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 : Q2176

ATTENTION : Marcie Ann Encinas

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q2176

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number	Client Sample Number
Q2176-01	TP-46
Q2176-02	TP-56
Q2176-03	TP-25
Q2176-04	TP-26
Q2176-05	TP-28
Q2176-06	TP-27
Q2176-07	TP-31
Q2176-08	TP-65

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 10:13 am, Jun 13, 2025

Date: 6/13/2025

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 # Q2176
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
8 Solid samples were received on 05/30/2025.

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.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria.
The Blank Spike met requirements for all samples.
The Blank Spike Duplicate met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

E. Additional Comments:

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.
Trip Blank was not provided with this set of samples.
The soil samples results are based on a dry weight basis.

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.

Signature APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:13 am, Jun 13, 2025

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CASE NARRATIVE

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q2176
Test Name: Gasoline Range Organics

A. Number of Samples and Date of Receipt:
8 Solid samples were received on 05/30/2025.

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.
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:
Samples TP-46 and TP-65 were 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:
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 10:15 am, Jun 13, 2025

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CASE NARRATIVE

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q2176
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
8 Solid samples were received on 05/30/2025.

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 samples were analyzed on instrument BNA_P using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3541.

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

The Blank Spike for {PB168234BS} with File ID: BF142726.D met requirements for all samples except for 3,3-Dichlorobenzidine[38%], Recovery was marginally biased low hence no further corrective action was taken.

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

The % RSD is greater than 20% in the Initial Calibration (8270-BP060625.M) for 2,4-Dinitrophenol, 4-Nitrophenol these compound are passing on Linear Regression.

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The Continuous Calibration File ID BF142640.D met the requirements except for 4-Nitrophenol is marginally biased Low and Bis(2-ethylhexyl)phthalate and Di-n-octyl phthalate failed high side but associated samples does not have hit for these compound, therefor no further corrective action was taken.

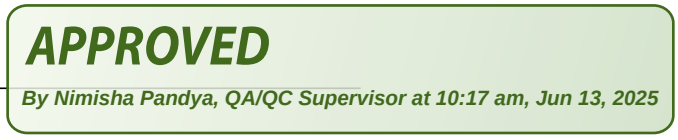
The Continuous Calibration File ID BF142748.D met the requirements except for 2,4-Dinitrophenol is marginally biased Low , therefor no further corrective action was taken. The Tuning criteria met requirements.

Samples TP-26 was diluted due to dirty and viscous matrix.

E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
The soil samples results are based on a dry weight basis.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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

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

Signature 

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CASE NARRATIVE

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q2176
Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:
8 Solid samples were received on 05/30/2025.

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 10:18 am, Jun 13, 2025

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CASE NARRATIVE

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q2176
Test Name: PCB

A. Number of Samples and Date of Receipt:
8 Solid samples were received on 05/30/2025.

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 analyses were performed on instrument GCECD_O. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

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

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

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

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Signature APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:18 am, Jun 13, 2025

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CASE NARRATIVE

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q2176
Test Name: Herbicide

A. Number of Samples and Date of Receipt:
8 Solid samples were received on 05/30/2025.

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 {Q2160-05MS} with File ID: PS030500.D recoveries met the requirements for all compounds except for [Dinoseb(1)- 0%],[Dinoseb(2)- 0%], due to matrix interference.
The MSD {Q2160-05MSD} with File ID: PS030501.D recoveries met the acceptable requirements except for [Dinoseb(1)- 0%],[Dinoseb(2)- 0%], 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.

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 10:18 am, Jun 13, 2025

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Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q2176
Test Name: Diesel Range Organics

A. Number of Samples and Date of Receipt:
8 Solid samples were received on 05/30/2025.

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.

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By Nimisha Pandya, QA/QC Supervisor at 10:18 am, Jun 13, 2025

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CASE NARRATIVE

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q2176
Test Name: Mercury,Metals ICP-TAL

A. Number of Samples and Date of Receipt:
8 Solid samples were received on 05/30/2025.

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 (B-187-SB02MSD) analysis met criteria for all elements except for Aluminum, Barium, Calcium, Iron, Magnesium, Potassium and Sodium due to Chemical Interference during Digestion Process..

The Matrix Spike (B-187-SB02MS) analysis met criteria for all elements except for Antimony due to Chemical Interference during Digestion Process.

The Matrix Spike Duplicate (B-187-SB02MSD) analysis met criteria for all elements except for Antimony, Barium, Sodium and Zinc 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 met the acceptable requirements.

E. Additional Comments:

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Signature_____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:18 am, Jun 13, 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 #: Q2176

	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:** 06/13/2025

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.: Q2176

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**TP-26**								
Q2176-04	TP-26	SOIL	Acetone		12.0	J	3.70	19.4	ug/Kg
Q2176-04	TP-26	SOIL	Methylene Chloride		2.70	J	2.70	7.70	ug/Kg
			Total Voc :		14.7				
Q2176-04	TP-26	SOIL	1,3,5-Trimethylbenzene	*	1.30	J	0.63	3.90	ug/Kg
Q2176-04	TP-26	SOIL	1,2,4-Trimethylbenzene	*	0.86	J	0.50	3.90	ug/Kg
			Total Tics :		2.16				
			Total Concentration:		16.9				
Client ID:	**TP-31**								
Q2176-07	TP-31	SOIL	Methylene Chloride		4.60	J	3.70	10.5	ug/Kg
			Total Voc :		4.60				
			Total Concentration:		4.60				

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:	05/28/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-46	SDG No.:	Q2176
Lab Sample ID:	Q2176-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.7
Sample Wt/Vol:	7.12 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
VY022526.D	1		06/03/25 16:35	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.96	U	0.96	4.20	ug/Kg
74-87-3	Chloromethane	0.96	U	0.96	4.20	ug/Kg
75-01-4	Vinyl Chloride	0.66	U	0.66	4.20	ug/Kg
74-83-9	Bromomethane	0.90	U	0.90	4.20	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.20	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.89	U	0.89	4.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.84	U	0.84	4.20	ug/Kg
67-64-1	Acetone	4.00	U	4.00	21.0	ug/Kg
75-15-0	Carbon Disulfide	0.89	U	0.89	4.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.61	U	0.61	4.20	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.20	ug/Kg
75-09-2	Methylene Chloride	3.00	U	3.00	8.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.72	U	0.72	4.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.67	U	0.67	4.20	ug/Kg
110-82-7	Cyclohexane	0.66	U	0.66	4.20	ug/Kg
78-93-3	2-Butanone	5.50	U	5.50	21.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.81	U	0.81	4.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.63	U	0.63	4.20	ug/Kg
74-97-5	Bromochloromethane	0.96	U	0.96	4.20	ug/Kg
67-66-3	Chloroform	0.70	U	0.70	4.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	4.20	ug/Kg
108-87-2	Methylcyclohexane	0.76	U	0.76	4.20	ug/Kg
71-43-2	Benzene	0.66	U	0.66	4.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.66	U	0.66	4.20	ug/Kg
79-01-6	Trichloroethene	0.68	U	0.68	4.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.76	U	0.76	4.20	ug/Kg
75-27-4	Bromodichloromethane	0.65	U	0.65	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	21.0	ug/Kg
108-88-3	Toluene	0.65	U	0.65	4.20	ug/Kg

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Report of Analysis

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Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-46	SDG No.:	Q2176
Lab Sample ID:	Q2176-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.7
Sample Wt/Vol:	7.12 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
VY022526.D	1		06/03/25 16:35	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.55	U	0.55	4.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.52	U	0.52	4.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.77	U	0.77	4.20	ug/Kg
591-78-6	2-Hexanone	3.10	U	3.10	21.0	ug/Kg
124-48-1	Dibromochloromethane	0.73	U	0.73	4.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.74	U	0.74	4.20	ug/Kg
127-18-4	Tetrachloroethene	0.88	U	0.88	4.20	ug/Kg
108-90-7	Chlorobenzene	0.76	U	0.76	4.20	ug/Kg
100-41-4	Ethyl Benzene	0.56	U	0.56	4.20	ug/Kg
179601-23-1	m/p-Xylenes	1.00	U	1.00	8.40	ug/Kg
95-47-6	o-Xylene	0.69	U	0.69	4.20	ug/Kg
100-42-5	Styrene	0.60	U	0.60	4.20	ug/Kg
75-25-2	Bromoform	0.72	U	0.72	4.20	ug/Kg
98-82-8	Isopropylbenzene	0.65	U	0.65	4.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.50	U	2.50	4.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.70	U	2.70	4.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.8		63 - 155	104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	49.6		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.1		17 - 146	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	269000	7.707			
540-36-3	1,4-Difluorobenzene	505000	8.609			
3114-55-4	Chlorobenzene-d5	411000	11.413			
3855-82-1	1,4-Dichlorobenzene-d4	155000	13.346			

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Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-46	SDG No.:	Q2176
Lab Sample ID:	Q2176-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.7
Sample Wt/Vol:	7.12 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
VY022526.D	1		06/03/25 16:35	VY060325

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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-56	SDG No.:	Q2176
Lab Sample ID:	Q2176-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.2
Sample Wt/Vol:	5.9 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
VY022527.D	1		06/03/25 16:58	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	4.90	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.90	ug/Kg
75-01-4	Vinyl Chloride	0.78	U	0.78	4.90	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	4.90	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	4.90	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	4.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1.00	4.90	ug/Kg
75-35-4	1,1-Dichloroethene	0.98	U	0.98	4.90	ug/Kg
67-64-1	Acetone	4.70	U	4.70	24.6	ug/Kg
75-15-0	Carbon Disulfide	1.00	U	1.00	4.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.72	U	0.72	4.90	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.90	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	9.80	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.85	U	0.85	4.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.79	U	0.79	4.90	ug/Kg
110-82-7	Cyclohexane	0.78	U	0.78	4.90	ug/Kg
78-93-3	2-Butanone	6.40	U	6.40	24.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.95	U	0.95	4.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.74	U	0.74	4.90	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	4.90	ug/Kg
67-66-3	Chloroform	0.83	U	0.83	4.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.91	U	0.91	4.90	ug/Kg
108-87-2	Methylcyclohexane	0.89	U	0.89	4.90	ug/Kg
71-43-2	Benzene	0.78	U	0.78	4.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.78	U	0.78	4.90	ug/Kg
79-01-6	Trichloroethene	0.80	U	0.80	4.90	ug/Kg
78-87-5	1,2-Dichloropropane	0.89	U	0.89	4.90	ug/Kg
75-27-4	Bromodichloromethane	0.77	U	0.77	4.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.50	U	3.50	24.6	ug/Kg
108-88-3	Toluene	0.77	U	0.77	4.90	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-56	SDG No.:	Q2176
Lab Sample ID:	Q2176-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.2
Sample Wt/Vol:	5.9 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
VY022527.D	1		06/03/25 16:58	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.64	U	0.64	4.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.61	U	0.61	4.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.90	U	0.90	4.90	ug/Kg
591-78-6	2-Hexanone	3.60	U	3.60	24.6	ug/Kg
124-48-1	Dibromochloromethane	0.86	U	0.86	4.90	ug/Kg
106-93-4	1,2-Dibromoethane	0.87	U	0.87	4.90	ug/Kg
127-18-4	Tetrachloroethene	1.00	U	1.00	4.90	ug/Kg
108-90-7	Chlorobenzene	0.89	U	0.89	4.90	ug/Kg
100-41-4	Ethyl Benzene	0.66	U	0.66	4.90	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	9.80	ug/Kg
95-47-6	o-Xylene	0.81	U	0.81	4.90	ug/Kg
100-42-5	Styrene	0.70	U	0.70	4.90	ug/Kg
75-25-2	Bromoform	0.85	U	0.85	4.90	ug/Kg
98-82-8	Isopropylbenzene	0.77	U	0.77	4.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	4.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	4.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.50	U	1.50	4.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.40	U	1.40	4.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	4.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.90	U	2.90	4.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.10	U	3.10	4.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.5		63 - 155	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	49.2		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.3		17 - 146	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	259000	7.707			
540-36-3	1,4-Difluorobenzene	475000	8.61			
3114-55-4	Chlorobenzene-d5	372000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	129000	13.347			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-56	SDG No.:	Q2176
Lab Sample ID:	Q2176-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.2
Sample Wt/Vol:	5.9 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
VY022527.D	1		06/03/25 16:58	VY060325

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
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J = Estimated Value
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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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25	SDG No.:	Q2176
Lab Sample ID:	Q2176-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.7
Sample Wt/Vol:	5.87 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
VY022528.D	1		06/03/25 17:22	VY060325

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	0.99	U	0.99	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	24.8	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	9.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.85	U	0.85	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	24.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.96	U	0.96	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	5.00	ug/Kg
67-66-3	Chloroform	0.83	U	0.83	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.90	U	0.90	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	0.90	U	0.90	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	24.8	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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25	SDG No.:	Q2176
Lab Sample ID:	Q2176-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.7
Sample Wt/Vol:	5.87 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
VY022528.D	1		06/03/25 17:22	VY060325

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	0.91	U	0.91	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	24.8	ug/Kg
124-48-1	Dibromochloromethane	0.86	U	0.86	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.87	U	0.87	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.00	U	1.00	5.00	ug/Kg
108-90-7	Chlorobenzene	0.90	U	0.90	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	9.90	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	0.85	U	0.85	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	1.40	U	1.40	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	43.9		63 - 155	88%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	49.4		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.2		17 - 146	78%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	278000	7.707			
540-36-3	1,4-Difluorobenzene	502000	8.61			
3114-55-4	Chlorobenzene-d5	388000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	134000	13.347			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25	SDG No.:	Q2176
Lab Sample ID:	Q2176-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.7
Sample Wt/Vol:	5.87 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
VY022528.D	1		06/03/25 17:22	VY060325

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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-26	SDG No.:	Q2176
Lab Sample ID:	Q2176-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.2
Sample Wt/Vol:	7.58 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
VY022529.D	1		06/03/25 17:45	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	0.88	3.90	ug/Kg
74-87-3	Chloromethane	0.88	U	0.88	3.90	ug/Kg
75-01-4	Vinyl Chloride	0.61	U	0.61	3.90	ug/Kg
74-83-9	Bromomethane	0.83	U	0.83	3.90	ug/Kg
75-00-3	Chloroethane	0.98	U	0.98	3.90	ug/Kg
75-69-4	Trichlorofluoromethane	0.94	U	0.94	3.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.82	U	0.82	3.90	ug/Kg
75-35-4	1,1-Dichloroethene	0.77	U	0.77	3.90	ug/Kg
67-64-1	Acetone	12.0	J	3.70	19.4	ug/Kg
75-15-0	Carbon Disulfide	0.82	U	0.82	3.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.57	U	0.57	3.90	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	3.90	ug/Kg
75-09-2	Methylene Chloride	2.70	J	2.70	7.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.67	U	0.67	3.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.62	U	0.62	3.90	ug/Kg
110-82-7	Cyclohexane	0.61	U	0.61	3.90	ug/Kg
78-93-3	2-Butanone	5.10	U	5.10	19.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.75	U	0.75	3.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.58	U	0.58	3.90	ug/Kg
74-97-5	Bromochloromethane	0.89	U	0.89	3.90	ug/Kg
67-66-3	Chloroform	0.65	U	0.65	3.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.72	U	0.72	3.90	ug/Kg
108-87-2	Methylcyclohexane	0.70	U	0.70	3.90	ug/Kg
71-43-2	Benzene	0.61	U	0.61	3.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	3.90	ug/Kg
79-01-6	Trichloroethene	0.63	U	0.63	3.90	ug/Kg
78-87-5	1,2-Dichloropropane	0.70	U	0.70	3.90	ug/Kg
75-27-4	Bromodichloromethane	0.60	U	0.60	3.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.80	U	2.80	19.4	ug/Kg
108-88-3	Toluene	0.60	U	0.60	3.90	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-26	SDG No.:	Q2176
Lab Sample ID:	Q2176-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.2
Sample Wt/Vol:	7.58 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
VY022529.D	1		06/03/25 17:45	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.50	3.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.48	U	0.48	3.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.71	U	0.71	3.90	ug/Kg
591-78-6	2-Hexanone	2.90	U	2.90	19.4	ug/Kg
124-48-1	Dibromochloromethane	0.67	U	0.67	3.90	ug/Kg
106-93-4	1,2-Dibromoethane	0.68	U	0.68	3.90	ug/Kg
127-18-4	Tetrachloroethene	0.81	U	0.81	3.90	ug/Kg
108-90-7	Chlorobenzene	0.70	U	0.70	3.90	ug/Kg
100-41-4	Ethyl Benzene	0.52	U	0.52	3.90	ug/Kg
179601-23-1	m/p-Xylenes	0.96	U	0.96	7.70	ug/Kg
95-47-6	o-Xylene	0.63	U	0.63	3.90	ug/Kg
100-42-5	Styrene	0.55	U	0.55	3.90	ug/Kg
75-25-2	Bromoform	0.67	U	0.67	3.90	ug/Kg
98-82-8	Isopropylbenzene	0.60	U	0.60	3.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.94	U	0.94	3.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.30	U	1.30	3.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	3.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	3.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.30	U	2.30	3.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.50	U	2.50	3.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.8		63 - 155	100%	SPK: 50
1868-53-7	Dibromofluoromethane	46.7		70 - 134	93%	SPK: 50
2037-26-5	Toluene-d8	49.7		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.1		17 - 146	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	245000	7.707			
540-36-3	1,4-Difluorobenzene	450000	8.61			
3114-55-4	Chlorobenzene-d5	365000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	132000	13.34			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-26	SDG No.:	Q2176
Lab Sample ID:	Q2176-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.2
Sample Wt/Vol:	7.58 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
VY022529.D	1		06/03/25 17:45	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-67-8	1,3,5-Trimethylbenzene	1.30	J		12.7	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.86	J		13.0	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-28	SDG No.:	Q2176
Lab Sample ID:	Q2176-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.5
Sample Wt/Vol:	5.85 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
VY022530.D	1		06/03/25 18:09	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	4.70	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.70	ug/Kg
75-01-4	Vinyl Chloride	0.75	U	0.75	4.70	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	4.70	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	4.70	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	4.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1.00	4.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.94	U	0.94	4.70	ug/Kg
67-64-1	Acetone	4.50	U	4.50	23.6	ug/Kg
75-15-0	Carbon Disulfide	1.00	U	1.00	4.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.69	U	0.69	4.70	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.70	ug/Kg
75-09-2	Methylene Chloride	3.30	U	3.30	9.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.81	U	0.81	4.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.76	U	0.76	4.70	ug/Kg
110-82-7	Cyclohexane	0.75	U	0.75	4.70	ug/Kg
78-93-3	2-Butanone	6.20	U	6.20	23.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.92	U	0.92	4.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.71	U	0.71	4.70	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	4.70	ug/Kg
67-66-3	Chloroform	0.79	U	0.79	4.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.88	U	0.88	4.70	ug/Kg
108-87-2	Methylcyclohexane	0.86	U	0.86	4.70	ug/Kg
71-43-2	Benzene	0.75	U	0.75	4.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.75	U	0.75	4.70	ug/Kg
79-01-6	Trichloroethene	0.76	U	0.76	4.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.86	U	0.86	4.70	ug/Kg
75-27-4	Bromodichloromethane	0.74	U	0.74	4.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.40	U	3.40	23.6	ug/Kg
108-88-3	Toluene	0.74	U	0.74	4.70	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-28	SDG No.:	Q2176
Lab Sample ID:	Q2176-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.5
Sample Wt/Vol:	5.85 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
VY022530.D	1		06/03/25 18:09	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.61	U	0.61	4.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.59	U	0.59	4.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.87	U	0.87	4.70	ug/Kg
591-78-6	2-Hexanone	3.50	U	3.50	23.6	ug/Kg
124-48-1	Dibromochloromethane	0.82	U	0.82	4.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.83	U	0.83	4.70	ug/Kg
127-18-4	Tetrachloroethene	0.99	U	0.99	4.70	ug/Kg
108-90-7	Chlorobenzene	0.86	U	0.86	4.70	ug/Kg
100-41-4	Ethyl Benzene	0.63	U	0.63	4.70	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	9.40	ug/Kg
95-47-6	o-Xylene	0.77	U	0.77	4.70	ug/Kg
100-42-5	Styrene	0.67	U	0.67	4.70	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	4.70	ug/Kg
98-82-8	Isopropylbenzene	0.74	U	0.74	4.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.60	U	1.60	4.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.50	U	1.50	4.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.40	U	1.40	4.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	4.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.80	U	2.80	4.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.00	U	3.00	4.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.7		63 - 155	91%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		70 - 134	98%	SPK: 50
2037-26-5	Toluene-d8	49.9		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.8		17 - 146	82%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	288000	7.707			
540-36-3	1,4-Difluorobenzene	511000	8.609			
3114-55-4	Chlorobenzene-d5	401000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	142000	13.346			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-28	SDG No.:	Q2176
Lab Sample ID:	Q2176-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.5
Sample Wt/Vol:	5.85 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
VY022530.D	1		06/03/25 18:09	VY060325

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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-27	SDG No.:	Q2176
Lab Sample ID:	Q2176-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.1
Sample Wt/Vol:	6.48 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
VY022531.D	1		06/03/25 18:32	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	4.60	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.60	ug/Kg
75-01-4	Vinyl Chloride	0.73	U	0.73	4.60	ug/Kg
74-83-9	Bromomethane	0.99	U	0.99	4.60	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	4.60	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	4.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.98	U	0.98	4.60	ug/Kg
75-35-4	1,1-Dichloroethene	0.93	U	0.93	4.60	ug/Kg
67-64-1	Acetone	4.40	U	4.40	23.2	ug/Kg
75-15-0	Carbon Disulfide	0.98	U	0.98	4.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.68	U	0.68	4.60	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	4.60	ug/Kg
75-09-2	Methylene Chloride	3.30	U	3.30	9.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.80	U	0.80	4.60	ug/Kg
75-34-3	1,1-Dichloroethane	0.74	U	0.74	4.60	ug/Kg
110-82-7	Cyclohexane	0.73	U	0.73	4.60	ug/Kg
78-93-3	2-Butanone	6.10	U	6.10	23.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.90	U	0.90	4.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.70	U	0.70	4.60	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	4.60	ug/Kg
67-66-3	Chloroform	0.78	U	0.78	4.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.86	U	0.86	4.60	ug/Kg
108-87-2	Methylcyclohexane	0.84	U	0.84	4.60	ug/Kg
71-43-2	Benzene	0.73	U	0.73	4.60	ug/Kg
107-06-2	1,2-Dichloroethane	0.73	U	0.73	4.60	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	4.60	ug/Kg
78-87-5	1,2-Dichloropropane	0.84	U	0.84	4.60	ug/Kg
75-27-4	Bromodichloromethane	0.72	U	0.72	4.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.30	U	3.30	23.2	ug/Kg
108-88-3	Toluene	0.72	U	0.72	4.60	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-27	SDG No.:	Q2176
Lab Sample ID:	Q2176-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.1
Sample Wt/Vol:	6.48 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
VY022531.D	1		06/03/25 18:32	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	4.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.58	U	0.58	4.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.85	U	0.85	4.60	ug/Kg
591-78-6	2-Hexanone	3.40	U	3.40	23.2	ug/Kg
124-48-1	Dibromochloromethane	0.81	U	0.81	4.60	ug/Kg
106-93-4	1,2-Dibromoethane	0.82	U	0.82	4.60	ug/Kg
127-18-4	Tetrachloroethene	0.97	U	0.97	4.60	ug/Kg
108-90-7	Chlorobenzene	0.84	U	0.84	4.60	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	4.60	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	9.30	ug/Kg
95-47-6	o-Xylene	0.76	U	0.76	4.60	ug/Kg
100-42-5	Styrene	0.66	U	0.66	4.60	ug/Kg
75-25-2	Bromoform	0.80	U	0.80	4.60	ug/Kg
98-82-8	Isopropylbenzene	0.72	U	0.72	4.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.60	U	1.60	4.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.40	U	1.40	4.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.30	U	1.30	4.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	4.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.80	U	2.80	4.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.00	U	3.00	4.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.3		63 - 155	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	49.8		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.1		17 - 146	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	245000	7.707			
540-36-3	1,4-Difluorobenzene	454000	8.609			
3114-55-4	Chlorobenzene-d5	362000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	132000	13.346			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-27	SDG No.:	Q2176
Lab Sample ID:	Q2176-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.1
Sample Wt/Vol:	6.48 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
VY022531.D	1		06/03/25 18:32	VY060325

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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-31	SDG No.:	Q2176
Lab Sample ID:	Q2176-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.8
Sample Wt/Vol:	5.5 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
VY022532.D	1		06/03/25 18:56	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.20	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.20	ug/Kg
75-01-4	Vinyl Chloride	0.83	U	0.83	5.20	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.20	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.20	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	5.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.20	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.20	ug/Kg
67-64-1	Acetone	5.00	U	5.00	26.2	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.76	U	0.76	5.20	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	5.20	ug/Kg
75-09-2	Methylene Chloride	4.60	J	3.70	10.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.90	U	0.90	5.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.84	U	0.84	5.20	ug/Kg
110-82-7	Cyclohexane	0.83	U	0.83	5.20	ug/Kg
78-93-3	2-Butanone	6.80	U	6.80	26.2	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.79	U	0.79	5.20	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.20	ug/Kg
67-66-3	Chloroform	0.88	U	0.88	5.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.97	U	0.97	5.20	ug/Kg
108-87-2	Methylcyclohexane	0.95	U	0.95	5.20	ug/Kg
71-43-2	Benzene	0.83	U	0.83	5.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.83	U	0.83	5.20	ug/Kg
79-01-6	Trichloroethene	0.85	U	0.85	5.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.95	U	0.95	5.20	ug/Kg
75-27-4	Bromodichloromethane	0.82	U	0.82	5.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.70	U	3.70	26.2	ug/Kg
108-88-3	Toluene	0.82	U	0.82	5.20	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-31	SDG No.:	Q2176
Lab Sample ID:	Q2176-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.8
Sample Wt/Vol:	5.5 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
VY022532.D	1		06/03/25 18:56	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.68	U	0.68	5.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.65	U	0.65	5.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.96	U	0.96	5.20	ug/Kg
591-78-6	2-Hexanone	3.90	U	3.90	26.2	ug/Kg
124-48-1	Dibromochloromethane	0.91	U	0.91	5.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.92	U	0.92	5.20	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.20	ug/Kg
108-90-7	Chlorobenzene	0.95	U	0.95	5.20	ug/Kg
100-41-4	Ethyl Benzene	0.70	U	0.70	5.20	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.5	ug/Kg
95-47-6	o-Xylene	0.86	U	0.86	5.20	ug/Kg
100-42-5	Styrene	0.74	U	0.74	5.20	ug/Kg
75-25-2	Bromoform	0.90	U	0.90	5.20	ug/Kg
98-82-8	Isopropylbenzene	0.82	U	0.82	5.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.80	5.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.90	U	1.90	5.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.10	U	3.10	5.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.30	U	3.30	5.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.0		63 - 155	104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	49.7		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.4		17 - 146	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	243000	7.707			
540-36-3	1,4-Difluorobenzene	462000	8.609			
3114-55-4	Chlorobenzene-d5	369000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	132000	13.346			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-31	SDG No.:	Q2176
Lab Sample ID:	Q2176-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.8
Sample Wt/Vol:	5.5 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
VY022532.D	1		06/03/25 18:56	VY060325

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:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-65	SDG No.:	Q2176
Lab Sample ID:	Q2176-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.3
Sample Wt/Vol:	6.47 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
VY022533.D	1		06/03/25 19:19	VY060325

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	4.20	U	4.20	22.1	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	0.76	U	0.76	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	22.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.86	U	0.86	4.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.66	U	0.66	4.40	ug/Kg
74-97-5	Bromochloromethane	1.00	U	1.00	4.40	ug/Kg
67-66-3	Chloroform	0.74	U	0.74	4.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.82	U	0.82	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	22.1	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:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-65	SDG No.:	Q2176
Lab Sample ID:	Q2176-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.3
Sample Wt/Vol:	6.47 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
VY022533.D	1		06/03/25 19:19	VY060325

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	0.81	U	0.81	4.40	ug/Kg
591-78-6	2-Hexanone	3.30	U	3.30	22.1	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	0.59	U	0.59	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	0.76	U	0.76	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	44.4		63 - 155	89%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	49.6		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.2		17 - 146	76%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	269000	7.707			
540-36-3	1,4-Difluorobenzene	485000	8.609			
3114-55-4	Chlorobenzene-d5	369000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	124000	13.346			

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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:	TP-65	SDG No.:	Q2176
Lab Sample ID:	Q2176-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.3
Sample Wt/Vol:	6.47 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
VY022533.D	1		06/03/25 19:19	VY060325

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.: Q2176

Client: CDM Smith

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2176-01	TP-46	1,2-Dichloroethane-d4	50	51.8	104	63	155
		Dibromofluoromethane	50	50.1	100	70	134
		Toluene-d8	50	49.5	99	74	123
		4-Bromofluorobenzene	50	43.1	86	17	146
Q2176-02	TP-56	1,2-Dichloroethane-d4	50	49.5	99	63	155
		Dibromofluoromethane	50	50.7	101	70	134
		Toluene-d8	50	49.2	98	74	123
		4-Bromofluorobenzene	50	40.3	81	17	146
Q2176-03	TP-25	1,2-Dichloroethane-d4	50	43.9	88	63	155
		Dibromofluoromethane	50	48.1	96	70	134
		Toluene-d8	50	49.4	99	74	123
		4-Bromofluorobenzene	50	39.2	78	17	146
Q2176-04	TP-26	1,2-Dichloroethane-d4	50	49.8	100	63	155
		Dibromofluoromethane	50	46.7	93	70	134
		Toluene-d8	50	49.7	99	74	123
		4-Bromofluorobenzene	50	43.1	86	17	146
Q2176-05	TP-28	1,2-Dichloroethane-d4	50	45.8	91	63	155
		Dibromofluoromethane	50	48.8	98	70	134
		Toluene-d8	50	49.9	100	74	123
		4-Bromofluorobenzene	50	40.8	82	17	146
Q2176-06	TP-27	1,2-Dichloroethane-d4	50	50.3	101	63	155
		Dibromofluoromethane	50	50.6	101	70	134
		Toluene-d8	50	49.8	100	74	123
		4-Bromofluorobenzene	50	42.1	84	17	146
Q2176-07	TP-31	1,2-Dichloroethane-d4	50	52.0	104	63	155
		Dibromofluoromethane	50	50.9	102	70	134
		Toluene-d8	50	49.7	99	74	123
		4-Bromofluorobenzene	50	41.4	83	17	146
Q2176-08	TP-65	1,2-Dichloroethane-d4	50	44.4	89	63	155
		Dibromofluoromethane	50	47.9	96	70	134
		Toluene-d8	50	49.6	99	74	123
		4-Bromofluorobenzene	50	38.2	76	17	146
VY0603SBL01	VY0603SBL01	1,2-Dichloroethane-d4	50	53.5	107	63	155
		Dibromofluoromethane	50	50.9	102	70	134
		Toluene-d8	50	49.9	100	74	123
		4-Bromofluorobenzene	50	42.0	84	17	146
VY0603SBS01	VY0603SBS01	1,2-Dichloroethane-d4	50	50.0	100	63	155
		Dibromofluoromethane	50	51.0	102	70	134
		Toluene-d8	50	51.5	103	74	123
		4-Bromofluorobenzene	50	49.0	98	17	146
VY0603SBSD01	VY0603SBSD01	1,2-Dichloroethane-d4	50	50.7	101	63	155
		Dibromofluoromethane	50	51.5	103	70	134
		Toluene-d8	50	52.6	105	74	123
		4-Bromofluorobenzene	50	50.1	100	17	146

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2176

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VY022513.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0603SBS01	Dichlorodifluoromethane	20	22.1	ug/Kg	111			64	136	
	Chloromethane	20	18.4	ug/Kg	92			52	151	
	Vinyl chloride	20	20.8	ug/Kg	104			56	148	
	Bromomethane	20	20.2	ug/Kg	101			58	141	
	Chloroethane	20	21.3	ug/Kg	106			69	130	
	Trichlorofluoromethane	20	22.2	ug/Kg	111			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.2	ug/Kg	106			81	123	
	1,1-Dichloroethene	20	21.2	ug/Kg	106			79	121	
	Acetone	100	140	ug/Kg	140			40	171	
	Carbon disulfide	20	20.8	ug/Kg	104			59	130	
	Methyl tert-butyl Ether	20	20.3	ug/Kg	102			77	129	
	Methyl Acetate	20	20.6	ug/Kg	103			69	149	
	Methylene Chloride	20	18.5	ug/Kg	93			72	131	
	trans-1,2-Dichloroethene	20	20.6	ug/Kg	103			80	123	
	1,1-Dichloroethane	20	21.2	ug/Kg	106			82	123	
	Cyclohexane	20	20.2	ug/Kg	101			76	122	
	2-Butanone	100	120	ug/Kg	120			69	131	
	Carbon Tetrachloride	20	20.2	ug/Kg	101			76	129	
	cis-1,2-Dichloroethene	20	20.5	ug/Kg	103			82	123	
	Bromochloromethane	20	21.3	ug/Kg	106			80	127	
	Chloroform	20	21.1	ug/Kg	106			82	125	
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106			80	126	
	Methylcyclohexane	20	19.8	ug/Kg	99			77	123	
	Benzene	20	20.7	ug/Kg	104			84	121	
	1,2-Dichloroethane	20	20.4	ug/Kg	102			81	126	
	Trichloroethene	20	21.3	ug/Kg	106			83	122	
	1,2-Dichloropropane	20	20.9	ug/Kg	104			83	122	
	Bromodichloromethane	20	20.8	ug/Kg	104			82	123	
	4-Methyl-2-Pentanone	100	96.0	ug/Kg	96			70	135	
	Toluene	20	20.1	ug/Kg	101			83	122	
	t-1,3-Dichloropropene	20	19.7	ug/Kg	99			78	124	
	cis-1,3-Dichloropropene	20	20.6	ug/Kg	103			81	122	
	1,1,2-Trichloroethane	20	20.2	ug/Kg	101			82	125	
	2-Hexanone	100	110	ug/Kg	110			66	138	
	Dibromochloromethane	20	19.8	ug/Kg	99			79	125	
	1,2-Dibromoethane	20	20.1	ug/Kg	101			80	125	
	Tetrachloroethene	20	21.2	ug/Kg	106			83	125	
	Chlorobenzene	20	20.3	ug/Kg	102			84	122	
	Ethyl Benzene	20	20.3	ug/Kg	102			82	124	
	m/p-Xylenes	40	40.2	ug/Kg	101			83	124	
	o-Xylene	20	20.0	ug/Kg	100			83	123	
	Styrene	20	19.9	ug/Kg	100			82	124	
	Bromoform	20	18.6	ug/Kg	93			75	127	
	Isopropylbenzene	20	20.1	ug/Kg	101			82	124	
	1,1,2,2-Tetrachloroethane	20	18.6	ug/Kg	93			77	127	
	1,3-Dichlorobenzene	20	19.4	ug/Kg	97			83	122	
	1,4-Dichlorobenzene	20	20.0	ug/Kg	100			84	121	
	1,2-Dichlorobenzene	20	19.8	ug/Kg	99			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2176

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VY022513.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0603SBS01	1,2-Dibromo-3-Chloropropane	20	18.9	ug/Kg	95			66	134	
	1,2,4-Trichlorobenzene	20	18.8	ug/Kg	94			78	127	
	1,2,3-Trichlorobenzene	20	19.4	ug/Kg	97			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2176

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VY022514.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0603SBSD01	Dichlorodifluoromethane	20	22.4	ug/Kg	112	1		64	136	20
	Chloromethane	20	22.2	ug/Kg	111	19		52	151	20
	Vinyl chloride	20	22.2	ug/Kg	111	7		56	148	20
	Bromomethane	20	21.2	ug/Kg	106	5		58	141	20
	Chloroethane	20	21.6	ug/Kg	108	2		69	130	20
	Trichlorofluoromethane	20	21.2	ug/Kg	106	5		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	20.2	ug/Kg	101	5		81	123	20
	1,1-Dichloroethene	20	21.7	ug/Kg	109	3		79	121	20
	Acetone	100	120	ug/Kg	120	15		40	171	20
	Carbon disulfide	20	21.3	ug/Kg	106	2		59	130	20
	Methyl tert-butyl Ether	20	20.5	ug/Kg	103	1		77	129	20
	Methyl Acetate	20	19.5	ug/Kg	98	5		69	149	20
	Methylene Chloride	20	19.3	ug/Kg	97	4		72	131	20
	trans-1,2-Dichloroethene	20	20.9	ug/Kg	104	1		80	123	20
	1,1-Dichloroethane	20	21.1	ug/Kg	106	0		82	123	20
	Cyclohexane	20	19.7	ug/Kg	99	2		76	122	20
	2-Butanone	100	110	ug/Kg	110	9		69	131	20
	Carbon Tetrachloride	20	20.9	ug/Kg	104	3		76	129	20
	cis-1,2-Dichloroethene	20	21.4	ug/Kg	107	4		82	123	20
	Bromochloromethane	20	20.8	ug/Kg	104	2		80	127	20
	Chloroform	20	21.6	ug/Kg	108	2		82	125	20
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106	0		80	126	20
	Methylcyclohexane	20	20.3	ug/Kg	102	3		77	123	20
	Benzene	20	21.0	ug/Kg	105	1		84	121	20
	1,2-Dichloroethane	20	21.0	ug/Kg	105	3		81	126	20
	Trichloroethene	20	21.5	ug/Kg	108	2		83	122	20
	1,2-Dichloropropane	20	20.7	ug/Kg	104	0		83	122	20
	Bromodichloromethane	20	21.0	ug/Kg	105	1		82	123	20
	4-Methyl-2-Pentanone	100	96.9	ug/Kg	97	1		70	135	20
	Toluene	20	20.5	ug/Kg	103	2		83	122	20
	t-1,3-Dichloropropene	20	19.9	ug/Kg	100	1		78	124	20
	cis-1,3-Dichloropropene	20	20.5	ug/Kg	103	0		81	122	20
	1,1,2-Trichloroethane	20	20.6	ug/Kg	103	2		82	125	20
	2-Hexanone	100	98.4	ug/Kg	98	12		66	138	20
	Dibromochloromethane	20	20.2	ug/Kg	101	2		79	125	20
	1,2-Dibromoethane	20	20.0	ug/Kg	100	1		80	125	20
	Tetrachloroethene	20	21.3	ug/Kg	106	0		83	125	20
	Chlorobenzene	20	21.1	ug/Kg	106	4		84	122	20
	Ethyl Benzene	20	20.8	ug/Kg	104	2		82	124	20
	m/p-Xylenes	40	41.3	ug/Kg	103	2		83	124	20
	o-Xylene	20	20.7	ug/Kg	104	4		83	123	20
	Styrene	20	20.6	ug/Kg	103	3		82	124	20
	Bromoform	20	19.9	ug/Kg	100	7		75	127	20
	Isopropylbenzene	20	21.1	ug/Kg	106	5		82	124	20
	1,1,2,2-Tetrachloroethane	20	20.0	ug/Kg	100	7		77	127	20
	1,3-Dichlorobenzene	20	20.5	ug/Kg	103	6		83	122	20
	1,4-Dichlorobenzene	20	20.7	ug/Kg	104	4		84	121	20
	1,2-Dichlorobenzene	20	20.9	ug/Kg	104	5		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2176

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VY022514.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0603SBSD01	1,2-Dibromo-3-Chloropropane	20	19.4	ug/Kg	97	2		66	134	20
	1,2,4-Trichlorobenzene	20	20.9	ug/Kg	104	10		78	127	20
	1,2,3-Trichlorobenzene	20	20.3	ug/Kg	102	5		70	137	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0603SBL01

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Lab File ID: VY022512.D Lab Sample ID: VY0603SBL01

Date Analyzed: 06/03/2025 Time Analyzed: 10:40

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
VY0603SBS01	VY0603SBS01	VY022513.D	06/03/2025
VY0603SBSD01	VY0603SBSD01	VY022514.D	06/03/2025
TP-46	Q2176-01	VY022526.D	06/03/2025
TP-56	Q2176-02	VY022527.D	06/03/2025
TP-25	Q2176-03	VY022528.D	06/03/2025
TP-26	Q2176-04	VY022529.D	06/03/2025
TP-28	Q2176-05	VY022530.D	06/03/2025
TP-27	Q2176-06	VY022531.D	06/03/2025
TP-31	Q2176-07	VY022532.D	06/03/2025
TP-65	Q2176-08	VY022533.D	06/03/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

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

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Lab File ID: VY022510.D BFB Injection Date: 06/03/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:03

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	26
75	30.0 - 60.0% of mass 95	59.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.1 (1.4) 1
174	50.0 - 100.0% of mass 95	82.6
175	5.0 - 9.0% of mass 174	6.2 (7.6) 1
176	95.0 - 101.0% of mass 174	79.5 (96.3) 1
177	5.0 - 9.0% of mass 176	5 (6.3) 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	VY022511.D	06/03/2025	10:03
VY0603SBL01	VY0603SBL01	VY022512.D	06/03/2025	10:40
VY0603SBS01	VY0603SBS01	VY022513.D	06/03/2025	11:15
VY0603SBSD01	VY0603SBSD01	VY022514.D	06/03/2025	11:38
TP-46	Q2176-01	VY022526.D	06/03/2025	16:35
TP-56	Q2176-02	VY022527.D	06/03/2025	16:58
TP-25	Q2176-03	VY022528.D	06/03/2025	17:22
TP-26	Q2176-04	VY022529.D	06/03/2025	17:45
TP-28	Q2176-05	VY022530.D	06/03/2025	18:09
TP-27	Q2176-06	VY022531.D	06/03/2025	18:32
TP-31	Q2176-07	VY022532.D	06/03/2025	18:56
TP-65	Q2176-08	VY022533.D	06/03/2025	19:19

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Lab File ID: VY022511.D Date Analyzed: 06/03/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:03

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	187797	7.71	325302	8.62	276655	11.42
UPPER LIMIT	375594	8.213	650604	9.115	553310	11.92
LOWER LIMIT	93898.5	7.213	162651	8.115	138328	10.92
EPA SAMPLE NO.						
TP-46	268876	7.71	504814	8.61	411331	11.41
TP-56	259331	7.71	475112	8.61	372480	11.41
TP-25	277698	7.71	501520	8.61	388135	11.41
TP-26	245298	7.71	450434	8.61	364784	11.41
TP-28	287774	7.71	510573	8.61	400841	11.41
TP-27	244909	7.71	453751	8.61	362219	11.41
TP-31	242608	7.71	461777	8.61	369180	11.41
TP-65	268630	7.71	484998	8.61	368793	11.41
VY0603SBL01	287398	7.71	534399	8.62	428748	11.42
VY0603SBS01	197612	7.71	337632	8.62	284268	11.42
VY0603SBSD01	196295	7.71	333757	8.62	277257	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.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Lab File ID: VY022511.D Date Analyzed: 06/03/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:03

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

	IS4 AREA #	RT #				
12 HOUR STD	130385	13.346				
UPPER LIMIT	260770	13.846				
LOWER LIMIT	65192.5	12.846				
EPA SAMPLE NO.						
TP-46	154553	13.35				
TP-56	129377	13.35				
TP-25	133596	13.35				
TP-26	132285	13.34				
TP-28	141621	13.35				
TP-27	131513	13.35				
TP-31	131849	13.35				
TP-65	123634	13.35				
VY0603SBL01	155262	13.35				
VY0603SBS01	131961	13.35				
VY0603SBSD01	127082	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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0603SBL01	SDG No.:	Q2176
Lab Sample ID:	VY0603SBL01	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
VY022512.D	1		06/03/25 10:40	VY060325

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:	VY0603SBL01	SDG No.:	Q2176
Lab Sample ID:	VY0603SBL01	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
VY022512.D	1		06/03/25 10:40	VY060325

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	53.5		63 - 155	107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	49.9		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.0		17 - 146	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	287000	7.713			
540-36-3	1,4-Difluorobenzene	534000	8.616			
3114-55-4	Chlorobenzene-d5	429000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	155000	13.346			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0603SBL01	SDG No.:	Q2176
Lab Sample ID:	VY0603SBL01	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
VY022512.D	1		06/03/25 10:40	VY060325

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:	VY0603SBS01	SDG No.:	Q2176
Lab Sample ID:	VY0603SBS01	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
VY022513.D	1		06/03/25 11:15	VY060325

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	18.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.8		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.2		1.10	5.00	ug/Kg
75-00-3	Chloroethane	21.3		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	21.2		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.2		1.00	5.00	ug/Kg
67-64-1	Acetone	140		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.8		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.3		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	20.6		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	18.5		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.6		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.2		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.2		0.79	5.00	ug/Kg
78-93-3	2-Butanone	120		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.2		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.5		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	21.3		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.1		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.2		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.8		0.91	5.00	ug/Kg
71-43-2	Benzene	20.7		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.4		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.3		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.9		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	96.0		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:	VY0603SBS01	SDG No.:	Q2176
Lab Sample ID:	VY0603SBS01	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
VY022513.D	1		06/03/25 11:15	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.7		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.6		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	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.8		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.1		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.2		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.3		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.3		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.2		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.0		0.82	5.00	ug/Kg
100-42-5	Styrene	19.9		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.6		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.1		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.6		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	20.0		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.8		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.9		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.8		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.4		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.0		63 - 155	100%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	51.5		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		17 - 146	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	198000	7.707			
540-36-3	1,4-Difluorobenzene	338000	8.615			
3114-55-4	Chlorobenzene-d5	284000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	132000	13.346			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0603SBS01	SDG No.:	Q2176
Lab Sample ID:	VY0603SBS01	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
VY022513.D	1		06/03/25 11:15	VY060325

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:	VY0603SBSD01	SDG No.:	Q2176
Lab Sample ID:	VY0603SBSD01	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
VY022514.D	1		06/03/25 11:38	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	22.4		1.10	5.00	ug/Kg
74-87-3	Chloromethane	22.2		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	22.2		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.2		1.10	5.00	ug/Kg
75-00-3	Chloroethane	21.6		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.2		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.2		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.7		1.00	5.00	ug/Kg
67-64-1	Acetone	120		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.3		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	19.5		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.3		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	21.1		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.7		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.9		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.4		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.8		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.6		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.2		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.3		0.91	5.00	ug/Kg
71-43-2	Benzene	21.0		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.0		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.5		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.7		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	96.9		3.60	25.0	ug/Kg
108-88-3	Toluene	20.5		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:	VY0603SBSD01	SDG No.:	Q2176
Lab Sample ID:	VY0603SBSD01	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
VY022514.D	1		06/03/25 11:38	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.9		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.5		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.6		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	98.4		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.2		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.0		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.3		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	21.1		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.8		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.3		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.7		0.82	5.00	ug/Kg
100-42-5	Styrene	20.6		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.9		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.1		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.0		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	20.7		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.9		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.4		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.9		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.3		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.7		63 - 155	101%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	52.6		74 - 123	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		17 - 146	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	196000	7.707			
540-36-3	1,4-Difluorobenzene	334000	8.616			
3114-55-4	Chlorobenzene-d5	277000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	127000	13.346			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0603SBSD01	SDG No.:	Q2176
Lab Sample ID:	VY0603SBSD01	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
VY022514.D	1		06/03/25 11:38	VY060325

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.: Q2176 SAS No.: Q2176 SDG No.: Q2176

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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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

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.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

Instrument ID: MSVOA_Y Calibration Date/Time: 06/03/2025 10:03

Lab File ID: VY022511.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.448	0.404		-9.82	20
Chloromethane	1.322	1.316	0.1	-0.45	20
Vinyl Chloride	1.534	1.560		1.7	20
Bromomethane	1.470	1.393		-5.24	20
Chloroethane	1.053	1.102		4.65	20
Trichlorofluoromethane	1.302	1.272		-2.3	20
1,1,2-Trichlorotrifluoroethane	0.549	0.523		-4.74	20
1,1-Dichloroethene	0.524	0.513		-2.1	20
Acetone	0.114	0.097		-14.91	20
Carbon Disulfide	1.679	1.680		0.06	20
Methyl tert-butyl Ether	1.477	1.494		1.15	20
Methyl Acetate	0.336	0.372		10.71	20
Methylene Chloride	0.645	0.579		-10.23	20
trans-1,2-Dichloroethene	0.587	0.598		1.87	20
1,1-Dichloroethane	1.079	1.105	0.1	2.41	20
Cyclohexane	1.075	0.985		-8.37	20
2-Butanone	0.164	0.160		-2.44	20
Carbon Tetrachloride	0.497	0.487		-2.01	20
cis-1,2-Dichloroethene	0.678	0.701		3.39	20
Bromochloromethane	0.471	0.559		18.68	20
Chloroform	1.069	1.105		3.37	20
1,1,1-Trichloroethane	0.949	0.968		2	20
Methylcyclohexane	0.651	0.616		-5.38	20
Benzene	1.431	1.436		0.35	20
1,2-Dichloroethane	0.391	0.395		1.02	20
Trichloroethene	0.350	0.343		-2	20
1,2-Dichloropropane	0.338	0.343		1.48	20
Bromodichloromethane	0.482	0.494		2.49	20
4-Methyl-2-Pentanone	0.233	0.236		1.29	20
Toluene	0.899	0.901		0.22	20
t-1,3-Dichloropropene	0.452	0.460		1.77	20
cis-1,3-Dichloropropene	0.526	0.531		0.95	20
1,1,2-Trichloroethane	0.243	0.243		0	20
2-Hexanone	0.156	0.155		-0.64	20
Dibromochloromethane	0.308	0.312		1.3	20
1,2-Dibromoethane	0.221	0.225		1.81	20
Tetrachloroethene	0.430	0.422		-1.86	20
Chlorobenzene	1.106	1.118	0.3	1.09	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.: Q2176 SAS No.: Q2176 SDG No.: Q2176

Instrument ID: MSVOA_Y Calibration Date/Time: 06/03/2025 10:03

Lab File ID: VY022511.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.052	2.059		0.34	20
m/p-Xylenes	0.778	0.765		-1.67	20
o-Xylene	0.729	0.713		-2.19	20
Styrene	1.206	1.220		1.16	20
Bromoform	0.198	0.195	0.1	-1.51	20
Isopropylbenzene	4.105	4.015		-2.19	20
1,1,2,2-Tetrachloroethane	0.674	0.669	0.3	-0.74	20
1,3-Dichlorobenzene	1.755	1.733		-1.25	20
1,4-Dichlorobenzene	1.702	1.659		-2.53	20
1,2-Dichlorobenzene	1.490	1.467		-1.54	20
1,2-Dibromo-3-Chloropropane	0.098	0.103		5.1	20
1,2,4-Trichlorobenzene	0.813	0.835		2.71	20
1,2,3-Trichlorobenzene	0.697	0.701		0.57	20
1,2-Dichloroethane-d4	0.559	0.576		3.04	20
Dibromofluoromethane	0.298	0.300		0.67	20
Toluene-d8	1.206	1.224		1.49	20
4-Bromofluorobenzene	0.359	0.354		-1.39	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\VY060325\
Data File : VY022526.D
Acq On : 03 Jun 2025 16:35
Operator : SY/MD
Sample : Q2176-01
Misc : 7.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-46

Quant Time: Jun 04 04:15:02 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

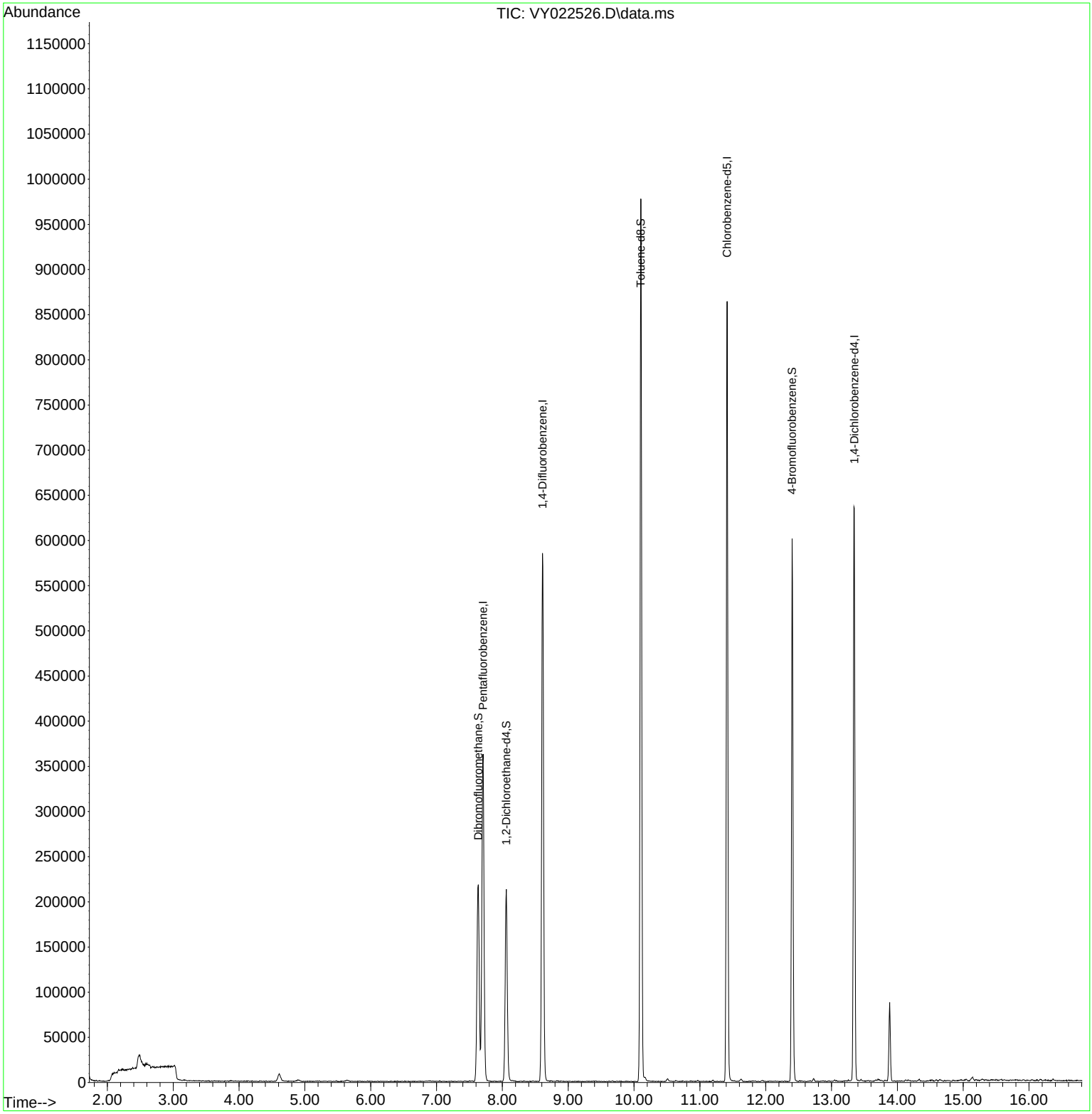
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	268876	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	504814	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	411331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	154553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	155741	51.789	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.580%			
35) Dibromofluoromethane	7.634	113	151120	50.154	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.300%			
50) Toluene-d8	10.103	98	603269	49.550	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.100%			
62) 4-Bromofluorobenzene	12.401	95	156250	43.073	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 86.140%			
Target Compounds						Qvalue

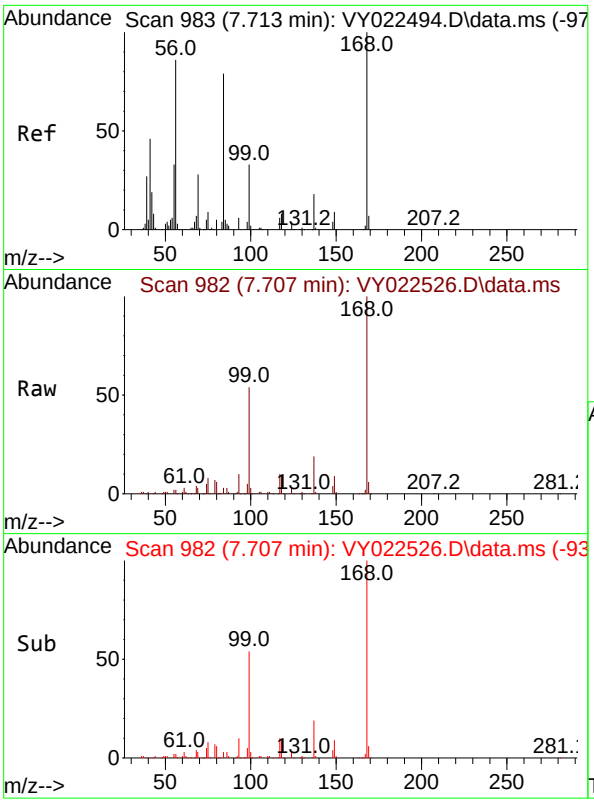
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022526.D
Acq On : 03 Jun 2025 16:35
Operator : SY/MD
Sample : Q2176-01
Misc : 7.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-46

Quant Time: Jun 04 04:15:02 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



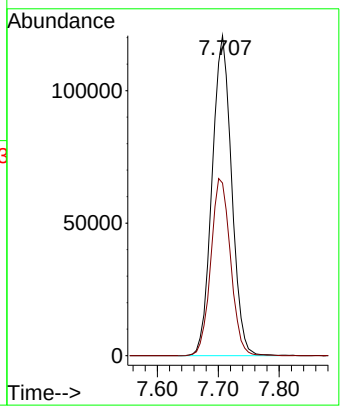


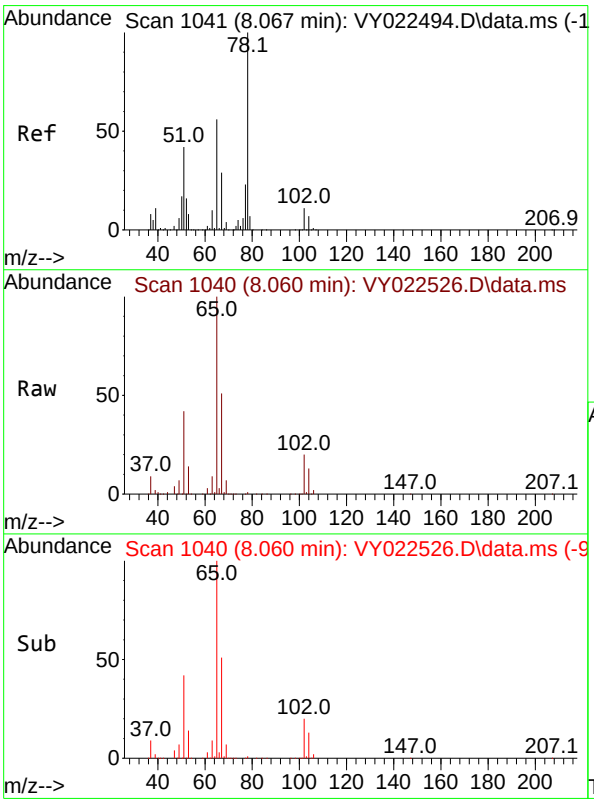
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022526.D
Acq: 03 Jun 2025 16:35

Instrument :
MSVOA_Y
ClientSampleId :
TP-46

Tgt Ion:168 Resp: 268876

Ion	Ratio	Lower	Upper
168	100		
99	54.0	44.3	66.5

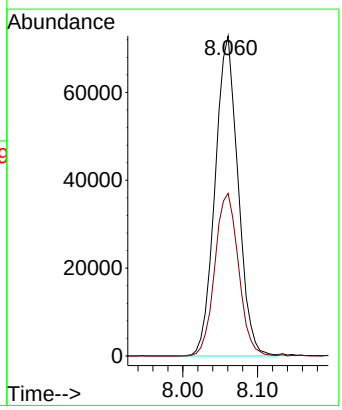


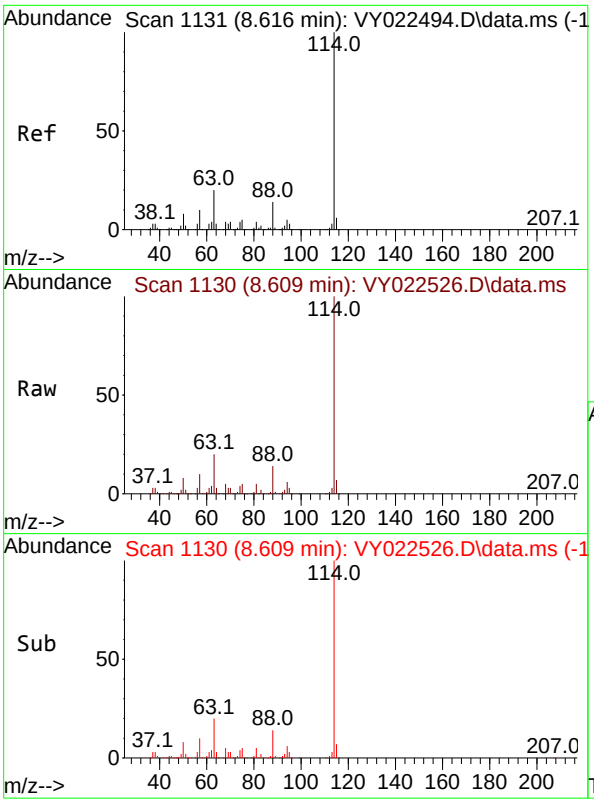


#33
1,2-Dichloroethane-d4
Concen: 51.789 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.007 min
Lab File: VY022526.D
Acq: 03 Jun 2025 16:35

Tgt Ion: 65 Resp: 155741

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	103.4



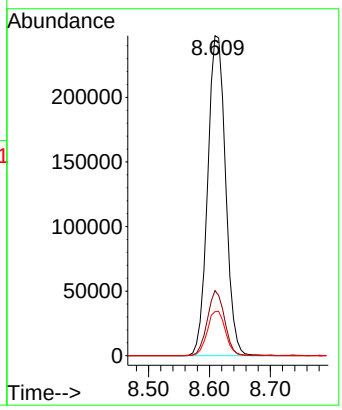


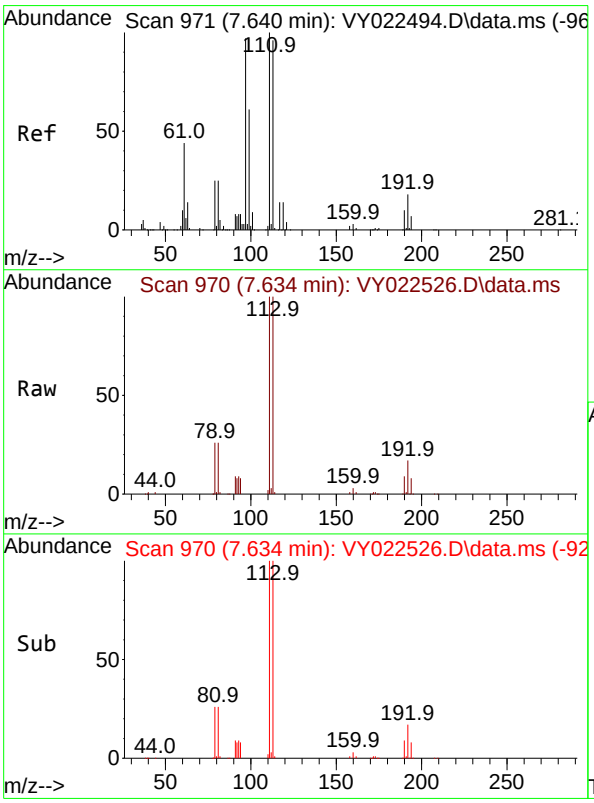
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY022526.D
Acq: 03 Jun 2025 16:35

Instrument :
MSVOA_Y
ClientSampleId :
TP-46

Tgt Ion:114 Resp: 504814

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.8
88	13.8	0.0	27.8

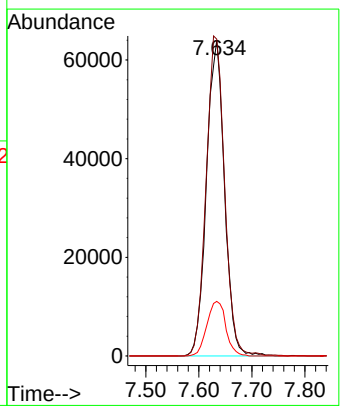


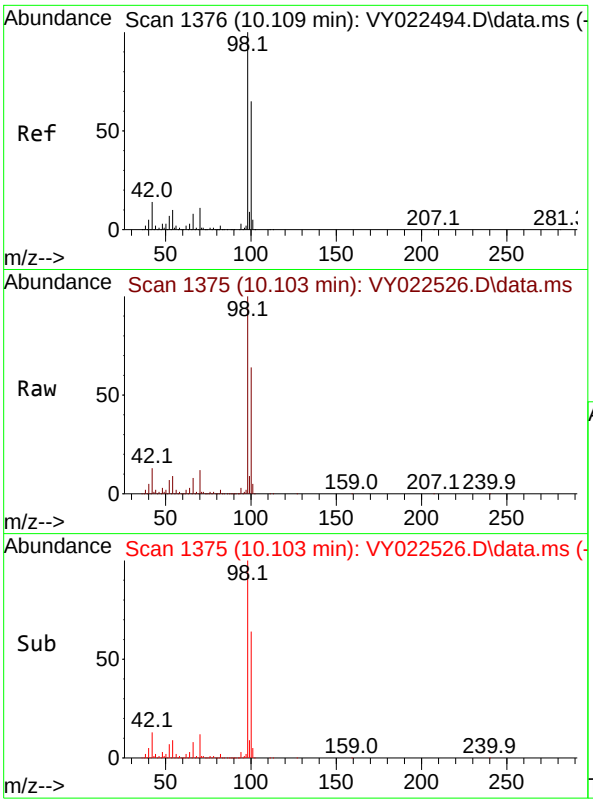


#35
Dibromofluoromethane
Concen: 50.154 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.007 min
Lab File: VY022526.D
Acq: 03 Jun 2025 16:35

Tgt Ion:113 Resp: 151120

Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.1	121.7
192	18.2	14.2	21.2



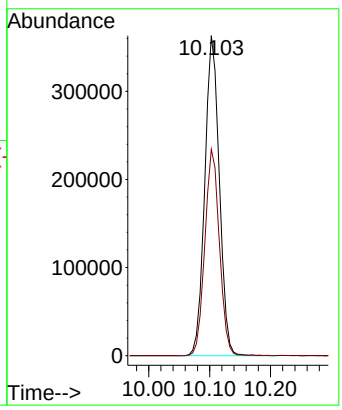


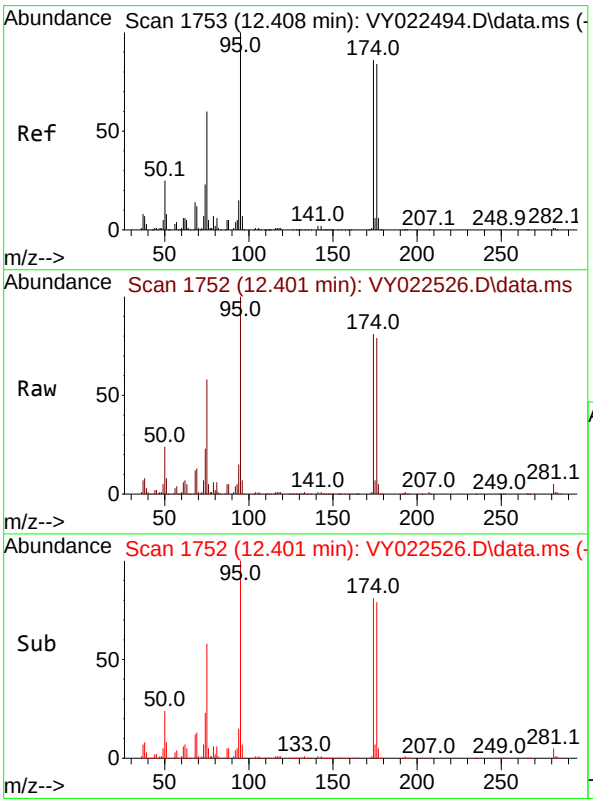
#50
Toluene-d8
Concen: 49.550 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.007 min
Lab File: VY022526.D
Acq: 03 Jun 2025 16:35

Instrument :
MSVOA_Y
ClientSampleId :
TP-46

Tgt Ion: 98 Resp: 603269

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0

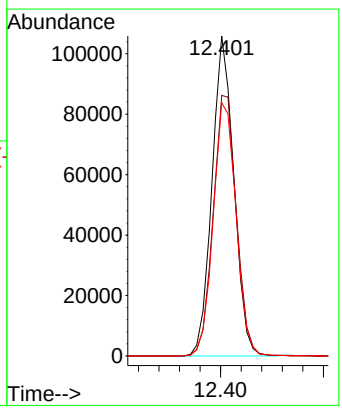


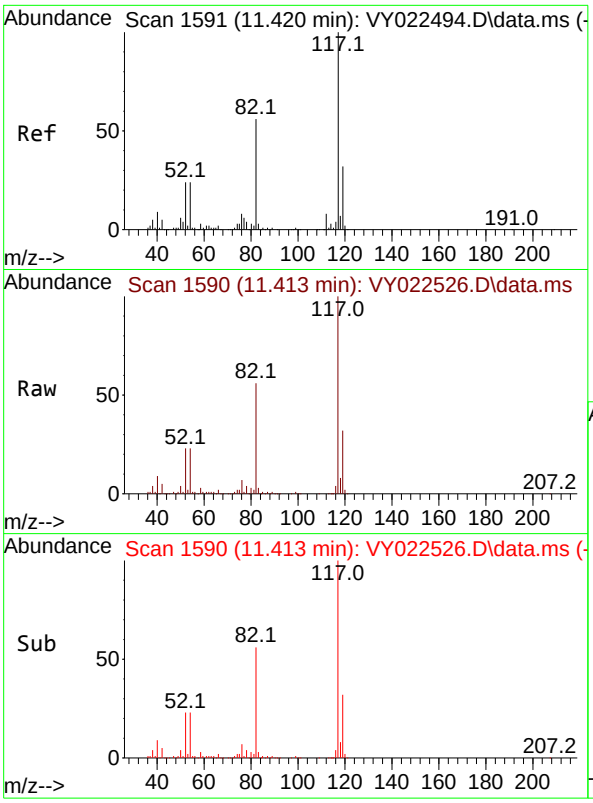


#62
4-Bromofluorobenzene
Concen: 43.073 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.007 min
Lab File: VY022526.D
Acq: 03 Jun 2025 16:35

Tgt Ion: 95 Resp: 156250

Ion	Ratio	Lower	Upper
95	100		
174	86.6	0.0	170.0
176	82.8	0.0	166.2



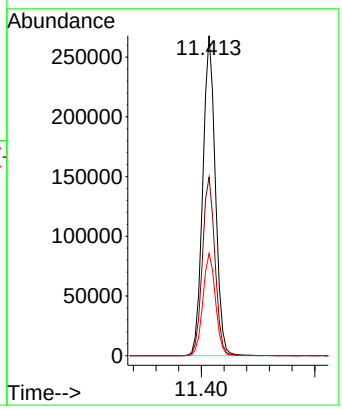


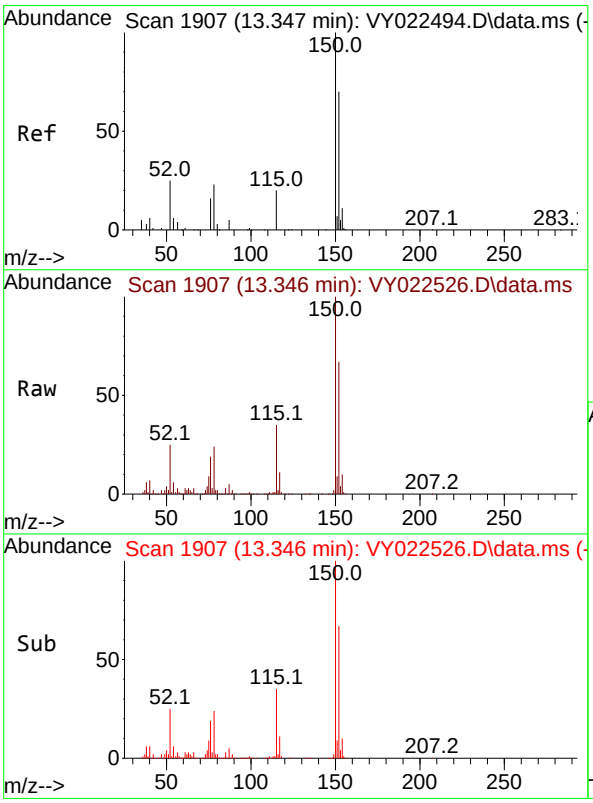
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.413 min Scan# 1
Delta R.T. -0.007 min
Lab File: VY022526.D
Acq: 03 Jun 2025 16:35

Instrument :
MSVOA_Y
ClientSampleId :
TP-46

Tgt Ion:117 Resp: 411331

Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.6	66.8
119	31.9	25.4	38.0

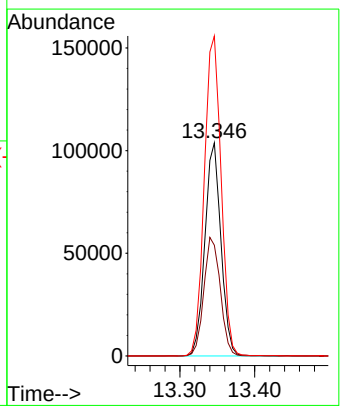




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.001 min
Lab File: VY022526.D
Acq: 03 Jun 2025 16:35

Tgt Ion:152 Resp: 154553

Ion	Ratio	Lower	Upper
152	100		
115	57.2	28.9	86.7
150	156.7	0.0	349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022526.D
Acq On : 03 Jun 2025 16:35
Operator : SY/MD
Sample : Q2176-01
Misc : 7.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-46

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: VY022526.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.482	118	125	126	rBV2	14742	29651	1.80%	0.364%
2	4.610	465	474	482	rBV3	8289	23848	1.45%	0.293%
3	7.634	959	970	975	rBV	217967	520062	31.61%	6.389%
4	7.707	975	982	992	rVB	361623	822553	50.00%	10.106%
5	8.060	1030	1040	1053	rBV	212998	470485	28.60%	5.780%
6	8.609	1120	1130	1144	rBV	584861	1186850	72.14%	14.582%
7	10.103	1366	1375	1384	rBV	977377	1645099	100.00%	20.212%
8	11.413	1582	1590	1602	rBV	863787	1347877	81.93%	16.560%
9	12.401	1745	1752	1764	rBV	600637	951611	57.85%	11.692%
10	13.340	1897	1906	1915	rBV	635531	1007276	61.23%	12.375%
11	13.883	1989	1995	2004	rVB	87431	134012	8.15%	1.646%

Sum of corrected areas: 8139324

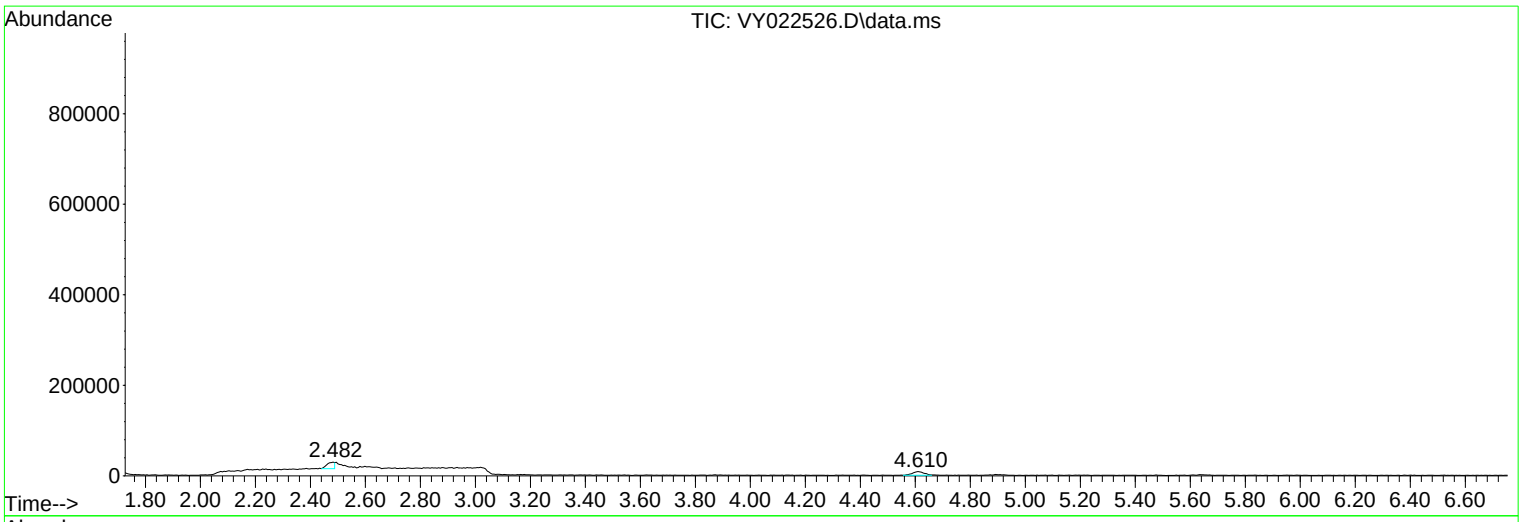
Sample Results: **VY022526.D**

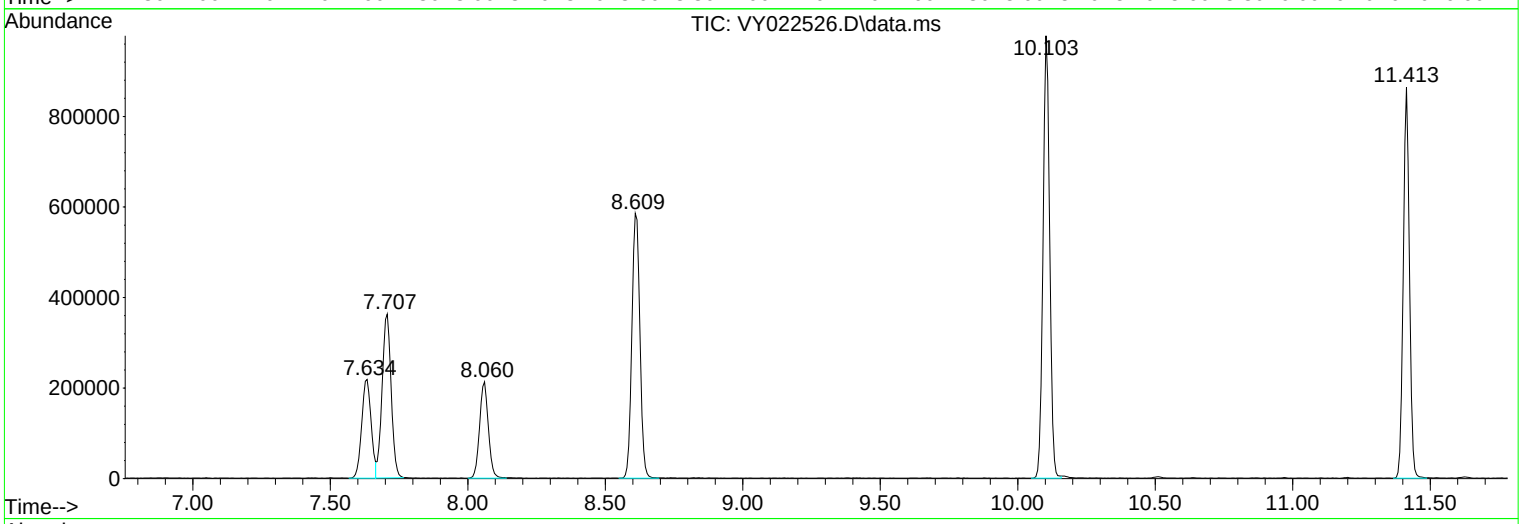
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022526.D
Acq On : 03 Jun 2025 16:35
Operator : SY/MD
Sample : Q2176-01
Misc : 7.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

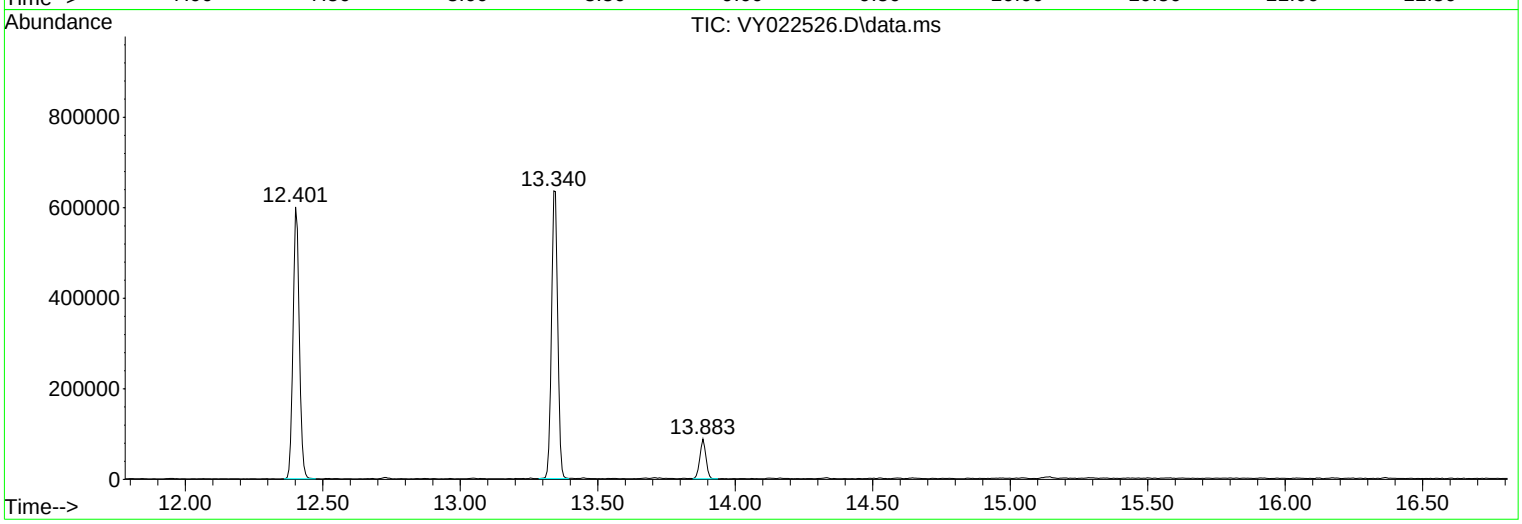
Instrument :
MSVOA_Y
ClientSampleId :
TP-46

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\VY060325\
Data File : VY022526.D
Acq On : 03 Jun 2025 16:35
Operator : SY/MD
Sample : Q2176-01
Misc : 7.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-46

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\VY060325\
Data File : VY022526.D
Acq On : 03 Jun 2025 16:35
Operator : SY/MD
Sample : Q2176-01
Misc : 7.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-46

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\VY060325\
Data File : VY022527.D
Acq On : 03 Jun 2025 16:58
Operator : SY/MD
Sample : Q2176-02
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-56

Quant Time: Jun 04 04:15:25 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	259331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	475112	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	372480	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	129377	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	143439	49.454	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.900%			
35) Dibromofluoromethane	7.634	113	143691	50.670	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.340%			
50) Toluene-d8	10.103	98	564005	49.221	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.440%			
62) 4-Bromofluorobenzene	12.402	95	137531	40.283	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 80.560%			

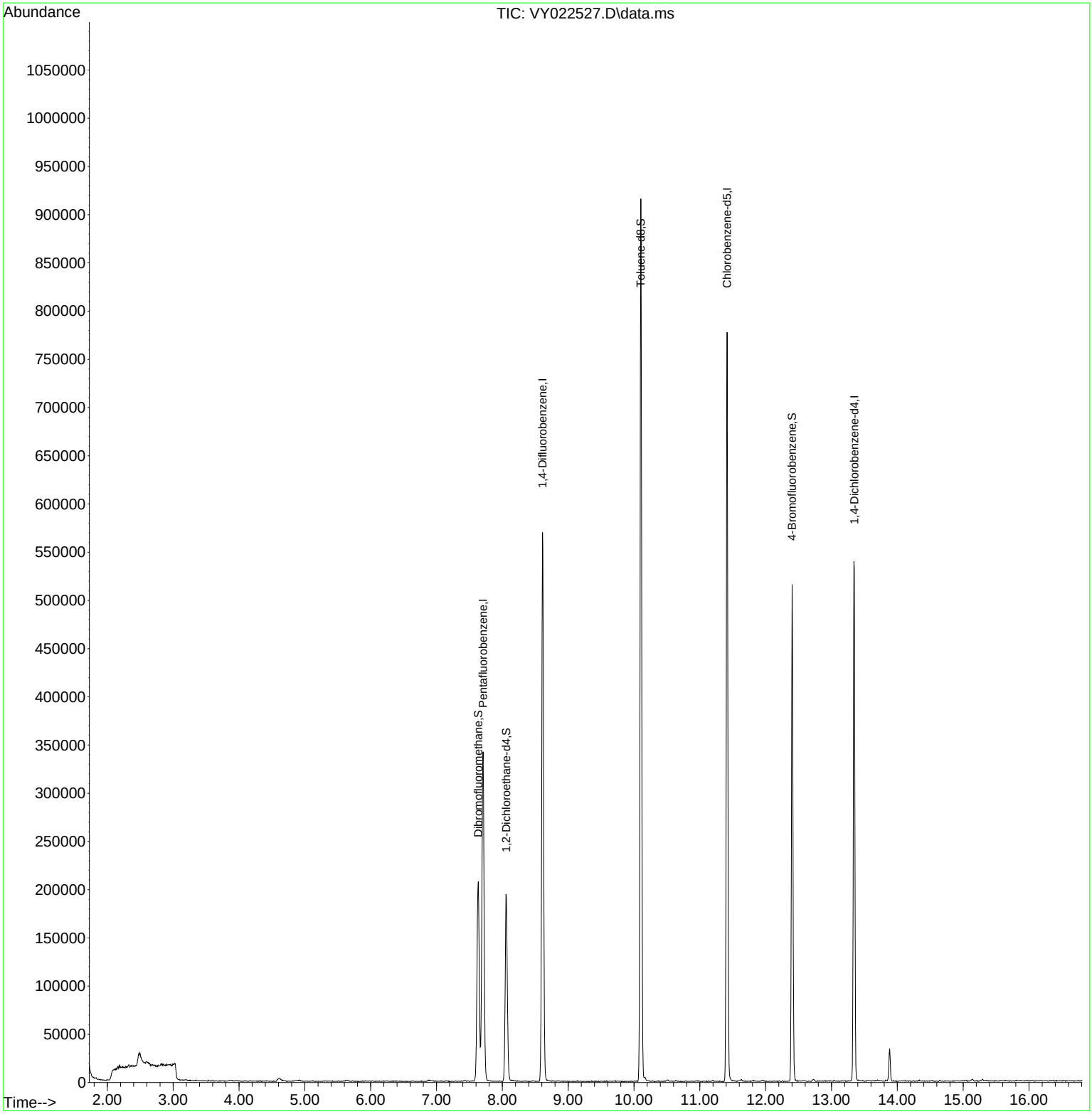
Target Compounds Qvalue

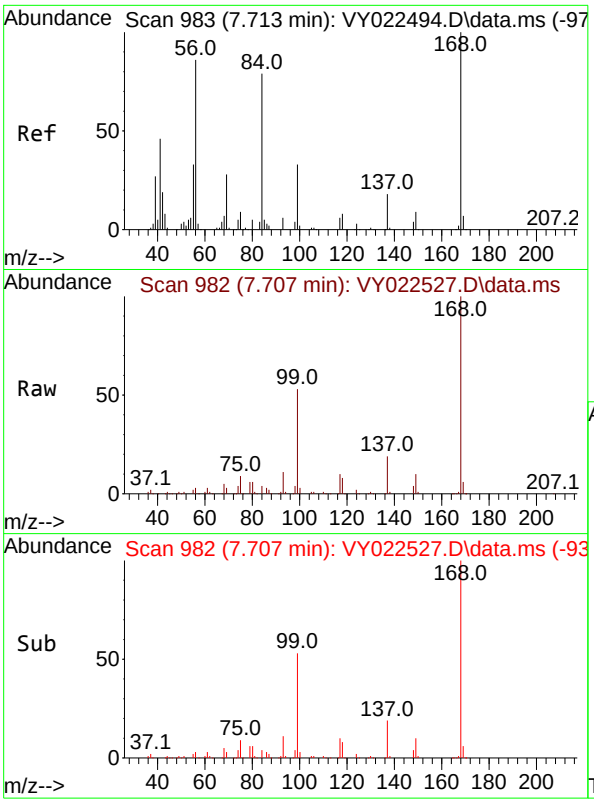
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022527.D
Acq On : 03 Jun 2025 16:58
Operator : SY/MD
Sample : Q2176-02
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-56

Quant Time: Jun 04 04:15:25 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



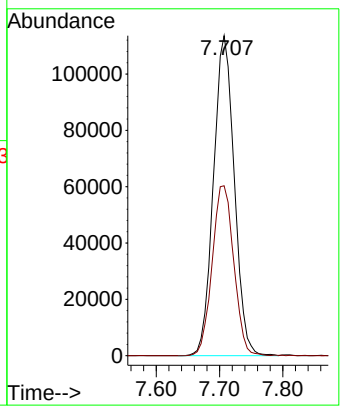


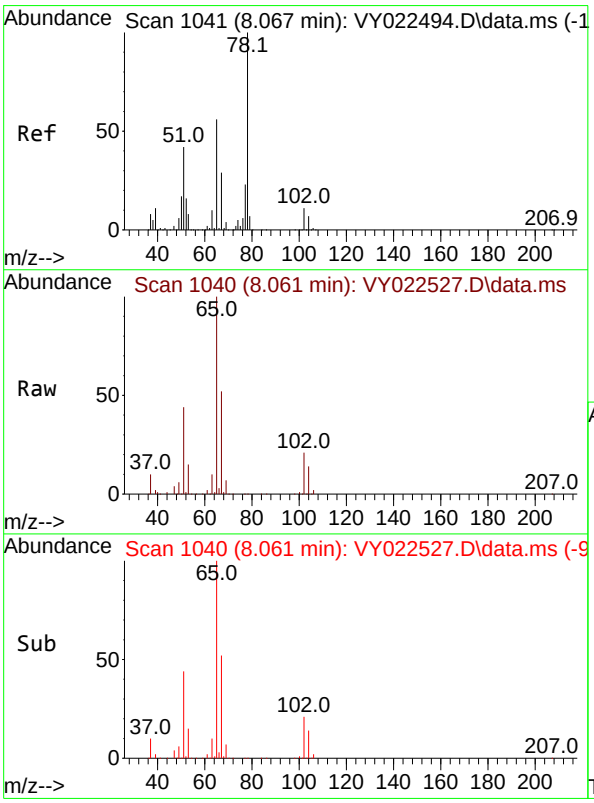
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022527.D
Acq: 03 Jun 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
TP-56

Tgt Ion:168 Resp: 259331

Ion	Ratio	Lower	Upper
168	100		
99	53.1	44.3	66.5

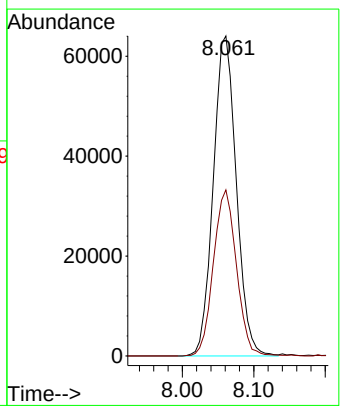


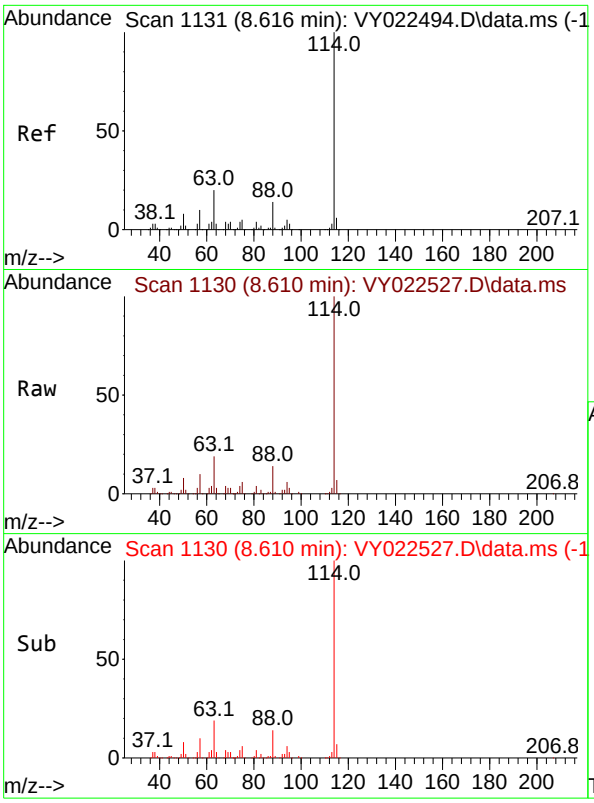


#33
1,2-Dichloroethane-d4
Concen: 49.454 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022527.D
Acq: 03 Jun 2025 16:58

Tgt Ion: 65 Resp: 143439

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.4



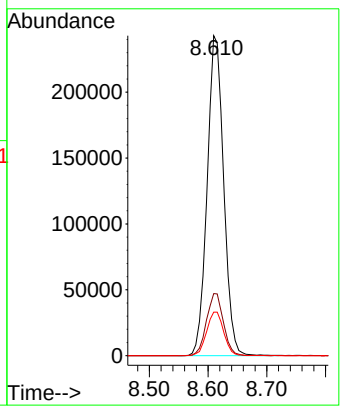


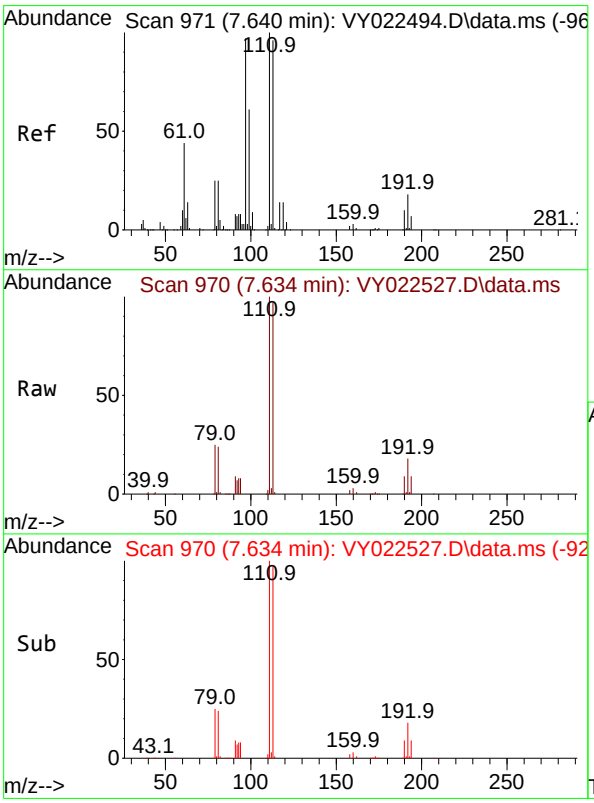
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022527.D
Acq: 03 Jun 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
TP-56

Tgt Ion:114 Resp: 475112

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	40.8
88	13.6	0.0	27.8

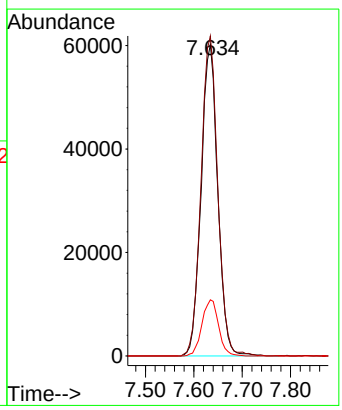


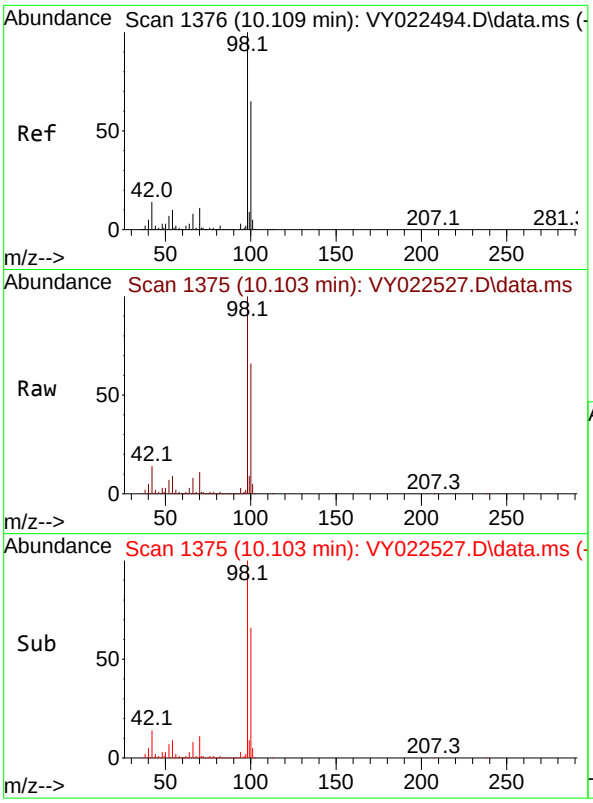


#35
Dibromofluoromethane
Concen: 50.670 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022527.D
Acq: 03 Jun 2025 16:58

Tgt Ion:113 Resp: 143691

Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.1	121.7
192	18.0	14.2	21.2



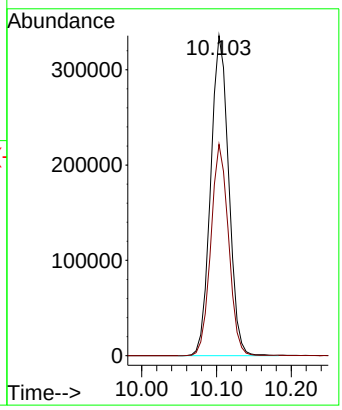


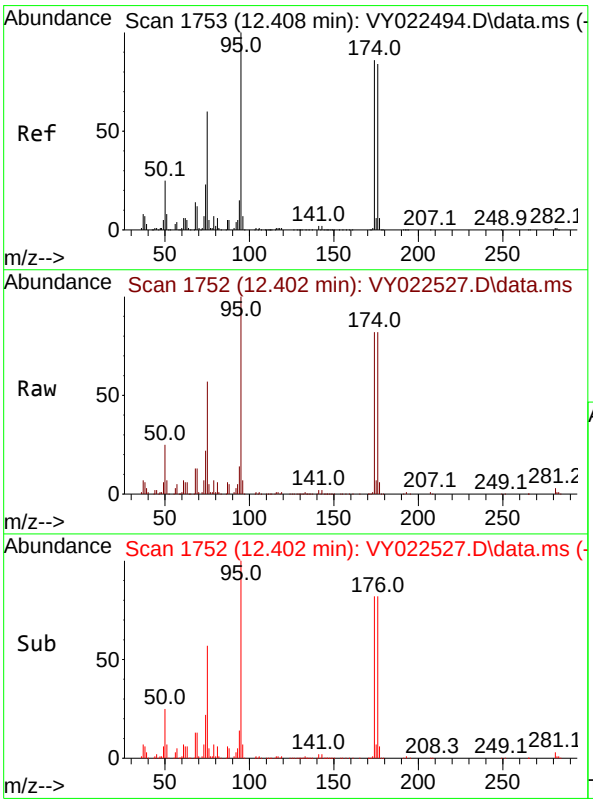
#50
Toluene-d8
Concen: 49.221 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022527.D
Acq: 03 Jun 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
TP-56

Tgt Ion: 98 Resp: 564005

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0

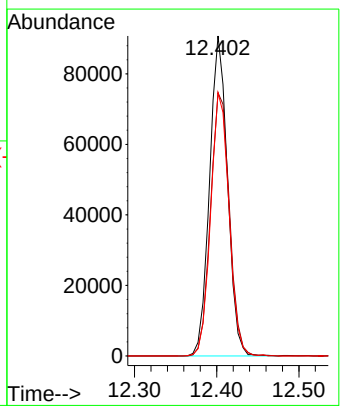


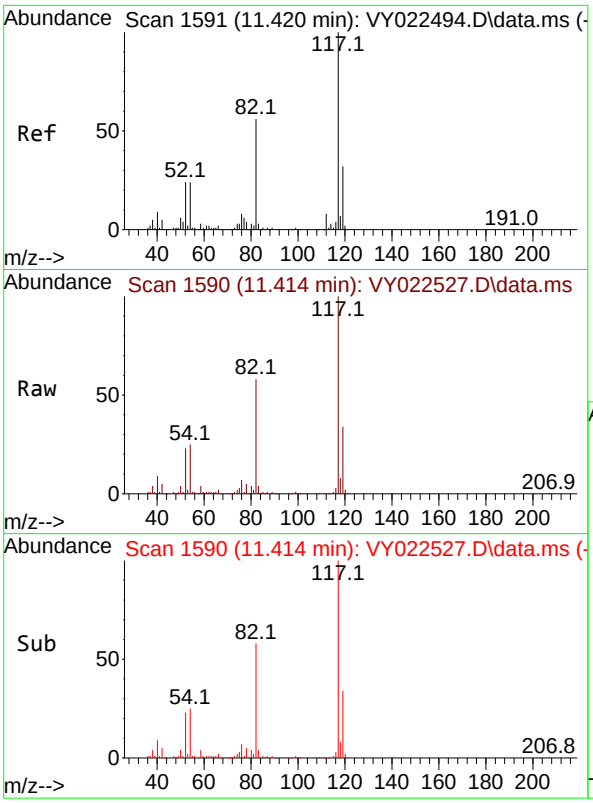


#62
4-Bromofluorobenzene
Concen: 40.283 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022527.D
Acq: 03 Jun 2025 16:58

Tgt Ion: 95 Resp: 137531

Ion	Ratio	Lower	Upper
95	100		
174	86.9	0.0	170.0
176	84.1	0.0	166.2



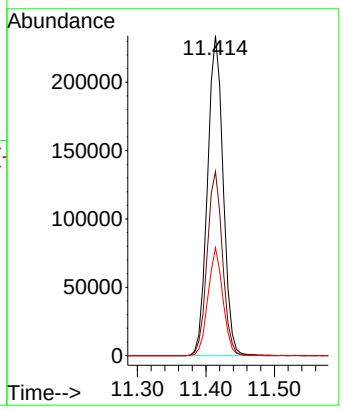


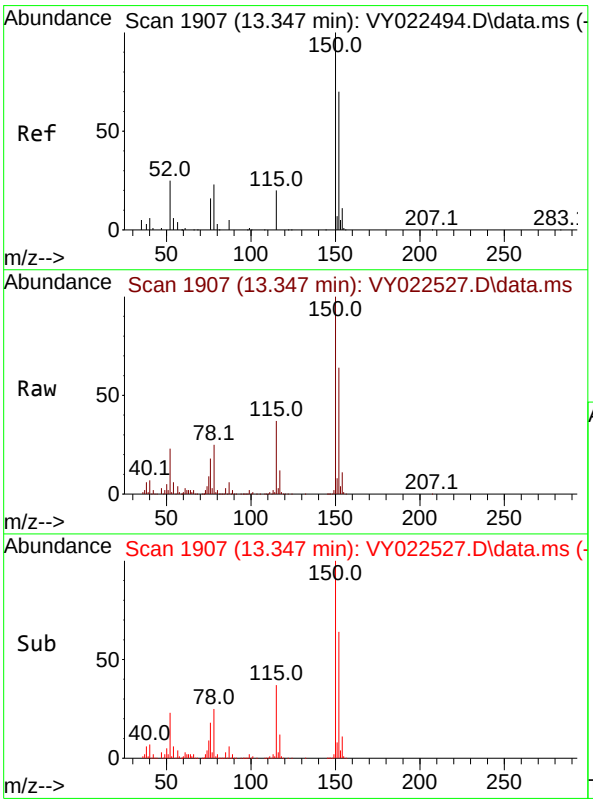
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022527.D
Acq: 03 Jun 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
TP-56

Tgt Ion:117 Resp: 372480

Ion	Ratio	Lower	Upper
117	100		
82	57.6	44.6	66.8
119	33.8	25.4	38.0

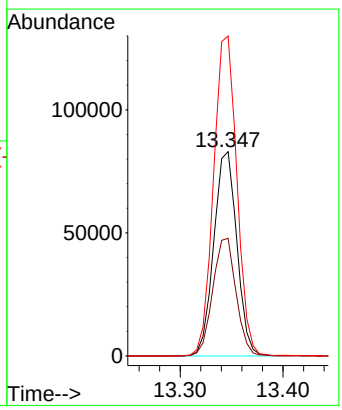




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022527.D
Acq: 03 Jun 2025 16:58

Tgt Ion:152 Resp: 129377

Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.9	86.7
150	158.1	0.0	349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022527.D
Acq On : 03 Jun 2025 16:58
Operator : SY/MD
Sample : Q2176-02
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-56

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: VY022527.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	50	60	61	rBV5	10445	22959	1.50%	0.312%
2	2.477	119	124	125	rBV2	11339	16177	1.06%	0.220%
3	7.634	959	970	975	rBV2	206931	489260	31.99%	6.652%
4	7.707	975	982	993	rVB	341030	786033	51.39%	10.688%
5	8.055	1030	1039	1052	rBV	194561	433343	28.33%	5.892%
6	8.610	1122	1130	1144	rBV	569263	1118203	73.11%	15.204%
7	10.103	1367	1375	1383	rBV	915501	1529535	100.00%	20.797%
8	11.414	1582	1590	1604	rBV	777208	1227958	80.28%	16.696%
9	12.402	1745	1752	1764	rVB	515111	823441	53.84%	11.196%
10	13.340	1898	1906	1915	rBV	538752	854762	55.88%	11.622%
11	13.883	1989	1995	2002	rVB	33911	52985	3.46%	0.720%

Sum of corrected areas: 7354656

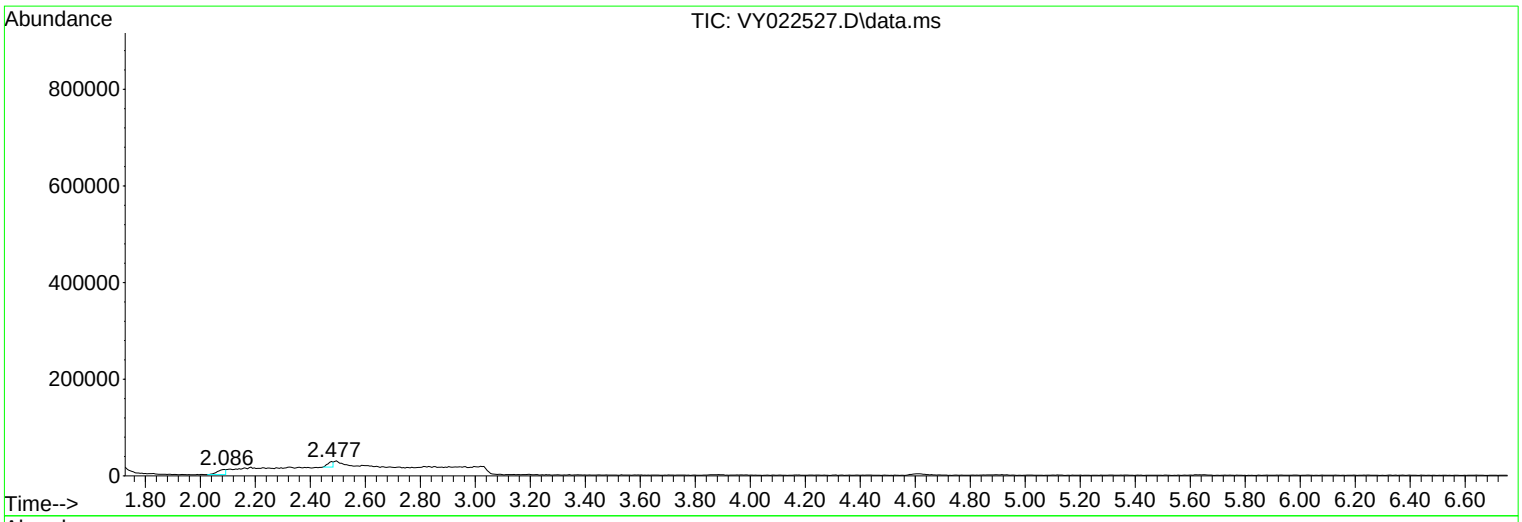
Sample Results: **VY022527.D**

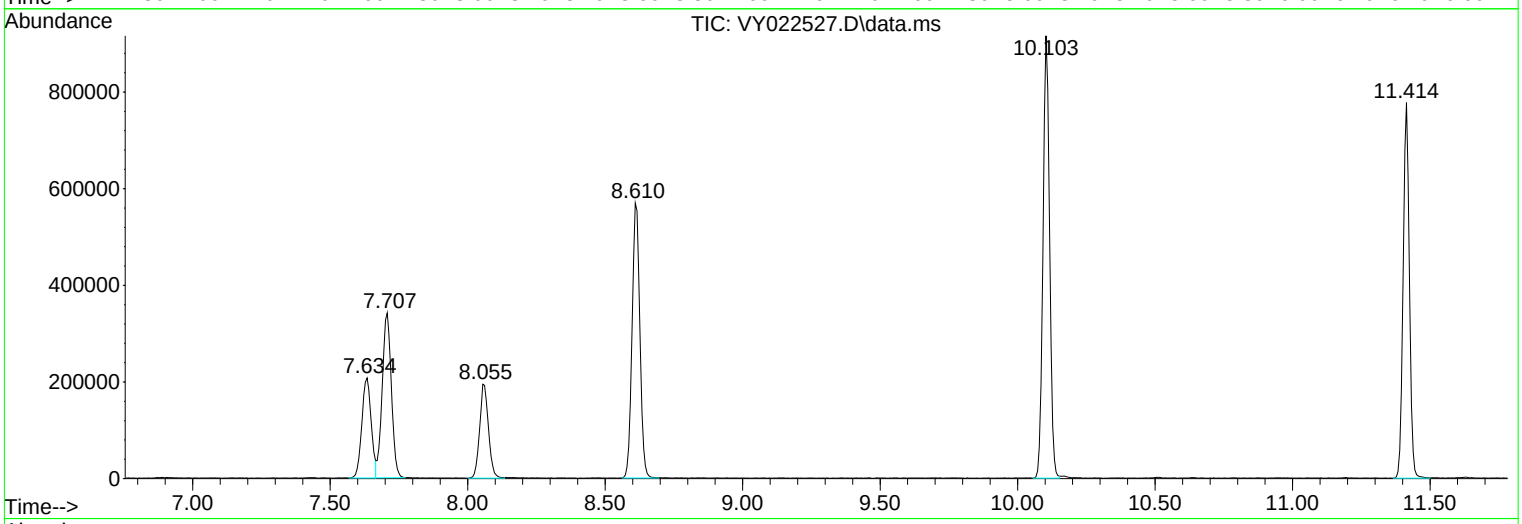
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022527.D
Acq On : 03 Jun 2025 16:58
Operator : SY/MD
Sample : Q2176-02
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

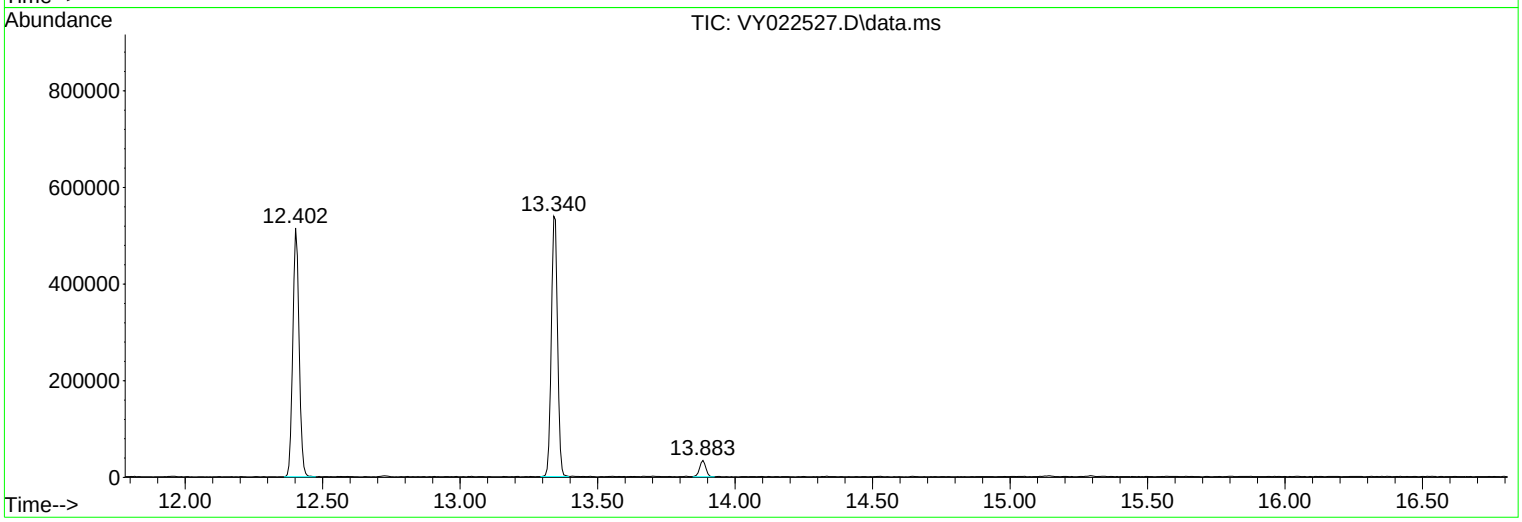
Instrument :
MSVOA_Y
ClientSampleId :
TP-56

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\VY060325\
Data File : VY022527.D
Acq On : 03 Jun 2025 16:58
Operator : SY/MD
Sample : Q2176-02
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-56

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\VY060325\
Data File : VY022527.D
Acq On : 03 Jun 2025 16:58
Operator : SY/MD
Sample : Q2176-02
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-56

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\VY060325\
Data File : VY022528.D
Acq On : 03 Jun 2025 17:22
Operator : SY/MD
Sample : Q2176-03
Misc : 5.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-25

Quant Time: Jun 04 04:15:45 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	277698	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	501520	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	388135	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	133596	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	136425	43.925	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.840%		
35) Dibromofluoromethane	7.628	113	144079	48.131	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.260%		
50) Toluene-d8	10.103	98	597801	49.423	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.840%		
62) 4-Bromofluorobenzene	12.402	95	141351	39.222	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	78.440%		

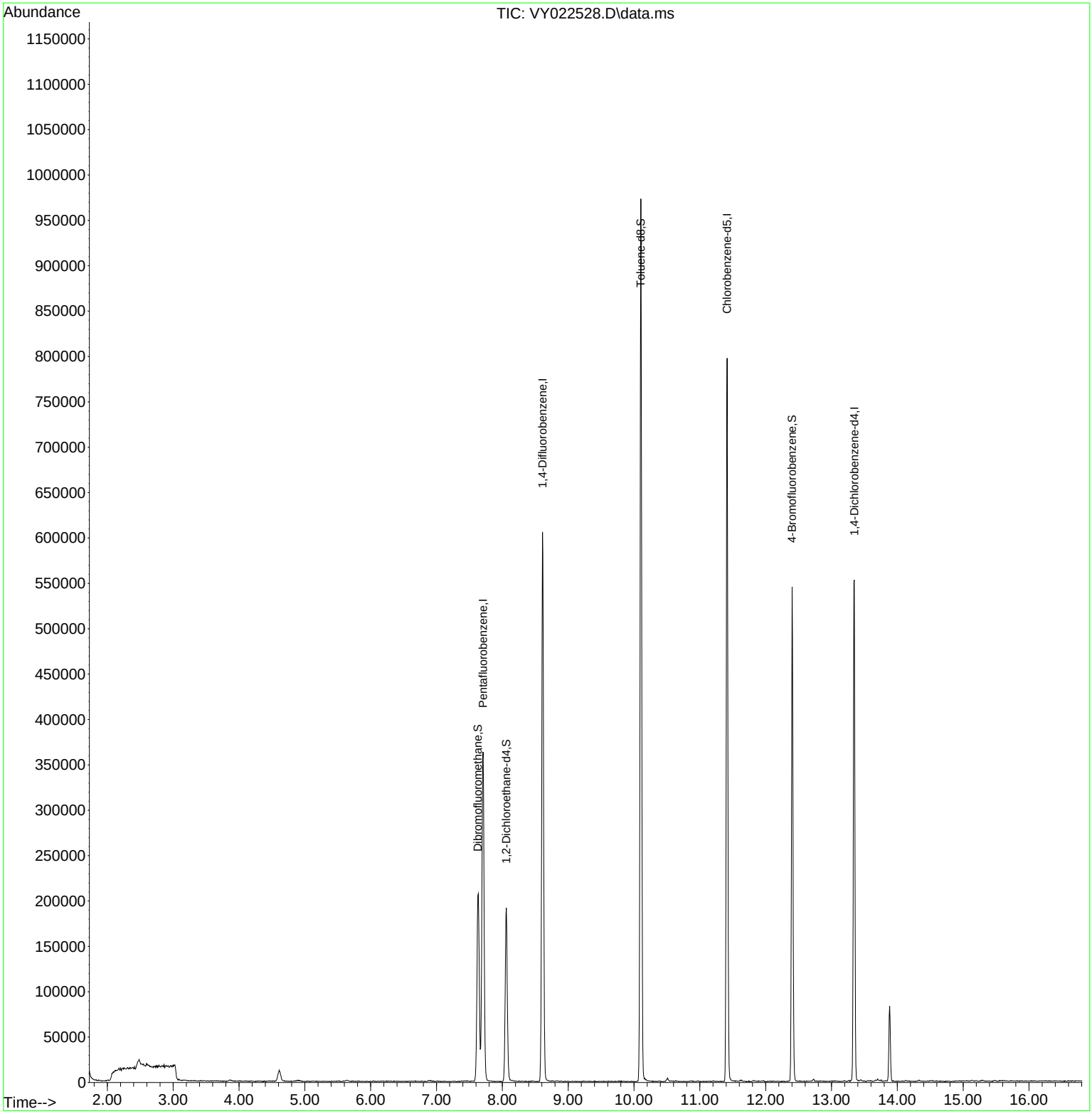
Target Compounds Qvalue

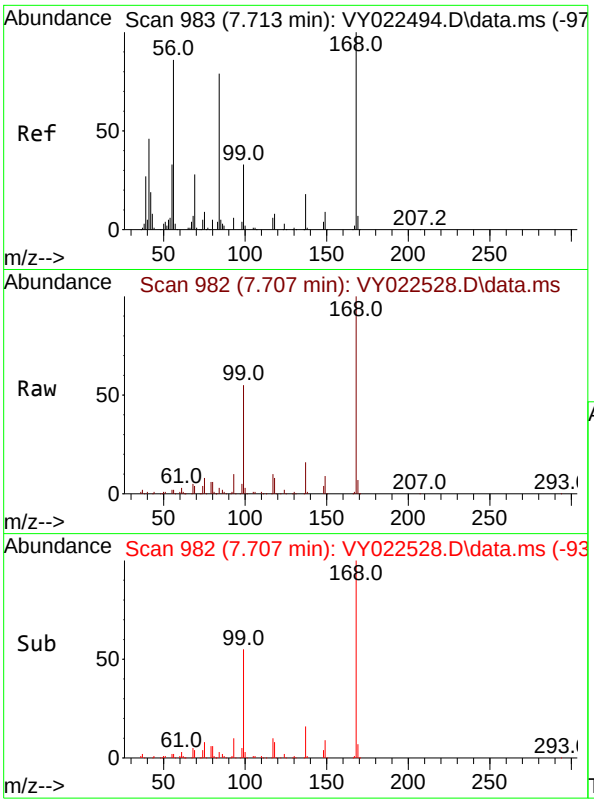
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022528.D
Acq On : 03 Jun 2025 17:22
Operator : SY/MD
Sample : Q2176-03
Misc : 5.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-25

Quant Time: Jun 04 04:15:45 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



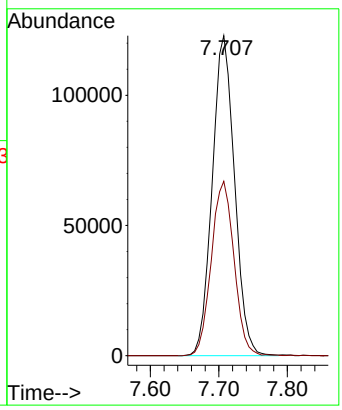


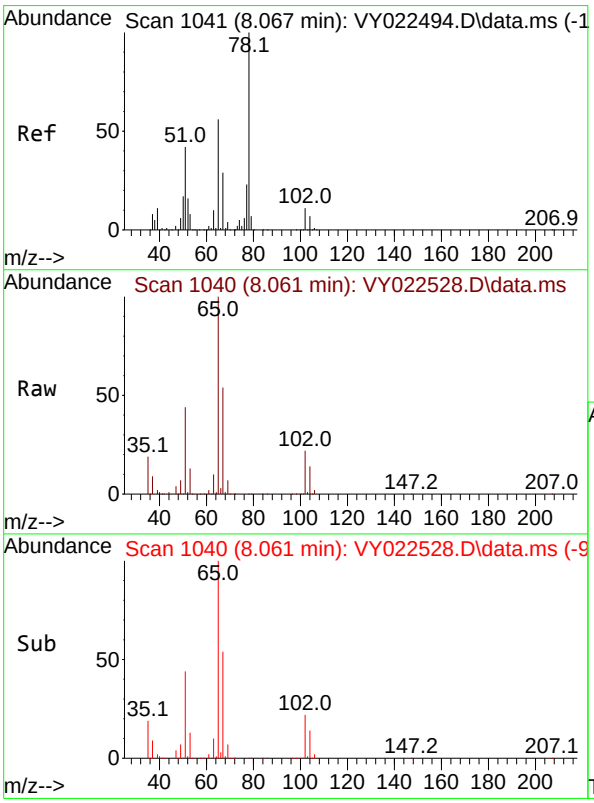
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022528.D
Acq: 03 Jun 2025 17:22

Instrument :
MSVOA_Y
ClientSampleId :
TP-25

Tgt Ion:168 Resp: 277698

Ion	Ratio	Lower	Upper
168	100		
99	54.5	44.3	66.5

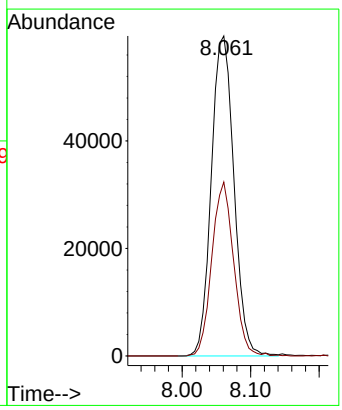


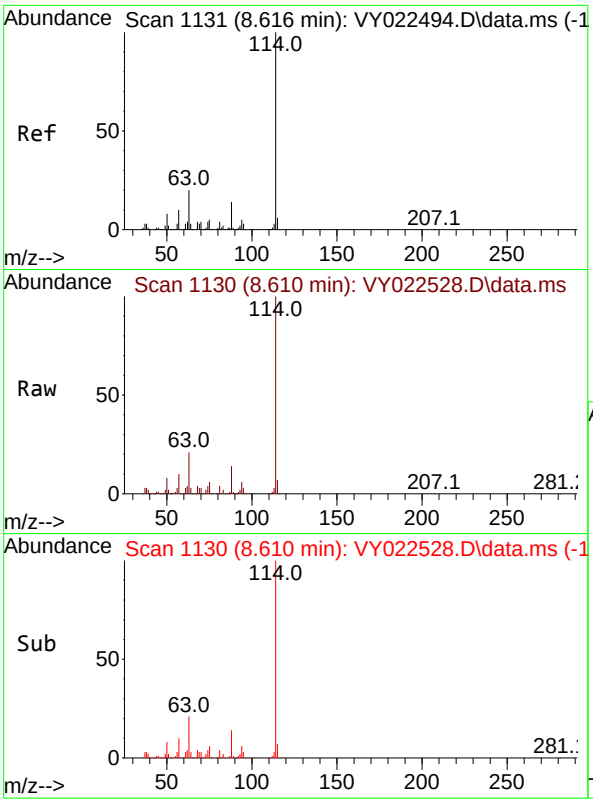


#33
1,2-Dichloroethane-d4
Concen: 43.925 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022528.D
Acq: 03 Jun 2025 17:22

Tgt Ion: 65 Resp: 136425

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	103.4



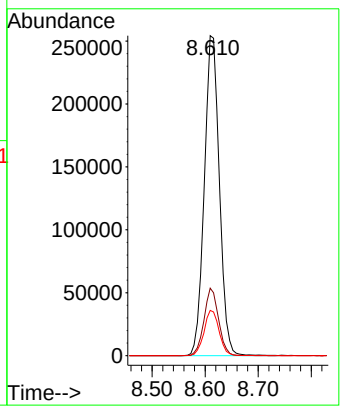


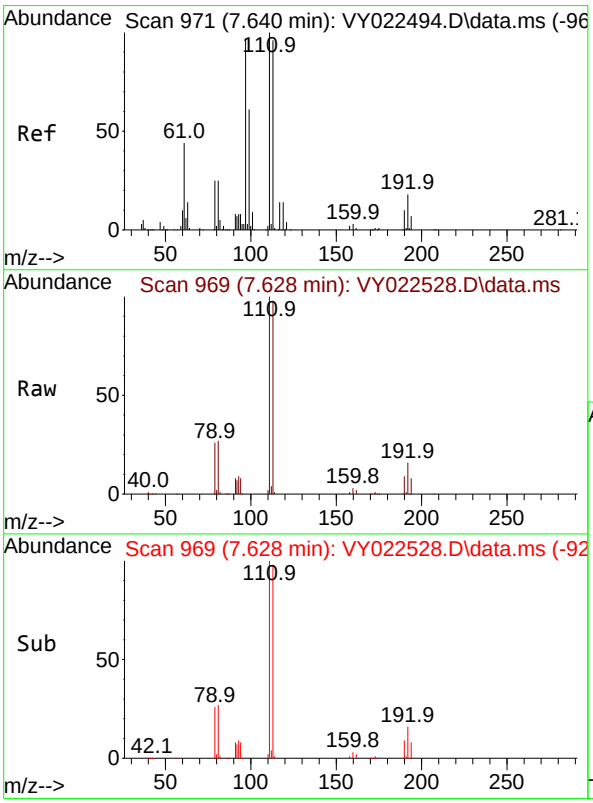
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022528.D
Acq: 03 Jun 2025 17:22

Instrument :
MSVOA_Y
ClientSampleId :
TP-25

Tgt Ion:114 Resp: 501520

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	40.8
88	14.2	0.0	27.8

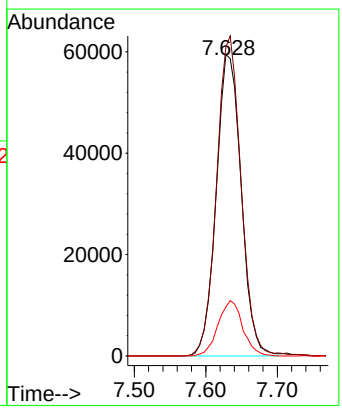


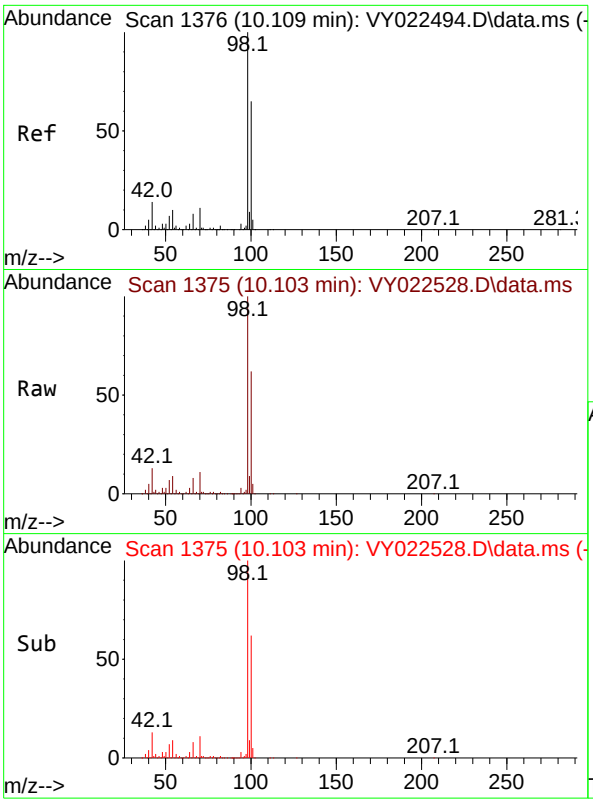


#35
Dibromofluoromethane
Concen: 48.131 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022528.D
Acq: 03 Jun 2025 17:22

Tgt Ion:113 Resp: 144079

Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.1	121.7
192	18.1	14.2	21.2



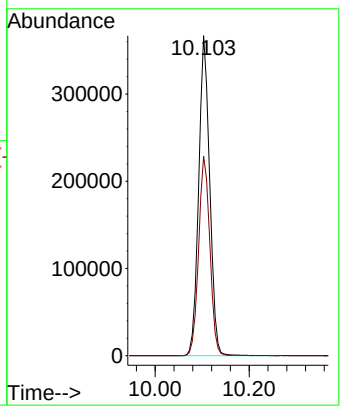


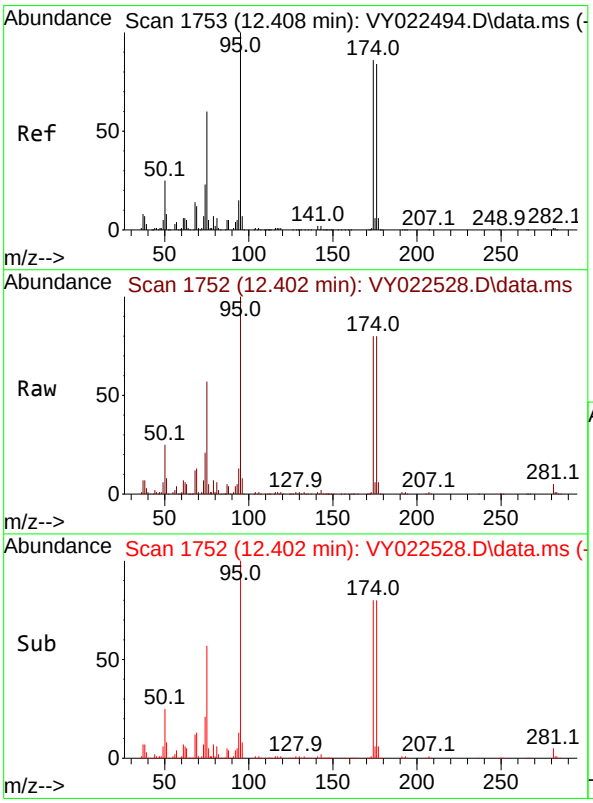
#50
Toluene-d8
Concen: 49.423 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022528.D
Acq: 03 Jun 2025 17:22

Instrument :
MSVOA_Y
ClientSampleId :
TP-25

Tgt Ion: 98 Resp: 597801

Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.4	77.0

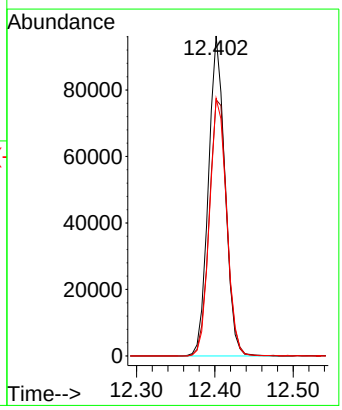


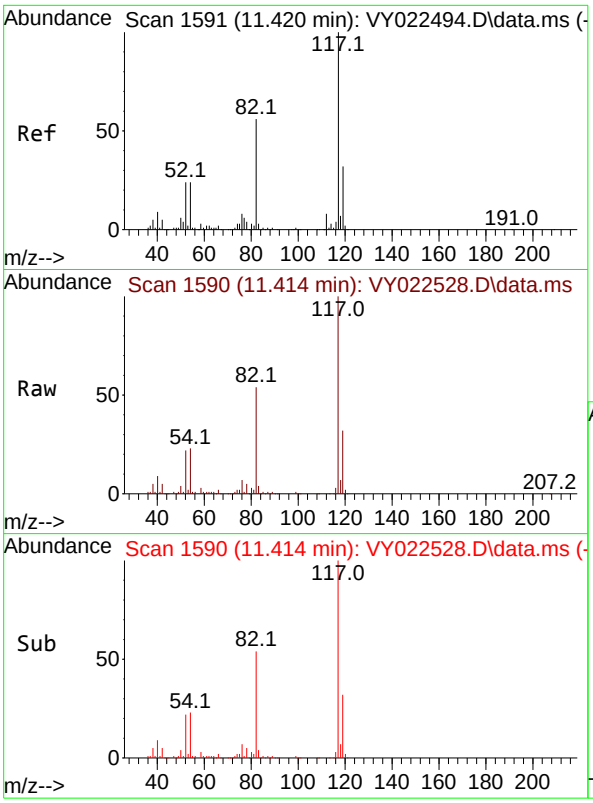


#62
4-Bromofluorobenzene
Concen: 39.222 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022528.D
Acq: 03 Jun 2025 17:22

Tgt Ion: 95 Resp: 141351

Ion	Ratio	Lower	Upper
95	100		
174	85.3	0.0	170.0
176	83.2	0.0	166.2



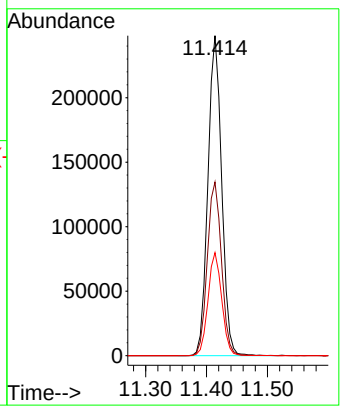


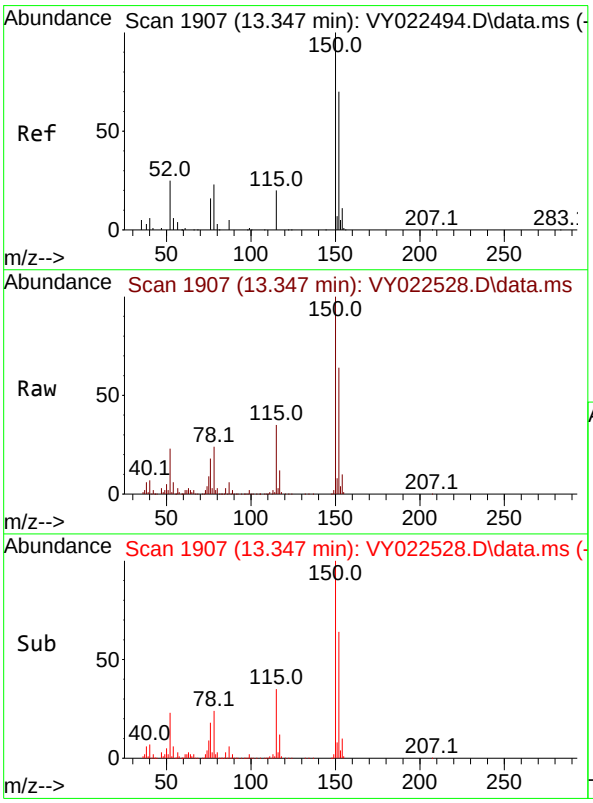
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022528.D
Acq: 03 Jun 2025 17:22

Instrument :
MSVOA_Y
ClientSampleId :
TP-25

Tgt Ion:117 Resp: 388135

Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.6	66.8
119	32.2	25.4	38.0

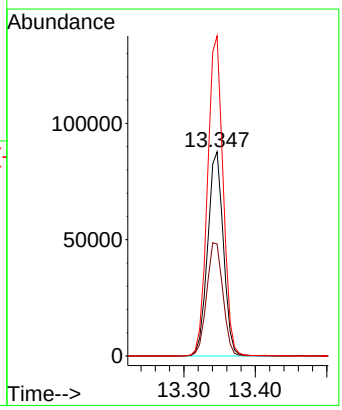




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022528.D
Acq: 03 Jun 2025 17:22

Tgt Ion:152 Resp: 133596

Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.9	86.7
150	155.1	0.0	349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022528.D
Acq On : 03 Jun 2025 17:22
Operator : SY/MD
Sample : Q2176-03
Misc : 5.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-25

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: VY022528.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.129	58	67	69	rVV7	4082	16587	1.03%	0.213%
2	2.483	116	125	129	rBV3	10489	32137	1.99%	0.413%
3	4.610	464	474	487	rVB3	12189	36899	2.28%	0.474%
4	7.634	959	970	975	rBV2	206781	495856	30.67%	6.366%
5	7.707	975	982	1000	rVB	362717	847960	52.44%	10.887%
6	8.061	1028	1040	1052	rBV	191487	420304	25.99%	5.396%
7	8.610	1122	1130	1142	rBV	605403	1183632	73.20%	15.197%
8	10.103	1367	1375	1384	rBV	972258	1616943	100.00%	20.760%
9	11.414	1582	1590	1602	rBV	797072	1271971	78.67%	16.331%
10	12.402	1745	1752	1762	rBV2	544747	861931	53.31%	11.067%
11	13.347	1899	1907	1917	rVB	551769	871318	53.89%	11.187%
12	13.883	1988	1995	2002	rVB2	82920	133047	8.23%	1.708%

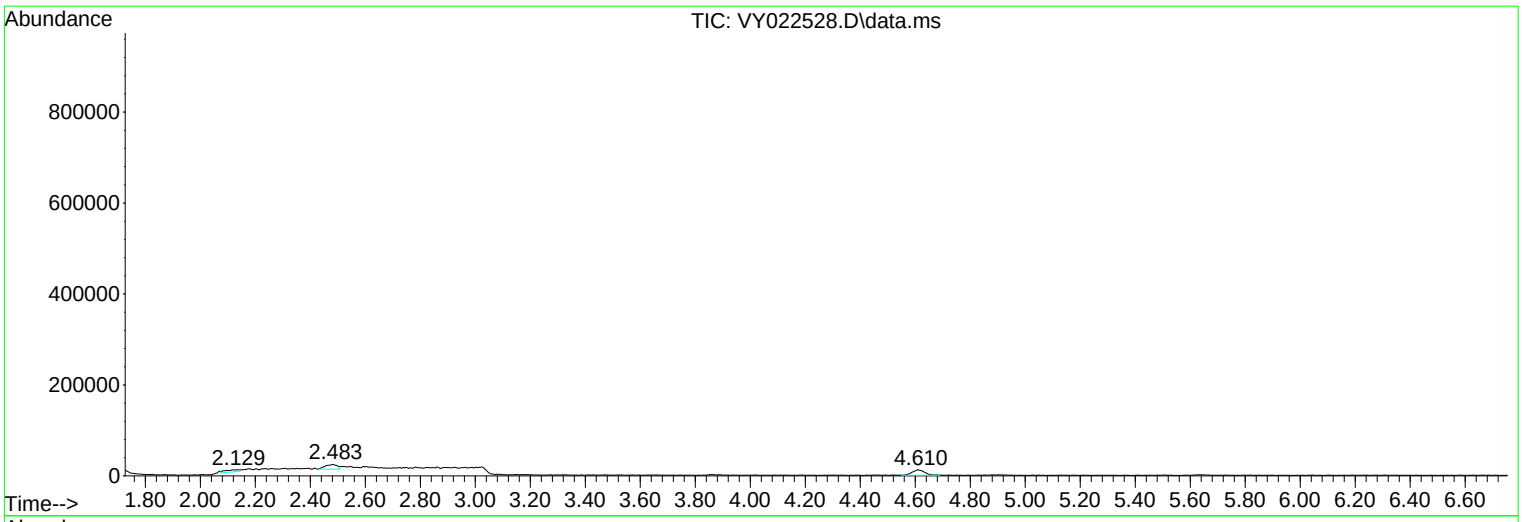
Sum of corrected areas: 7788585

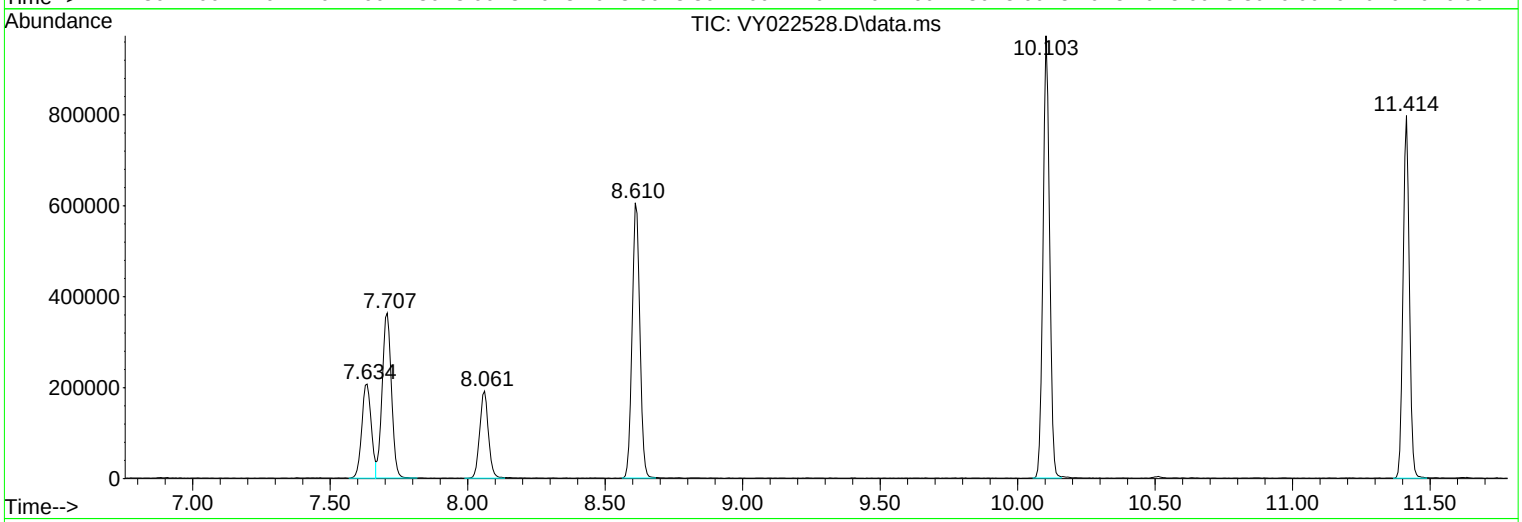
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022528.D
Acq On : 03 Jun 2025 17:22
Operator : SY/MD
Sample : Q2176-03
Misc : 5.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

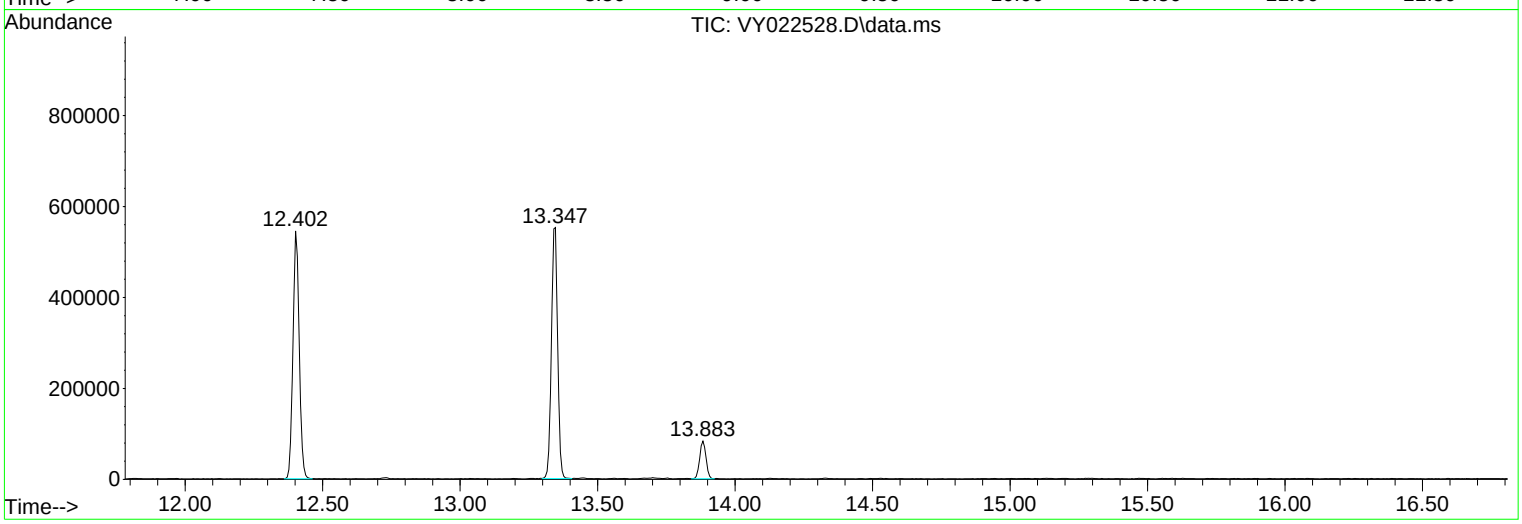
Instrument :
MSVOA_Y
ClientSampleId :
TP-25

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\VY060325\
Data File : VY022528.D
Acq On : 03 Jun 2025 17:22
Operator : SY/MD
Sample : Q2176-03
Misc : 5.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-25

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\VY060325\
Data File : VY022528.D
Acq On : 03 Jun 2025 17:22
Operator : SY/MD
Sample : Q2176-03
Misc : 5.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-25

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\VY060325\
Data File : VY022529.D
Acq On : 03 Jun 2025 17:45
Operator : SY/MD
Sample : Q2176-04
Misc : 7.58g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-26

Quant Time: Jun 04 04:16:08 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

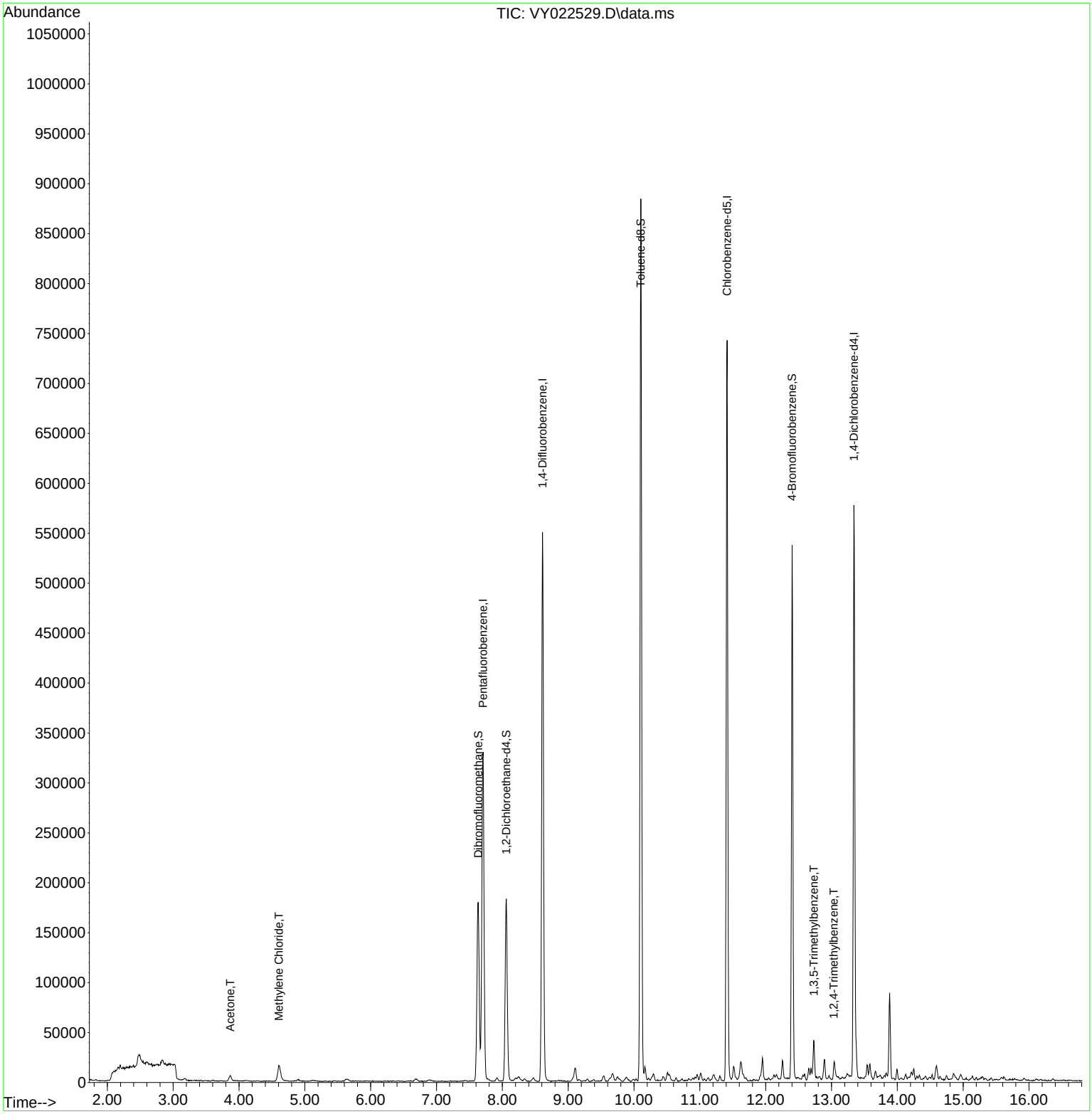
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	245298	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	450434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	364784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	132285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	136701	49.827	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.660%		
35) Dibromofluoromethane	7.634	113	125476	46.671	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.340%		
50) Toluene-d8	10.103	98	540372	49.742	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.480%		
62) 4-Bromofluorobenzene	12.402	95	139475	43.091	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	86.180%		
Target Compounds						Qvalue
16) Acetone	3.867	43	8632	15.493	ug/l #	86
20) Methylene Chloride	4.604	84	10957	3.462	ug/l	92
80) 1,3,5-Trimethylbenzene	12.731	105	14508	1.702	ug/l	100
84) 1,2,4-Trimethylbenzene	13.036	105	9441	1.107	ug/l	92

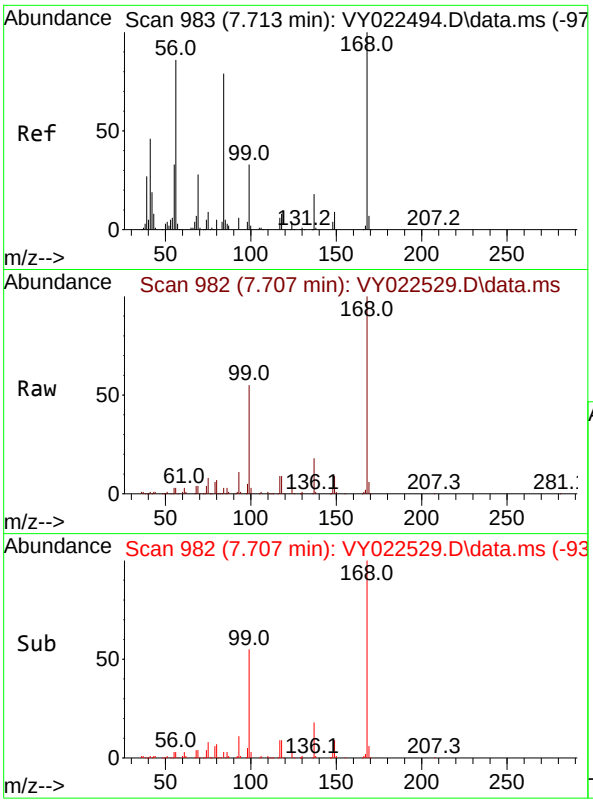
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022529.D
Acq On : 03 Jun 2025 17:45
Operator : SY/MD
Sample : Q2176-04
Misc : 7.58g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-26

Quant Time: Jun 04 04:16:08 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



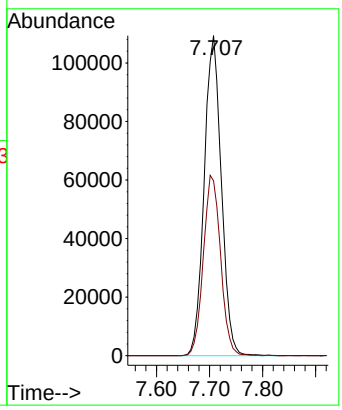


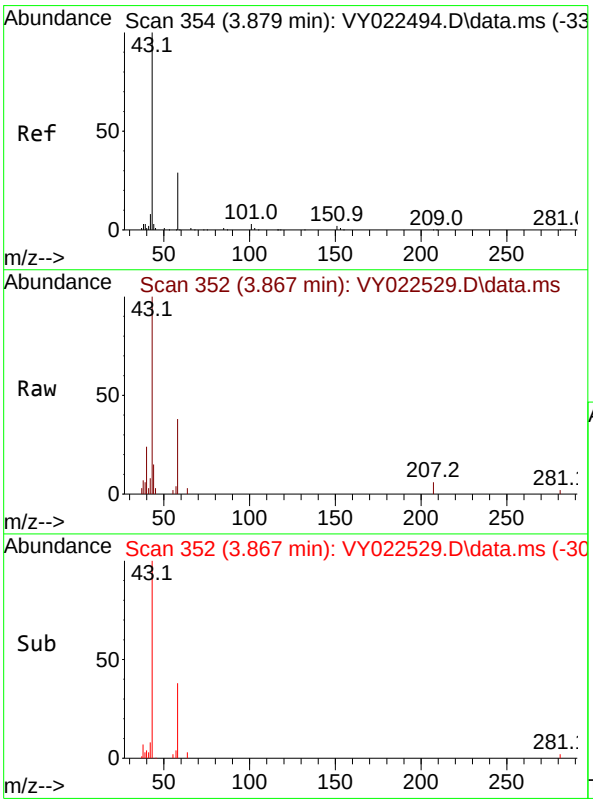
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

Instrument :
MSVOA_Y
ClientSampleId :
TP-26

Tgt Ion:168 Resp: 245298

Ion	Ratio	Lower	Upper
168	100		
99	54.6	44.3	66.5

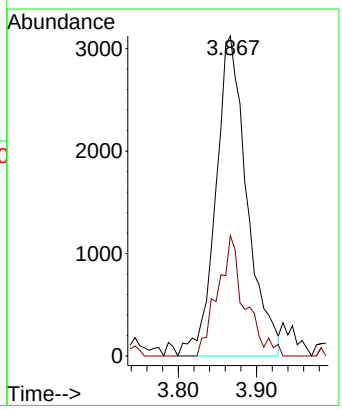


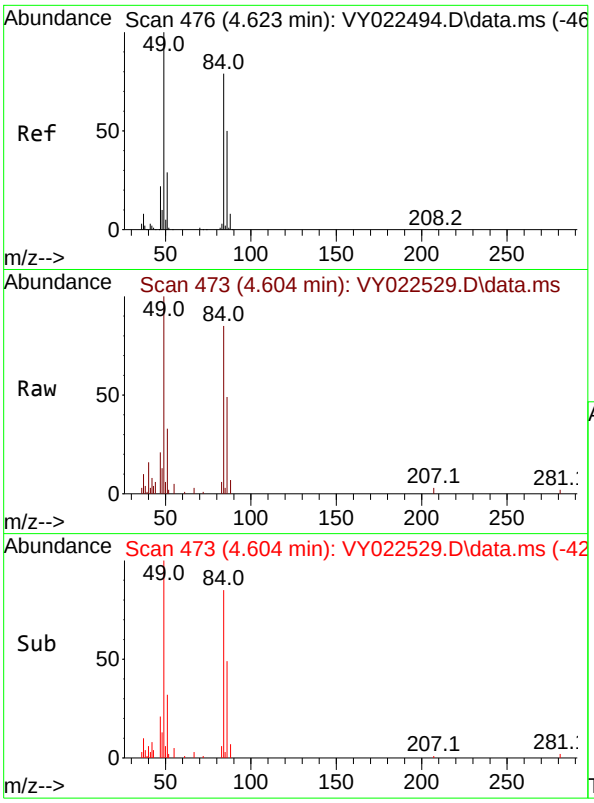


#16
Acetone
Concen: 15.493 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

Tgt Ion: 43 Resp: 8632

Ion	Ratio	Lower	Upper
43	100		
58	37.6	24.0	36.0#



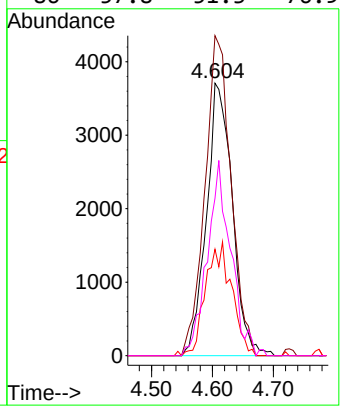


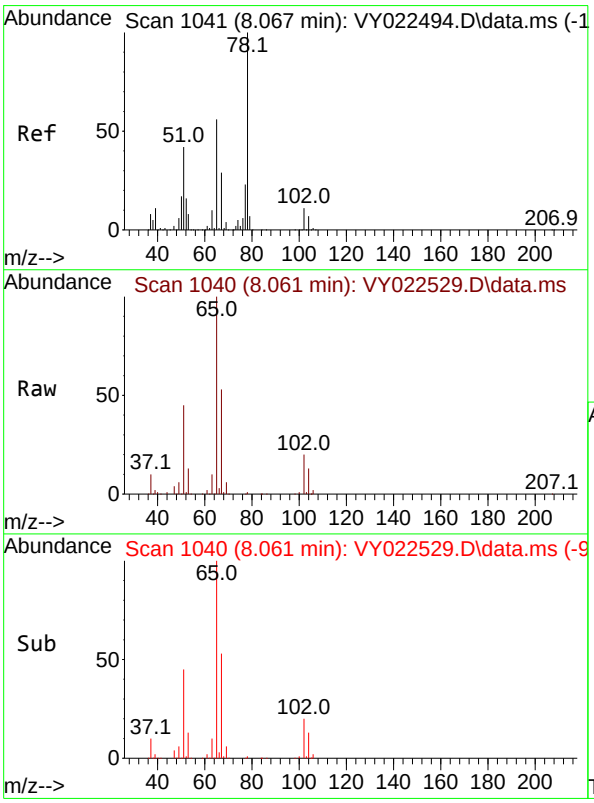
#20
Methylene Chloride
Concen: 3.462 ug/l
RT: 4.604 min Scan# 4
Delta R.T. -0.018 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

Instrument :
MSVOA_Y
ClientSampleId :
TP-26

Tgt Ion: 84 Resp: 10957

Ion	Ratio	Lower	Upper
84	100		
49	117.4	101.9	152.9
51	39.0	29.8	44.8
86	57.8	51.3	76.9

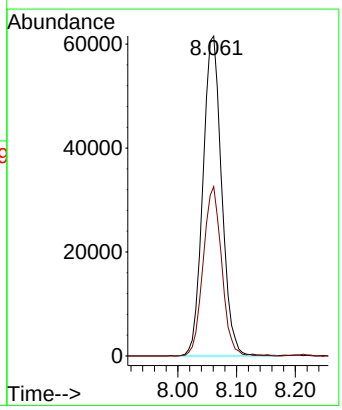


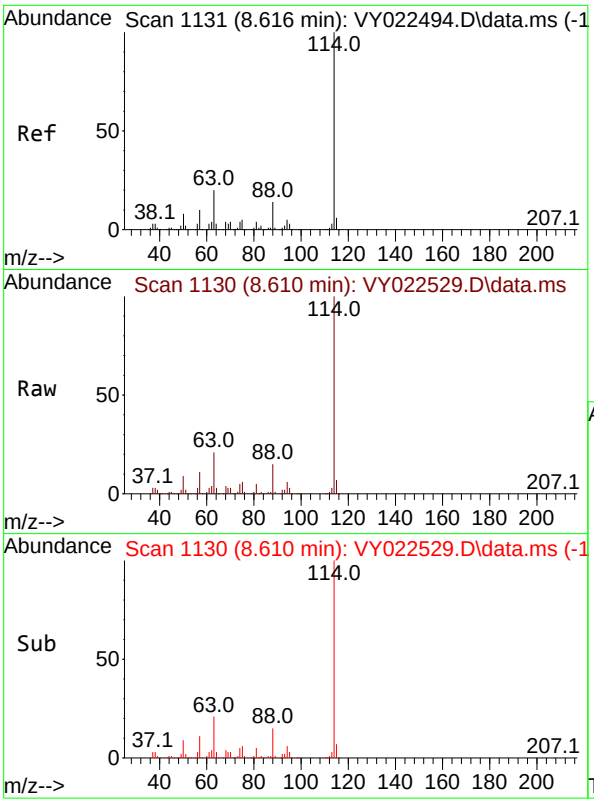


#33
1,2-Dichloroethane-d4
Concen: 49.827 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

Tgt Ion: 65 Resp: 136701

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	103.4



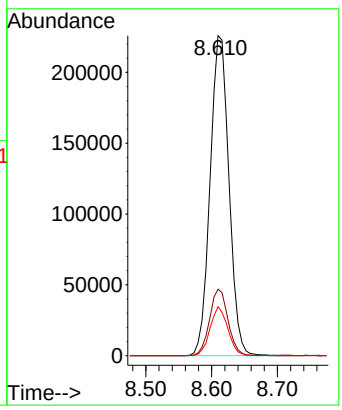


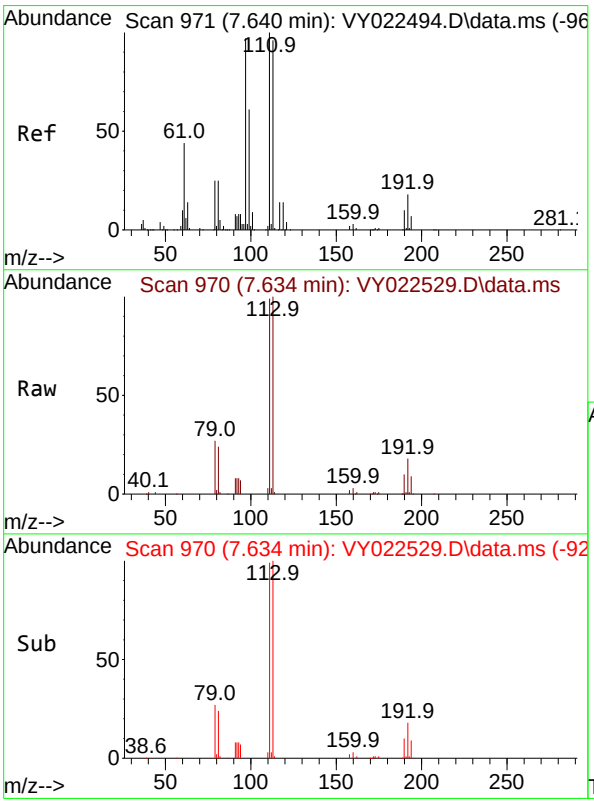
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

Instrument :
MSVOA_Y
ClientSampleId :
TP-26

Tgt Ion:114 Resp: 450434

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	40.8
88	15.3	0.0	27.8

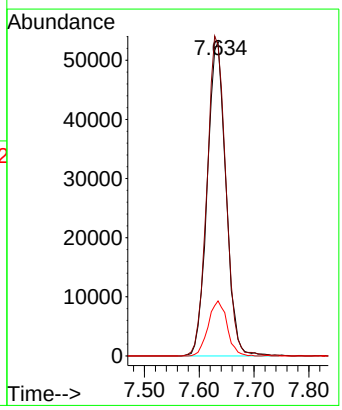




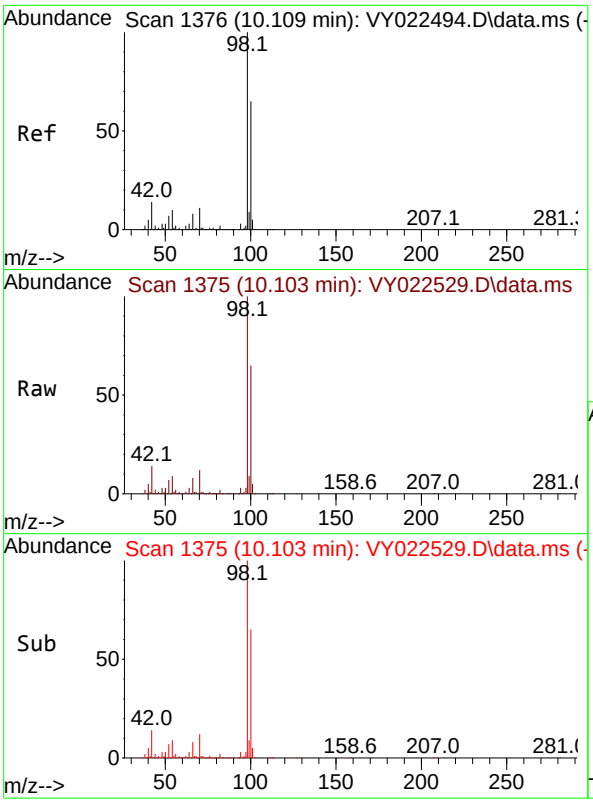
#35
Dibromofluoromethane
Concen: 46.671 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

Tgt Ion:113 Resp: 125476

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.1	121.7
192	17.7	14.2	21.2



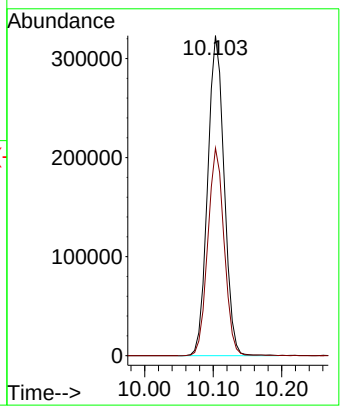
Instrument :
MSVOA_Y
ClientSampleId :
TP-26

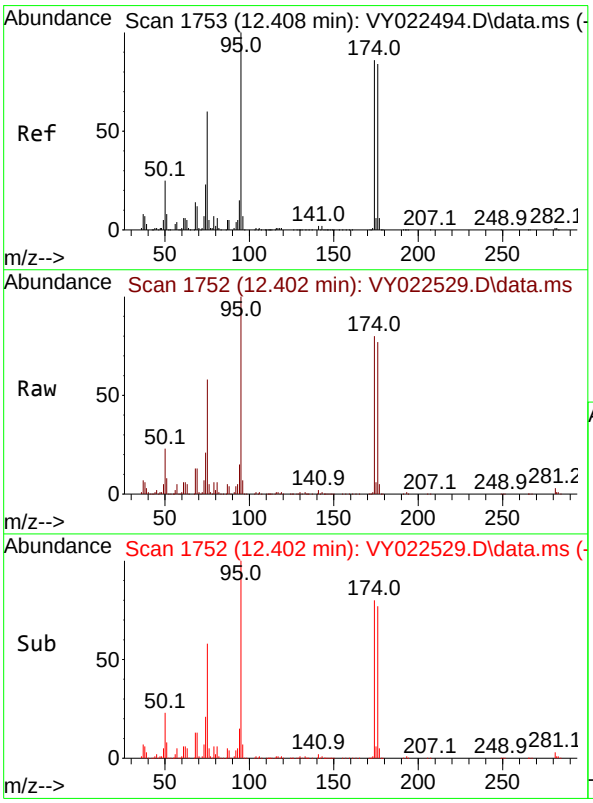


#50
Toluene-d8
Concen: 49.742 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

Tgt Ion: 98 Resp: 540372

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.0

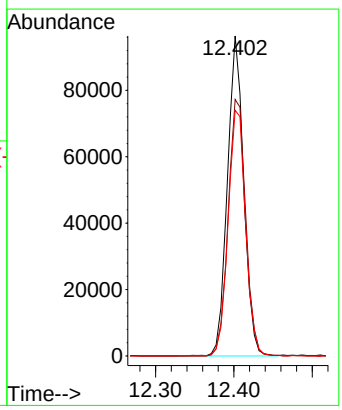


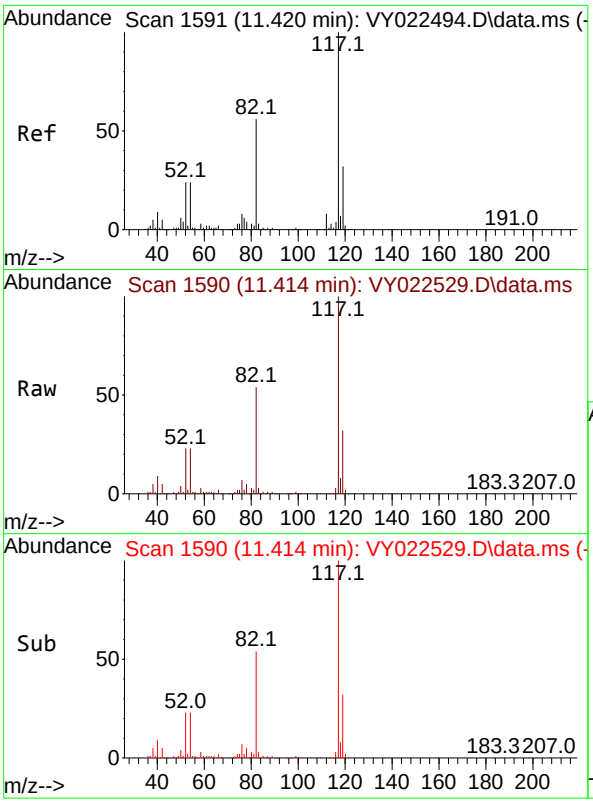


#62
4-Bromofluorobenzene
Concen: 43.091 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

Tgt Ion: 95 Resp: 139475

Ion	Ratio	Lower	Upper
95	100		
174	86.1	0.0	170.0
176	82.0	0.0	166.2



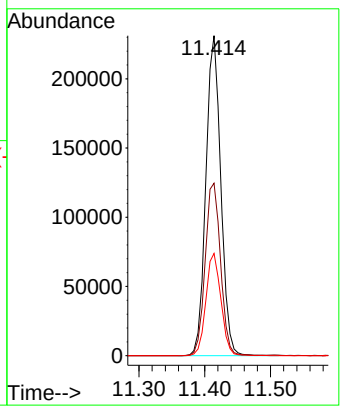


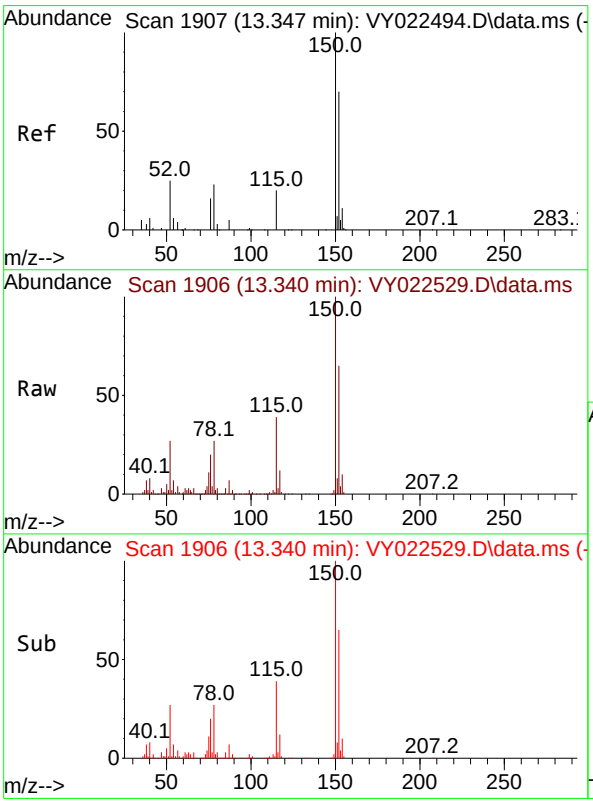
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

Instrument :
MSVOA_Y
ClientSampleId :
TP-26

Tgt Ion:117 Resp: 364784

Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.6	66.8
119	32.0	25.4	38.0

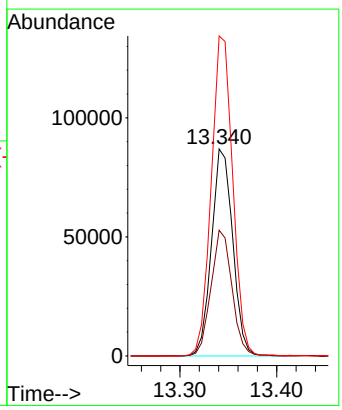




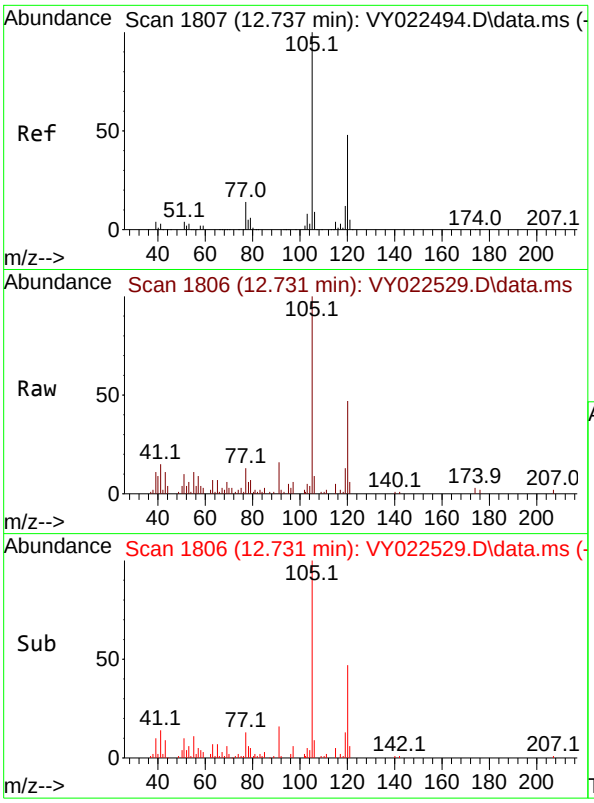
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

Tgt Ion:152 Resp: 132285

Ion	Ratio	Lower	Upper
152	100		
115	60.3	28.9	86.7
150	156.3	0.0	349.6



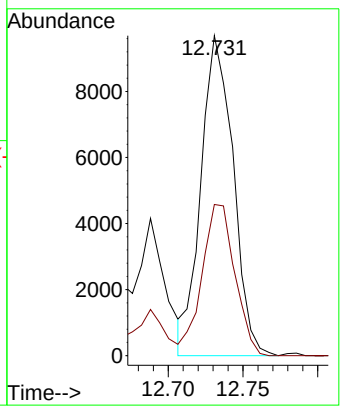
Instrument :
MSVOA_Y
ClientSampleId :
TP-26

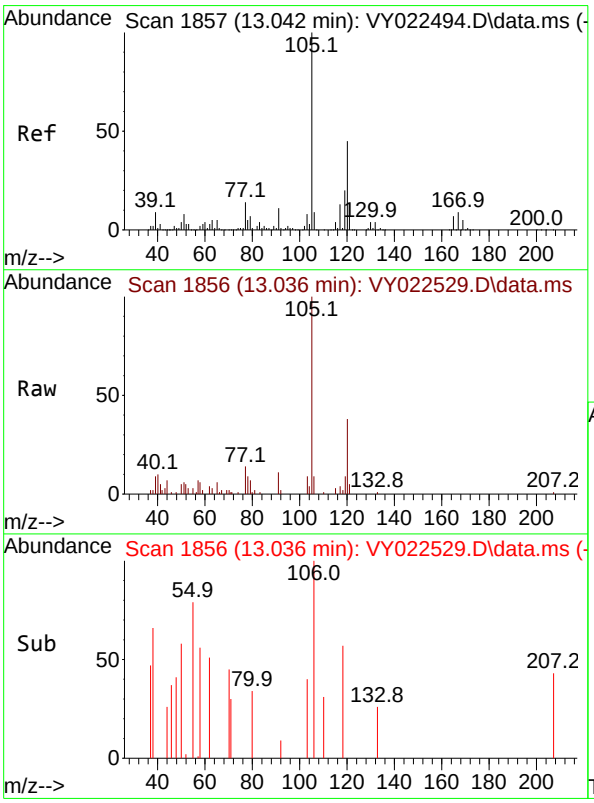


#80
1,3,5-Trimethylbenzene
Concen: 1.702 ug/l
RT: 12.731 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

Tgt Ion:105 Resp: 14508

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.1	72.4

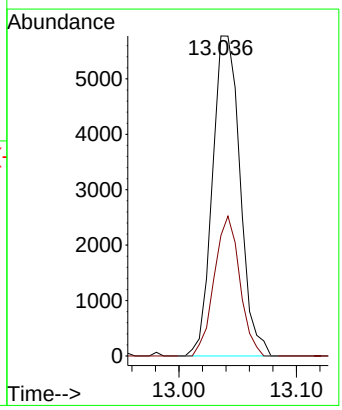




#84
1,2,4-Trimethylbenzene
Concen: 1.107 ug/l
RT: 13.036 min Scan# 1856
Delta R.T. -0.006 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

Tgt Ion:105 Resp: 9441

Ion	Ratio	Lower	Upper
105	100		
120	40.4	22.7	68.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022529.D
Acq On : 03 Jun 2025 17:45
Operator : SY/MD
Sample : Q2176-04
Misc : 7.58g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-26

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: VY022529.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.099	51	62	65	rBV4	9418	31912	2.14%	0.403%
2	2.483	119	125	134	rBV3	9859	33442	2.25%	0.422%
3	3.867	341	352	361	rBV2	5702	15446	1.04%	0.195%
4	4.604	464	473	487	rBV3	16010	52346	3.51%	0.661%
5	7.634	957	970	975	rBV	178940	430991	28.94%	5.443%
6	7.707	975	982	992	rVB	327677	754404	50.65%	9.528%
7	8.061	1031	1040	1052	rBV2	182412	405180	27.20%	5.117%
8	8.610	1121	1130	1144	rBV	549861	1080580	72.55%	13.648%
9	9.103	1199	1211	1217	rBV4	13340	34879	2.34%	0.441%
10	9.670	1299	1304	1311	rVB3	6668	15797	1.06%	0.200%
11	10.103	1367	1375	1383	rBV	883290	1489373	100.00%	18.811%
12	10.164	1383	1385	1392	rVB	13365	19704	1.32%	0.249%
13	10.292	1398	1406	1413	rVB7	6804	16532	1.11%	0.209%
14	11.213	1552	1557	1567	rVB9	6435	16702	1.12%	0.211%
15	11.414	1582	1590	1601	rBV	741616	1200374	80.60%	15.161%
16	11.512	1601	1606	1616	rVV2	13190	26346	1.77%	0.333%
17	11.621	1616	1624	1636	rBV3	17625	48430	3.25%	0.612%
18	11.950	1667	1678	1685	rBV3	22908	47988	3.22%	0.606%
19	12.255	1722	1728	1735	rBV3	18393	29797	2.00%	0.376%
20	12.402	1745	1752	1762	rBV	534362	829497	55.69%	10.476%
21	12.652	1788	1793	1796	rBV4	11849	18806	1.26%	0.238%
22	12.731	1802	1806	1812	rVB2	37748	57778	3.88%	0.730%
23	12.895	1825	1833	1838	rBV	20059	35233	2.37%	0.445%
24	13.042	1851	1857	1865	rBV3	18211	38229	2.57%	0.483%
25	13.340	1900	1906	1917	rVB	573072	915961	61.50%	11.568%
26	13.542	1934	1939	1942	rBV3	12014	17565	1.18%	0.222%
27	13.584	1942	1946	1954	rVB2	15617	28265	1.90%	0.357%
28	13.670	1954	1960	1964	rBV6	8416	16068	1.08%	0.203%
29	13.883	1990	1995	2001	rVB2	85869	133111	8.94%	1.681%
30	13.993	2008	2013	2019	rBV2	10684	16311	1.10%	0.206%
31	14.249	2052	2055	2059	rVB2	10656	15035	1.01%	0.190%
32	14.596	2104	2112	2117	rBV6	13775	28305	1.90%	0.357%
33	14.852	2149	2154	2166	rVB6	6528	17334	1.16%	0.219%

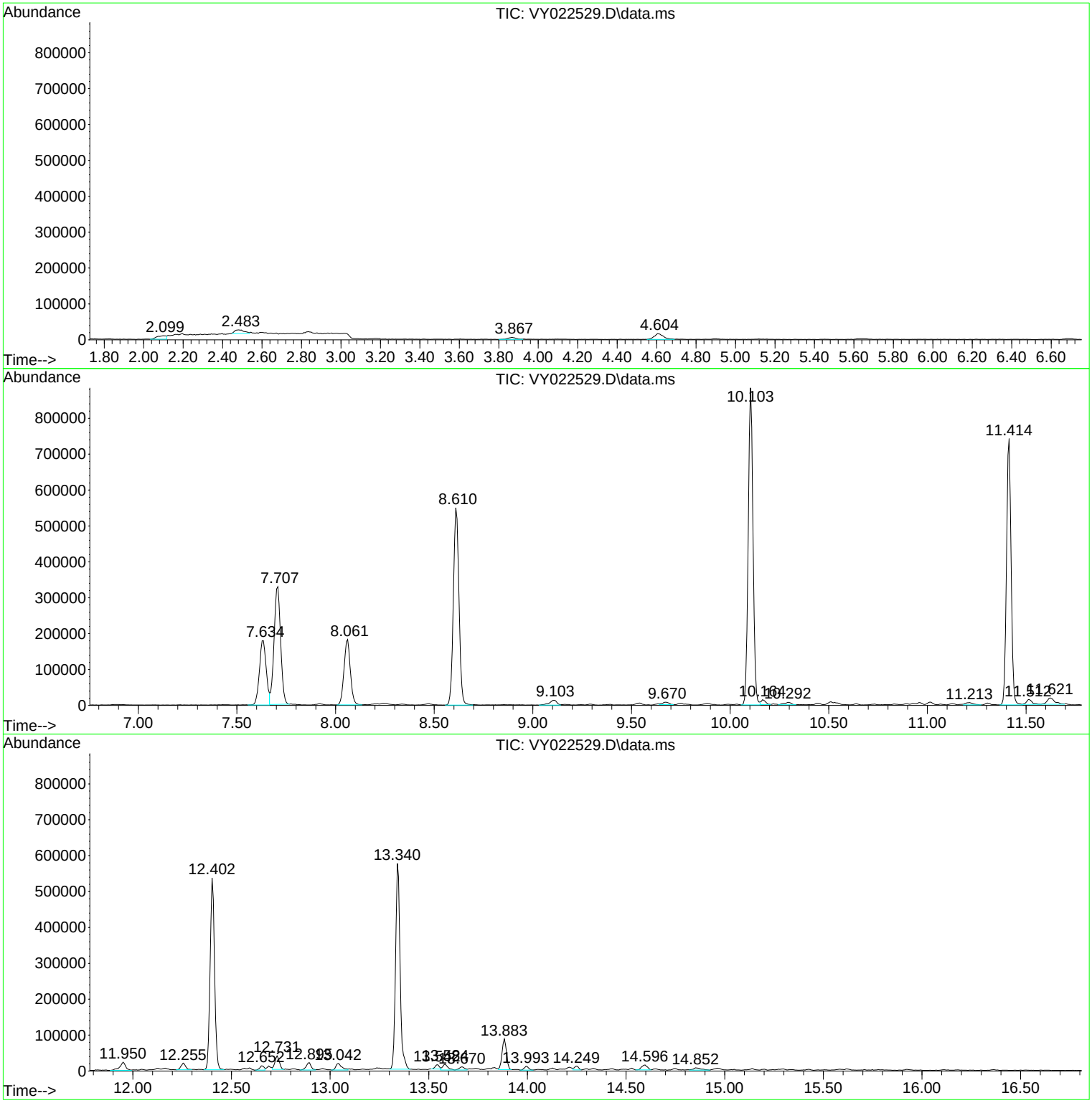
Sum of corrected areas: 7917721

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022529.D
Acq On : 03 Jun 2025 17:45
Operator : SY/MD
Sample : Q2176-04
Misc : 7.58g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-26

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\VY060325\
Data File : VY022529.D
Acq On : 03 Jun 2025 17:45
Operator : SY/MD
Sample : Q2176-04
Misc : 7.58g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-26

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
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022529.D
Acq On : 03 Jun 2025 17:45
Operator : SY/MD
Sample : Q2176-04
Misc : 7.58g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-26

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\VY060325\
Data File : VY022530.D
Acq On : 03 Jun 2025 18:09
Operator : SY/MD
Sample : Q2176-05
Misc : 5.85g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-28

Quant Time: Jun 04 04:16:33 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	287774	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	510573	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	400841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	141621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	147241	45.747	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.500%		
35) Dibromofluoromethane	7.634	113	148611	48.765	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.520%		
50) Toluene-d8	10.103	98	614930	49.938	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.880%		
62) 4-Bromofluorobenzene	12.401	95	149582	40.770	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	81.540%		

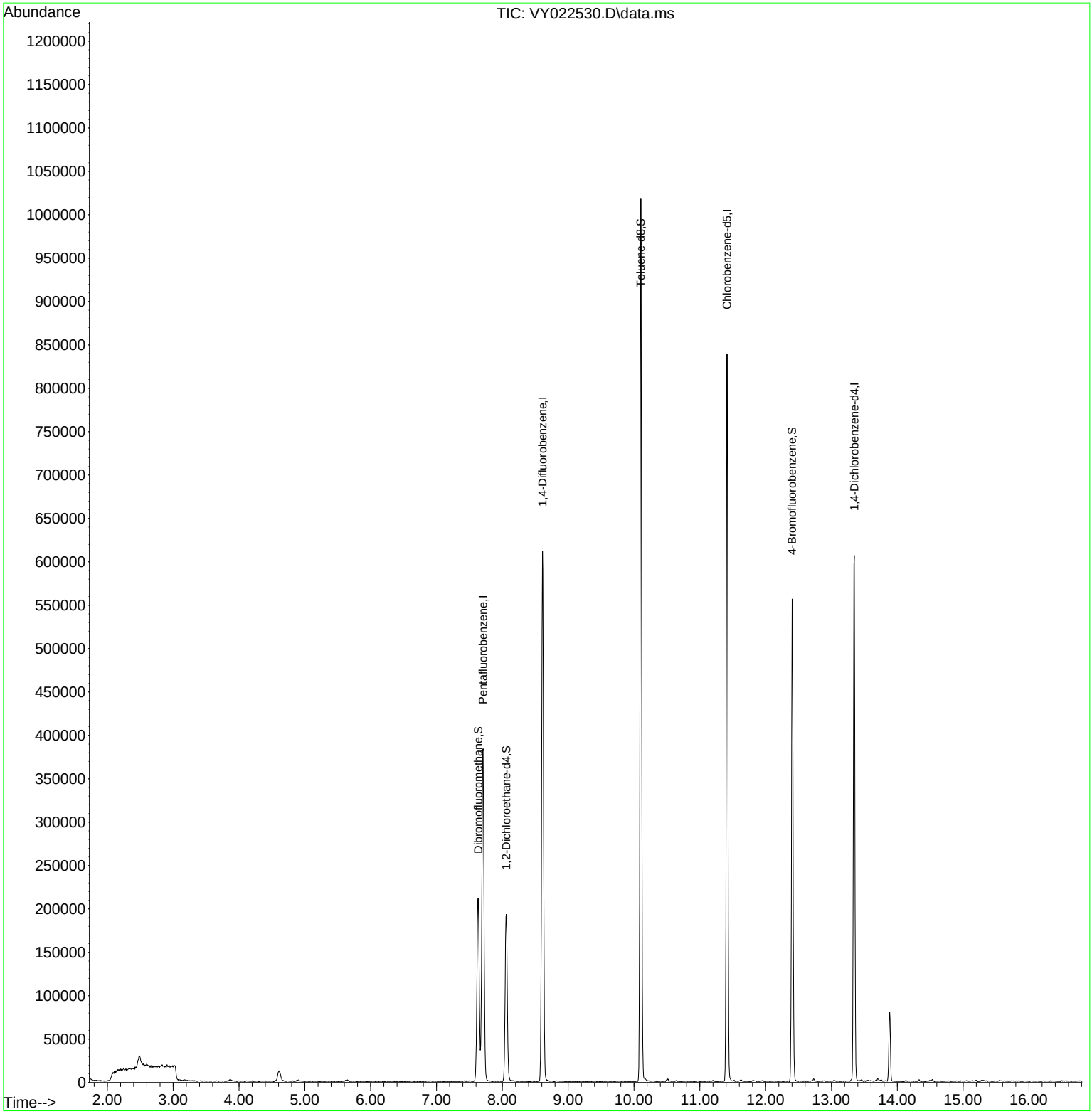
Target Compounds Qvalue

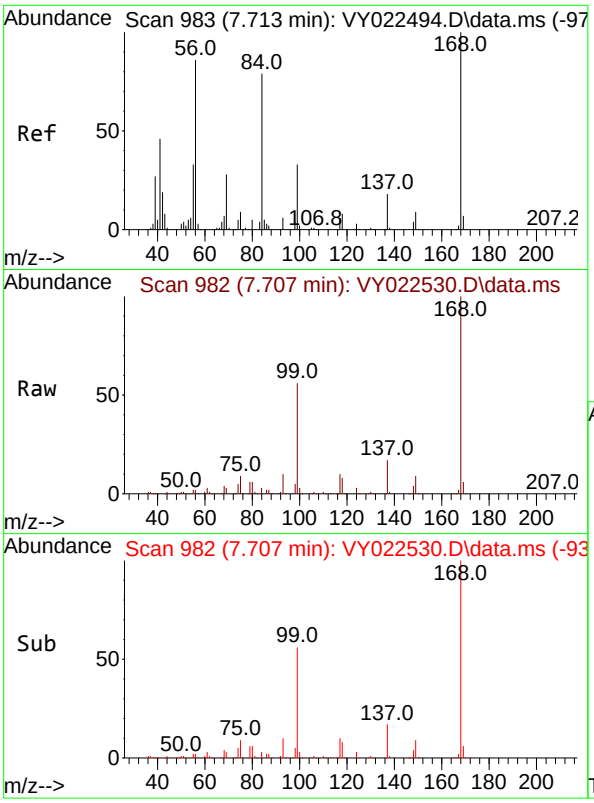
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022530.D
Acq On : 03 Jun 2025 18:09
Operator : SY/MD
Sample : Q2176-05
Misc : 5.85g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-28

Quant Time: Jun 04 04:16:33 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



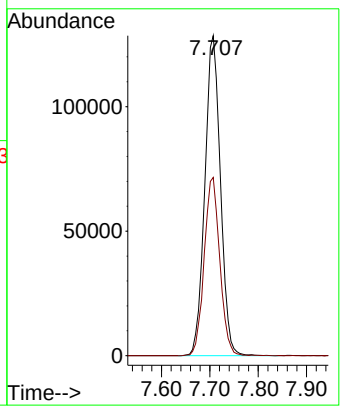


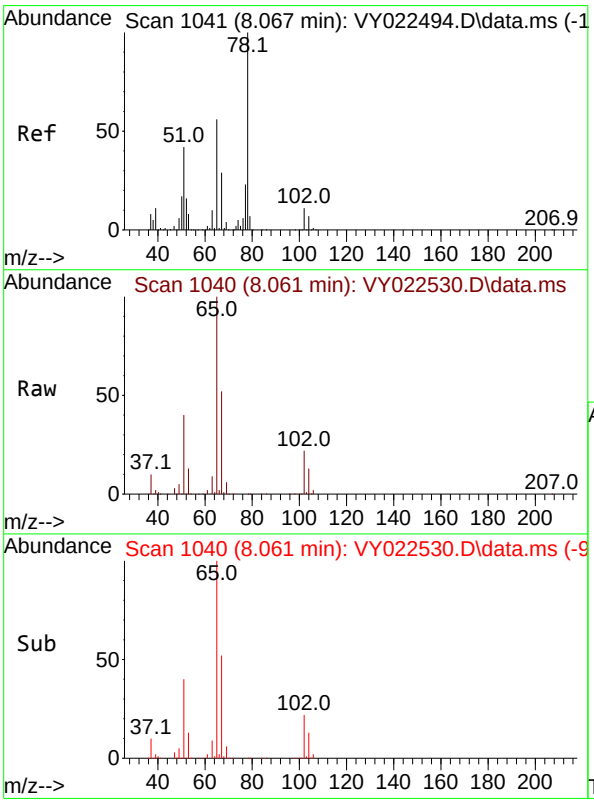
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022530.D
Acq: 03 Jun 2025 18:09

Instrument :
MSVOA_Y
ClientSampleId :
TP-28

Tgt Ion:168 Resp: 287774

Ion	Ratio	Lower	Upper
168	100		
99	55.7	44.3	66.5

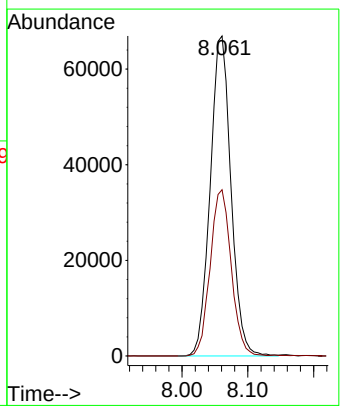


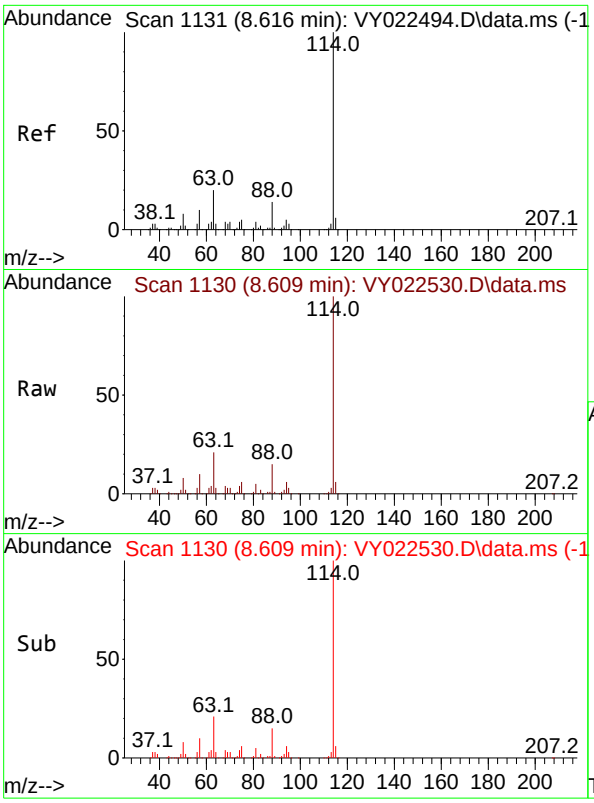


#33
1,2-Dichloroethane-d4
Concen: 45.747 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022530.D
Acq: 03 Jun 2025 18:09

Tgt Ion: 65 Resp: 147241

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	103.4



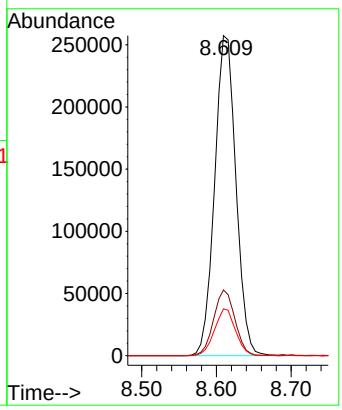


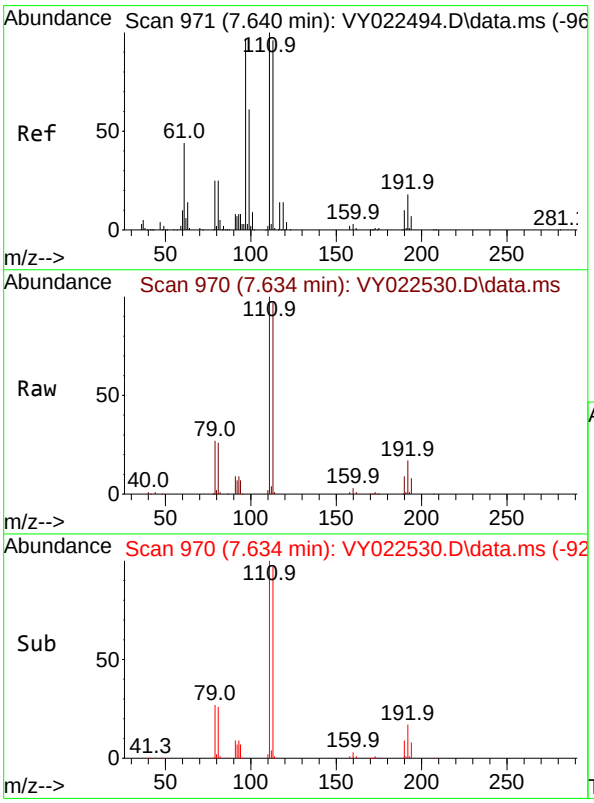
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022530.D
Acq: 03 Jun 2025 18:09

Instrument :
MSVOA_Y
ClientSampleId :
TP-28

Tgt Ion:114 Resp: 510573

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	14.6	0.0	27.8

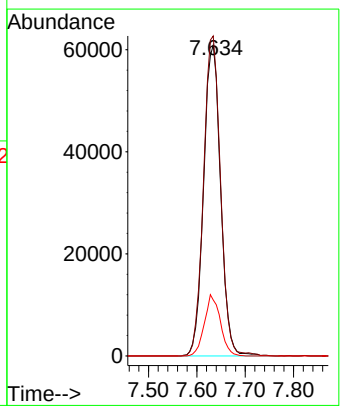


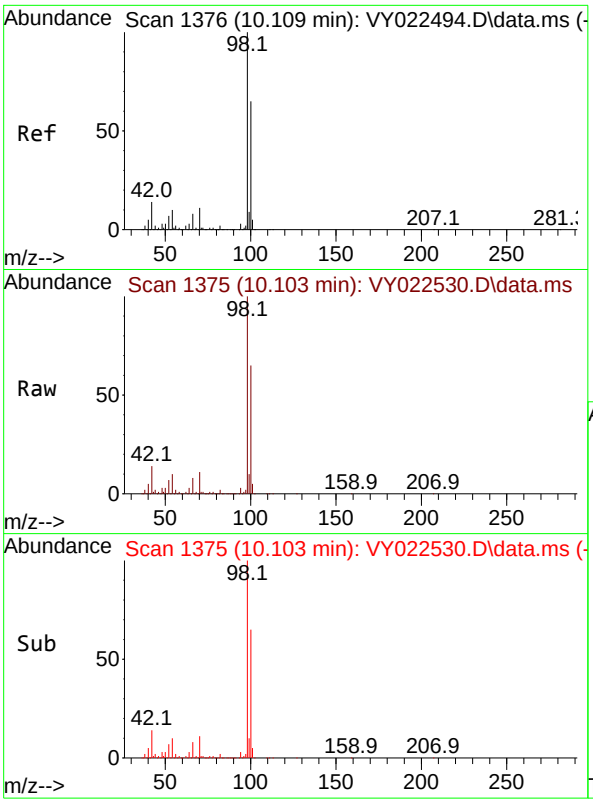


#35
Dibromofluoromethane
Concen: 48.765 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022530.D
Acq: 03 Jun 2025 18:09

Tgt Ion:113 Resp: 148611

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.1	121.7
192	18.5	14.2	21.2



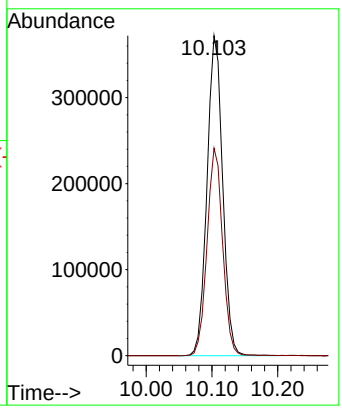


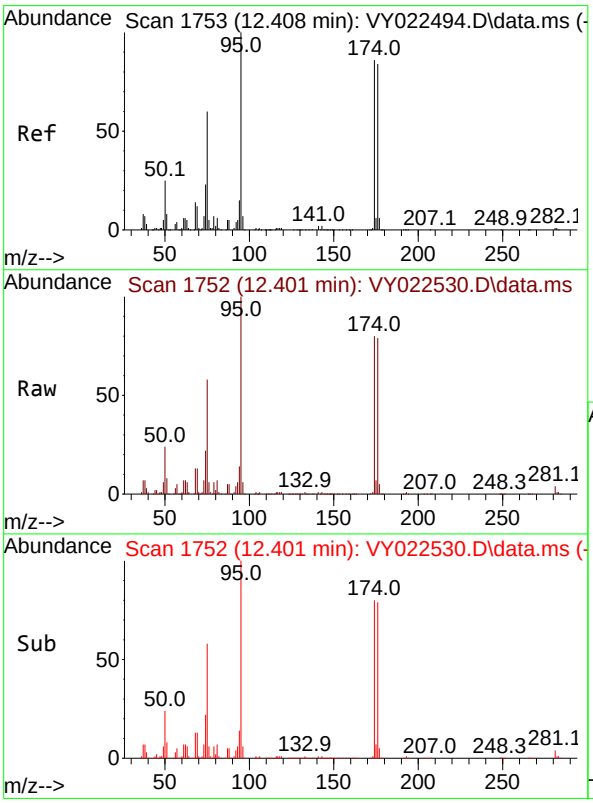
#50
Toluene-d8
Concen: 49.938 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022530.D
Acq: 03 Jun 2025 18:09

Instrument :
MSVOA_Y
ClientSampleId :
TP-28

Tgt Ion: 98 Resp: 614930

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.4	77.0

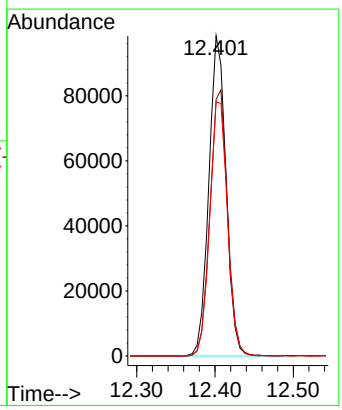


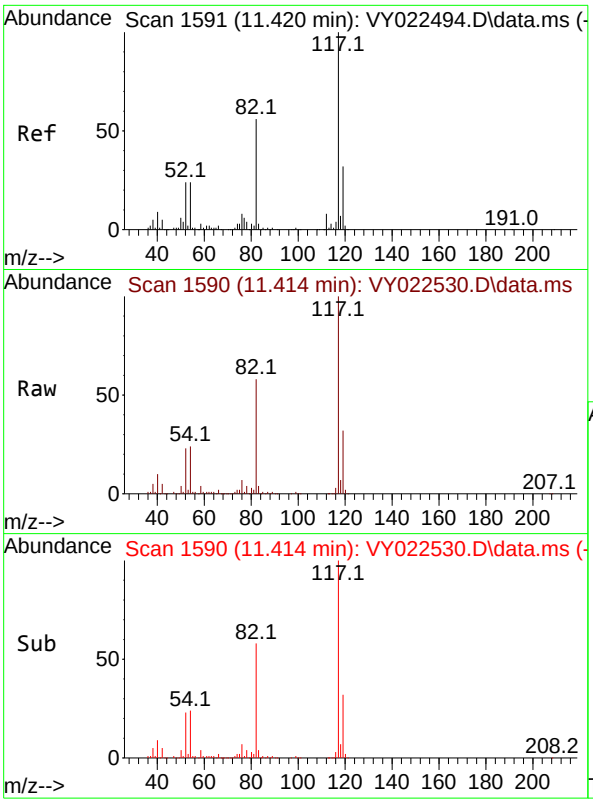


#62
4-Bromofluorobenzene
Concen: 40.770 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022530.D
Acq: 03 Jun 2025 18:09

Tgt Ion: 95 Resp: 149582

Ion	Ratio	Lower	Upper
95	100		
174	85.1	0.0	170.0
176	82.0	0.0	166.2



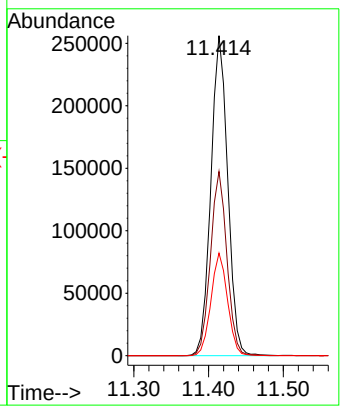


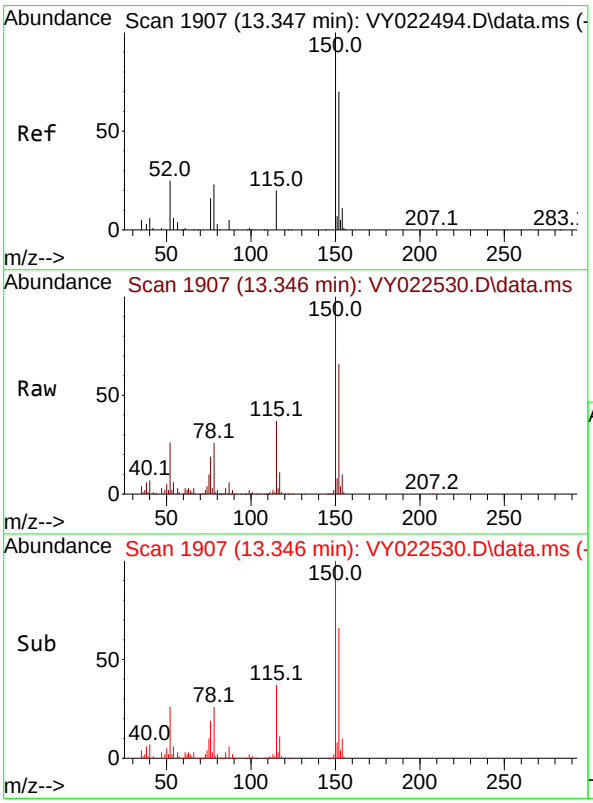
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022530.D
Acq: 03 Jun 2025 18:09

Instrument :
MSVOA_Y
ClientSampleId :
TP-28

Tgt Ion:117 Resp: 400841

Ion	Ratio	Lower	Upper
117	100		
82	57.5	44.6	66.8
119	32.1	25.4	38.0

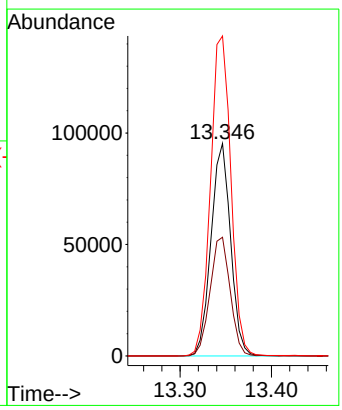




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022530.D
Acq: 03 Jun 2025 18:09

Tgt Ion:152 Resp: 141621

Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.9	86.7
150	157.6	0.0	349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022530.D
Acq On : 03 Jun 2025 18:09
Operator : SY/MD
Sample : Q2176-05
Misc : 5.85g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-28

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: VY022530.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	rBV2	9256	22469	1.35%	0.276%
2	2.482	118	125	135	rBV4	13964	48405	2.90%	0.595%
3	4.610	460	474	486	rBV2	12516	44083	2.64%	0.542%
4	7.634	957	970	975	rBV	211679	512279	30.67%	6.295%
5	7.707	975	982	995	rVB	383013	877470	52.54%	10.782%
6	8.061	1029	1040	1052	rBV	193080	447412	26.79%	5.498%
7	8.609	1121	1130	1148	rBV	611638	1220164	73.06%	14.993%
8	10.103	1367	1375	1383	rBV	1017219	1670073	100.00%	20.521%
9	11.414	1580	1590	1605	rBV	838377	1319183	78.99%	16.209%
10	12.401	1745	1752	1764	rBV	556205	904000	54.13%	11.108%
11	13.346	1896	1907	1916	rBV	606208	944175	56.53%	11.602%
12	13.883	1989	1995	2002	rBV2	80166	128628	7.70%	1.581%

Sum of corrected areas: 8138341

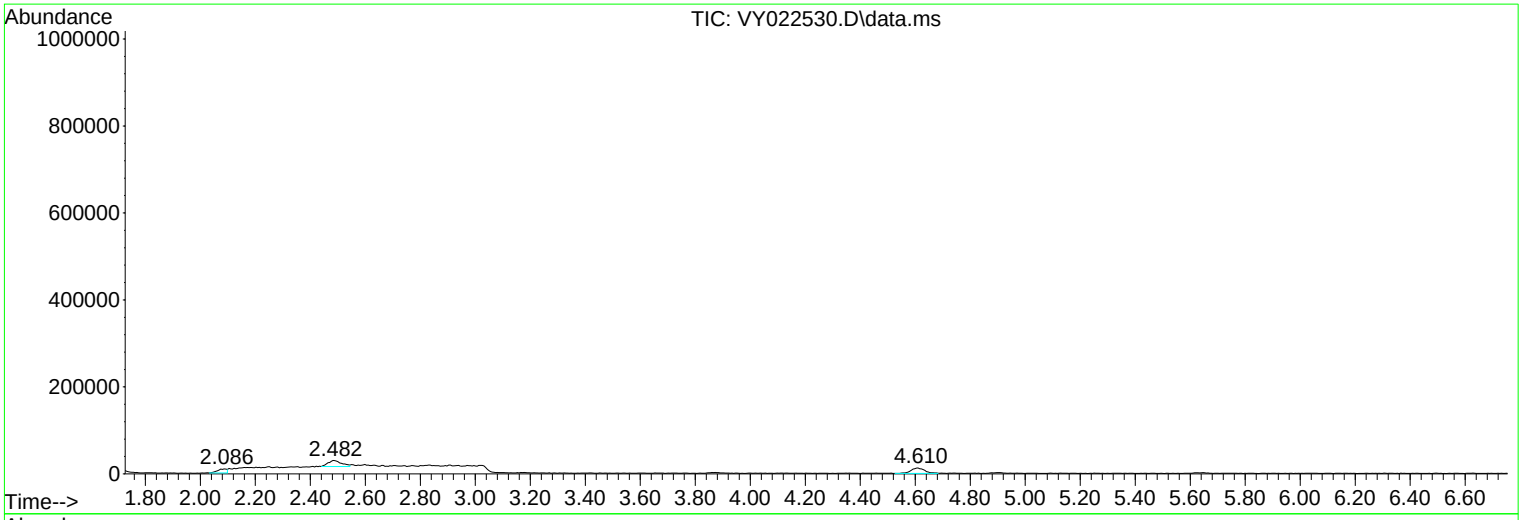
Sample Results: **VY022530.D**

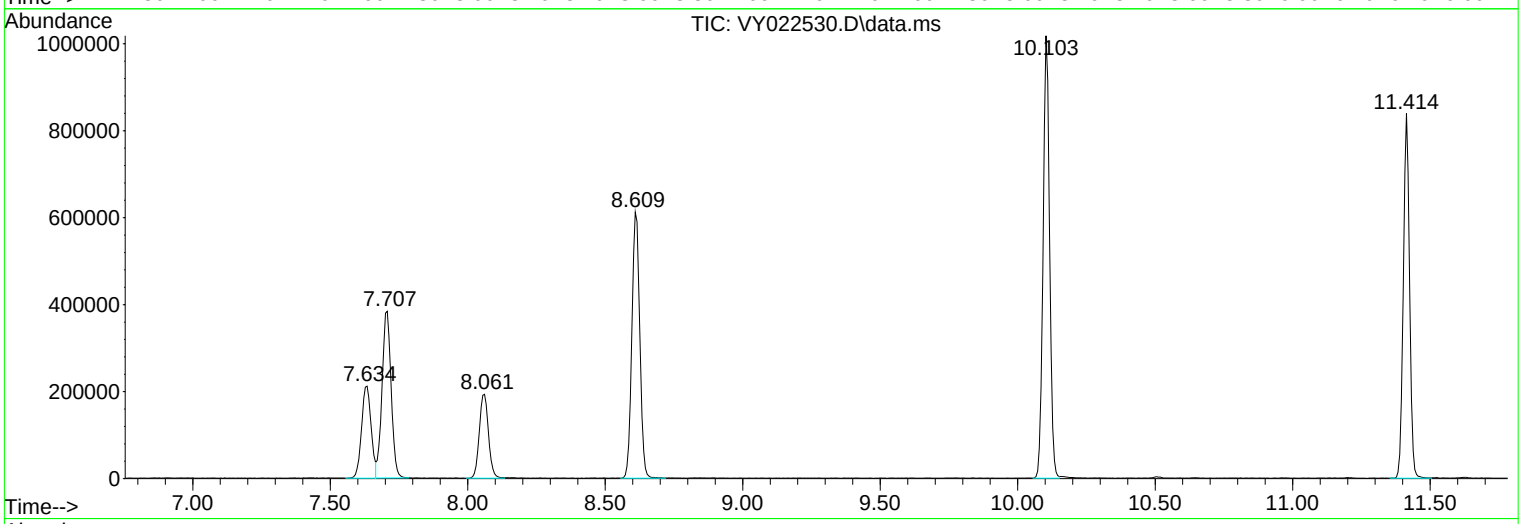
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022530.D
Acq On : 03 Jun 2025 18:09
Operator : SY/MD
Sample : Q2176-05
Misc : 5.85g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

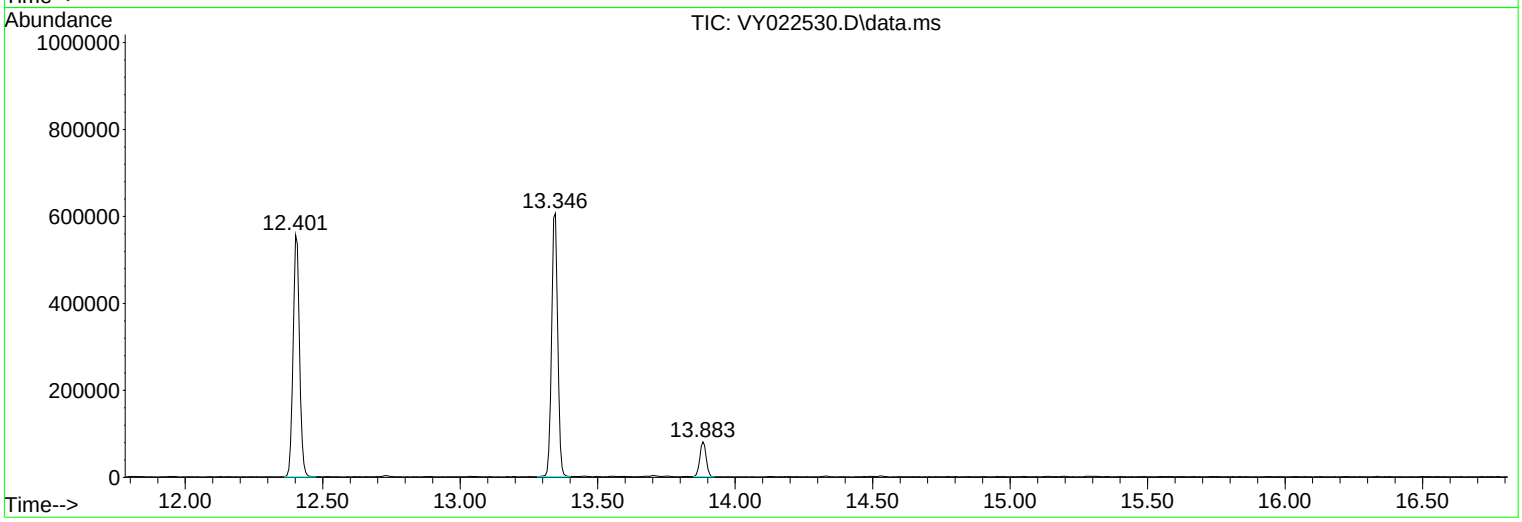
Instrument :
MSVOA_Y
ClientSampleId :
TP-28

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\VY060325\
Data File : VY022530.D
Acq On : 03 Jun 2025 18:09
Operator : SY/MD
Sample : Q2176-05
Misc : 5.85g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-28

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\VY060325\
Data File : VY022530.D
Acq On : 03 Jun 2025 18:09
Operator : SY/MD
Sample : Q2176-05
Misc : 5.85g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-28

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\VY060325\
Data File : VY022531.D
Acq On : 03 Jun 2025 18:32
Operator : SY/MD
Sample : Q2176-06
Misc : 6.48g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-27

Quant Time: Jun 04 04:16:54 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

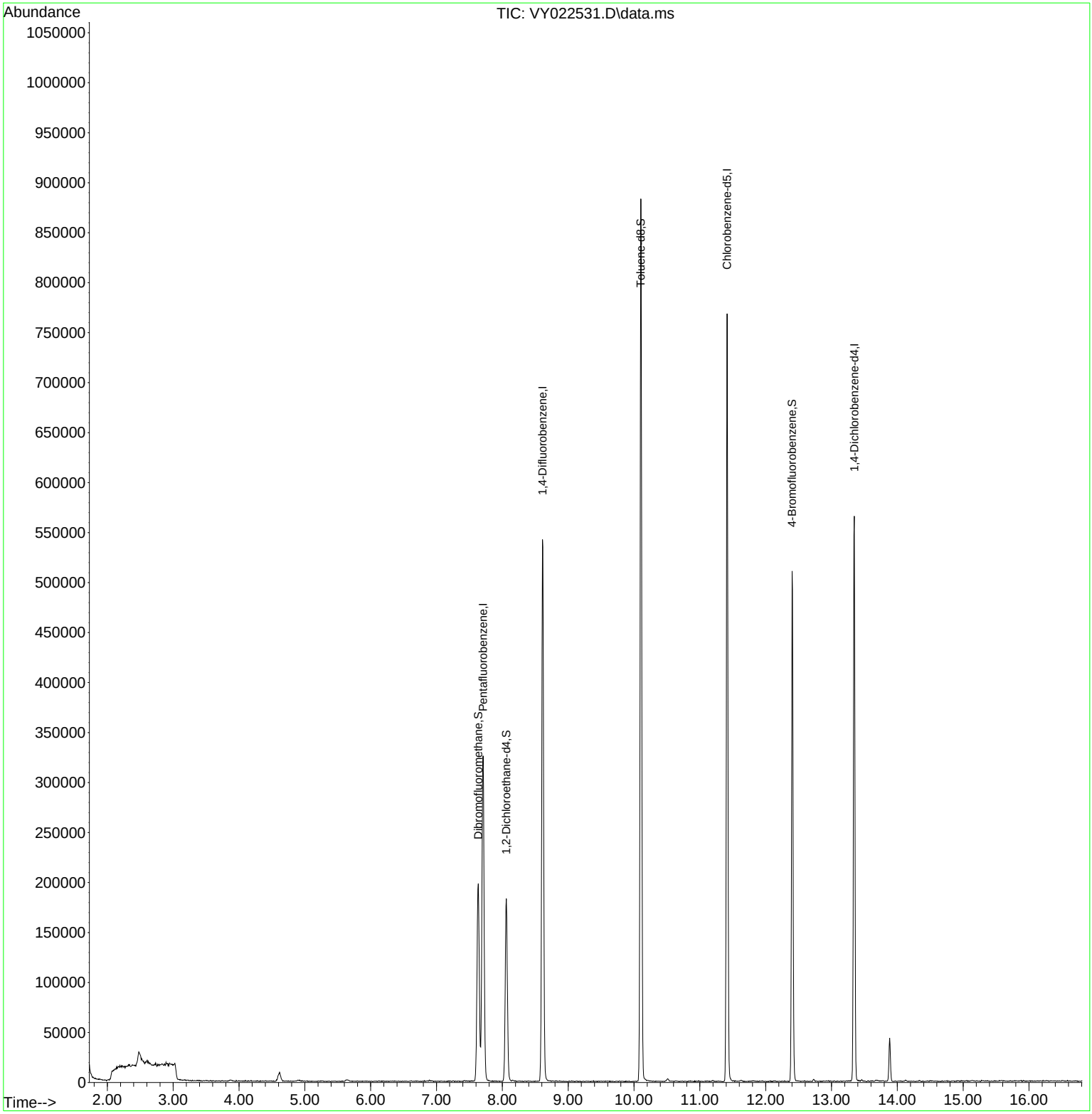
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	244909	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	453751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	362219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	131513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137676	50.262	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.520%			
35) Dibromofluoromethane	7.634	113	137051	50.603	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.200%			
50) Toluene-d8	10.103	98	544497	49.755	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.520%			
62) 4-Bromofluorobenzene	12.401	95	137400	42.140	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.280%			
Target Compounds						Qvalue

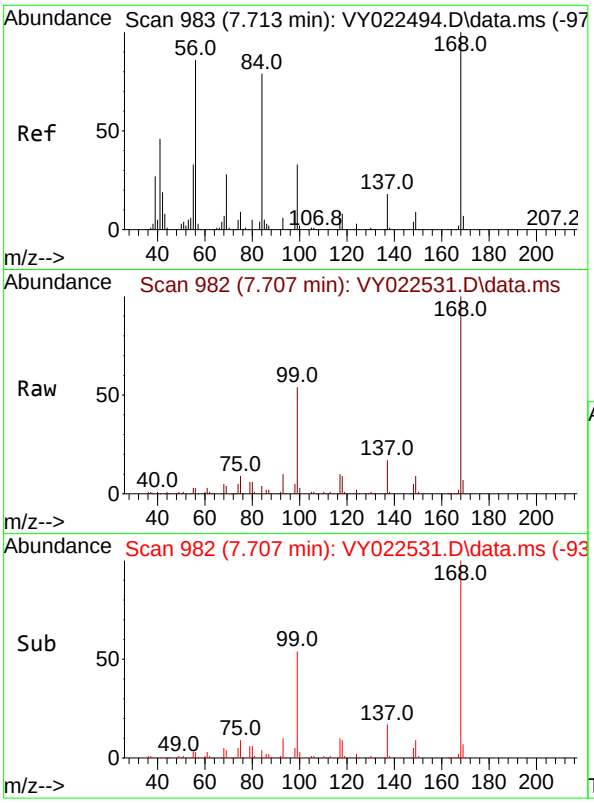
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022531.D
Acq On : 03 Jun 2025 18:32
Operator : SY/MD
Sample : Q2176-06
Misc : 6.48g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-27

Quant Time: Jun 04 04:16:54 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



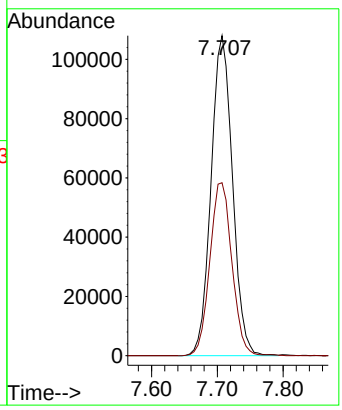


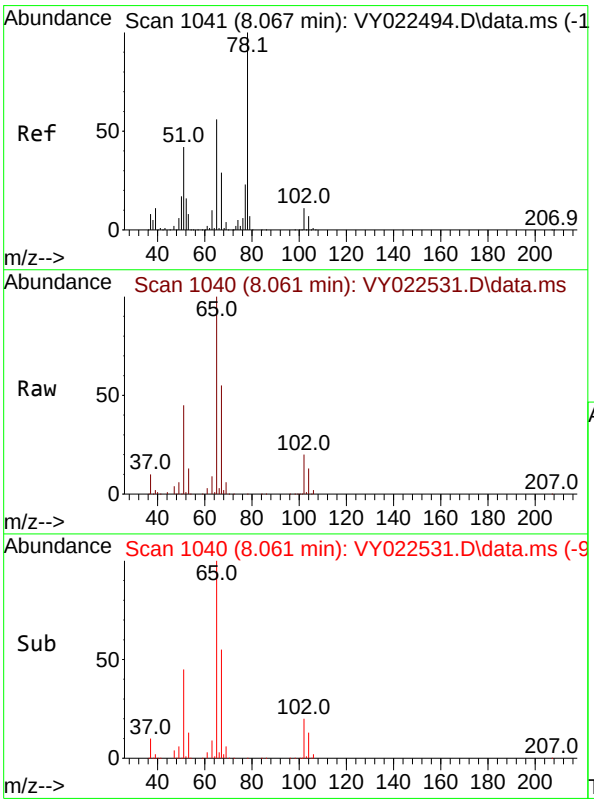
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022531.D
Acq: 03 Jun 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
TP-27

Tgt Ion:168 Resp: 244909

Ion	Ratio	Lower	Upper
168	100		
99	54.1	44.3	66.5

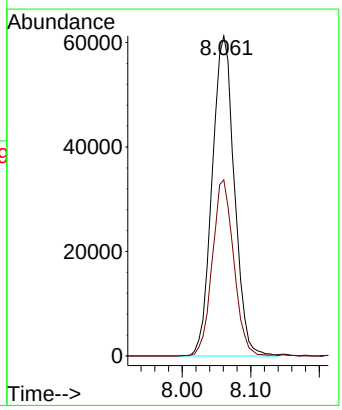


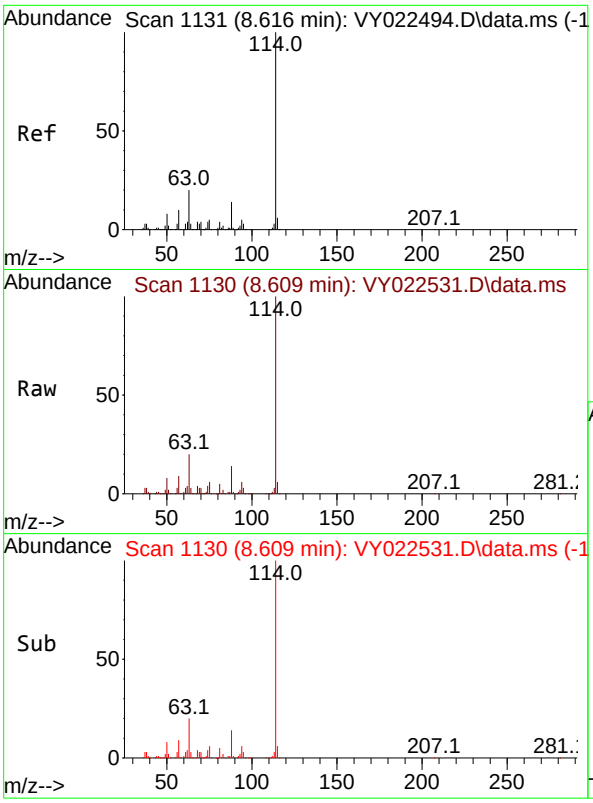


#33
1,2-Dichloroethane-d4
Concen: 50.262 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022531.D
Acq: 03 Jun 2025 18:32

Tgt Ion: 65 Resp: 137676

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	103.4



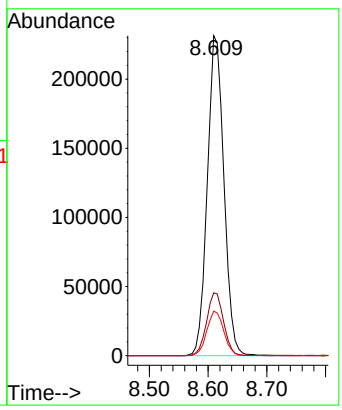


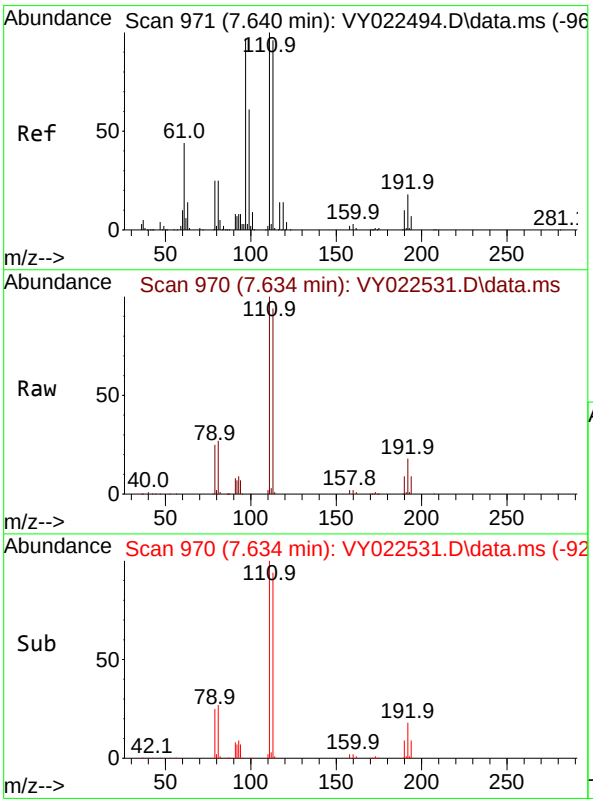
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022531.D
Acq: 03 Jun 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
TP-27

Tgt Ion:114 Resp: 453751

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.8
88	13.9	0.0	27.8

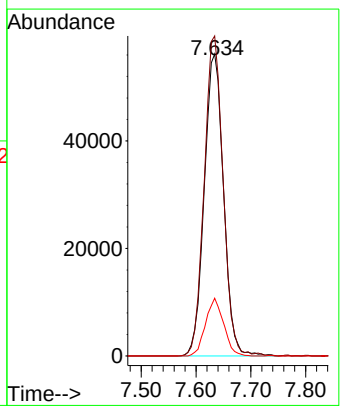


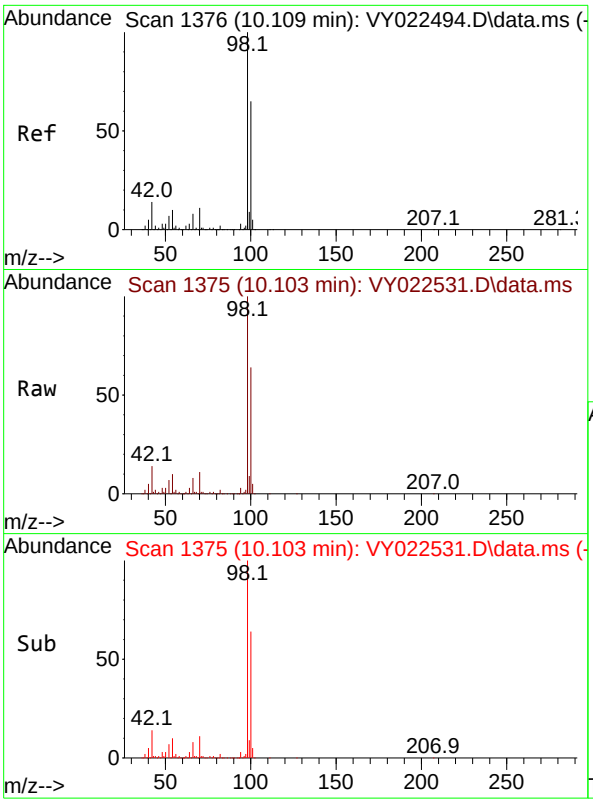


#35
Dibromofluoromethane
Concen: 50.603 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022531.D
Acq: 03 Jun 2025 18:32

Tgt Ion:113 Resp: 137051

Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.1	121.7
192	18.0	14.2	21.2



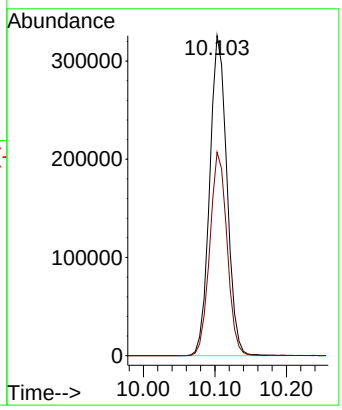


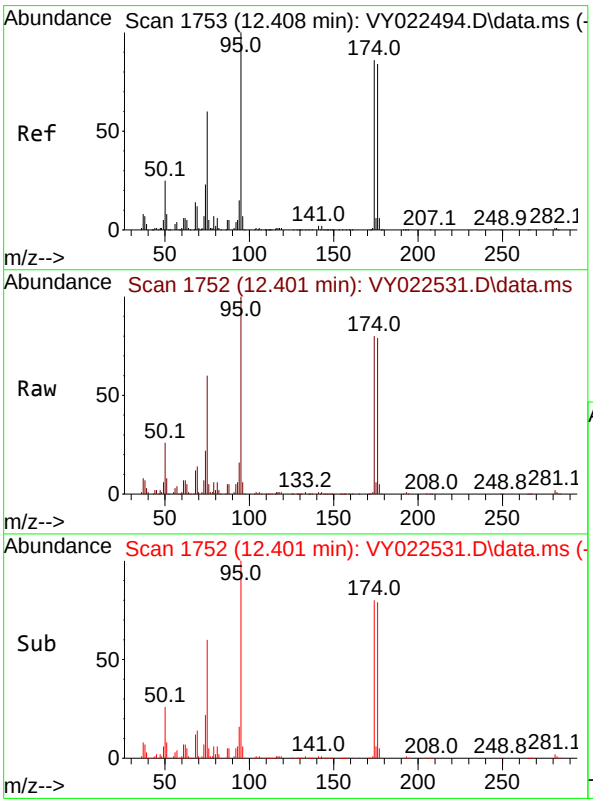
#50
Toluene-d8
Concen: 49.755 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022531.D
Acq: 03 Jun 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
TP-27

Tgt Ion: 98 Resp: 544497

Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.4	77.0

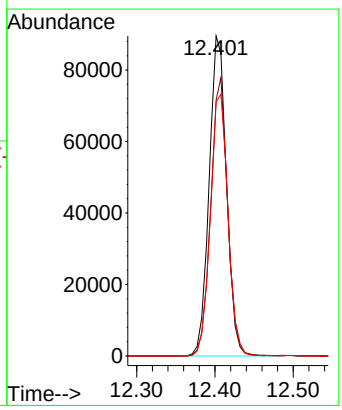


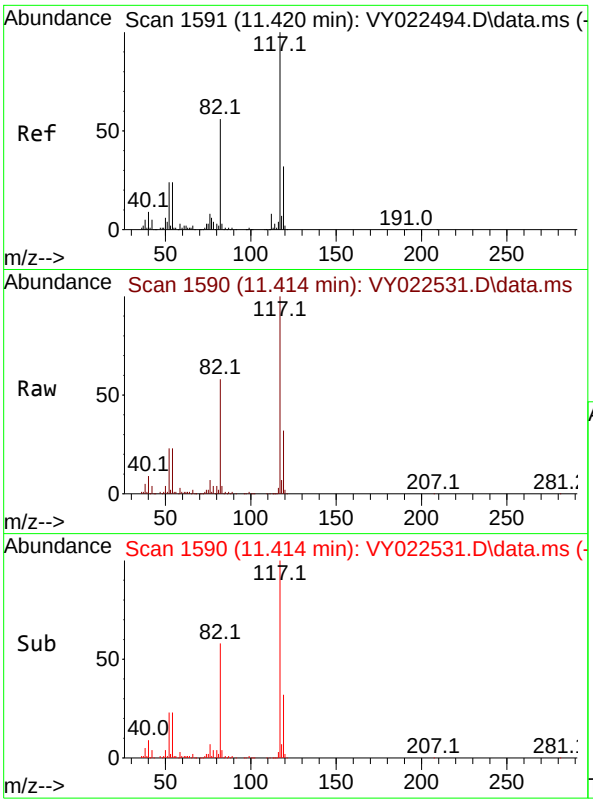


#62
4-Bromofluorobenzene
Concen: 42.140 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022531.D
Acq: 03 Jun 2025 18:32

Tgt Ion: 95 Resp: 137400

Ion	Ratio	Lower	Upper
95	100		
174	84.9	0.0	170.0
176	82.9	0.0	166.2



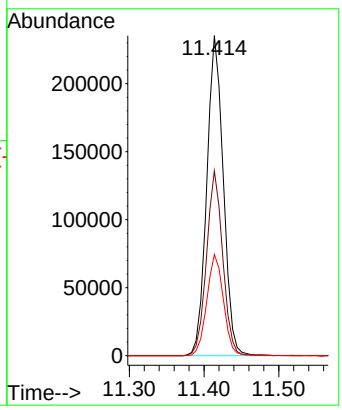


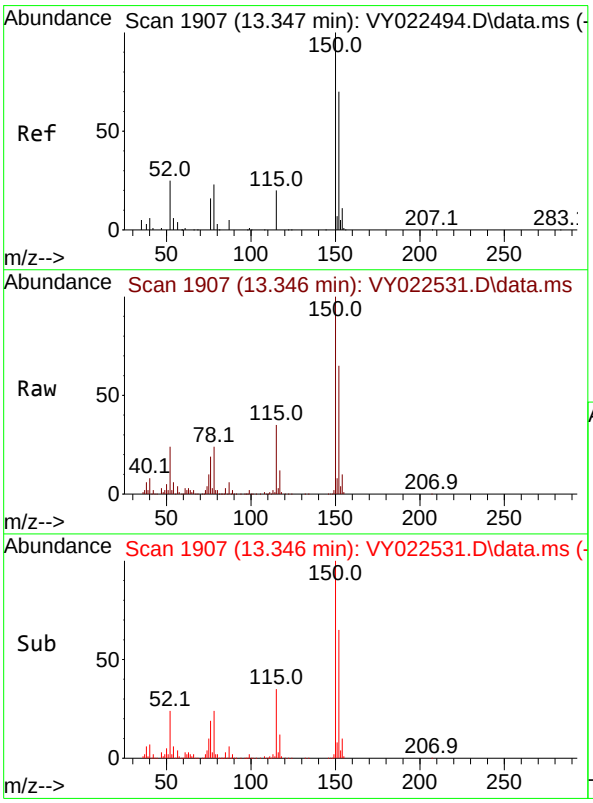
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022531.D
Acq: 03 Jun 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
TP-27

Tgt Ion:117 Resp: 362219

Ion	Ratio	Lower	Upper
117	100		
82	57.7	44.6	66.8
119	31.6	25.4	38.0

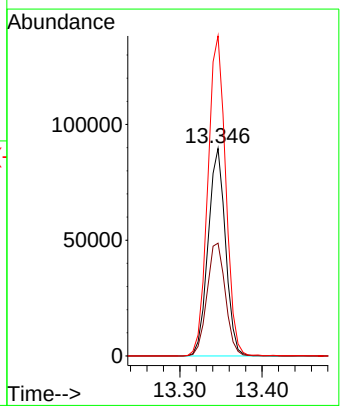




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022531.D
Acq: 03 Jun 2025 18:32

Tgt Ion:152 Resp: 131513

Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.9	86.7
150	158.3	0.0	349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022531.D
Acq On : 03 Jun 2025 18:32
Operator : SY/MD
Sample : Q2176-06
Misc : 6.48g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-27

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: VY022531.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	50	58	59	rBV2	9210	15903	1.08%	0.221%
2	2.476	120	124	130	rBV3	9710	22404	1.52%	0.311%
3	4.616	468	475	483	rVB6	8886	24116	1.63%	0.335%
4	7.634	958	970	976	rBV	197647	481233	32.56%	6.683%
5	7.707	976	982	993	rVB	324768	740676	50.11%	10.287%
6	8.061	1030	1040	1053	rBV2	182748	412966	27.94%	5.735%
7	8.609	1121	1130	1143	rBV	541674	1077233	72.89%	14.961%
8	10.103	1368	1375	1389	rBV	882334	1477982	100.00%	20.526%
9	11.414	1582	1590	1603	rBV	767898	1195374	80.88%	16.601%
10	12.401	1744	1752	1761	rBV	510805	811496	54.91%	11.270%
11	13.346	1898	1907	1916	rBV	565179	872207	59.01%	12.113%
12	13.883	1986	1995	2004	rVB	43520	68858	4.66%	0.956%

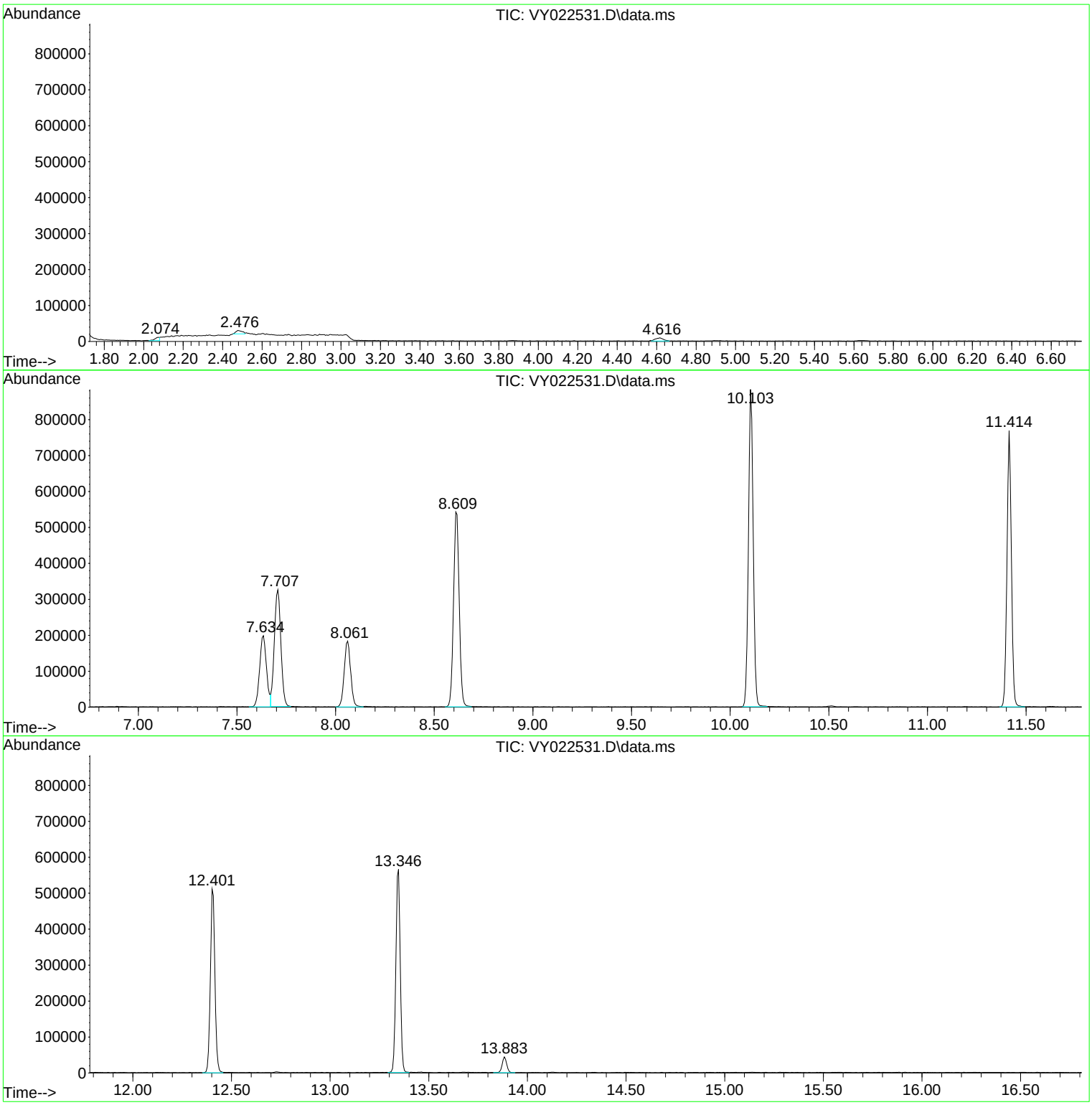
Sum of corrected areas: 7200448

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022531.D
Acq On : 03 Jun 2025 18:32
Operator : SY/MD
Sample : Q2176-06
Misc : 6.48g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-27

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\VY060325\
Data File : VY022531.D
Acq On : 03 Jun 2025 18:32
Operator : SY/MD
Sample : Q2176-06
Misc : 6.48g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-27

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\VY060325\
Data File : VY022531.D
Acq On : 03 Jun 2025 18:32
Operator : SY/MD
Sample : Q2176-06
Misc : 6.48g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-27

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\VY060325\
Data File : VY022532.D
Acq On : 03 Jun 2025 18:56
Operator : SY/MD
Sample : Q2176-07
Misc : 5.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-31

Quant Time: Jun 04 04:17:16 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

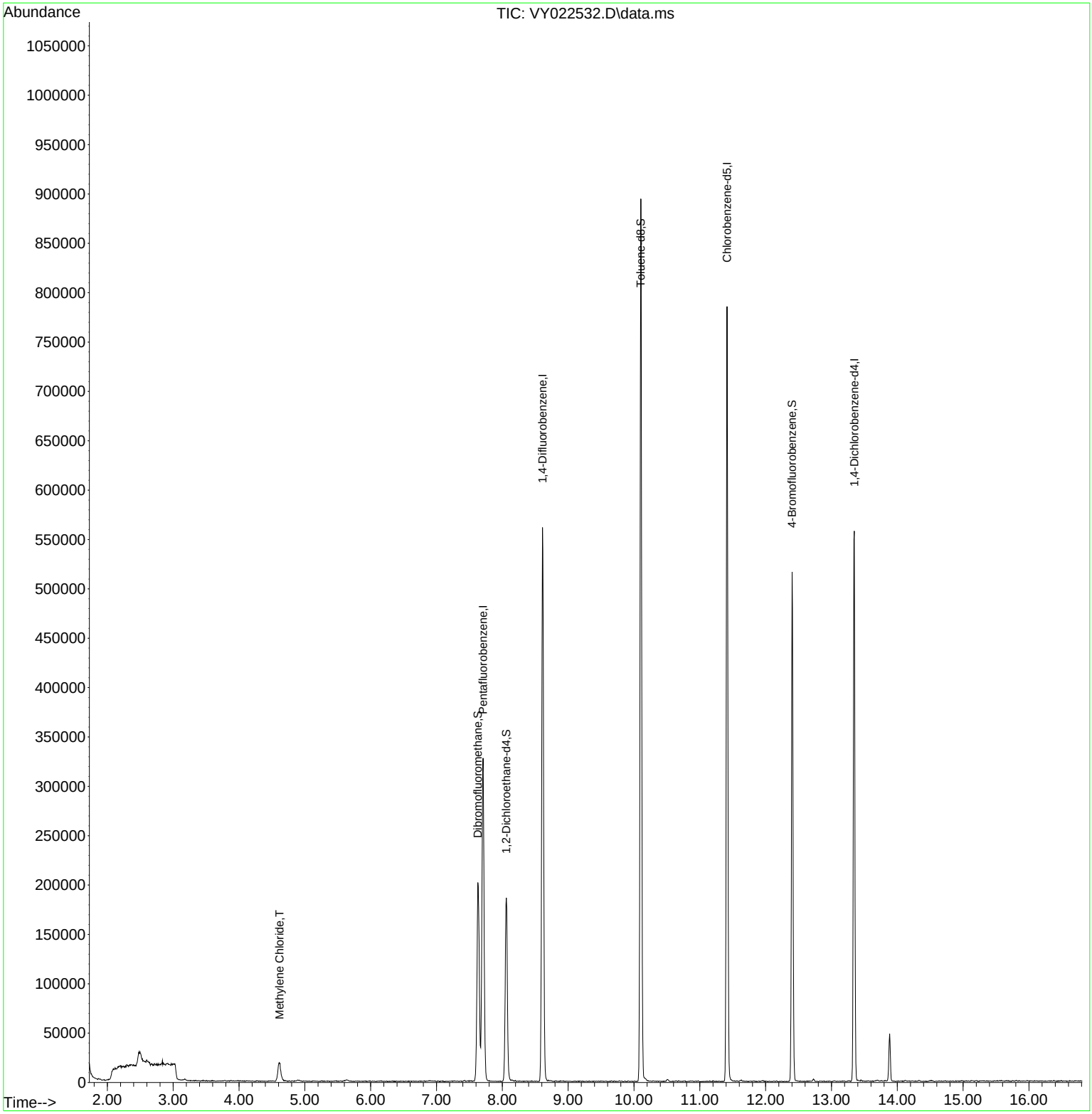
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	242608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	461777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	369180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	131849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	141185	52.032	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.060%			
35) Dibromofluoromethane	7.628	113	140282	50.896	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.800%			
50) Toluene-d8	10.103	98	553890	49.734	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.460%			
62) 4-Bromofluorobenzene	12.401	95	137293	41.375	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 82.740%			
Target Compounds						Qvalue
20) Methylene Chloride	4.616	84	13883	4.435	ug/l	93

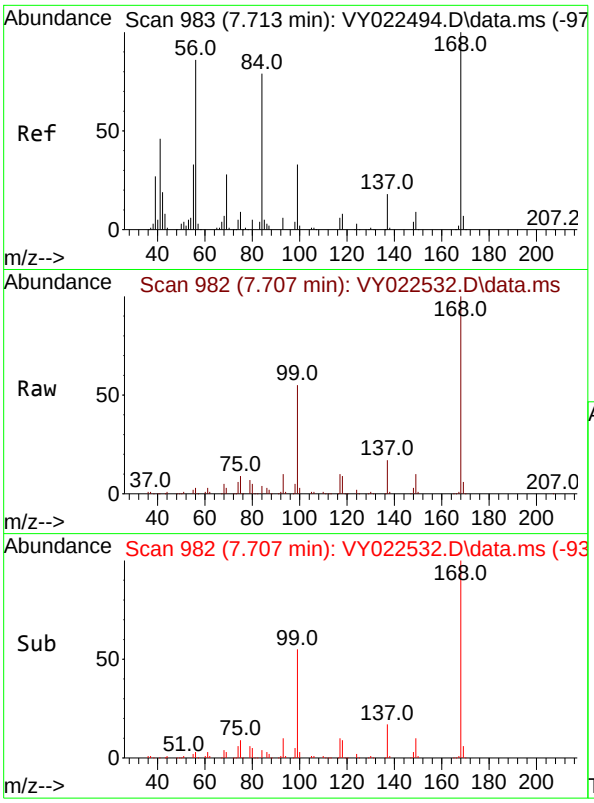
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022532.D
Acq On : 03 Jun 2025 18:56
Operator : SY/MD
Sample : Q2176-07
Misc : 5.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-31

Quant Time: Jun 04 04:17:16 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



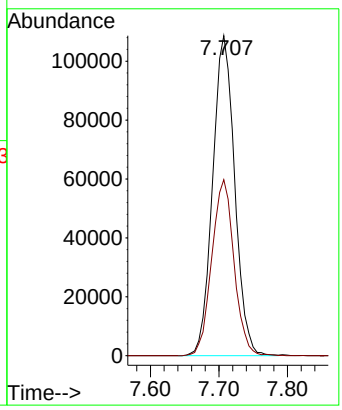


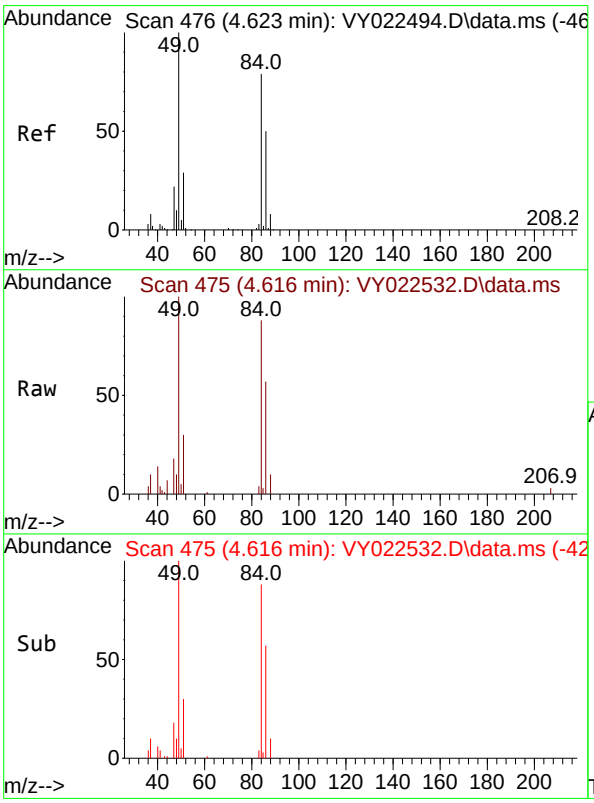
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022532.D
Acq: 03 Jun 2025 18:56

Instrument :
MSVOA_Y
ClientSampleId :
TP-31

Tgt Ion:168 Resp: 242608

Ion	Ratio	Lower	Upper
168	100		
99	55.0	44.3	66.5

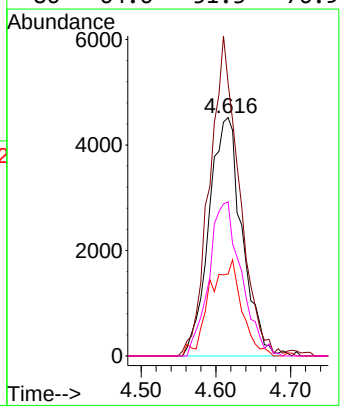


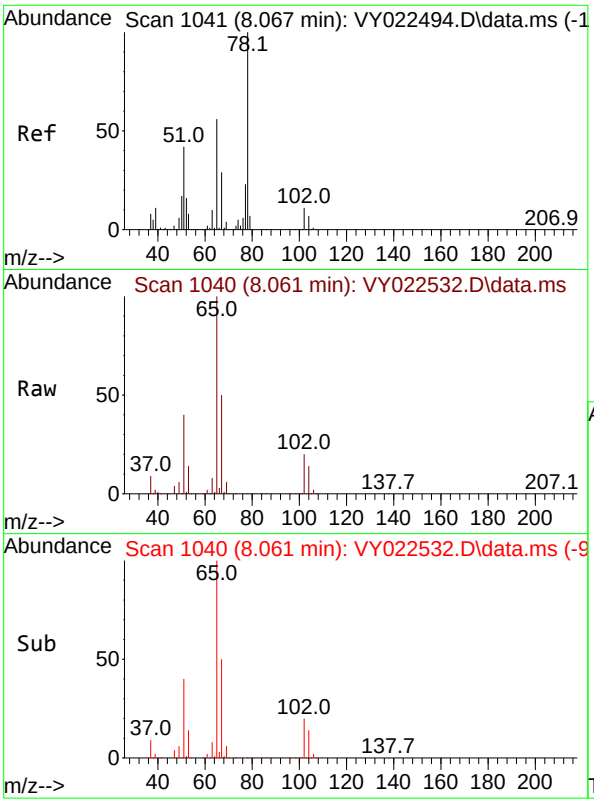


#20
Methylene Chloride
Concen: 4.435 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022532.D
Acq: 03 Jun 2025 18:56

Tgt Ion: 84 Resp: 13883

Ion	Ratio	Lower	Upper
84	100		
49	114.2	101.9	152.9
51	34.4	29.8	44.8
86	64.6	51.3	76.9



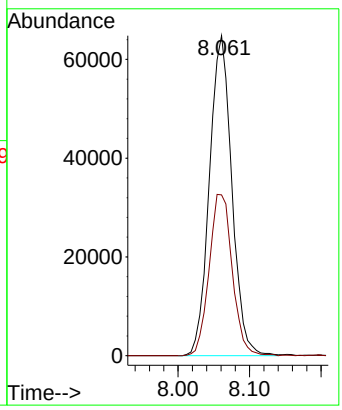


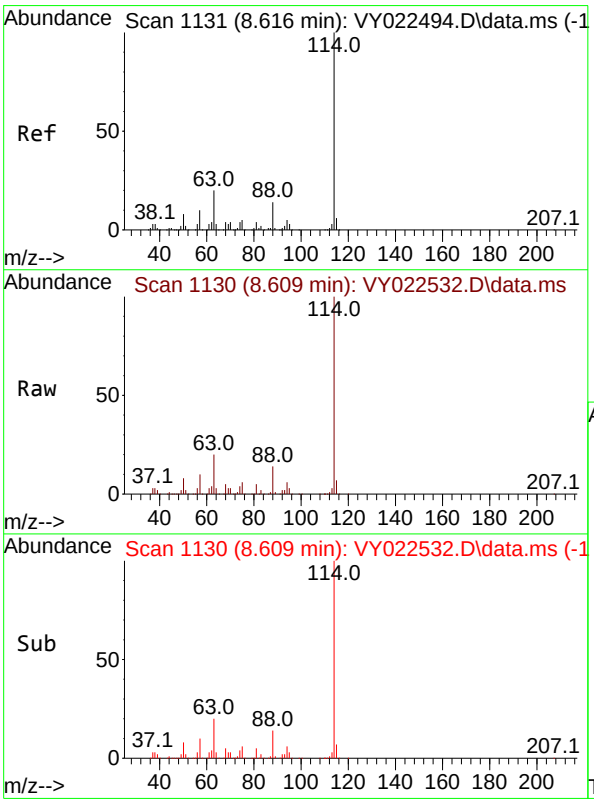
#33
1,2-Dichloroethane-d4
Concen: 52.032 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022532.D
Acq: 03 Jun 2025 18:56

Instrument :
MSVOA_Y
ClientSampleId :
TP-31

Tgt Ion: 65 Resp: 141185

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.4

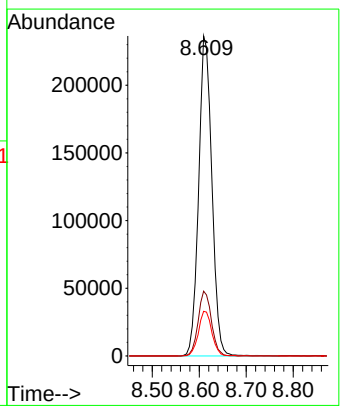


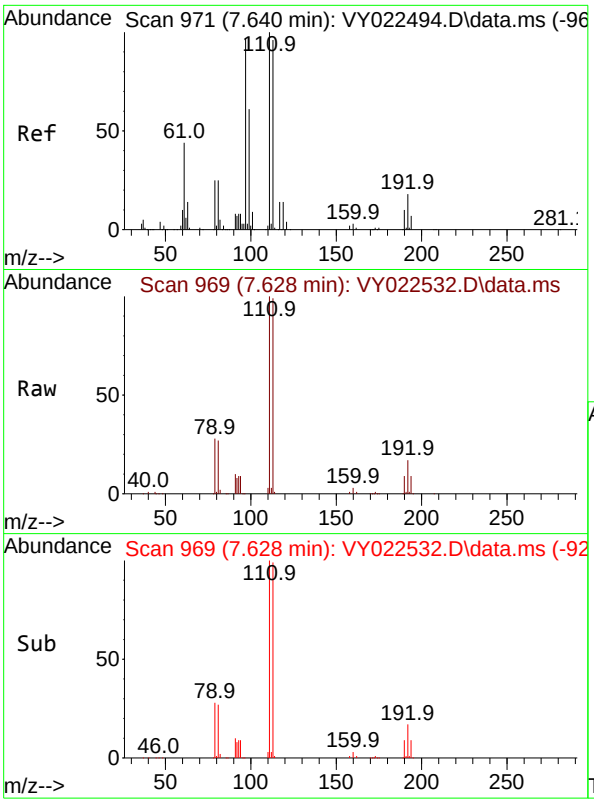


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022532.D
Acq: 03 Jun 2025 18:56

Tgt Ion:114 Resp: 461777

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.8
88	14.0	0.0	27.8



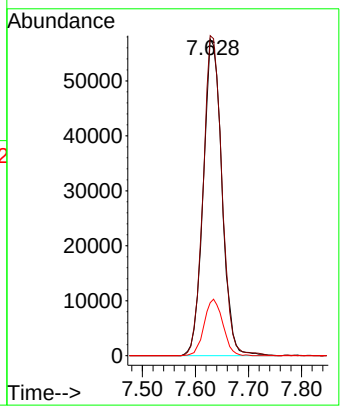


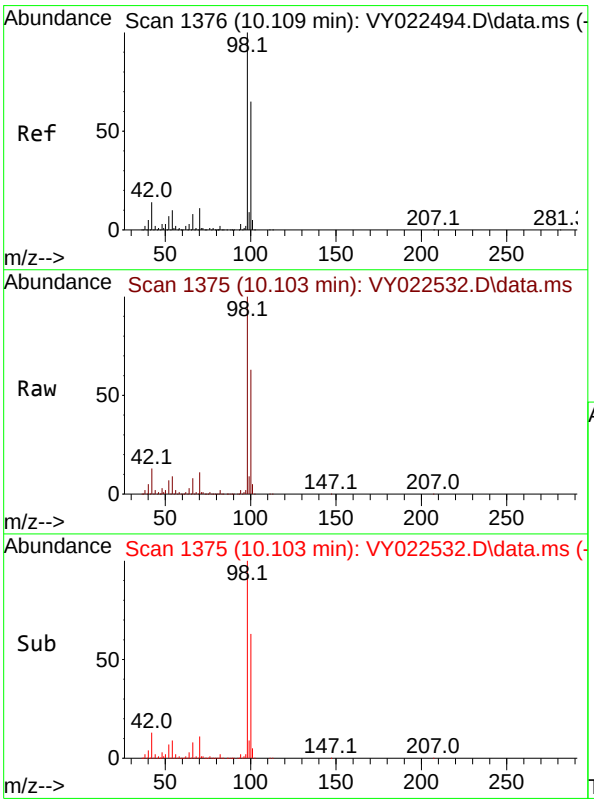
#35
Dibromofluoromethane
Concen: 50.896 ug/l
RT: 7.628 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022532.D
Acq: 03 Jun 2025 18:56

Instrument :
MSVOA_Y
ClientSampleId :
TP-31

Tgt Ion:113 Resp: 140282

Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.1	121.7
192	18.0	14.2	21.2

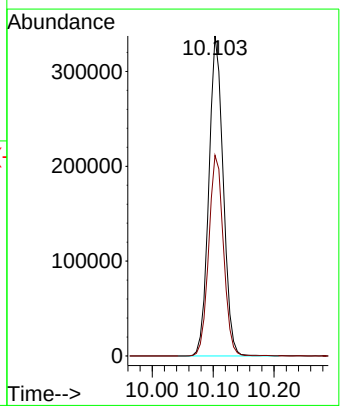


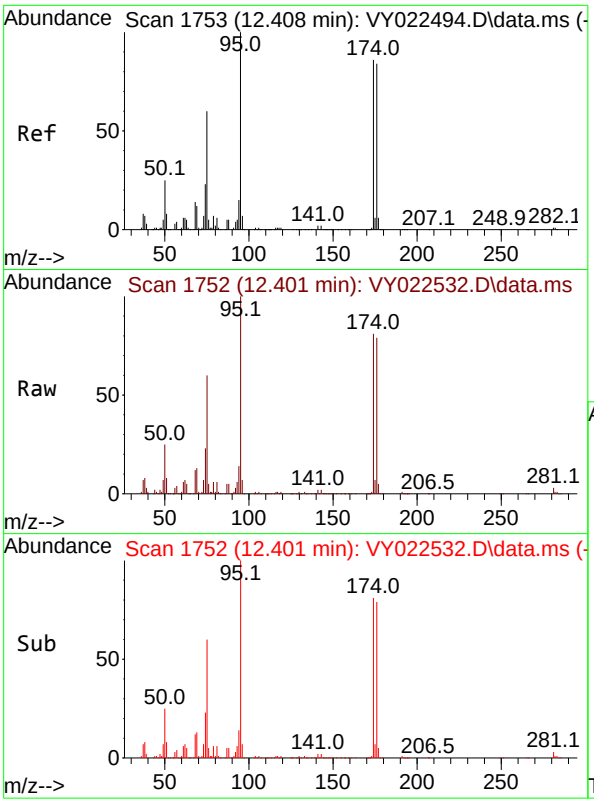


#50
Toluene-d8
Concen: 49.734 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022532.D
Acq: 03 Jun 2025 18:56

Tgt Ion: 98 Resp: 553890

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.4	77.0



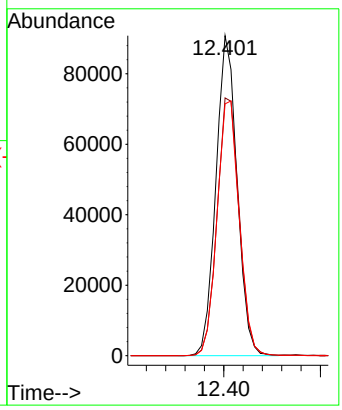


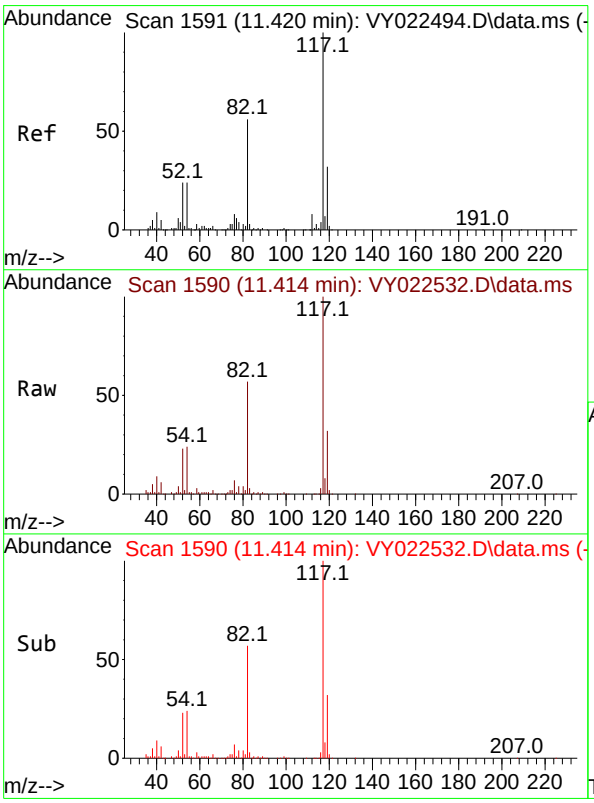
#62
4-Bromofluorobenzene
Concen: 41.375 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022532.D
Acq: 03 Jun 2025 18:56

Instrument :
MSVOA_Y
ClientSampleId :
TP-31

Tgt Ion: 95 Resp: 137293

Ion	Ratio	Lower	Upper
95	100		
174	84.8	0.0	170.0
176	83.8	0.0	166.2

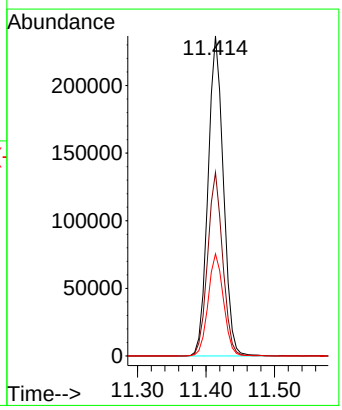


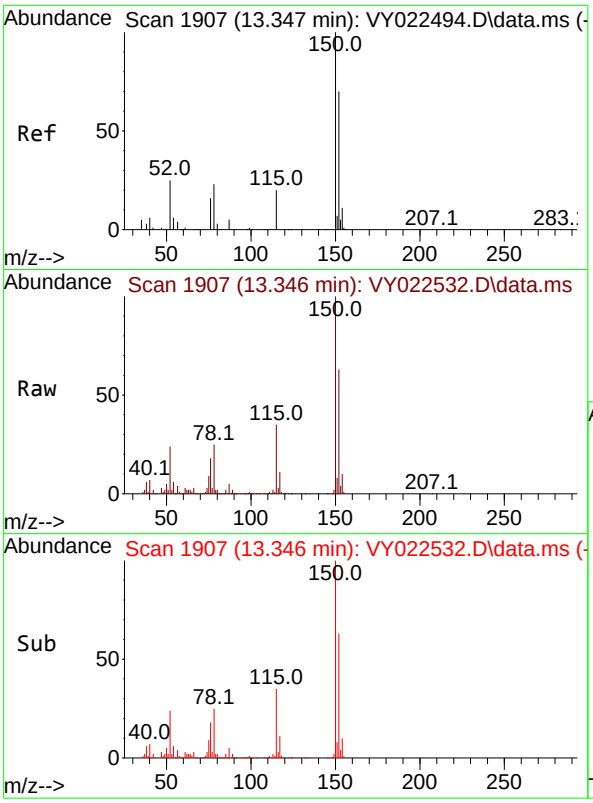


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022532.D
Acq: 03 Jun 2025 18:56

Tgt Ion:117 Resp: 369180

Ion	Ratio	Lower	Upper
117	100		
82	57.3	44.6	66.8
119	31.9	25.4	38.0



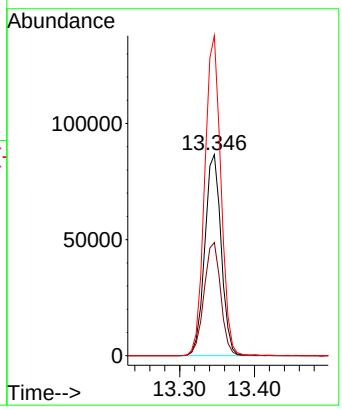


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022532.D
Acq: 03 Jun 2025 18:56

Instrument :
MSVOA_Y
ClientSampleId :
TP-31

Tgt Ion:152 Resp: 131849

Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.9	86.7
150	157.2	0.0	349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022532.D
Acq On : 03 Jun 2025 18:56
Operator : SY/MD
Sample : Q2176-07
Misc : 5.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-31

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: VY022532.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.092	51	61	62	rBV2	11044	25508	1.70%	0.348%
2	4.610	464	474	487	rBV2	19080	62143	4.14%	0.848%
3	7.628	960	969	976	rBV	201111	490184	32.62%	6.689%
4	7.707	976	982	995	rVB	326930	734652	48.89%	10.024%
5	8.061	1030	1040	1052	rBV	185986	422924	28.14%	5.771%
6	8.609	1122	1130	1143	rBV	560903	1100776	73.25%	15.020%
7	10.103	1367	1375	1384	rBV	893955	1502741	100.00%	20.505%
8	11.414	1582	1590	1605	rBV	784984	1224138	81.46%	16.703%
9	12.401	1744	1752	1761	rBV	516070	819745	54.55%	11.185%
10	13.346	1899	1907	1914	rBV	557485	871402	57.99%	11.890%
11	13.883	1987	1995	2001	rBV	47696	74473	4.96%	1.016%

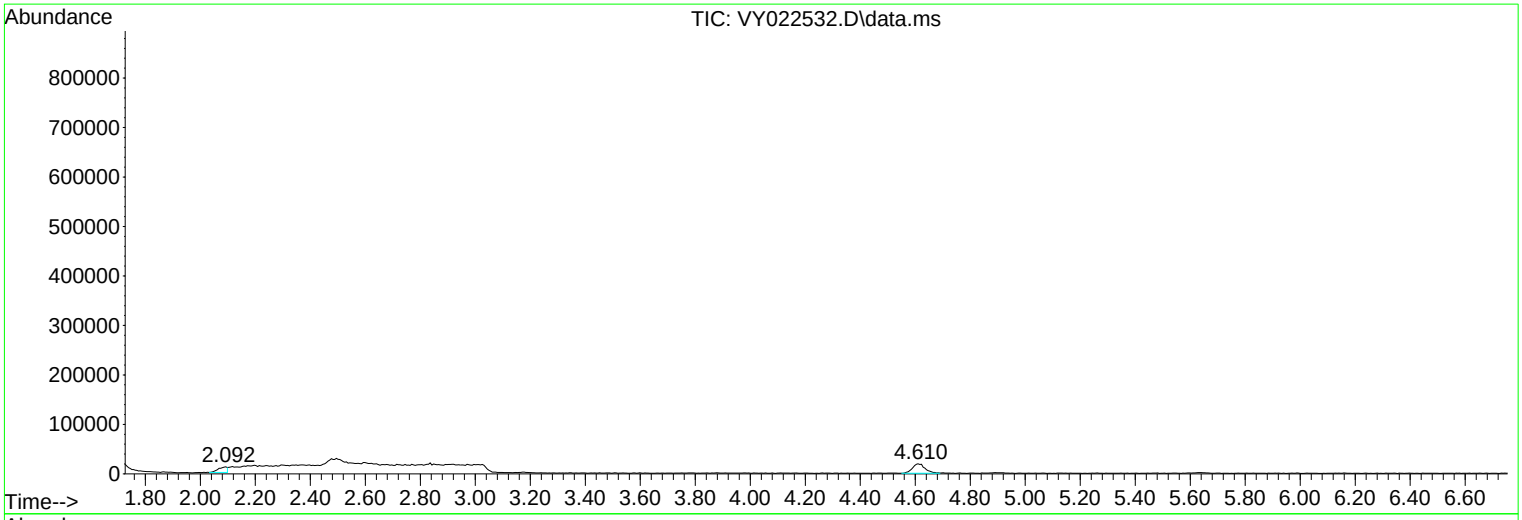
Sum of corrected areas: 7328686

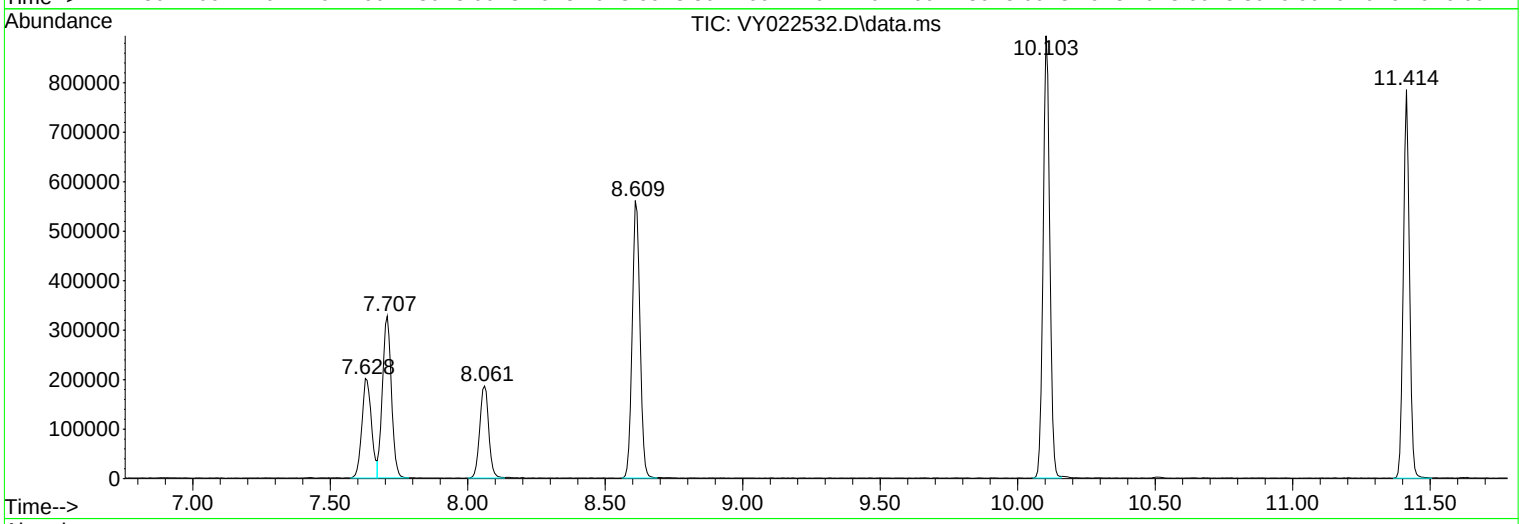
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022532.D
Acq On : 03 Jun 2025 18:56
Operator : SY/MD
Sample : Q2176-07
Misc : 5.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

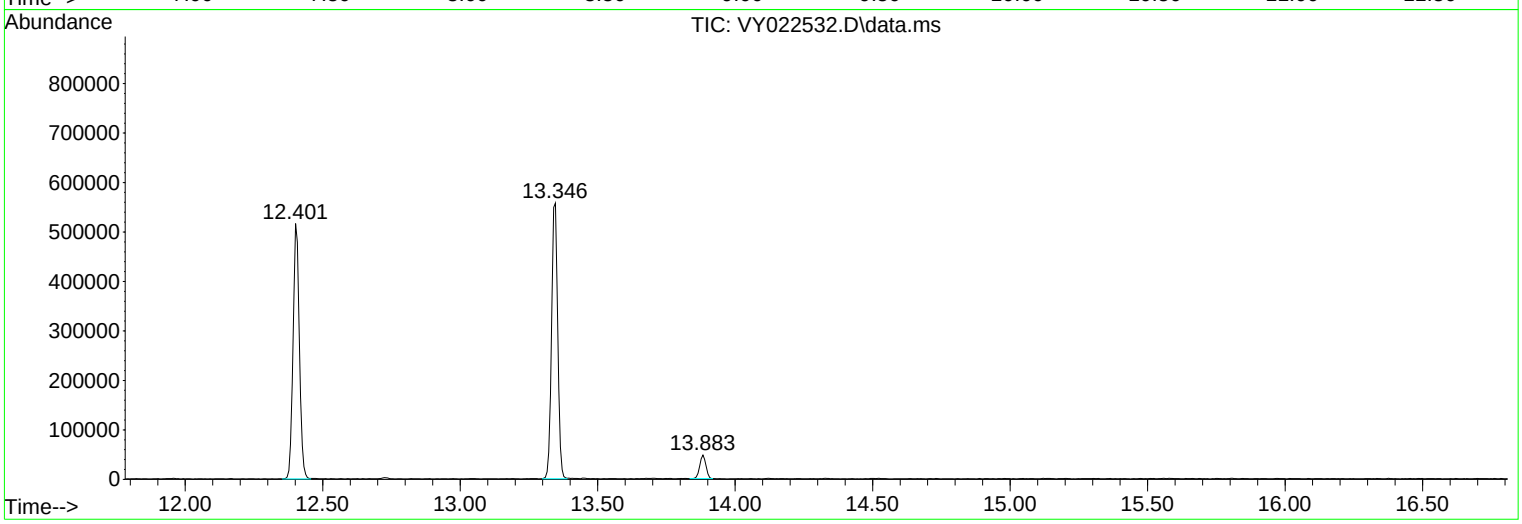
Instrument :
MSVOA_Y
ClientSampleId :
TP-31

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\VY060325\
Data File : VY022532.D
Acq On : 03 Jun 2025 18:56
Operator : SY/MD
Sample : Q2176-07
Misc : 5.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-31

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\VY060325\
Data File : VY022532.D
Acq On : 03 Jun 2025 18:56
Operator : SY/MD
Sample : Q2176-07
Misc : 5.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-31

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\VY060325\
Data File : VY022533.D
Acq On : 03 Jun 2025 19:19
Operator : SY/MD
Sample : Q2176-08
Misc : 6.47g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-65

Quant Time: Jun 04 04:17:40 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

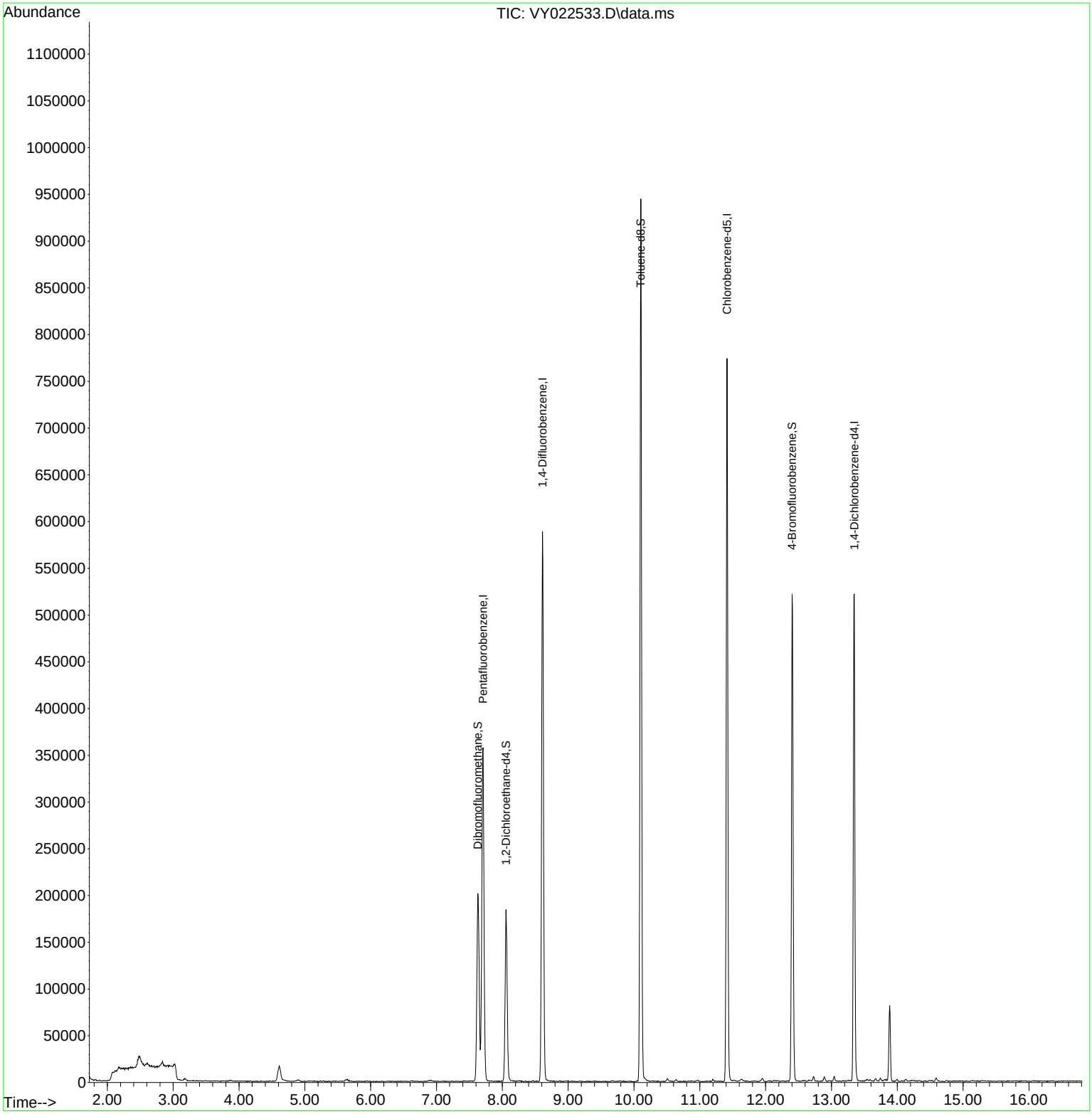
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	268630	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	484998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	368793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	123634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	133278	44.360	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 88.720%			
35) Dibromofluoromethane	7.628	113	138744	47.928	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.860%			
50) Toluene-d8	10.103	98	579788	49.567	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.140%			
62) 4-Bromofluorobenzene	12.401	95	133019	38.168	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 76.340%			
Target Compounds						Qvalue

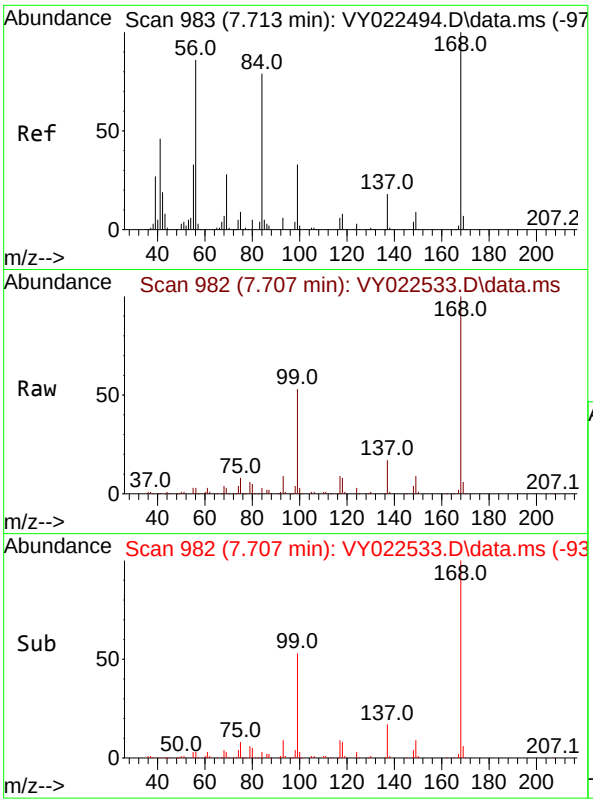
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022533.D
Acq On : 03 Jun 2025 19:19
Operator : SY/MD
Sample : Q2176-08
Misc : 6.47g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-65

Quant Time: Jun 04 04:17:40 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



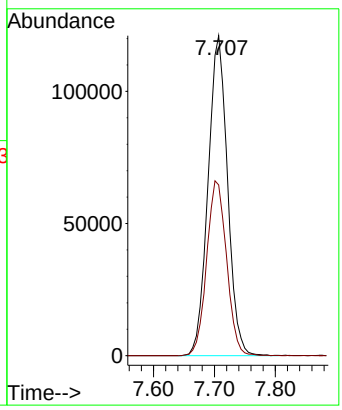


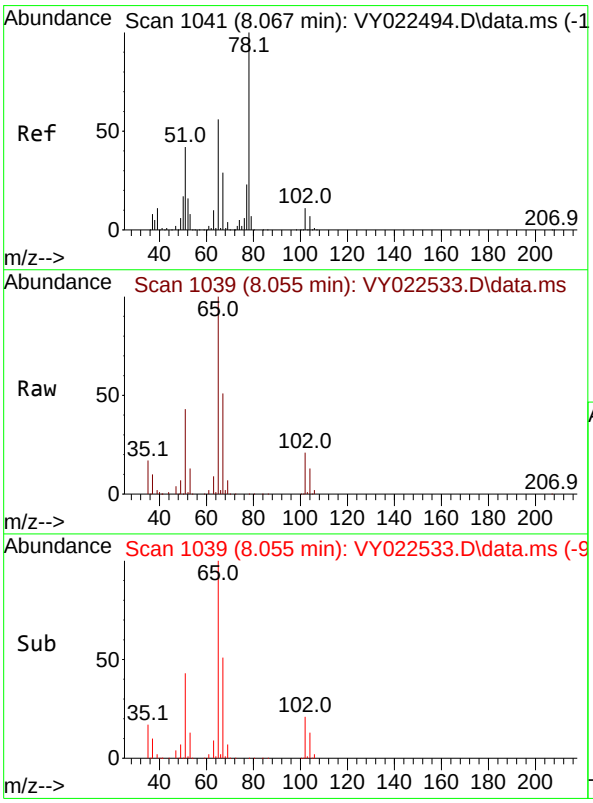
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022533.D
Acq: 03 Jun 2025 19:19

Instrument :
MSVOA_Y
ClientSampleId :
TP-65

Tgt Ion:168 Resp: 268630

Ion	Ratio	Lower	Upper
168	100		
99	53.3	44.3	66.5

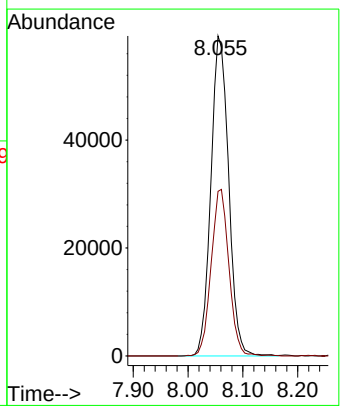


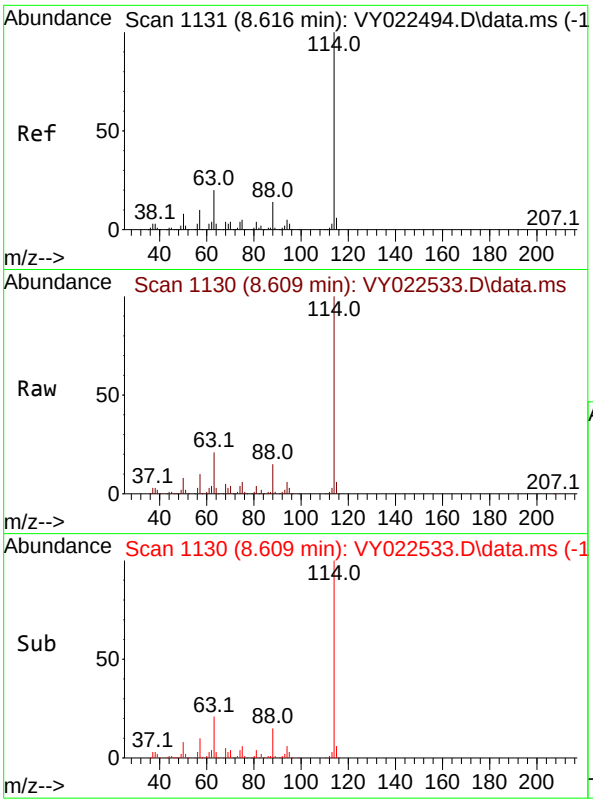


#33
1,2-Dichloroethane-d4
Concen: 44.360 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022533.D
Acq: 03 Jun 2025 19:19

Tgt Ion: 65 Resp: 133278

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.4



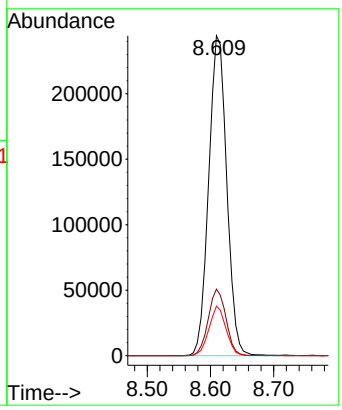


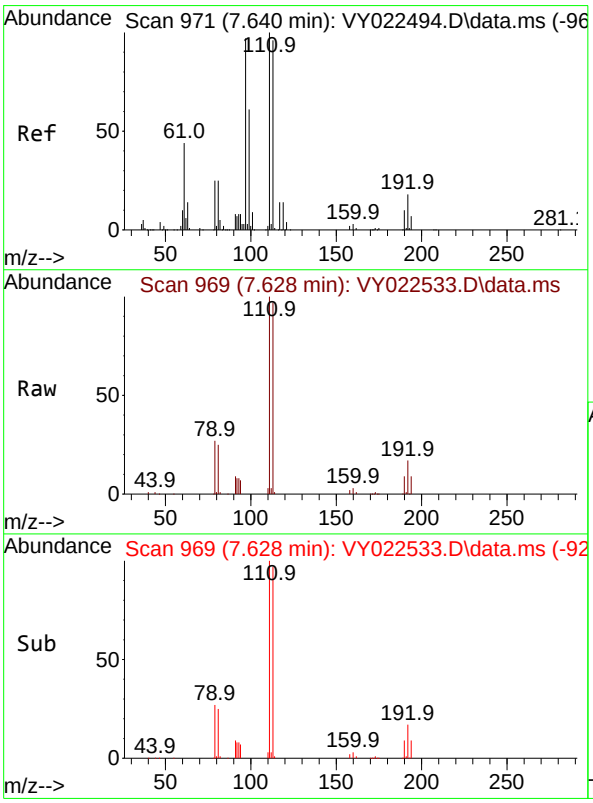
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022533.D
Acq: 03 Jun 2025 19:19

Instrument :
MSVOA_Y
ClientSampleId :
TP-65

Tgt Ion:114 Resp: 484998

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.8
88	15.5	0.0	27.8

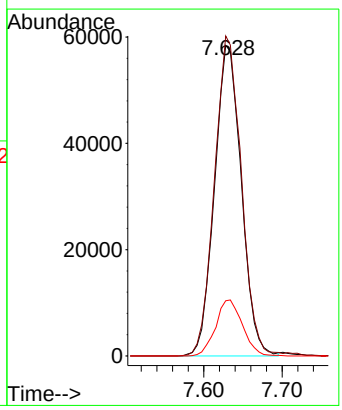


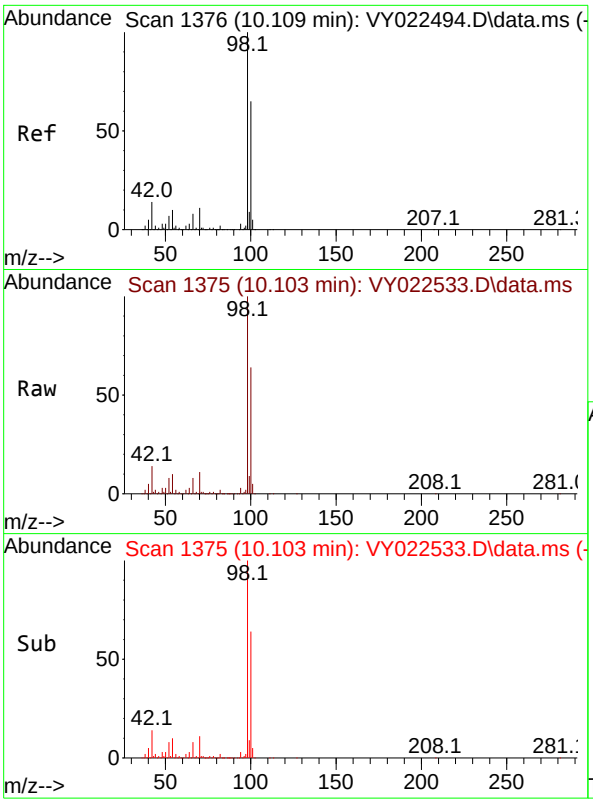


#35
Dibromofluoromethane
Concen: 47.928 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022533.D
Acq: 03 Jun 2025 19:19

Tgt Ion:113 Resp: 138744

Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.1	121.7
192	18.1	14.2	21.2



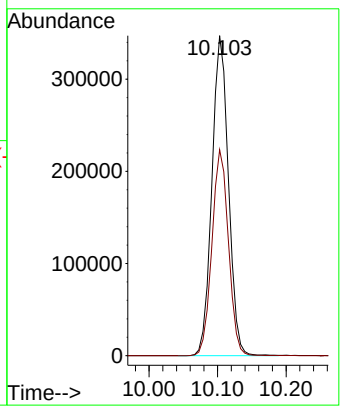


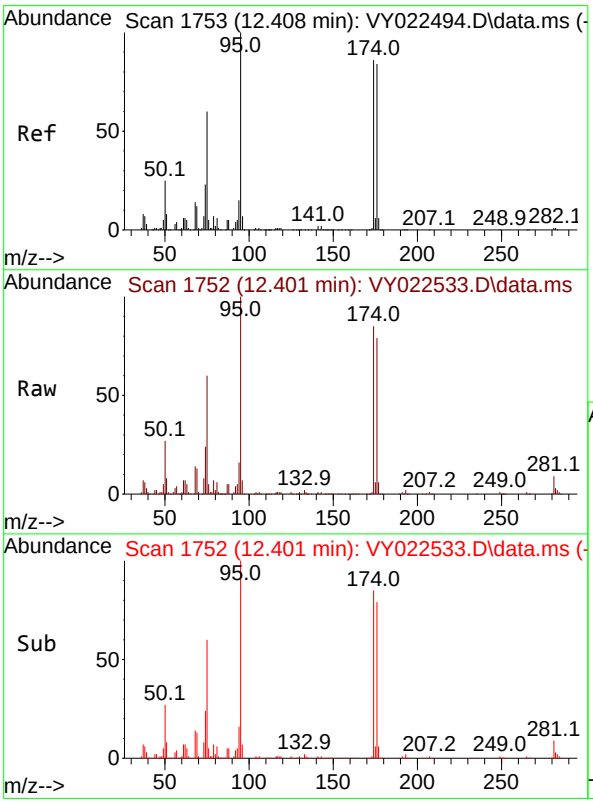
#50
Toluene-d8
Concen: 49.567 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022533.D
Acq: 03 Jun 2025 19:19

Instrument :
MSVOA_Y
ClientSampleId :
TP-65

Tgt Ion: 98 Resp: 579788

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.0

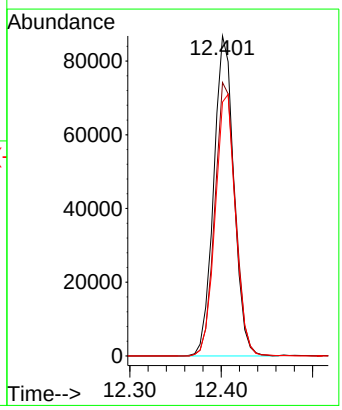


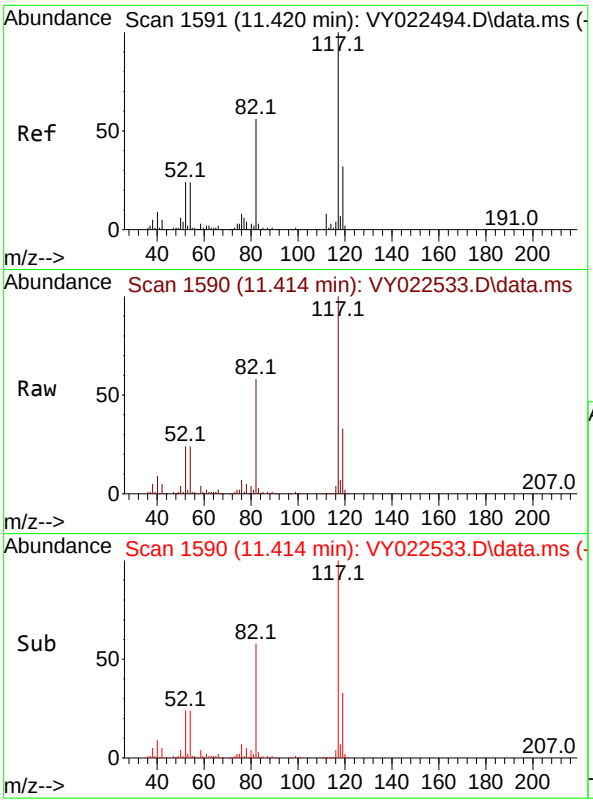


#62
4-Bromofluorobenzene
Concen: 38.168 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022533.D
Acq: 03 Jun 2025 19:19

Tgt Ion: 95 Resp: 133019

Ion	Ratio	Lower	Upper
95	100		
174	87.1	0.0	170.0
176	82.6	0.0	166.2



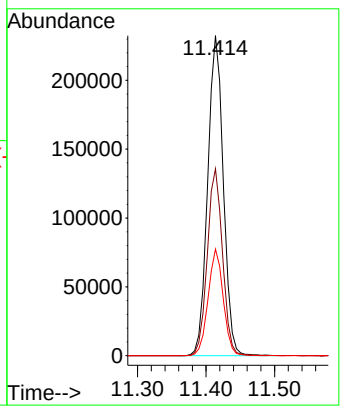


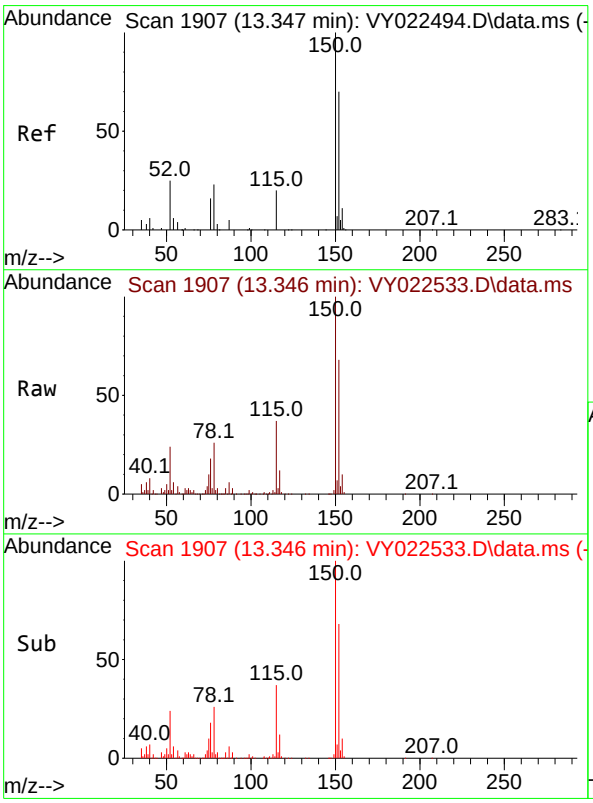
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022533.D
Acq: 03 Jun 2025 19:19

Instrument :
MSVOA_Y
ClientSampleId :
TP-65

Tgt Ion:117 Resp: 368793

Ion	Ratio	Lower	Upper
117	100		
82	58.4	44.6	66.8
119	33.3	25.4	38.0

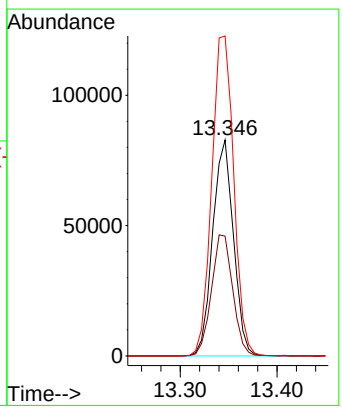




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022533.D
Acq: 03 Jun 2025 19:19

Tgt Ion:152 Resp: 123634

Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.9	86.7
150	156.7	0.0	349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022533.D
Acq On : 03 Jun 2025 19:19
Operator : SY/MD
Sample : Q2176-08
Misc : 6.47g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-65

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: VY022533.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	49	60	63	rBV2	9162	26698	1.69%	0.350%
2	2.482	119	125	139	rVB4	10755	37496	2.37%	0.492%
3	4.610	464	474	488	rBV	16351	51960	3.29%	0.682%
4	7.628	958	969	975	rBV	200852	478404	30.29%	6.275%
5	7.707	975	982	994	rVB	356703	821815	52.03%	10.780%
6	8.055	1031	1039	1053	rBV	183570	399260	25.28%	5.237%
7	8.609	1121	1130	1141	rBV	588429	1159187	73.39%	15.205%
8	10.103	1367	1375	1383	rBV	943884	1579383	100.00%	20.717%
9	11.414	1581	1590	1603	rBV	773507	1222590	77.41%	16.037%
10	12.401	1744	1752	1763	rBV2	521215	890789	56.40%	11.685%
11	13.346	1900	1907	1916	rBV	520805	824415	52.20%	10.814%
12	13.883	1989	1995	2002	rVB2	81024	131508	8.33%	1.725%

Sum of corrected areas: 7623505

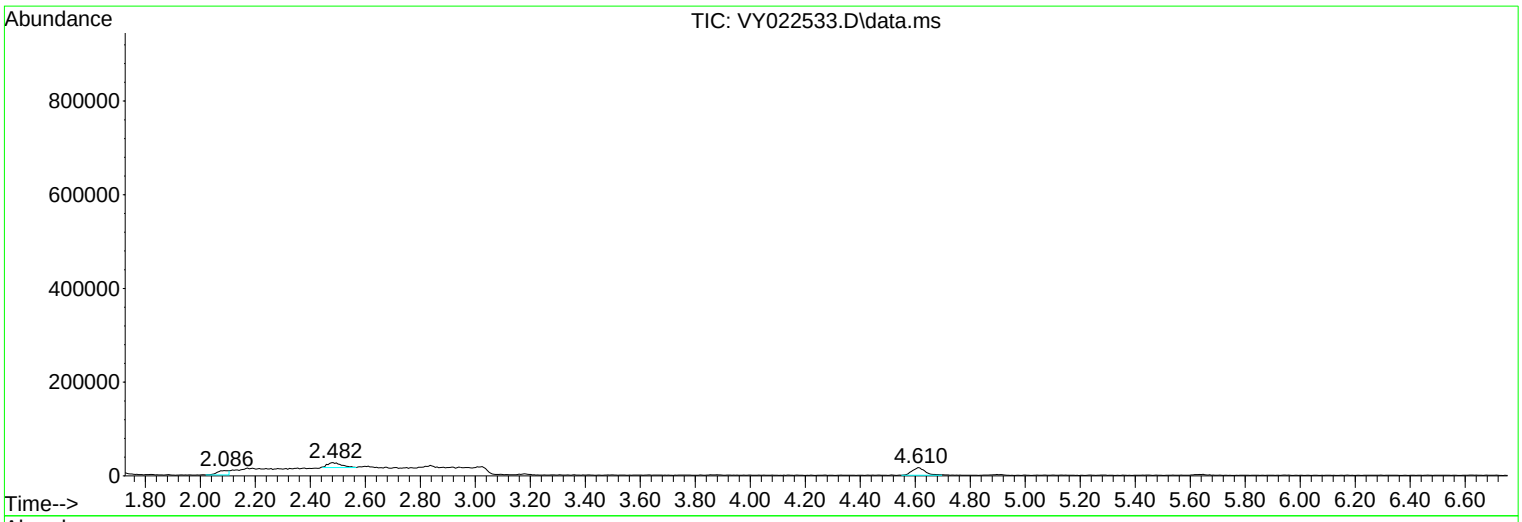
Sample Results: **VY022533.D**

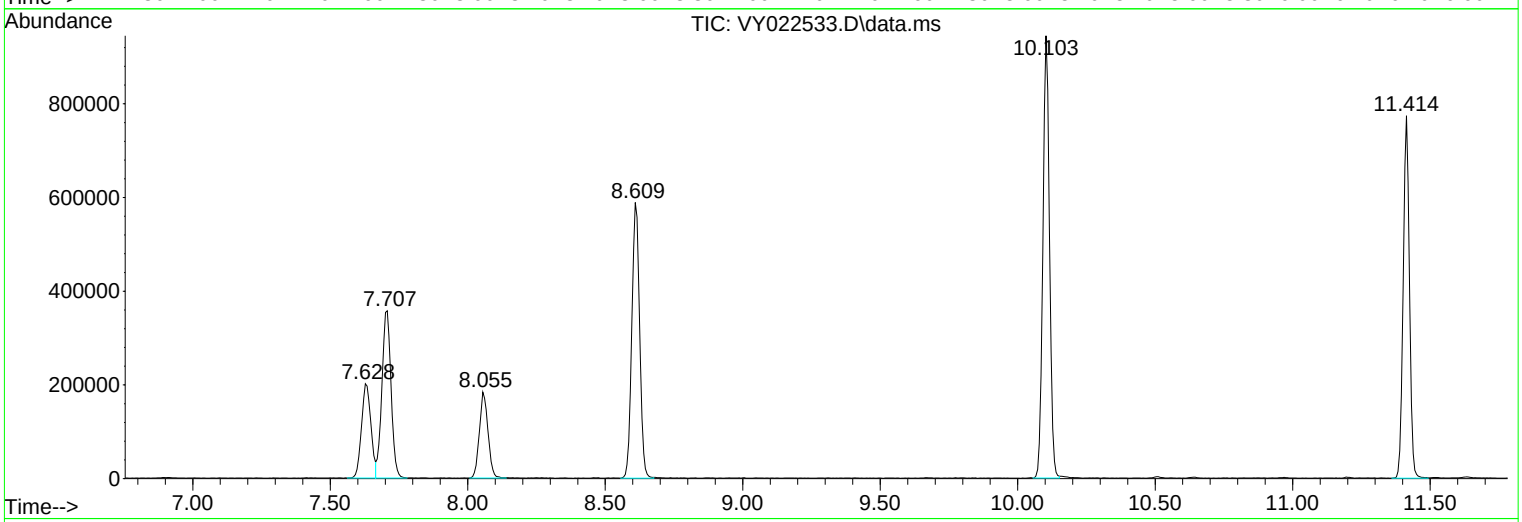
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022533.D
Acq On : 03 Jun 2025 19:19
Operator : SY/MD
Sample : Q2176-08
Misc : 6.47g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

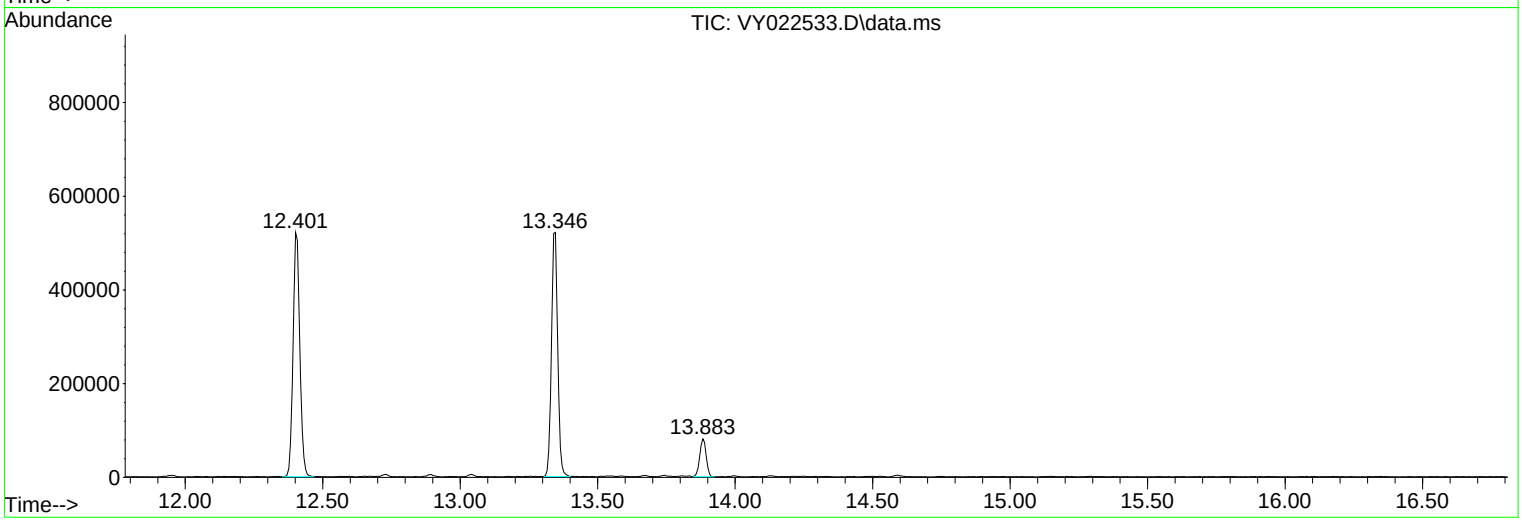
Instrument :
MSVOA_Y
ClientSampleId :
TP-65

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\VY060325\
Data File : VY022533.D
Acq On : 03 Jun 2025 19:19
Operator : SY/MD
Sample : Q2176-08
Misc : 6.47g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-65

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\VY060325\
Data File : VY022533.D
Acq On : 03 Jun 2025 19:19
Operator : SY/MD
Sample : Q2176-08
Misc : 6.47g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-65

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\VY060325\
Data File : VY022512.D
Acq On : 03 Jun 2025 10:40
Operator : SY/MD
Sample : VY0603SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Quant Time: Jun 04 04:08:54 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	287398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	534399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	428748	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	155262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	171949	53.494	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.980%			
35) Dibromofluoromethane	7.640	113	162497	50.944	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.880%			
50) Toluene-d8	10.109	98	643614	49.937	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.880%			
62) 4-Bromofluorobenzene	12.408	95	161263	41.994	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.980%			

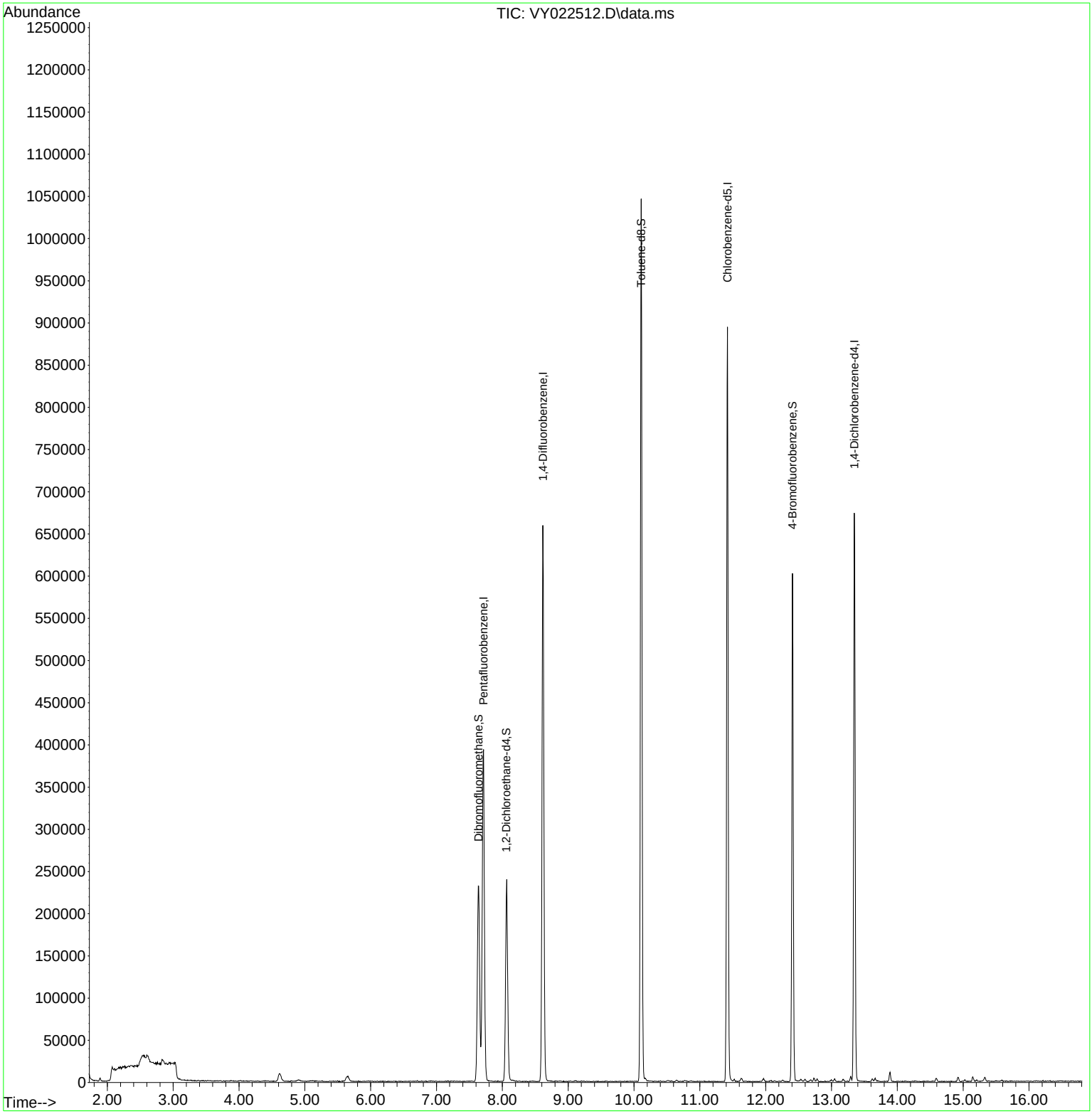
Target Compounds Qvalue

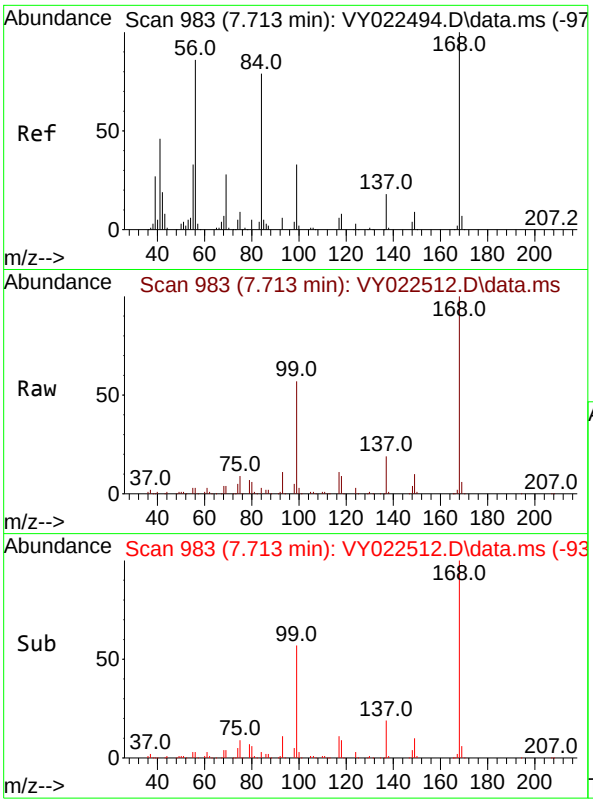
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022512.D
Acq On : 03 Jun 2025 10:40
Operator : SY/MD
Sample : VY0603SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Quant Time: Jun 04 04:08:54 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



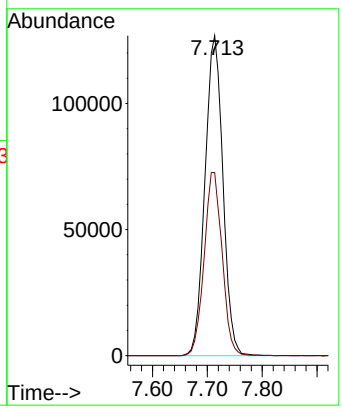


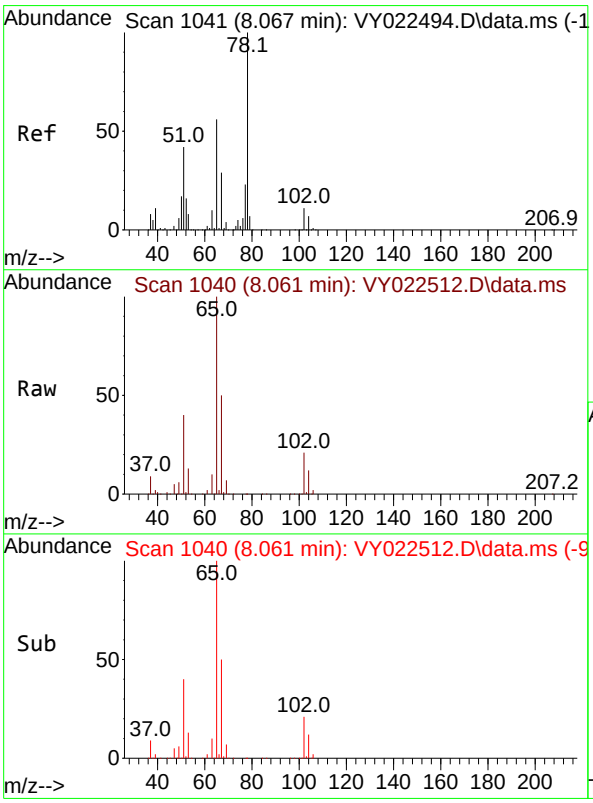
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Tgt Ion:168 Resp: 287398

Ion	Ratio	Lower	Upper
168	100		
99	57.2	44.3	66.5

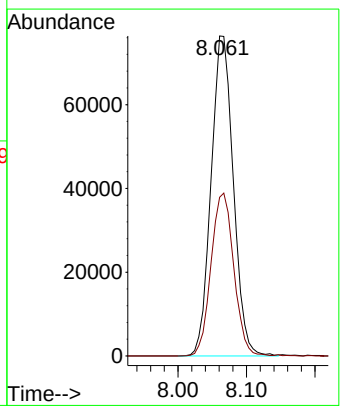


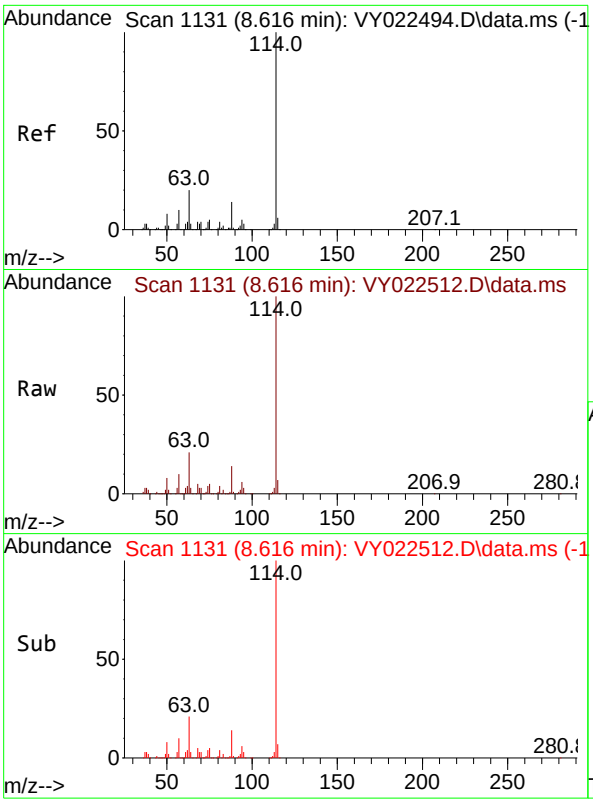


#33
1,2-Dichloroethane-d4
Concen: 53.494 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Tgt Ion: 65 Resp: 171949

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.4



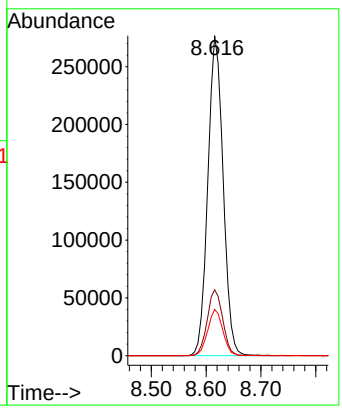


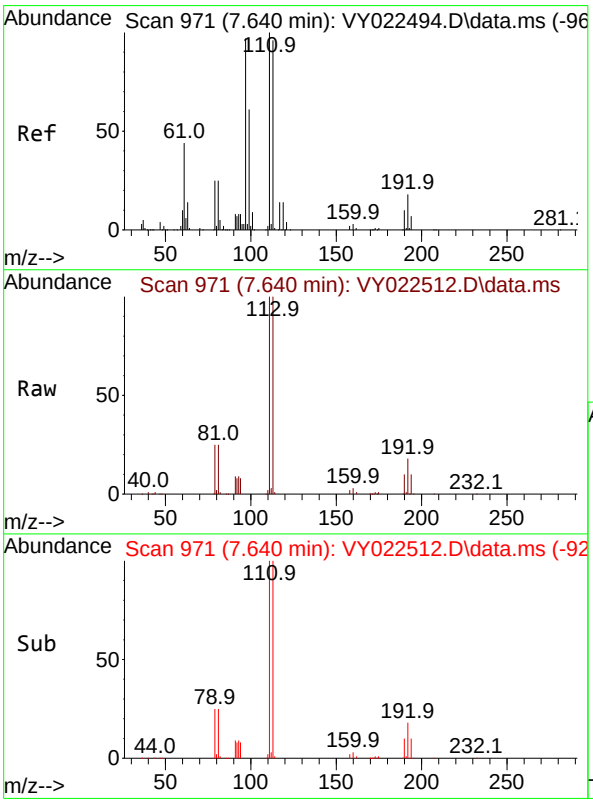
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Tgt Ion:114 Resp: 534399

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	14.4	0.0	27.8

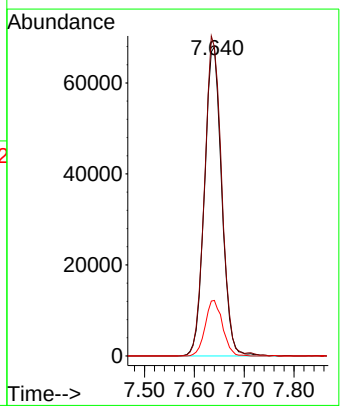


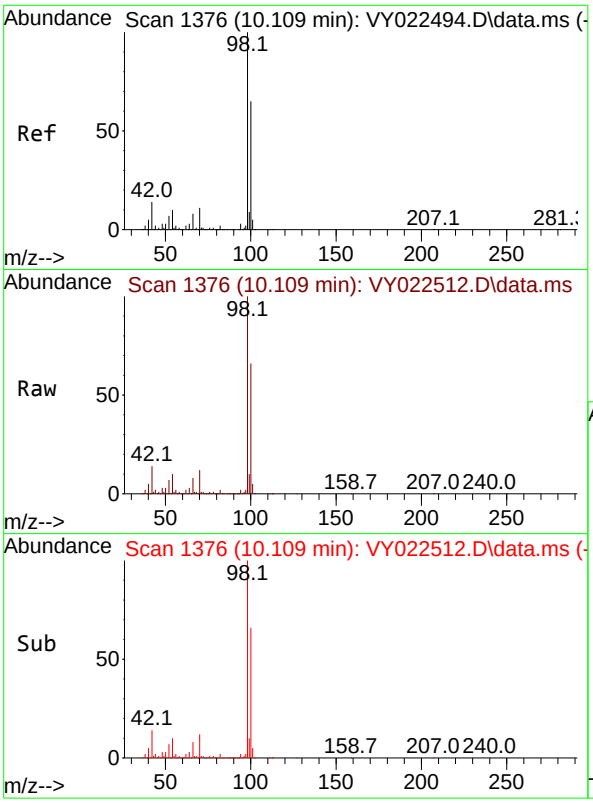


#35
Dibromofluoromethane
Concen: 50.944 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Tgt Ion:113 Resp: 162497

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.1	121.7
192	18.1	14.2	21.2



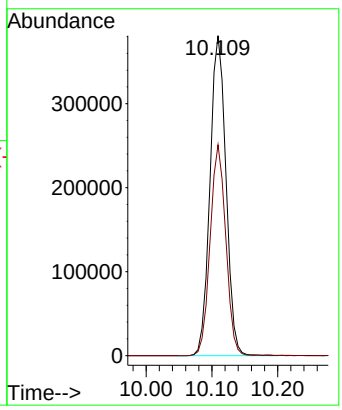


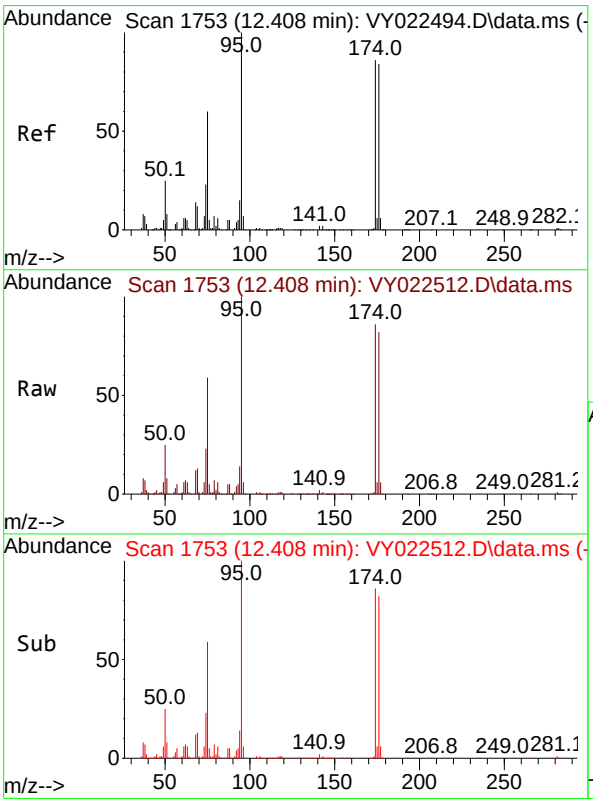
#50
Toluene-d8
Concen: 49.937 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Tgt Ion: 98 Resp: 643614

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0

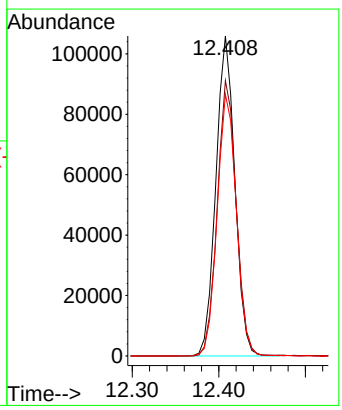


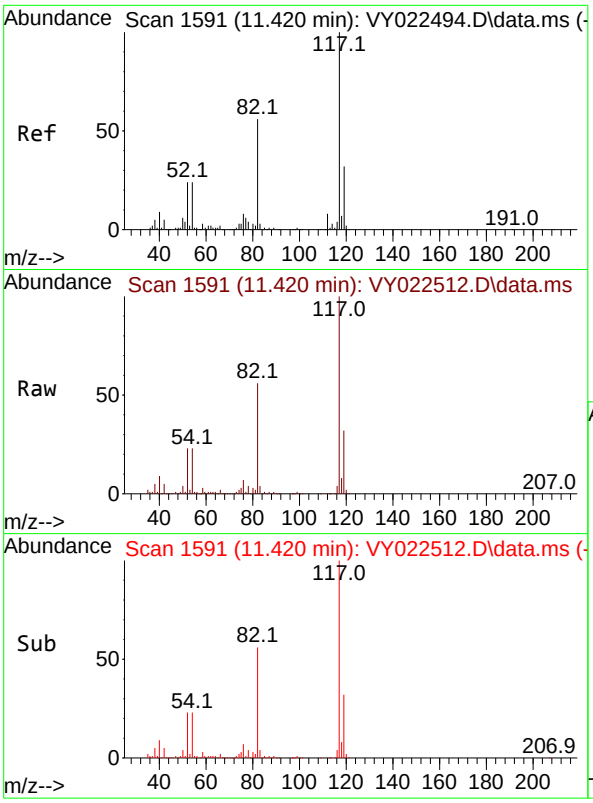


#62
4-Bromofluorobenzene
Concen: 41.994 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Tgt Ion: 95 Resp: 161263

Ion	Ratio	Lower	Upper
95	100		
174	86.0	0.0	170.0
176	82.5	0.0	166.2



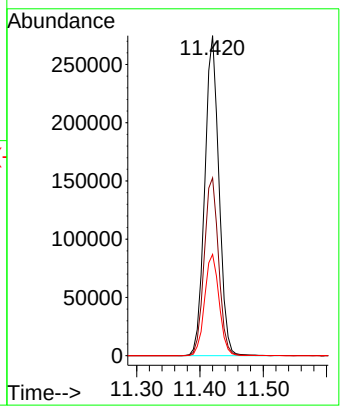


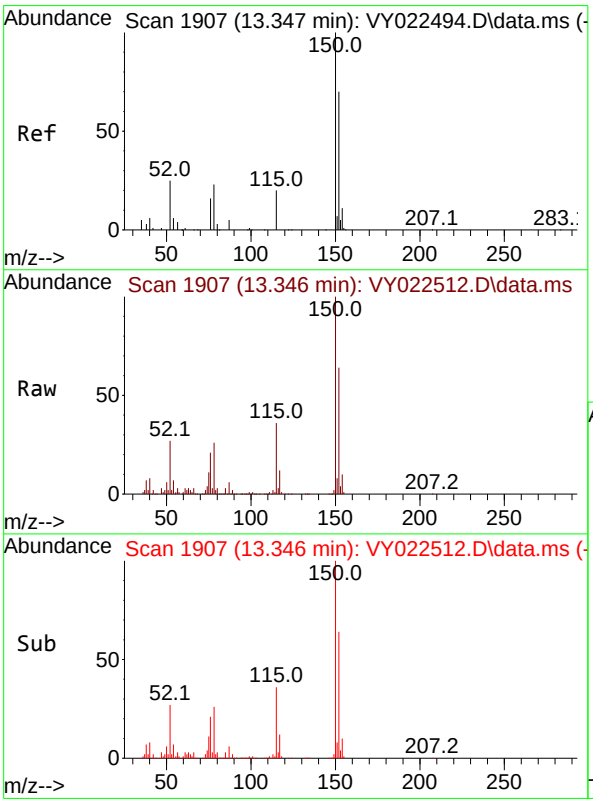
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Tgt Ion:117 Resp: 428748

Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.6	66.8
119	31.6	25.4	38.0

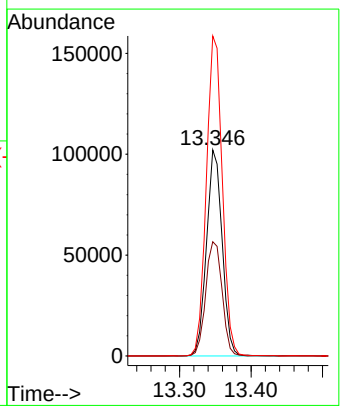




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Tgt Ion:152 Resp: 155262

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.9	86.7
150	158.0	0.0	349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022512.D
Acq On : 03 Jun 2025 10:40
Operator : SY/MD
Sample : VY0603SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

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: VY022512.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	51	58	61	rBV4	16308	35746	2.03%	0.419%
2	2.525	124	132	134	rBV6	11508	28540	1.62%	0.335%
3	4.616	465	475	487	rBV5	9205	28836	1.64%	0.338%
4	5.647	635	644	656	rVB5	6196	19866	1.13%	0.233%
5	7.634	960	970	976	rBV	231701	558773	31.74%	6.557%
6	7.713	976	983	993	rVB	392129	893359	50.75%	10.483%
7	8.067	1030	1041	1053	rBV	239523	514607	29.23%	6.039%
8	8.616	1122	1131	1143	rBV	658828	1278696	72.63%	15.005%
9	10.109	1367	1376	1385	rBV	1045962	1760453	100.00%	20.658%
10	11.420	1583	1591	1603	rBV	894137	1423227	80.84%	16.700%
11	12.408	1741	1753	1760	rBV	602384	930697	52.87%	10.921%
12	13.346	1901	1907	1916	rVB	672428	1031179	58.57%	12.100%
13	13.889	1990	1996	2003	rBV	11170	18100	1.03%	0.212%

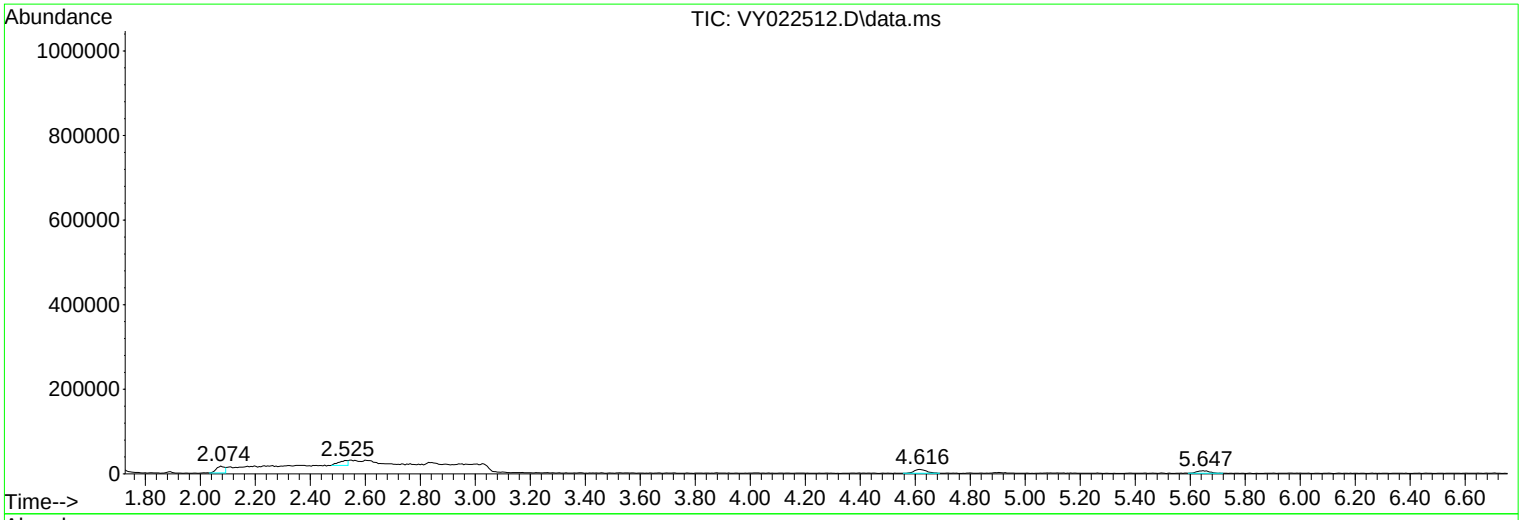
Sum of corrected areas: 8522079

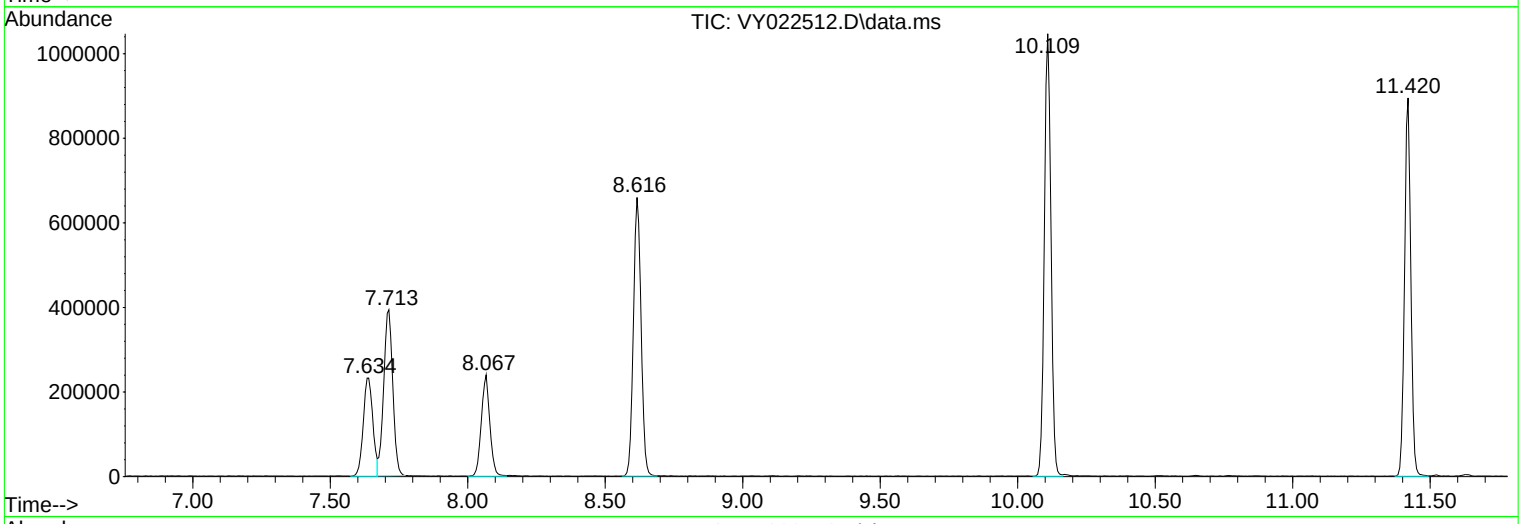
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022512.D
Acq On : 03 Jun 2025 10:40
Operator : SY/MD
Sample : VY0603SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

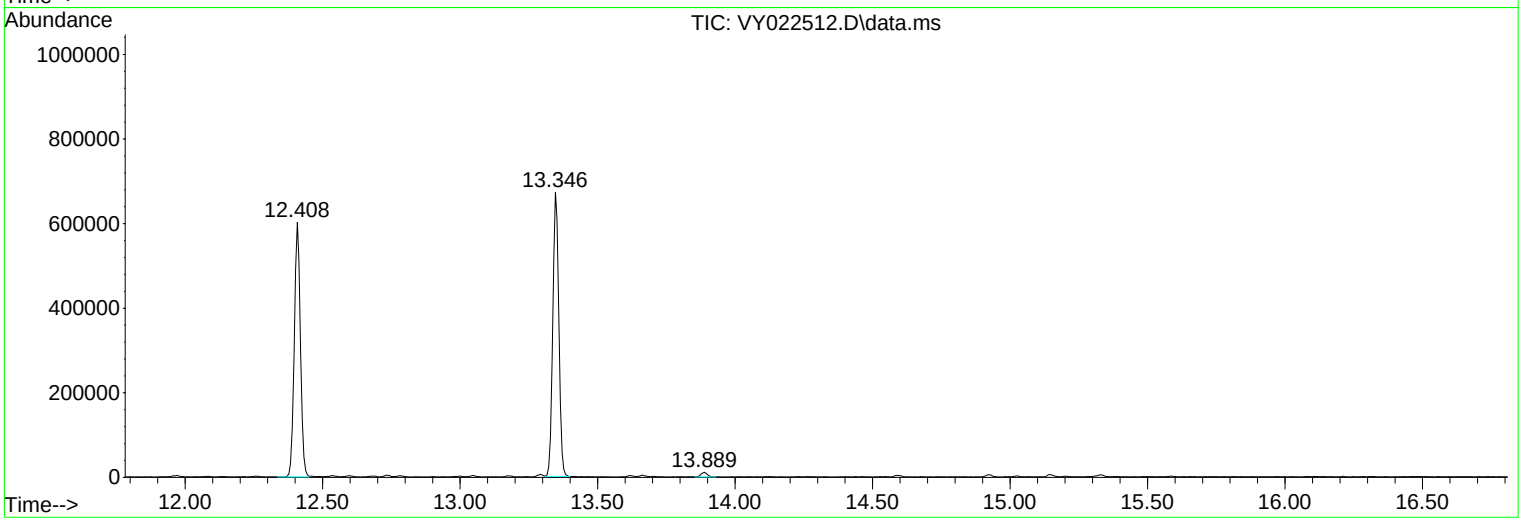
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

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\VY060325\
Data File : VY022512.D
Acq On : 03 Jun 2025 10:40
Operator : SY/MD
Sample : VY0603SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

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\VY060325\
Data File : VY022512.D
Acq On : 03 Jun 2025 10:40
Operator : SY/MD
Sample : VY0603SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

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\VY060325\
Data File : VY022513.D
Acq On : 03 Jun 2025 11:15
Operator : SY/MD
Sample : VY0603SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 04:09:14 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 :
VY0603SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	197612	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	337632	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	284268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	131961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	110445	49.971	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.940%			
35) Dibromofluoromethane	7.634	113	102818	51.020	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.040%			
50) Toluene-d8	10.109	98	418973	51.452	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.900%			
62) 4-Bromofluorobenzene	12.407	95	118916	49.014	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	39051	22.073	ug/l	95
3) Chloromethane	2.074	50	96334	18.431	ug/l	98
4) Vinyl Chloride	2.208	62	126140	20.803	ug/l	96
5) Bromomethane	2.592	94	117107	20.151	ug/l	98
6) Chloroethane	2.732	64	88804	21.338	ug/l	96
7) Trichlorofluoromethane	3.049	101	114182	22.182	ug/l	99
8) Diethyl Ether	3.458	74	24346	21.002	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	46051	21.242	ug/l	99
10) Methyl Iodide	4.007	142	43818	18.677	ug/l	100
11) Tert butyl alcohol	4.872	59	15349	97.233	ug/l #	73
12) 1,1-Dichloroethene	3.793	96	43949	21.208	ug/l	95
13) Acrolein	3.653	56	20560	104.508	ug/l	97
14) Allyl chloride	4.391	41	67413	20.722	ug/l	98
15) Acrylonitrile	5.067	53	48448	98.683	ug/l	98
16) Acetone	3.872	43	64637	144.004	ug/l	97
17) Carbon Disulfide	4.110	76	138205	20.831	ug/l	100
18) Methyl Acetate	4.391	43	27356	20.581	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	118612	20.321	ug/l	96
20) Methylene Chloride	4.616	84	47160	18.497	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	47664	20.551	ug/l	98
22) Diisopropyl ether	6.018	45	150165	20.737	ug/l	95
23) Vinyl Acetate	5.963	43	425369	99.247	ug/l	100
24) 1,1-Dichloroethane	5.921	63	90453	21.203	ug/l	98
25) 2-Butanone	6.902	43	76024	117.421	ug/l	90
26) 2,2-Dichloropropane	6.884	77	81323	21.575	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	55057	20.538	ug/l	97
28) Bromochloromethane	7.244	49	39559	21.273	ug/l	96
29) Tetrahydrofuran	7.262	42	40474	96.924	ug/l	100
30) Chloroform	7.427	83	88966	21.055	ug/l	94
31) Cyclohexane	7.701	56	85871	20.219	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	79604	21.222	ug/l	99
36) 1,1-Dichloropropene	7.835	75	66890	20.451	ug/l	99
37) Ethyl Acetate	6.994	43	28280	19.388	ug/l	97
38) Carbon Tetrachloride	7.817	117	67799	20.206	ug/l	95
39) Methylcyclohexane	9.109	83	87053	19.805	ug/l	98
40) Benzene	8.085	78	200164	20.720	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022513.D
Acq On : 03 Jun 2025 11:15
Operator : SY/MD
Sample : VY0603SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 04:09:14 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 :
VY0603SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	15933	18.701	ug/l		96
42) 1,2-Dichloroethane	8.158	62	53923	20.443	ug/l		99
43) Isopropyl Acetate	8.201	43	60985	19.359	ug/l	#	87
44) Trichloroethene	8.865	130	50394	21.344	ug/l		95
45) 1,2-Dichloropropane	9.146	63	47626	20.860	ug/l		99
46) Dibromomethane	9.231	93	24877	19.368	ug/l		97
47) Bromodichloromethane	9.426	83	67673	20.778	ug/l		95
48) Methyl methacrylate	9.225	41	27658	18.707	ug/l		96
49) 1,4-Dioxane	9.237	88	5752	378.003	ug/l	#	89
51) 4-Methyl-2-Pentanone	9.999	43	150751	95.984	ug/l		100
52) Toluene	10.170	92	122301	20.145	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	60125	19.703	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	73109	20.581	ug/l		96
55) 1,1,2-Trichloroethane	10.572	97	33009	20.154	ug/l		95
56) Ethyl methacrylate	10.438	69	44052	18.609	ug/l		99
57) 1,3-Dichloropropane	10.719	76	57905	19.947	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	104791	97.502	ug/l		99
59) 2-Hexanone	10.761	43	113080	107.655	ug/l		99
60) Dibromochloromethane	10.908	129	41162	19.776	ug/l		99
61) 1,2-Dibromoethane	11.017	107	30056	20.134	ug/l		95
64) Tetrachloroethene	10.646	164	51847	21.203	ug/l		99
65) Chlorobenzene	11.444	112	127590	20.283	ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.517	131	42827	20.210	ug/l		99
67) Ethyl Benzene	11.517	91	236274	20.251	ug/l		99
68) m/p-Xylenes	11.627	106	177595	40.152	ug/l		99
69) o-Xylene	11.956	106	83043	20.025	ug/l		99
70) Styrene	11.969	104	136395	19.898	ug/l		99
71) Bromoform	12.133	173	21024	18.644	ug/l	#	99
73) Isopropylbenzene	12.255	105	218088	20.130	ug/l		100
74) N-amyl acetate	12.072	43	51955	19.006	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	33056	18.590	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	27133m	17.973	ug/l		
77) Bromobenzene	12.529	156	44250	19.355	ug/l		95
78) n-propylbenzene	12.596	91	268379	20.282	ug/l		100
79) 2-Chlorotoluene	12.682	91	140839	20.082	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	169137	19.885	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	12442	19.903	ug/l		92
82) 4-Chlorotoluene	12.779	91	144089	19.916	ug/l		100
83) tert-Butylbenzene	12.999	119	155396	20.356	ug/l		99
84) 1,2,4-Trimethylbenzene	13.041	105	167992	19.747	ug/l		100
85) sec-Butylbenzene	13.176	105	234207	20.032	ug/l		100
86) p-Isopropyltoluene	13.291	119	188849	19.596	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	89632	19.350	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	89737	19.974	ug/l		100
89) n-Butylbenzene	13.615	91	183570	20.077	ug/l		100
90) Hexachloroethane	13.883	117	38158	20.338	ug/l		96
91) 1,2-Dichlorobenzene	13.657	146	77708	19.759	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4880	18.850	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	40402	18.836	ug/l		97
94) Hexachlorobutadiene	15.023	225	23265	19.652	ug/l		99
95) Naphthalene	15.145	128	74961	18.211	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	35695	19.418	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022513.D
Acq On : 03 Jun 2025 11:15
Operator : SY/MD
Sample : VY0603SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 04:09:14 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 :
VY0603SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

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

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

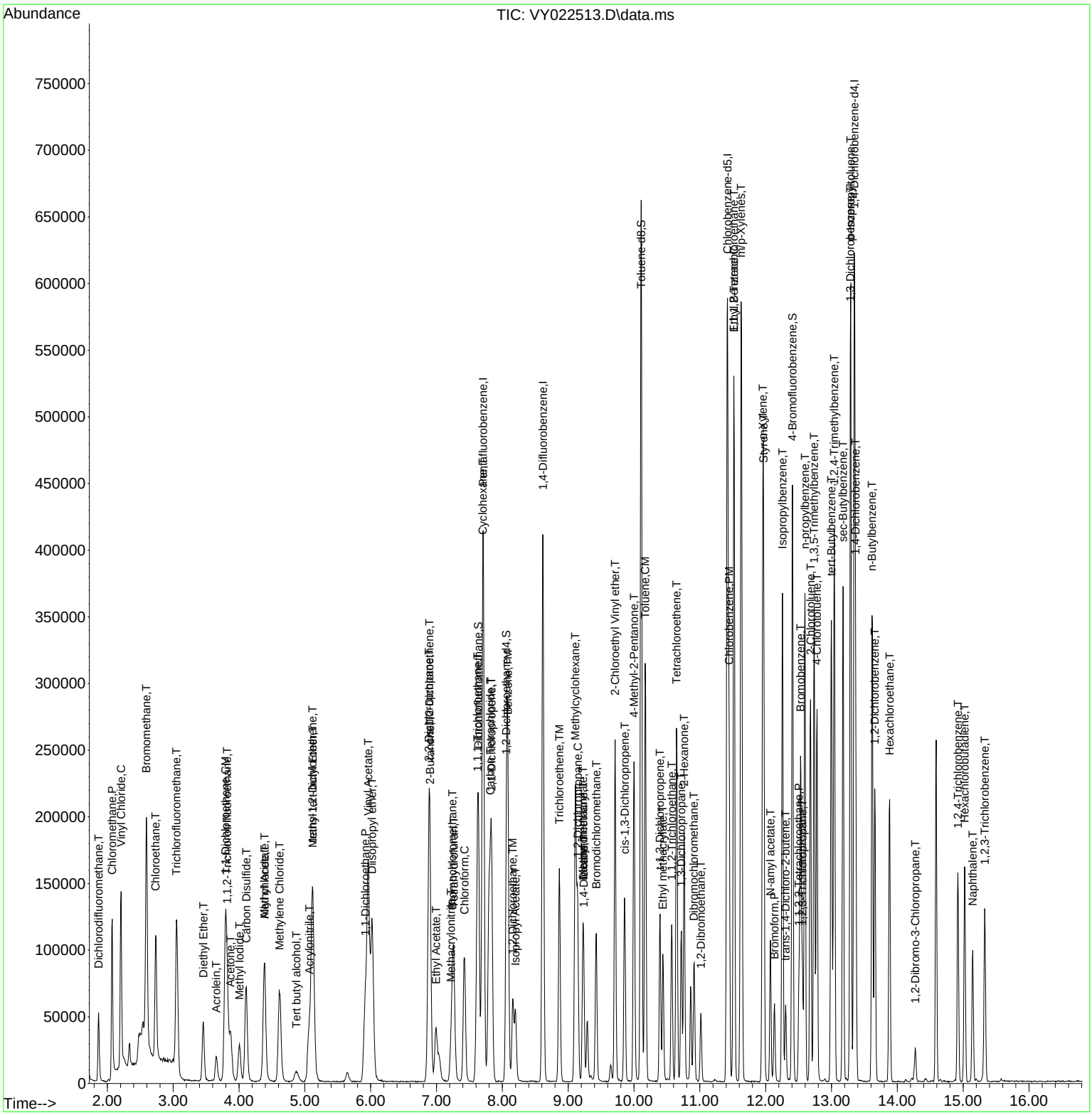
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022513.D
Acq On : 03 Jun 2025 11:15
Operator : SY/MD
Sample : VY0603SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 04:09:14 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 :
VY0603SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022514.D
Acq On : 03 Jun 2025 11:38
Operator : SY/MD
Sample : VY0603SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 04:10:06 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 :
VY0603SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	196295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	333757	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	277257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	127082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	111211	50.655	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.320%			
35) Dibromofluoromethane	7.634	113	102540	51.473	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.940%			
50) Toluene-d8	10.109	98	423577	52.622	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.240%			
62) 4-Bromofluorobenzene	12.408	95	120123	50.086	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.180%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	39450	22.448	ug/l	92
3) Chloromethane	2.068	50	115283	22.204	ug/l	98
4) Vinyl Chloride	2.202	62	133679	22.195	ug/l	98
5) Bromomethane	2.592	94	122385	21.200	ug/l	99
6) Chloroethane	2.732	64	89448	21.637	ug/l	96
7) Trichlorofluoromethane	3.049	101	108350	21.191	ug/l	98
8) Diethyl Ether	3.458	74	24283	21.088	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	43506	20.203	ug/l	97
10) Methyl Iodide	4.007	142	46266	19.853	ug/l	100
11) Tert butyl alcohol	4.872	59	16220	103.440	ug/l #	73
12) 1,1-Dichloroethene	3.787	96	44732	21.731	ug/l	97
13) Acrolein	3.659	56	20248	103.612	ug/l	95
14) Allyl chloride	4.385	41	66730	20.650	ug/l	98
15) Acrylonitrile	5.055	53	47639	97.686	ug/l	96
16) Acetone	3.879	43	51428	115.345	ug/l	98
17) Carbon Disulfide	4.104	76	140692	21.348	ug/l	99
18) Methyl Acetate	4.391	43	25743	19.498	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	118588	20.454	ug/l	97
20) Methylene Chloride	4.616	84	48900	19.308	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	48144	20.897	ug/l	98
22) Diisopropyl ether	6.018	45	152316	21.175	ug/l	99
23) Vinyl Acetate	5.964	43	430636	101.150	ug/l	99
24) 1,1-Dichloroethane	5.915	63	89303	21.074	ug/l	98
25) 2-Butanone	6.896	43	69185	107.575	ug/l	99
26) 2,2-Dichloropropane	6.890	77	80364	21.464	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	57093	21.440	ug/l	99
28) Bromochloromethane	7.250	49	38497	20.841	ug/l	99
29) Tetrahydrofuran	7.262	42	39069	94.187	ug/l	97
30) Chloroform	7.421	83	90558	21.576	ug/l	98
31) Cyclohexane	7.707	56	83149	19.710	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	78839	21.159	ug/l	99
36) 1,1-Dichloropropene	7.835	75	67396	20.845	ug/l	100
37) Ethyl Acetate	6.988	43	29632	20.551	ug/l	99
38) Carbon Tetrachloride	7.817	117	69195	20.862	ug/l	97
39) Methylcyclohexane	9.109	83	88301	20.323	ug/l	98
40) Benzene	8.079	78	200930	21.041	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022514.D
Acq On : 03 Jun 2025 11:38
Operator : SY/MD
Sample : VY0603SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 04:10:06 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 :
VY0603SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	15352m	18.228	ug/l		
42) 1,2-Dichloroethane	8.164	62	54776	21.007	ug/l		98
43) Isopropyl Acetate	8.201	43	61432	19.728	ug/l		98
44) Trichloroethene	8.866	130	50293	21.548	ug/l		90
45) 1,2-Dichloropropane	9.140	63	46638	20.665	ug/l		99
46) Dibromomethane	9.231	93	25459	20.051	ug/l		98
47) Bromodichloromethane	9.420	83	67575	20.989	ug/l		100
48) Methyl methacrylate	9.225	41	28959	19.815	ug/l		98
49) 1,4-Dioxane	9.237	88	5727	380.729	ug/l		95
51) 4-Methyl-2-Pentanone	9.999	43	150410	96.879	ug/l		100
52) Toluene	10.170	92	123263	20.539	ug/l		96
53) t-1,3-Dichloropropene	10.396	75	60064	19.911	ug/l		94
54) cis-1,3-Dichloropropene	9.859	75	71904	20.477	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	33397	20.628	ug/l		92
56) Ethyl methacrylate	10.438	69	45653	19.510	ug/l		98
57) 1,3-Dichloropropane	10.719	76	58164	20.269	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	110692	104.188	ug/l		99
59) 2-Hexanone	10.762	43	102187	98.414	ug/l		99
60) Dibromochloromethane	10.908	129	41567	20.203	ug/l		100
61) 1,2-Dibromoethane	11.018	107	29473	19.973	ug/l		98
64) Tetrachloroethene	10.646	164	50817	21.307	ug/l		96
65) Chlorobenzene	11.438	112	129702	21.140	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.517	131	43105	20.856	ug/l		99
67) Ethyl Benzene	11.517	91	236352	20.770	ug/l		99
68) m/p-Xylenes	11.627	106	178031	41.269	ug/l		99
69) o-Xylene	11.956	106	83649	20.682	ug/l		100
70) Styrene	11.969	104	137611	20.583	ug/l		99
71) Bromoform	12.133	173	21869	19.883	ug/l	#	99
73) Isopropylbenzene	12.255	105	220201	21.105	ug/l		100
74) N-amyl acetate	12.072	43	52673	20.008	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	34208	19.977	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	26292m	18.084	ug/l		
77) Bromobenzene	12.529	156	46055	20.918	ug/l		100
78) n-propylbenzene	12.597	91	269951	21.184	ug/l		99
79) 2-Chlorotoluene	12.682	91	142085	21.037	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	170919	20.866	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	11460	19.036	ug/l		95
82) 4-Chlorotoluene	12.779	91	141886	20.364	ug/l		96
83) tert-Butylbenzene	12.999	119	156660	21.309	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	170782	20.846	ug/l		99
85) sec-Butylbenzene	13.176	105	235402	20.907	ug/l		99
86) p-Isopropyltoluene	13.292	119	190486	20.525	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	91645	20.544	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	89601	20.709	ug/l		99
89) n-Butylbenzene	13.615	91	189125	21.478	ug/l		99
90) Hexachloroethane	13.877	117	38174	21.128	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	79301	20.938	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4844	19.429	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	43264	20.945	ug/l		99
94) Hexachlorobutadiene	15.023	225	23654	20.747	ug/l		99
95) Naphthalene	15.145	128	76972	19.418	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	35926	20.294	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022514.D
Acq On : 03 Jun 2025 11:38
Operator : SY/MD
Sample : VY0603SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 04:10:06 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 :
VY0603SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

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

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

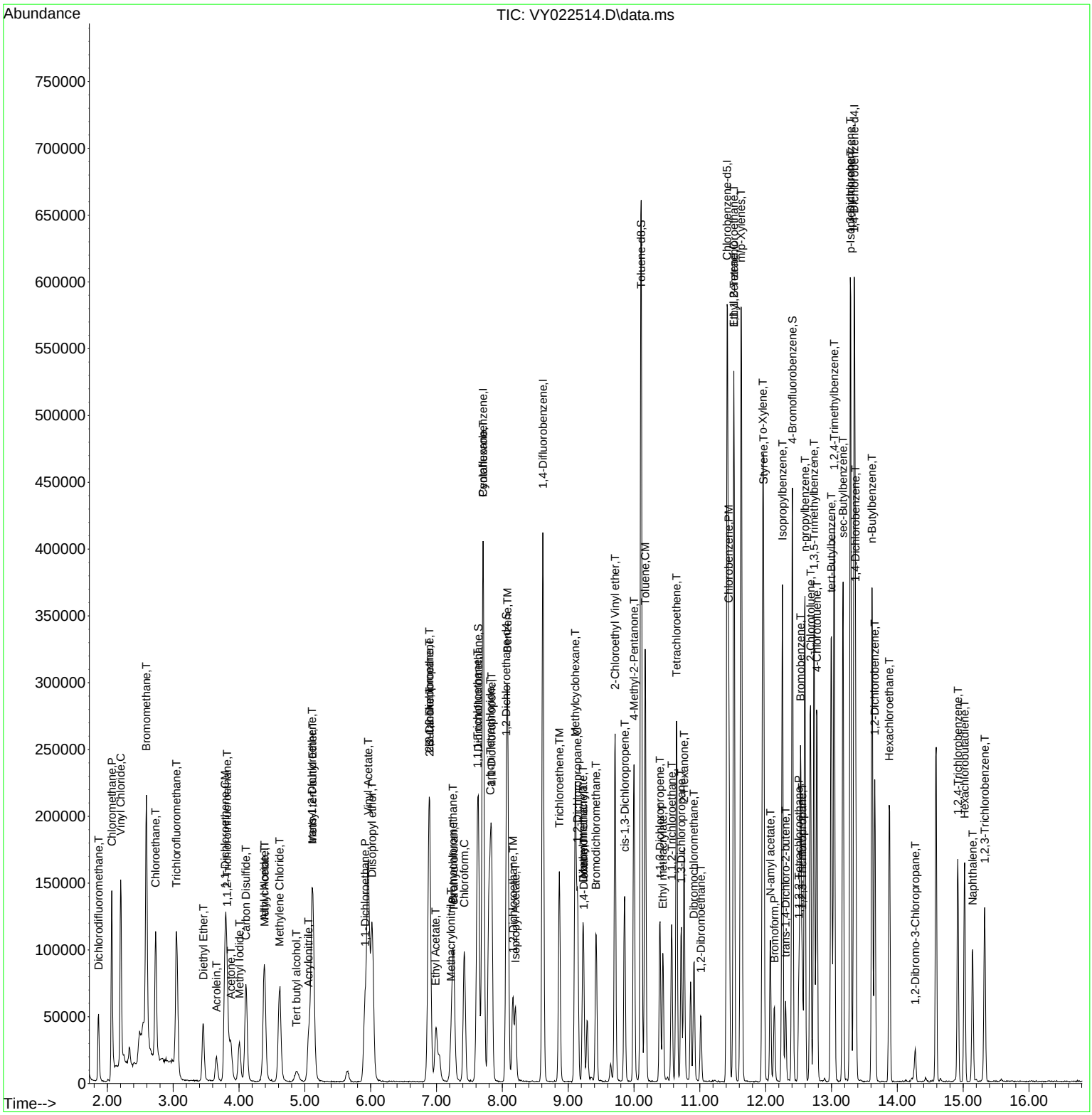
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022514.D
Acq On : 03 Jun 2025 11:38
Operator : SY/MD
Sample : VY0603SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 04:10:06 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 :
VY0603SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



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
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

Manual Integration Report

Sequence:	vy060225	Instrument	MSVOA_y

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:	vy060325	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022511.D	1,2,3-Trichloropropane	MMDadoda	6/4/2025 4:20:50 PM	Sam	6/4/2025 4:23:21 PM	Peak Integrated by Software
VSTDCCC050	VY022511.D	Methacrylonitrile	MMDadoda	6/4/2025 4:20:50 PM	Sam	6/4/2025 4:23:21 PM	Peak Integrated by Software
VY0603SBS01	VY022513.D	1,2,3-Trichloropropane	MMDadoda	6/4/2025 4:20:55 PM	Sam	6/4/2025 4:23:24 PM	Peak Integrated by Software
VY0603SBSD01	VY022514.D	1,2,3-Trichloropropane	MMDadoda	6/4/2025 4:20:57 PM	Sam	6/4/2025 4:23:29 PM	Peak Integrated by Software
VY0603SBSD01	VY022514.D	Methacrylonitrile	MMDadoda	6/4/2025 4:20:57 PM	Sam	6/4/2025 4:23:29 PM	Peak Integrated by Software
VSTDCCC050	VY022536.D	1,2,3-Trichloropropane	MMDadoda	6/4/2025 4:21:00 PM	Sam	6/4/2025 4:23:33 PM	Peak Integrated by Software
VSTDCCC050	VY022536.D	Methacrylonitrile	MMDadoda	6/4/2025 4:21:00 PM	Sam	6/4/2025 4:23:33 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 # 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 # VY060325

Review By	Mahesh Dadoda	Review On	6/4/2025 4:21:05 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/4/2025 4:23:38 PM		
SubDirectory	VY060325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134097
Initial Calibration Stds	
CCC	VP134098,VP134099
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	VY022510.D	03 Jun 2025 09:03	SY/MD	Ok
2	VSTDCCC050	VY022511.D	03 Jun 2025 10:03	SY/MD	Ok,M
3	VY0603SBL01	VY022512.D	03 Jun 2025 10:40	SY/MD	Ok
4	VY0603SBS01	VY022513.D	03 Jun 2025 11:15	SY/MD	Ok,M
5	VY0603SBSD01	VY022514.D	03 Jun 2025 11:38	SY/MD	Ok,M
6	Q2155-01	VY022515.D	03 Jun 2025 12:17	SY/MD	Ok
7	Q2155-02	VY022516.D	03 Jun 2025 12:40	SY/MD	Ok,M
8	Q2185-02	VY022517.D	03 Jun 2025 13:04	SY/MD	Ok
9	Q2185-06	VY022518.D	03 Jun 2025 13:27	SY/MD	Ok
10	Q2172-02	VY022519.D	03 Jun 2025 13:51	SY/MD	Ok
11	Q2168-03	VY022520.D	03 Jun 2025 14:14	SY/MD	ReRun
12	Q2168-07	VY022521.D	03 Jun 2025 14:38	SY/MD	Dilution
13	Q2168-11	VY022522.D	03 Jun 2025 15:01	SY/MD	Dilution
14	Q2182-01	VY022523.D	03 Jun 2025 15:24	SY/MD	ReRun
15	Q2162-01	VY022524.D	03 Jun 2025 15:48	SY/MD	Ok
16	Q2161-02	VY022525.D	03 Jun 2025 16:11	SY/MD	Not Ok
17	Q2176-01	VY022526.D	03 Jun 2025 16:35	SY/MD	Ok
18	Q2176-02	VY022527.D	03 Jun 2025 16:58	SY/MD	Ok
19	Q2176-03	VY022528.D	03 Jun 2025 17:22	SY/MD	Ok
20	Q2176-04	VY022529.D	03 Jun 2025 17:45	SY/MD	Ok
21	Q2176-05	VY022530.D	03 Jun 2025 18:09	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060325

Review By	Mahesh Dadoda	Review On	6/4/2025 4:21:05 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/4/2025 4:23:38 PM				
SubDirectory	VY060325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134097
Initial Calibration Stds	
CCC	VP134098,VP134099
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2176-06	VY022531.D	03 Jun 2025 18:32	SY/MD	Ok
23	Q2176-07	VY022532.D	03 Jun 2025 18:56	SY/MD	Ok
24	Q2176-08	VY022533.D	03 Jun 2025 19:19	SY/MD	Ok
25	Q2177-01	VY022534.D	03 Jun 2025 19:42	SY/MD	Ok
26	VIBLK	VY022535.D	03 Jun 2025 20:06	SY/MD	Ok
27	VSTDCCC050	VY022536.D	03 Jun 2025 20:51	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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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060325

Review By	Mahesh Dadoda	Review On	6/4/2025 4:21:05 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/4/2025 4:23:38 PM		
SubDirectory	VY060325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134097
Initial Calibration Stds	
CCC	VP134098,VP134099
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	VY022510.D	03 Jun 2025 09:03		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022511.D	03 Jun 2025 10:03		SY/MD	Ok,M
3	VY0603SBL01	VY0603SBL01	VY022512.D	03 Jun 2025 10:40		SY/MD	Ok
4	VY0603SBS01	VY0603SBS01	VY022513.D	03 Jun 2025 11:15		SY/MD	Ok,M
5	VY0603SBSD01	VY0603SBSD01	VY022514.D	03 Jun 2025 11:38		SY/MD	Ok,M
6	Q2155-01	446	VY022515.D	03 Jun 2025 12:17	vial-A	SY/MD	Ok
7	Q2155-02	447-SOLID	VY022516.D	03 Jun 2025 12:40	vial-A	SY/MD	Ok,M
8	Q2185-02	TP02-MHB-VOC	VY022517.D	03 Jun 2025 13:04	vial-A	SY/MD	Ok
9	Q2185-06	TP01-MHB-VOC	VY022518.D	03 Jun 2025 13:27	vial-A	SY/MD	Ok
10	Q2172-02	TP06-MHQ-VOC	VY022519.D	03 Jun 2025 13:51	vial-A	SY/MD	Ok
11	Q2168-03	A3	VY022520.D	03 Jun 2025 14:14	vial-A Internal Standard Fail; Surrogate Fail	SY/MD	ReRun
12	Q2168-07	B3	VY022521.D	03 Jun 2025 14:38	vial-A Need MeOH;Internal Standard Fail	SY/MD	Dilution
13	Q2168-11	C2	VY022522.D	03 Jun 2025 15:01	vial-A Need MeOH;Internal Standard Fail	SY/MD	Dilution
14	Q2182-01	OR-03-06022025	VY022523.D	03 Jun 2025 15:24	vial-A Internal Standard Fail	SY/MD	ReRun
15	Q2162-01	BP-VPB-182-GW-580-5	VY022524.D	03 Jun 2025 15:48	vial-A	SY/MD	Ok
16	Q2161-02	B28-SOIL-SAMPLE	VY022525.D	03 Jun 2025 16:11	vial-B Not purge	SY/MD	Not Ok
17	Q2176-01	TP-46	VY022526.D	03 Jun 2025 16:35	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060325

Review By	Mahesh Dadoda	Review On	6/4/2025 4:21:05 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/4/2025 4:23:38 PM		
SubDirectory	VY060325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134097
Initial Calibration Stds	
CCC	VP134098,VP134099
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2176-02	TP-56	VY022527.D	03 Jun 2025 16:58	vial-A	SY/MD	Ok
19	Q2176-03	TP-25	VY022528.D	03 Jun 2025 17:22	vial-A	SY/MD	Ok
20	Q2176-04	TP-26	VY022529.D	03 Jun 2025 17:45	vial-A	SY/MD	Ok
21	Q2176-05	TP-28	VY022530.D	03 Jun 2025 18:09	vial-A	SY/MD	Ok
22	Q2176-06	TP-27	VY022531.D	03 Jun 2025 18:32	vial-A	SY/MD	Ok
23	Q2176-07	TP-31	VY022532.D	03 Jun 2025 18:56	vial-A	SY/MD	Ok
24	Q2176-08	TP-65	VY022533.D	03 Jun 2025 19:19	vial-A	SY/MD	Ok
25	Q2177-01	B-187-SB00	VY022534.D	03 Jun 2025 19:42	vial-A	SY/MD	Ok
26	VIBLK	VIBLK	VY022535.D	03 Jun 2025 20:06		SY/MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VY022536.D	03 Jun 2025 20:51		SY/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q2176	**OrderDate:**	5/30/2025 4:04:00 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
Q2176-01	**TP-46**	**SOIL**			**05/28/25**			**05/30/25**
			VOC-TCLVOA-10	8260D			06/03/25	
Q2176-02	**TP-56**	**SOIL**			**05/29/25**			**05/30/25**
			VOC-TCLVOA-10	8260D			06/03/25	
Q2176-03	**TP-25**	**SOIL**			**05/29/25**			**05/30/25**
			VOC-TCLVOA-10	8260D			06/03/25	
Q2176-04	**TP-26**	**SOIL**			**05/29/25**			**05/30/25**
			VOC-TCLVOA-10	8260D			06/03/25	
Q2176-05	**TP-28**	**SOIL**			**05/29/25**			**05/30/25**
			VOC-TCLVOA-10	8260D			06/03/25	
Q2176-06	**TP-27**	**SOIL**			**05/29/25**			**05/30/25**
			VOC-TCLVOA-10	8260D			06/03/25	
Q2176-07	**TP-31**	**SOIL**			**05/29/25**			**05/30/25**
			VOC-TCLVOA-10	8260D			06/03/25	
Q2176-08	**TP-65**	**SOIL**			**05/30/25**			**05/30/25**
			VOC-TCLVOA-10	8260D			06/03/25	

SAMPLE DATA

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:	05/30/25
Client Sample ID:	TP-46	SDG No.:	Q2176
Lab Sample ID:	Q2176-01	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	83.7 Decanted:
Sample Wt/Vol:	4.75 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
FB031883.D	50	06/04/25 12:48	FB060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	809	J	519	2830	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	23.1		50 - 150	116%	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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-56	SDG No.:	Q2176
Lab Sample ID:	Q2176-02	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	86.2 Decanted:
Sample Wt/Vol:	4.38 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
FB031868.D	1	06/03/25 16:20	FB060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	16.0	J	11.0	60.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	22.8		50 - 150	114%	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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25	SDG No.:	Q2176
Lab Sample ID:	Q2176-03	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	85.7 Decanted:
Sample Wt/Vol:	5.76 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
FB031869.D	1	06/03/25 16:48	FB060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	10.0	J	8.00	46.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	22.3		50 - 150	112%	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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-26	SDG No.:	Q2176
Lab Sample ID:	Q2176-04	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	85.2 Decanted:
Sample Wt/Vol:	4.69 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
FB031870.D	1	06/03/25 17:15	FB060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	21.0	J	10.0	56.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.7		50 - 150	94%	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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-28	SDG No.:	Q2176
Lab Sample ID:	Q2176-05	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	90.5 Decanted:
Sample Wt/Vol:	5.87 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
FB031871.D	1	06/03/25 17:43	FB060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	12.0	J	8.00	42.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	21.7		50 - 150	109%	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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-27	SDG No.:	Q2176
Lab Sample ID:	Q2176-06	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	83.1 Decanted:
Sample Wt/Vol:	5.4 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
FB031872.D	1	06/03/25 18:10	FB060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	13.0	J	9.00	50.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	22.6		50 - 150	113%	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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-31	SDG No.:	Q2176
Lab Sample ID:	Q2176-07	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	86.8 Decanted:
Sample Wt/Vol:	6.77 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
FB031873.D	1	06/03/25 18:38	FB060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	9.00	J	7.00	38.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	11.3		50 - 150	56%	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:	TP-65	SDG No.:	Q2176
Lab Sample ID:	Q2176-08	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	87.3 Decanted:
Sample Wt/Vol:	6 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
FB031884.D	50	06/04/25 13:16	FB060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	510	J	394	2150	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	22.8		50 - 150	114%	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.: Q2176 SAS No.: Q2176 SDG No.: Q2176

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VBF0603S1	100				0
BSF0603S1	101				0
BSF0603S2	98				0
TP-56	114				0
TP-25	112				0
TP-26	94				0
TP-28	109				0
TP-27	113				0
TP-31	56				0
VBF0604S2	122				0
BSF0604S1	116				0
TP-46	116				0
TP-65	114				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 DUPLICATI

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

Lab Code: CHEM **Cas No:** Q2176 **SAS No :** Q2176 **SDG No:** Q2176

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

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

Lab Code: CHEM **Cas No:** Q2176 **SAS No :** Q2176 **SDG No:** Q2176

Matrix Spike - EPA Sample No : BSF0603S2 **Datafile:** FB031865.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	163	91	50-150

LCS/LCSD % Recovery RPD : 6.5

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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:** Q2176 **SAS No :** Q2176 **SDG No:** Q2176

Matrix Spike - EPA Sample No : BSF0604S1 **Datafile:** FB031880.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	188	104	50-150

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METHOD BLANK SUMMARY

EPA SAMPLE NO.
VBF0603S1

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

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
BSF0603S2	BSF0603S2	FB031865.D	06/03/25
TP-56	Q2176-02	FB031868.D	06/03/25
TP-25	Q2176-03	FB031869.D	06/03/25
TP-26	Q2176-04	FB031870.D	06/03/25
TP-28	Q2176-05	FB031871.D	06/03/25
TP-27	Q2176-06	FB031872.D	06/03/25
TP-31	Q2176-07	FB031873.D	06/03/25

COMMENTS:

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0604S2

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Lab File ID: FB031879.D Lab Sample ID: VBF0604S2

Date Analyzed: 06/04/25 Time Analyzed: 10:47

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
BSF0604S1	BSF0604S1	FB031880.D	06/04/25
TP-46	Q2176-01	FB031883.D	06/04/25
TP-65	Q2176-08	FB031884.D	06/04/25

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:	VBF0603S1	SDG No.:	Q2176
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:	VBF0604S2	SDG No.:	Q2176
Lab Sample ID:	VBF0604S2	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
FB031879.D	50	06/04/25 10:47	FB060425

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	24.4		50 - 150	122%	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

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:	BSF0603S1	SDG No.:	Q2176
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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0604S1	SDG No.:	Q2176
Lab Sample ID:	BSF0604S1	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
FB031880.D	1	06/04/25 11:14	FB060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	188		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	23.1		50 - 150	116%	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:	BSF0603S2	SDG No.:	Q2176
Lab Sample ID:	BSF0603S2	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
FB031865.D	1	06/03/25 14:24	FB060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	163		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	19.6		50 - 150	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
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* = Values outside of QC limits
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CALIBRATION SUMMARY

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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.: Q2176 SAS No.: Q2176 SDG No.: Q2176

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.: Q2176 SAS No.: Q2176 SDG No.: Q2176

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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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.: Q2176 SAS No.: Q2176 SDG No.: Q2176

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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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.: Q2176 SAS No.: Q2176 SDG No.: Q2176

DataFile: FB031876.D Analyst Name: YP/AJ Analyst Date: 06-03-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	2920260	16224	17244	5.915

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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.: Q2176 SAS No.: Q2176 SDG No.: Q2176

DataFile: FB031877.D Analyst Name: YP/AJ Analyst Date: 06-04-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	3258332	18102	17244	4.976

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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.: Q2176 SAS No.: Q2176 SDG No.: Q2176

DataFile: FB031886.D Analyst Name: YP/AJ Analyst Date: 06-04-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	3118827	17327	17244	0.481

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

Analytical Sequence

Client: CDM Smith **SDG No.:** Q2176

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	3 Jun 2025 9:12	FB031856.D	8.789	
VBF0603S1	VBF0603S1	3 Jun 2025 9:55	FB031857.D	8.788	
BSF0603S1	BSF0603S1	3 Jun 2025 10:51	FB031859.D	8.790	
BSF0603S2	BSF0603S2	3 Jun 2025 14:24	FB031865.D	8.788	
20 PPB GRO STD	20 PPB GRO STD	3 Jun 2025 14:52	FB031866.D	8.790	
TP-56	Q2176-02	3 Jun 2025 16:20	FB031868.D	8.789	
TP-25	Q2176-03	3 Jun 2025 16:48	FB031869.D	8.790	
TP-26	Q2176-04	3 Jun 2025 17:15	FB031870.D	8.792	
TP-28	Q2176-05	3 Jun 2025 17:43	FB031871.D	8.791	
TP-27	Q2176-06	3 Jun 2025 18:10	FB031872.D	8.791	
TP-31	Q2176-07	3 Jun 2025 18:38	FB031873.D	8.788	
20 PPB GRO STD	20 PPB GRO STD	3 Jun 2025 20:01	FB031876.D	8.791	
20 PPB GRO STD	20 PPB GRO STD	4 Jun 2025 9:36	FB031877.D	8.792	
VBF0604S2	VBF0604S2	4 Jun 2025 10:47	FB031879.D	8.792	
BSF0604S1	BSF0604S1	4 Jun 2025 11:14	FB031880.D	8.791	
TP-46	Q2176-01	4 Jun 2025 12:48	FB031883.D	8.789	
TP-65	Q2176-08	4 Jun 2025 13:16	FB031884.D	8.790	
20 PPB GRO STD	20 PPB GRO STD	4 Jun 2025 14:11	FB031886.D	8.793	

 # 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\FB060425\
Data File : FB031883.D
Signal(s) : FID2B.CH
Acq On : 4 Jun 2025 12:48
Operator : YP/AJ
Sample : Q2176-01 50X
Misc : 4.75G/5.00 ML MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-46

Integration File: Calibration.e
Quant Time: Jun 05 01:29:55 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	282118	23.120 ng/ml
	Target Compounds			

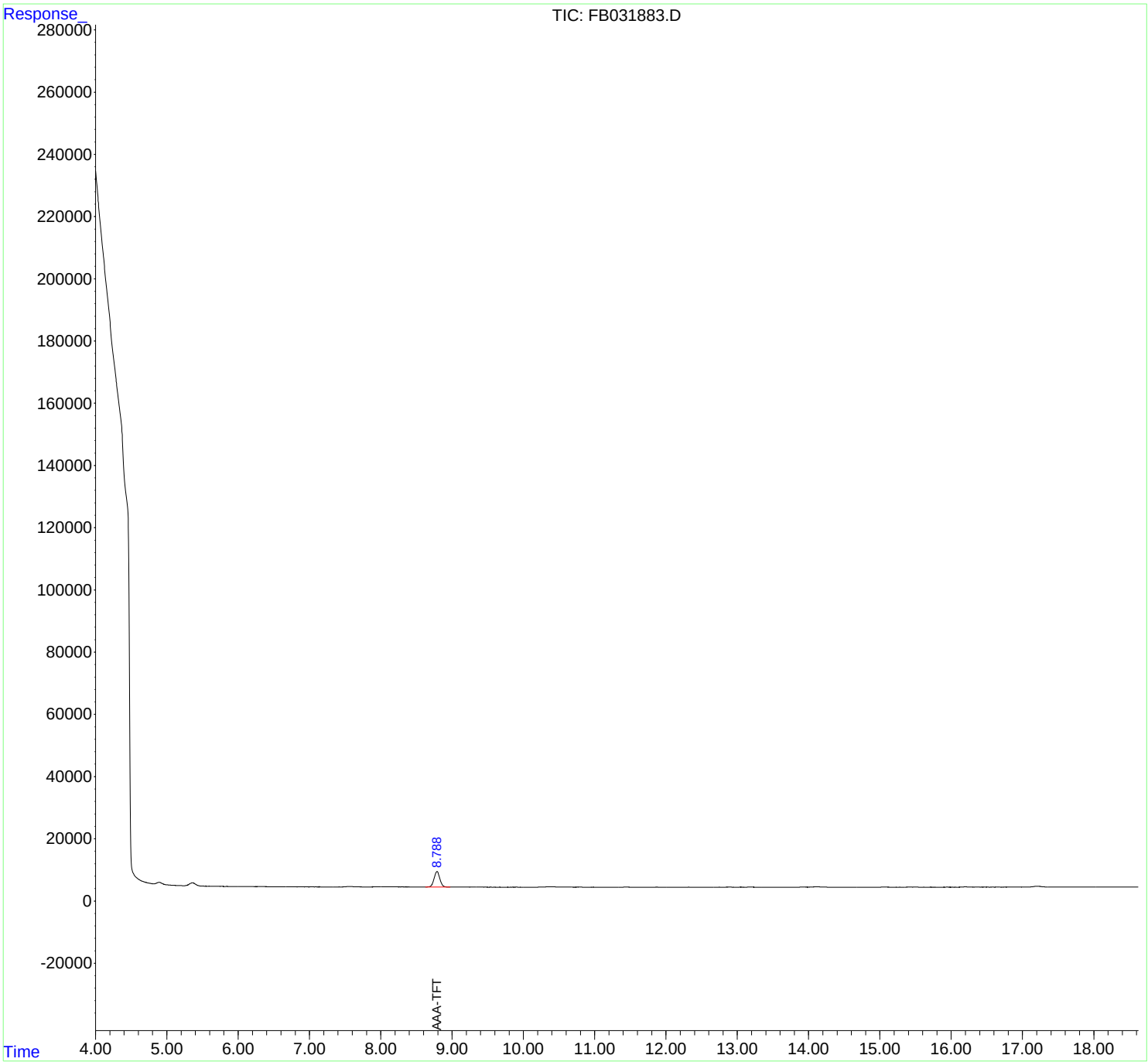
(f)=RT Delta > 1/2 Window (m)=manual int.

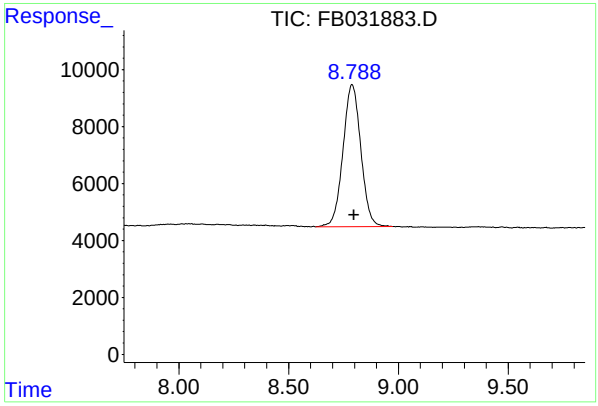
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060425\
Data File : FB031883.D
Signal(s) : FID2B.CH
Acq On : 4 Jun 2025 12:48
Operator : YP/AJ
Sample : Q2176-01 50X
Misc : 4.75G/5.00 ML MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-46

Integration File: Calibration.e
Quant Time: Jun 05 01:29:55 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:	282118
Conc:	23.12 ng/m

Instrument :
FID_B
ClientSampleId :
TP-46

6

A B C D E F G H I

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060425\
Data File : FB031883.D
Signal(s) : FID2B.CH
Acq On : 4 Jun 2025 12:48
Sample : Q2176-01 50X
Misc : 4.75G/5.00 ML MEOH
ALS Vial : 1 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	5.241	5.232	5.248	PV	16	87	0.03%	0.017%
2	5.550	5.536	5.567	PV	22	222	0.08%	0.044%
3	5.592	5.567	5.606	VV	36	491	0.17%	0.097%
4	5.616	5.606	5.645	VV	21	340	0.12%	0.068%
5	5.650	5.645	5.677	VV	20	284	0.10%	0.056%
6	5.684	5.677	5.724	VV	20	453	0.16%	0.090%
7	5.735	5.724	5.747	VV	33	280	0.10%	0.056%
8	5.758	5.747	5.771	PV	31	270	0.09%	0.054%
9	5.782	5.771	5.814	VV	31	387	0.13%	0.077%
10	5.842	5.814	5.907	VV	40	934	0.32%	0.185%
11	5.915	5.907	5.925	PV	14	65	0.02%	0.013%
12	5.951	5.925	5.990	VV	22	595	0.21%	0.118%
13	6.001	5.990	6.024	VV	31	321	0.11%	0.064%
14	6.032	6.024	6.041	VV	27	147	0.05%	0.029%
15	6.051	6.041	6.063	PV	28	183	0.06%	0.036%
16	6.086	6.063	6.105	VV	24	297	0.10%	0.059%
17	6.142	6.105	6.155	VV	22	375	0.13%	0.074%
18	6.172	6.155	6.198	VV	24	451	0.16%	0.090%
19	6.213	6.198	6.252	VV	32	530	0.18%	0.105%
20	6.286	6.252	6.298	VV	37	633	0.22%	0.126%
21	6.312	6.298	6.320	VV	45	460	0.16%	0.091%
22	6.329	6.320	6.339	VV	49	467	0.16%	0.093%
23	6.351	6.339	6.382	VV	54	1033	0.36%	0.205%
24	6.390	6.382	6.427	VV	45	822	0.28%	0.163%
25	6.440	6.427	6.490	VV	30	757	0.26%	0.150%
26	6.500	6.490	6.528	VV	29	439	0.15%	0.087%
27	6.541	6.528	6.560	VV	21	256	0.09%	0.051%
28	6.575	6.560	6.616	VV	28	522	0.18%	0.104%
29	6.642	6.616	6.650	PV	19	212	0.07%	0.042%
30	6.672	6.650	6.694	VV	28	513	0.18%	0.102%
31	6.701	6.694	6.725	VV	30	343	0.12%	0.068%
32	6.735	6.725	6.769	VV	26	397	0.14%	0.079%
33	6.786	6.769	6.797	VV	29	352	0.12%	0.070%
34	6.814	6.797	6.828	VV	32	344	0.12%	0.068%
35	6.872	6.828	6.894	PV	32	816	0.28%	0.162%
36	6.901	6.894	6.911	VV	40	244	0.08%	0.048%

rteres

37	6.923	6.911	6.932	VV	30	247	0.09%	0.049%
38	6.945	6.932	6.957	VV	26	268	0.09%	0.053%
39	6.983	6.957	6.998	VV	29	485	0.17%	0.096%
40	7.011	6.998	7.020	VV	41	350	0.12%	0.070%
41	7.033	7.020	7.046	VV	48	513	0.18%	0.102%
42	7.053	7.046	7.070	VV	30	332	0.12%	0.066%
43	7.083	7.070	7.106	VV	40	613	0.21%	0.122%
44	7.150	7.106	7.162	VV	35	728	0.25%	0.144%
45	7.170	7.162	7.204	VV	15	273	0.09%	0.054%
46	7.253	7.204	7.270	PV	25	428	0.15%	0.085%
47	7.284	7.270	7.303	VV	13	126	0.04%	0.025%
48	7.327	7.303	7.342	PV	20	214	0.07%	0.042%
49	7.387	7.342	7.398	VV	25	567	0.20%	0.113%
50	7.418	7.398	7.450	VV	40	753	0.26%	0.149%
51	7.571	7.450	7.689	VV	170	14372	4.98%	2.852%
52	7.697	7.689	7.715	VV	63	870	0.30%	0.173%
53	7.724	7.715	7.747	VV	51	825	0.29%	0.164%
54	7.762	7.747	7.789	VV	42	829	0.29%	0.165%
55	7.793	7.789	7.802	VV	35	248	0.09%	0.049%
56	7.824	7.802	7.837	VV	44	688	0.24%	0.137%
57	7.951	7.837	7.988	VV	95	5555	1.92%	1.102%
58	8.048	7.988	8.084	VV	108	5495	1.90%	1.090%
59	8.107	8.084	8.161	VV	97	3960	1.37%	0.786%
60	8.175	8.161	8.271	VV	95	4963	1.72%	0.985%
61	8.294	8.271	8.330	VV	75	2252	0.78%	0.447%
62	8.345	8.330	8.389	VV	62	2113	0.73%	0.419%
63	8.395	8.389	8.467	VV	72	2279	0.79%	0.452%
64	8.493	8.467	8.509	VV	56	1233	0.43%	0.245%
65	8.519	8.509	8.600	VV	58	1874	0.65%	0.372%
66	8.789	8.600	9.018	VV	5020	288676	100.00%	57.284%
67	9.056	9.018	9.074	VV	33	906	0.31%	0.180%
68	9.109	9.074	9.169	VV	26	1167	0.40%	0.232%
69	9.186	9.169	9.277	VV	24	1211	0.42%	0.240%
70	9.362	9.277	9.425	VV	46	2647	0.92%	0.525%
71	9.430	9.425	9.446	VV	34	297	0.10%	0.059%
72	9.472	9.446	9.517	VV	36	893	0.31%	0.177%
73	9.544	9.517	9.567	VV	31	544	0.19%	0.108%
74	9.590	9.567	9.648	VV	24	714	0.25%	0.142%
75	9.671	9.648	9.697	VV	21	419	0.14%	0.083%
76	9.746	9.697	9.764	PV	21	531	0.18%	0.105%
77	9.849	9.764	9.881	VV	31	1455	0.50%	0.289%
78	9.903	9.881	9.931	VV	33	807	0.28%	0.160%
79	9.959	9.931	10.011	VV	27	797	0.28%	0.158%
80	10.027	10.011	10.046	VV	21	331	0.11%	0.066%
81	10.061	10.046	10.079	VV	19	253	0.09%	0.050%
82	10.127	10.079	10.141	VV	22	595	0.21%	0.118%
83	10.152	10.141	10.195	VV	20	542	0.19%	0.107%
84	10.389	10.195	10.555	VV	178	20852	7.22%	4.138%
85	10.603	10.555	10.710	VV	94	6157	2.13%	1.222%
86	10.724	10.710	10.737	VV	31	489	0.17%	0.097%
87	10.794	10.737	10.839	VV	51	2327	0.81%	0.462%
88	10.853	10.839	10.895	VV	27	748	0.26%	0.148%
89	10.952	10.895	10.968	VV	35	1088	0.38%	0.216%

rteres

90	10.985	10.968	11.067	VV	43	1522	0.53%	0.302%
91	11.084	11.067	11.168	VV	23	913	0.32%	0.181%
92	11.211	11.168	11.248	PV	31	887	0.31%	0.176%
93	11.275	11.248	11.351	VV	21	635	0.22%	0.126%
94	11.447	11.351	11.540	VV	60	3566	1.24%	0.708%
95	11.582	11.540	11.596	VV	29	697	0.24%	0.138%
96	11.609	11.596	11.629	VV	29	387	0.13%	0.077%
97	11.647	11.629	11.693	VV	18	492	0.17%	0.098%
98	11.750	11.693	11.798	VV	24	1131	0.39%	0.225%
99	11.833	11.798	11.846	VV	22	583	0.20%	0.116%
100	11.877	11.846	11.931	VV	52	1458	0.50%	0.289%
101	11.956	11.931	11.981	VV	22	442	0.15%	0.088%
102	12.000	11.981	12.038	VV	15	346	0.12%	0.069%
103	12.063	12.038	12.088	VV	14	434	0.15%	0.086%
104	12.099	12.088	12.141	VV	23	549	0.19%	0.109%
105	12.160	12.141	12.181	VV	18	312	0.11%	0.062%
106	12.225	12.181	12.262	VV	24	782	0.27%	0.155%
107	12.290	12.262	12.304	VV	25	520	0.18%	0.103%
108	12.323	12.304	12.350	VV	44	724	0.25%	0.144%
109	12.363	12.350	12.395	VV	24	463	0.16%	0.092%
110	12.484	12.395	12.514	VV	25	728	0.25%	0.145%
111	12.545	12.514	12.579	VV	25	570	0.20%	0.113%
112	12.626	12.579	12.677	VV	21	962	0.33%	0.191%
113	12.750	12.677	12.818	VV	44	2359	0.82%	0.468%
114	12.854	12.818	12.869	VV	40	1119	0.39%	0.222%
115	12.882	12.869	12.968	VV	58	2393	0.83%	0.475%
116	13.055	12.968	13.132	VV	52	3306	1.15%	0.656%
117	13.187	13.132	13.293	VV	97	4849	1.68%	0.962%
118	13.319	13.293	13.357	VV	29	710	0.25%	0.141%
119	13.375	13.357	13.393	VV	17	342	0.12%	0.068%
120	13.422	13.393	13.440	VV	27	514	0.18%	0.102%
121	13.456	13.440	13.473	VV	24	360	0.12%	0.071%
122	13.505	13.473	13.539	VV	30	859	0.30%	0.170%
123	13.579	13.539	13.647	VV	31	1489	0.52%	0.295%
124	13.659	13.647	13.703	VV	27	586	0.20%	0.116%
125	13.915	13.703	13.965	VV	71	5585	1.93%	1.108%
126	13.988	13.965	14.012	VV	64	1371	0.48%	0.272%
127	14.131	14.012	14.302	VV	157	15372	5.32%	3.050%
128	14.413	14.302	14.470	VV	37	2544	0.88%	0.505%
129	14.486	14.470	14.505	VV	42	498	0.17%	0.099%
130	14.541	14.505	14.562	VV	29	663	0.23%	0.132%
131	14.600	14.562	14.638	PV	22	545	0.19%	0.108%
132	14.649	14.638	14.664	VV	18	232	0.08%	0.046%
133	14.682	14.664	14.702	VV	28	386	0.13%	0.077%
134	14.719	14.702	14.771	VV	25	609	0.21%	0.121%
135	14.821	14.771	14.842	VV	32	800	0.28%	0.159%
136	14.871	14.842	14.886	VV	22	388	0.13%	0.077%
137	14.911	14.886	14.952	VV	24	736	0.26%	0.146%
138	14.974	14.952	14.997	VV	33	626	0.22%	0.124%
139	15.057	14.997	15.140	VV	105	5306	1.84%	1.053%
140	15.165	15.140	15.192	VV	28	713	0.25%	0.142%
141	15.227	15.192	15.266	VV	32	933	0.32%	0.185%

rteres

142	15.280	15.266	15.311	VV	34	567	0.20%	0.112%
143	15.442	15.311	15.458	VV	65	3110	1.08%	0.617%
144	15.487	15.458	15.579	VV	55	2203	0.76%	0.437%
145	15.617	15.579	15.637	VV	29	510	0.18%	0.101%
146	15.710	15.637	15.735	VV	27	989	0.34%	0.196%
147	15.747	15.735	15.762	VV	26	231	0.08%	0.046%
148	15.779	15.762	15.868	VV	19	619	0.21%	0.123%
149	15.900	15.868	15.918	PV	19	403	0.14%	0.080%
150	15.942	15.918	16.007	VV	39	1182	0.41%	0.234%
151	16.021	16.007	16.076	VV	25	608	0.21%	0.121%
152	16.197	16.076	16.320	VV	126	7966	2.76%	1.581%
153	16.349	16.320	16.453	VV	35	1732	0.60%	0.344%
154	16.467	16.453	16.506	VV	32	680	0.24%	0.135%
155	16.518	16.506	16.542	VV	17	284	0.10%	0.056%
156	16.594	16.542	16.611	PV	29	647	0.22%	0.128%
157	16.644	16.611	16.734	VV	30	937	0.32%	0.186%
158	16.822	16.734	16.854	PV	26	1152	0.40%	0.229%
159	16.886	16.854	16.917	VV	32	846	0.29%	0.168%
160	16.929	16.917	16.940	VV	27	243	0.08%	0.048%
161	16.956	16.940	16.989	VV	26	510	0.18%	0.101%
			Sum of corrected areas:			503937		

FB053025.M Thu Jun 05 02:05:03 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031868.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 16:20
Operator : YP/AJ
Sample : Q2176-02
Misc : 4.38G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-56

Integration File: Calibration.e
Quant Time: Jun 04 01:21:49 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	277591	22.749 ng/ml
Target Compounds			

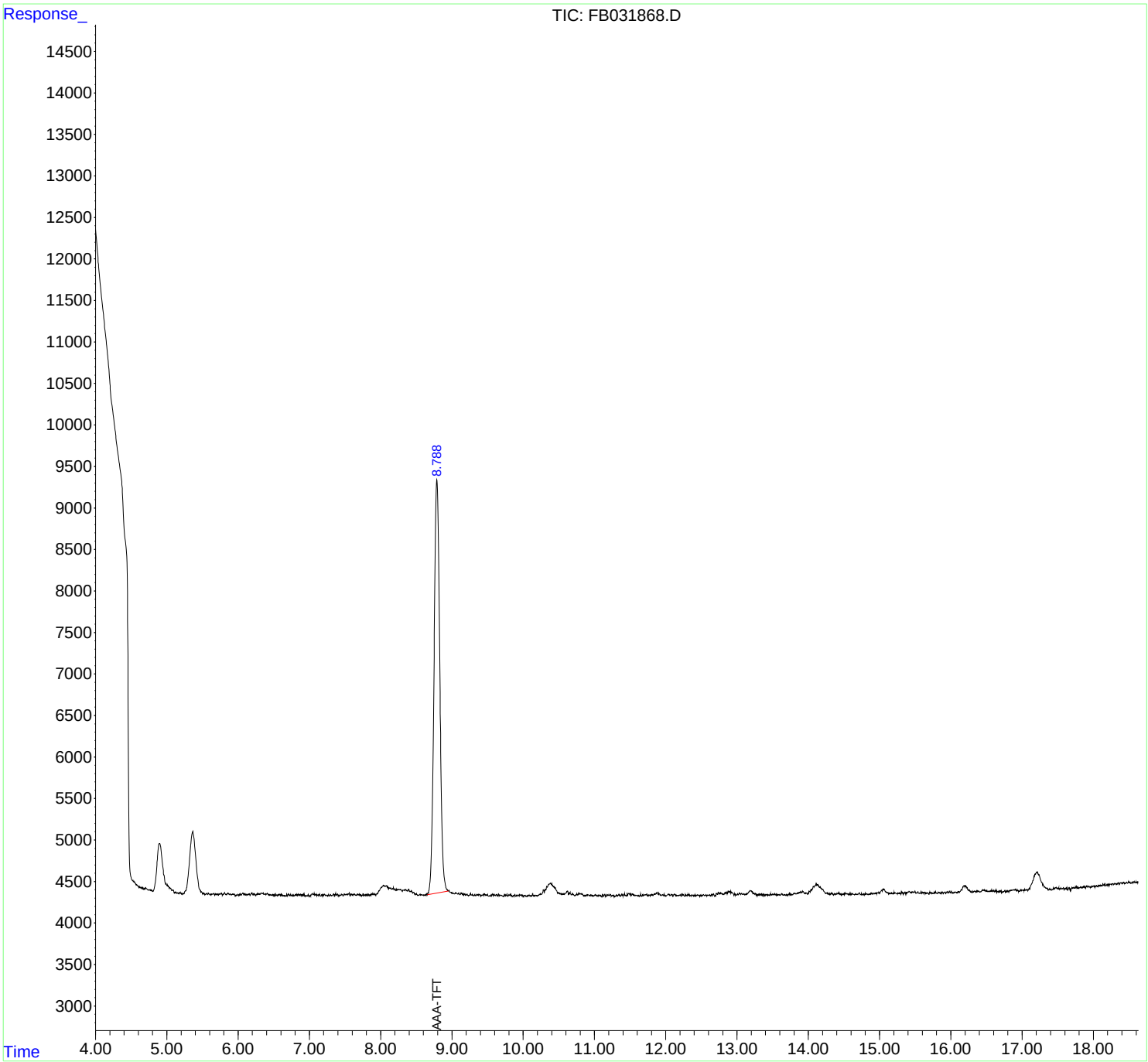
(f)=RT Delta > 1/2 Window (m)=manual int.

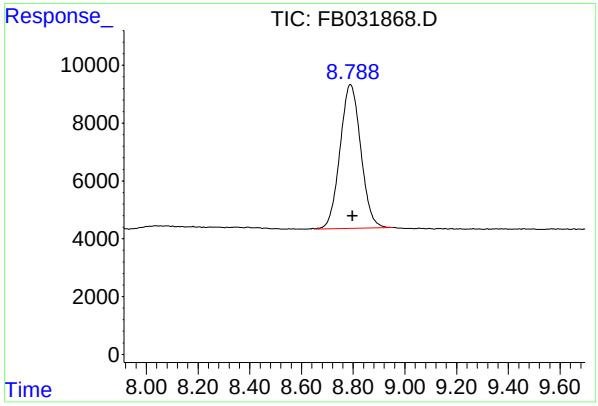
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031868.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 16:20
Operator : YP/AJ
Sample : Q2176-02
Misc : 4.38G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-56

Integration File: Calibration.e
Quant Time: Jun 04 01:21:49 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.: -0.008 mi
Response: 277591
Conc: 22.75 ng/m

Instrument :
FID_B
ClientSampleId :
TP-56

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 : FB031868.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 16:20
Sample : Q2176-02
Misc : 4.38G/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	4.636	4.629	4.671	PV	11	193	0.07%	0.040%
2	4.679	4.671	4.689	PV	12	77	0.03%	0.016%
3	4.703	4.689	4.757	VV	27	502	0.18%	0.104%
4	4.765	4.757	4.775	VV	16	96	0.03%	0.020%
5	4.785	4.775	4.809	VV	15	106	0.04%	0.022%
6	5.088	5.070	5.115	VV	42	741	0.26%	0.153%
7	5.127	5.115	5.169	VV	16	358	0.12%	0.074%
8	5.186	5.169	5.194	VV	20	204	0.07%	0.042%
9	5.201	5.194	5.212	VV	17	115	0.04%	0.024%
10	5.216	5.212	5.222	VV	6	26	0.01%	0.005%
11	5.560	5.538	5.575	VV	24	332	0.12%	0.069%
12	5.584	5.575	5.613	VV	28	365	0.13%	0.076%
13	5.657	5.613	5.683	VV	22	655	0.23%	0.136%
14	5.692	5.683	5.704	VV	22	213	0.07%	0.044%
15	5.714	5.704	5.728	VV	25	241	0.08%	0.050%
16	5.760	5.728	5.780	VV	32	683	0.24%	0.141%
17	5.811	5.780	5.829	VV	41	695	0.24%	0.144%
18	5.856	5.829	5.879	VV	38	780	0.27%	0.161%
19	5.889	5.879	5.906	VV	31	376	0.13%	0.078%
20	5.930	5.906	5.942	VV	29	514	0.18%	0.106%
21	5.949	5.942	5.963	VV	31	227	0.08%	0.047%
22	5.996	5.963	6.012	PV	24	429	0.15%	0.089%
23	6.029	6.012	6.049	VV	29	465	0.16%	0.096%
24	6.070	6.049	6.088	VV	42	749	0.26%	0.155%
25	6.097	6.088	6.139	VV	36	730	0.25%	0.151%
26	6.159	6.139	6.169	VV	34	452	0.16%	0.094%
27	6.198	6.169	6.212	VV	44	744	0.26%	0.154%
28	6.224	6.212	6.233	VV	36	362	0.13%	0.075%
29	6.237	6.233	6.247	VV	27	157	0.05%	0.032%
30	6.325	6.247	6.369	VV	43	2260	0.79%	0.468%
31	6.385	6.369	6.393	VV	33	408	0.14%	0.084%
32	6.408	6.393	6.442	VV	39	791	0.28%	0.164%
33	6.455	6.442	6.466	VV	26	295	0.10%	0.061%
34	6.485	6.466	6.511	VV	29	469	0.16%	0.097%
35	6.522	6.511	6.531	VV	32	246	0.09%	0.051%
36	6.539	6.531	6.552	VV	22	206	0.07%	0.043%

rteres

37	6.584	6.552	6.602	VV	29	577	0.20%	0.120%
38	6.610	6.602	6.632	VV	31	322	0.11%	0.067%
39	6.681	6.632	6.691	VV	20	374	0.13%	0.077%
40	6.708	6.691	6.724	VV	34	398	0.14%	0.082%
41	6.735	6.724	6.758	VV	23	321	0.11%	0.067%
42	6.766	6.758	6.786	VV	20	208	0.07%	0.043%
43	6.808	6.786	6.819	VV	24	319	0.11%	0.066%
44	6.825	6.819	6.833	VV	28	157	0.05%	0.033%
45	6.841	6.833	6.864	VV	30	381	0.13%	0.079%
46	6.875	6.864	6.884	VV	32	281	0.10%	0.058%
47	6.891	6.884	6.911	VV	24	293	0.10%	0.061%
48	6.918	6.911	6.942	VV	27	312	0.11%	0.065%
49	6.953	6.942	6.972	PV	15	162	0.06%	0.034%
50	6.983	6.972	6.993	VV	27	187	0.07%	0.039%
51	7.042	6.993	7.059	VV	35	702	0.25%	0.145%
52	7.068	7.059	7.090	VV	39	499	0.17%	0.103%
53	7.099	7.090	7.131	VV	28	498	0.17%	0.103%
54	7.143	7.131	7.161	VV	28	296	0.10%	0.061%
55	7.211	7.161	7.226	VV	32	754	0.26%	0.156%
56	7.234	7.226	7.254	VV	21	248	0.09%	0.051%
57	7.263	7.254	7.280	VV	21	237	0.08%	0.049%
58	7.296	7.280	7.319	VV	24	346	0.12%	0.072%
59	7.339	7.319	7.359	VV	37	540	0.19%	0.112%
60	7.370	7.359	7.380	VV	39	290	0.10%	0.060%
61	7.395	7.380	7.405	VV	30	352	0.12%	0.073%
62	7.461	7.405	7.475	VV	28	734	0.26%	0.152%
63	7.488	7.475	7.505	VV	31	421	0.15%	0.087%
64	7.559	7.505	7.570	VV	47	1106	0.39%	0.229%
65	7.580	7.570	7.614	VV	31	661	0.23%	0.137%
66	7.634	7.614	7.644	VV	34	486	0.17%	0.101%
67	7.649	7.644	7.656	VV	22	134	0.05%	0.028%
68	7.682	7.656	7.697	VV	33	619	0.22%	0.128%
69	7.704	7.697	7.713	VV	32	202	0.07%	0.042%
70	7.721	7.713	7.742	VV	24	314	0.11%	0.065%
71	7.752	7.742	7.764	VV	37	292	0.10%	0.060%
72	7.772	7.764	7.777	VV	22	125	0.04%	0.026%
73	7.811	7.777	7.820	VV	32	540	0.19%	0.112%
74	7.829	7.820	7.838	VV	33	235	0.08%	0.049%
75	7.875	7.838	7.885	VV	31	710	0.25%	0.147%
76	7.893	7.885	7.904	VV	37	348	0.12%	0.072%
77	7.915	7.904	7.933	VV	38	487	0.17%	0.101%
78	8.038	7.933	8.066	VV	137	7200	2.51%	1.491%
79	8.083	8.066	8.112	VV	134	3337	1.17%	0.691%
80	8.125	8.112	8.133	VV	108	1335	0.47%	0.276%
81	8.139	8.133	8.153	VV	106	1202	0.42%	0.249%
82	8.167	8.153	8.174	VV	99	1181	0.41%	0.245%
83	8.182	8.174	8.193	VV	111	1097	0.38%	0.227%
84	8.204	8.193	8.233	VV	97	2115	0.74%	0.438%
85	8.251	8.233	8.276	VV	91	2231	0.78%	0.462%
86	8.285	8.276	8.306	VV	88	1425	0.50%	0.295%
87	8.315	8.306	8.333	VV	82	1309	0.46%	0.271%
88	8.348	8.333	8.379	VV	91	2154	0.75%	0.446%
89	8.393	8.379	8.417	VV	90	1692	0.59%	0.350%

rteres

90	8.431	8.417	8.450	VV	69	1225	0.43%	0.254%
91	8.464	8.450	8.479	VV	57	824	0.29%	0.171%
92	8.486	8.479	8.535	VV	36	925	0.32%	0.192%
93	8.553	8.535	8.562	VV	34	387	0.14%	0.080%
94	8.571	8.562	8.600	VV	28	510	0.18%	0.106%
95	8.645	8.600	8.653	VV	40	786	0.27%	0.163%
96	8.790	8.653	8.954	VV	5023	286311	100.00%	59.295%
97	8.960	8.954	9.037	VV	78	2552	0.89%	0.529%
98	9.058	9.037	9.085	VV	50	1174	0.41%	0.243%
99	9.097	9.085	9.114	VV	44	626	0.22%	0.130%
100	9.135	9.114	9.150	VV	45	756	0.26%	0.157%
101	9.157	9.150	9.167	VV	42	327	0.11%	0.068%
102	9.183	9.167	9.194	VV	37	446	0.16%	0.092%
103	9.214	9.194	9.235	VV	37	594	0.21%	0.123%
104	9.266	9.235	9.279	VV	37	641	0.22%	0.133%
105	9.287	9.279	9.304	VV	32	313	0.11%	0.065%
106	9.319	9.304	9.346	VV	31	499	0.17%	0.103%
107	9.355	9.346	9.384	VV	32	578	0.20%	0.120%
108	9.390	9.384	9.415	VV	31	421	0.15%	0.087%
109	9.444	9.415	9.485	VV	35	1031	0.36%	0.213%
110	9.498	9.485	9.516	VV	28	352	0.12%	0.073%
111	9.567	9.516	9.611	VV	33	1146	0.40%	0.237%
112	9.630	9.611	9.639	VV	30	358	0.13%	0.074%
113	9.655	9.639	9.664	VV	35	313	0.11%	0.065%
114	9.675	9.664	9.688	VV	23	272	0.10%	0.056%
115	9.697	9.688	9.721	VV	20	263	0.09%	0.054%
116	9.741	9.721	9.760	VV	31	400	0.14%	0.083%
117	9.773	9.760	9.783	VV	33	294	0.10%	0.061%
118	9.802	9.783	9.814	VV	29	357	0.12%	0.074%
119	9.825	9.814	9.854	VV	29	425	0.15%	0.088%
120	9.883	9.854	9.897	VV	30	409	0.14%	0.085%
121	9.909	9.897	9.918	VV	24	192	0.07%	0.040%
122	9.930	9.918	9.942	VV	24	287	0.10%	0.059%
123	9.951	9.942	9.962	VV	33	278	0.10%	0.058%
124	9.969	9.962	10.007	VV	26	513	0.18%	0.106%
125	10.029	10.007	10.041	VV	22	300	0.10%	0.062%
126	10.082	10.041	10.099	VV	23	500	0.17%	0.104%
127	10.107	10.099	10.120	VV	19	161	0.06%	0.033%
128	10.133	10.120	10.167	VV	44	526	0.18%	0.109%
129	10.179	10.167	10.202	VV	21	340	0.12%	0.070%
130	10.250	10.202	10.259	VV	37	975	0.34%	0.202%
131	10.286	10.259	10.309	VV	89	1908	0.67%	0.395%
132	10.382	10.309	10.543	VV	164	14420	5.04%	2.986%
133	10.624	10.543	10.636	VV	72	2536	0.89%	0.525%
134	10.657	10.636	10.677	VV	57	1019	0.36%	0.211%
135	10.692	10.677	10.724	VV	45	803	0.28%	0.166%
136	10.813	10.724	10.855	VV	44	2436	0.85%	0.505%
137	10.910	10.855	10.932	VV	30	976	0.34%	0.202%
138	10.949	10.932	10.984	VV	22	572	0.20%	0.119%
139	11.011	10.984	11.041	VV	31	672	0.23%	0.139%
140	11.061	11.041	11.106	VV	29	623	0.22%	0.129%
141	11.142	11.106	11.167	PV	33	663	0.23%	0.137%

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142	11.179	11.167	11.210	VV	26	544	0.19%	0.113%
143	11.223	11.210	11.240	VV	33	389	0.14%	0.081%
144	11.256	11.240	11.281	VV	22	363	0.13%	0.075%
145	11.344	11.281	11.365	VV	33	805	0.28%	0.167%
146	11.384	11.365	11.404	VV	26	469	0.16%	0.097%
147	11.418	11.404	11.451	VV	28	630	0.22%	0.130%
148	11.485	11.451	11.518	VV	39	1251	0.44%	0.259%
149	11.532	11.518	11.628	VV	37	1289	0.45%	0.267%
150	11.649	11.628	11.664	VV	31	362	0.13%	0.075%
151	11.732	11.664	11.766	VV	31	1269	0.44%	0.263%
152	11.811	11.766	11.823	VV	28	692	0.24%	0.143%
153	11.877	11.823	11.896	VV	54	1497	0.52%	0.310%
154	11.906	11.896	11.938	VV	39	719	0.25%	0.149%
155	11.955	11.938	12.004	VV	22	699	0.24%	0.145%
156	12.038	12.004	12.068	VV	29	774	0.27%	0.160%
157	12.083	12.068	12.102	VV	24	378	0.13%	0.078%
158	12.121	12.102	12.155	VV	32	565	0.20%	0.117%
159	12.201	12.155	12.219	VV	16	525	0.18%	0.109%
160	12.230	12.219	12.264	VV	31	492	0.17%	0.102%
161	12.313	12.264	12.343	VV	25	688	0.24%	0.142%
162	12.370	12.343	12.395	VV	21	395	0.14%	0.082%
163	12.446	12.395	12.514	VV	20	890	0.31%	0.184%
164	12.529	12.514	12.550	VV	24	330	0.12%	0.068%
165	12.671	12.550	12.690	VV	30	1291	0.45%	0.267%
166	12.713	12.690	12.729	VV	35	504	0.18%	0.104%
167	12.741	12.729	12.759	VV	49	663	0.23%	0.137%
168	12.774	12.759	12.812	VV	38	1043	0.36%	0.216%
169	12.882	12.812	12.995	VV	61	4170	1.46%	0.864%
170	13.037	12.995	13.052	VV	35	845	0.30%	0.175%
171	13.066	13.052	13.080	VV	35	460	0.16%	0.095%
172	13.092	13.080	13.113	VV	28	431	0.15%	0.089%
173	13.186	13.113	13.296	VV	70	3971	1.39%	0.822%
174	13.310	13.296	13.330	VV	28	360	0.13%	0.075%
175	13.340	13.330	13.385	VV	27	501	0.17%	0.104%
176	13.419	13.385	13.488	PV	20	821	0.29%	0.170%
177	13.501	13.488	13.522	VV	19	349	0.12%	0.072%
178	13.532	13.522	13.607	VV	29	773	0.27%	0.160%
179	13.626	13.607	13.653	VV	27	444	0.15%	0.092%
180	13.667	13.653	13.689	VV	14	227	0.08%	0.047%
181	13.740	13.689	13.780	VV	33	766	0.27%	0.159%
182	13.810	13.780	13.834	VV	32	754	0.26%	0.156%
183	13.925	13.834	13.992	VV	49	3344	1.17%	0.693%
184	14.112	13.992	14.312	VV	147	13513	4.72%	2.799%
185	14.329	14.312	14.394	VV	30	821	0.29%	0.170%
186	14.427	14.394	14.475	VV	29	904	0.32%	0.187%
187	14.486	14.475	14.500	VV	13	191	0.07%	0.040%
188	14.521	14.500	14.574	VV	23	710	0.25%	0.147%
189	14.588	14.574	14.607	VV	16	256	0.09%	0.053%
190	14.622	14.607	14.652	VV	20	324	0.11%	0.067%
191	14.718	14.652	14.763	VV	29	851	0.30%	0.176%
192	14.799	14.763	14.840	VV	21	504	0.18%	0.104%
193	14.881	14.840	14.911	VV	16	570	0.20%	0.118%
194	15.059	14.911	15.155	VV	69	4803	1.68%	0.995%

rteres

195	15.169	15.155	15.195	VV	21	413	0.14%	0.086%
196	15.210	15.195	15.250	VV	27	606	0.21%	0.126%
197	15.262	15.250	15.300	VV	21	514	0.18%	0.106%
198	15.311	15.300	15.335	VV	31	463	0.16%	0.096%
199	15.416	15.335	15.446	VV	40	1820	0.64%	0.377%
200	15.467	15.446	15.490	VV	33	760	0.27%	0.157%
201	15.497	15.490	15.514	VV	43	434	0.15%	0.090%
202	15.539	15.514	15.693	VV	38	2193	0.77%	0.454%
203	15.709	15.693	15.753	PV	29	585	0.20%	0.121%
204	15.788	15.753	15.812	VV	21	601	0.21%	0.125%
205	15.829	15.812	15.931	VV	27	1259	0.44%	0.261%
206	15.947	15.931	16.040	VV	27	1362	0.48%	0.282%
207	16.064	16.040	16.092	VV	24	546	0.19%	0.113%
208	16.105	16.092	16.126	VV	25	445	0.16%	0.092%
209	16.201	16.126	16.304	VV	100	5878	2.05%	1.217%
210	16.334	16.304	16.350	VV	29	653	0.23%	0.135%
211	16.449	16.350	16.521	VV	46	2895	1.01%	0.600%
212	16.577	16.521	16.589	VV	34	1013	0.35%	0.210%
213	16.601	16.589	16.621	VV	29	485	0.17%	0.101%
214	16.633	16.621	16.693	VV	30	855	0.30%	0.177%
215	16.703	16.693	16.718	VV	18	220	0.08%	0.046%
216	16.755	16.718	16.771	PV	26	443	0.15%	0.092%
217	16.905	16.771	16.972	VV	31	1889	0.66%	0.391%
218	16.983	16.972	16.995	PV	14	127	0.04%	0.026%
			Sum of corrected areas:			482860		

FB053025.M Wed Jun 04 02:19:42 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031869.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 16:48
Operator : YP/AJ
Sample : Q2176-03
Misc : 5.76G/5.00 ML DI WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-25

Integration File: Calibration.e
Quant Time: Jun 04 01:21:55 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	272383	22.322 ng/ml
Target Compounds			

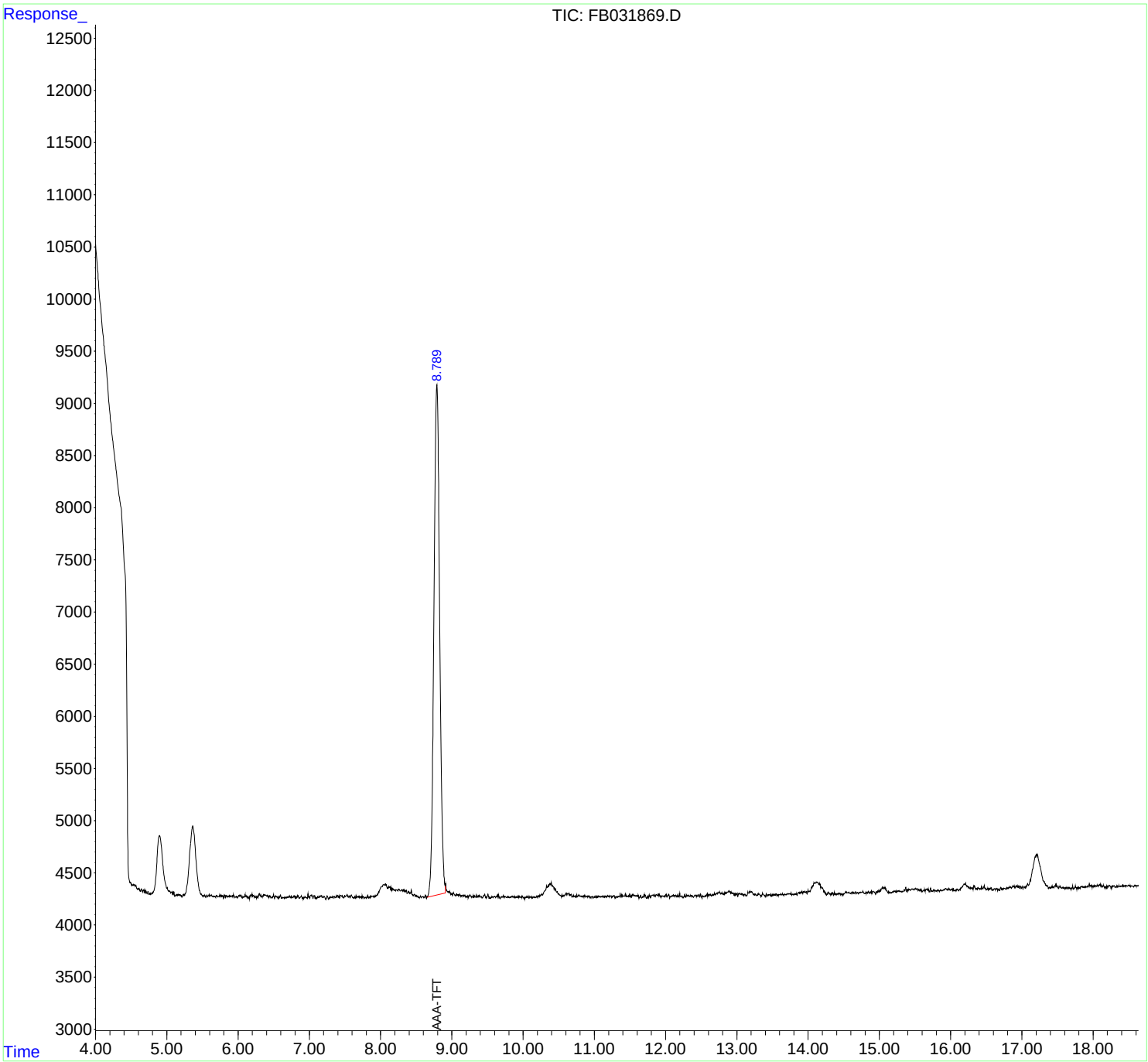
(f)=RT Delta > 1/2 Window (m)=manual int.

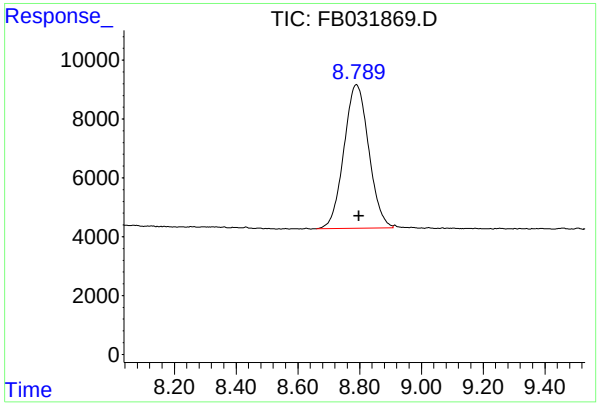
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031869.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 16:48
Operator : YP/AJ
Sample : Q2176-03
Misc : 5.76G/5.00 ML DI WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-25

Integration File: Calibration.e
Quant Time: Jun 04 01:21:55 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: 272383
Conc: 22.32 ng/m

Instrument :
FID_B
ClientSampleId :
TP-25

6
A
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I

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031869.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 16:48
Sample : Q2176-03
Misc : 5.76G/5.00 ML DI WATER
ALS Vial : 12 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	4.673	4.661	4.682	PV	21	142	0.05%	0.032%
2	4.688	4.682	4.724	VV	21	268	0.10%	0.061%
3	4.736	4.724	4.750	PV	25	136	0.05%	0.031%
4	4.762	4.750	4.778	PV	9	60	0.02%	0.014%
5	4.793	4.778	4.801	VV	17	136	0.05%	0.031%
6	5.071	5.055	5.082	VV	40	486	0.18%	0.110%
7	5.099	5.082	5.120	VV	41	425	0.15%	0.096%
8	5.159	5.120	5.167	VV	19	278	0.10%	0.063%
9	5.177	5.167	5.216	VV	19	316	0.11%	0.072%
10	5.519	5.509	5.527	VV	22	164	0.06%	0.037%
11	5.534	5.527	5.551	VV	21	172	0.06%	0.039%
12	5.563	5.551	5.574	VV	23	194	0.07%	0.044%
13	5.593	5.574	5.604	VV	29	284	0.10%	0.064%
14	5.628	5.604	5.653	VV	25	489	0.18%	0.111%
15	5.660	5.653	5.686	VV	17	205	0.07%	0.046%
16	5.703	5.686	5.718	VV	23	284	0.10%	0.064%
17	5.777	5.718	5.796	VV	26	750	0.27%	0.170%
18	5.810	5.796	5.821	PV	30	246	0.09%	0.056%
19	5.831	5.821	5.840	VV	28	218	0.08%	0.049%
20	5.845	5.840	5.852	VV	19	118	0.04%	0.027%
21	5.864	5.852	5.874	VV	19	222	0.08%	0.050%
22	5.938	5.874	5.957	VV	31	936	0.34%	0.212%
23	6.042	5.957	6.063	VV	32	1099	0.40%	0.249%
24	6.098	6.063	6.157	VV	35	846	0.31%	0.192%
25	6.196	6.157	6.258	PV	36	1324	0.48%	0.300%
26	6.269	6.258	6.279	VV	15	152	0.06%	0.035%
27	6.304	6.279	6.329	VV	46	864	0.31%	0.196%
28	6.343	6.329	6.351	VV	28	322	0.12%	0.073%
29	6.361	6.351	6.375	VV	38	470	0.17%	0.107%
30	6.381	6.375	6.403	VV	34	532	0.19%	0.121%
31	6.416	6.403	6.428	VV	32	373	0.13%	0.085%
32	6.441	6.428	6.473	VV	27	502	0.18%	0.114%
33	6.498	6.473	6.514	VV	37	482	0.17%	0.109%
34	6.529	6.514	6.573	VV	30	600	0.22%	0.136%
35	6.597	6.573	6.611	VV	37	483	0.17%	0.110%
36	6.620	6.611	6.625	VV	11	76	0.03%	0.017%

rteres

37	6.633	6.625	6.661	VV	16	250	0.09%	0.057%
38	6.699	6.661	6.708	VV	23	438	0.16%	0.099%
39	6.721	6.708	6.738	VV	29	371	0.13%	0.084%
40	6.747	6.738	6.756	VV	32	217	0.08%	0.049%
41	6.796	6.756	6.806	VV	32	581	0.21%	0.132%
42	6.814	6.806	6.823	VV	26	183	0.07%	0.041%
43	6.834	6.823	6.867	VV	30	573	0.21%	0.130%
44	6.888	6.867	6.924	VV	30	539	0.19%	0.122%
45	6.943	6.924	6.972	VV	25	422	0.15%	0.096%
46	6.981	6.972	7.003	VV	47	460	0.17%	0.104%
47	7.028	7.003	7.053	VV	41	865	0.31%	0.196%
48	7.066	7.053	7.084	VV	33	422	0.15%	0.096%
49	7.120	7.084	7.129	VV	29	431	0.16%	0.098%
50	7.175	7.129	7.185	VV	38	865	0.31%	0.196%
51	7.210	7.185	7.231	VV	31	529	0.19%	0.120%
52	7.253	7.231	7.271	PV	34	419	0.15%	0.095%
53	7.294	7.271	7.313	VV	28	410	0.15%	0.093%
54	7.325	7.313	7.335	VV	25	238	0.09%	0.054%
55	7.353	7.335	7.363	VV	25	330	0.12%	0.075%
56	7.396	7.363	7.429	VV	38	882	0.32%	0.200%
57	7.440	7.429	7.484	VV	36	806	0.29%	0.183%
58	7.531	7.484	7.553	VV	42	1011	0.37%	0.229%
59	7.565	7.553	7.574	VV	30	255	0.09%	0.058%
60	7.591	7.574	7.635	VV	34	604	0.22%	0.137%
61	7.658	7.635	7.669	VV	23	319	0.12%	0.072%
62	7.693	7.669	7.704	VV	20	330	0.12%	0.075%
63	7.711	7.704	7.724	VV	18	149	0.05%	0.034%
64	7.730	7.724	7.736	VV	19	88	0.03%	0.020%
65	7.744	7.736	7.774	VV	23	288	0.10%	0.065%
66	7.787	7.774	7.799	VV	9	69	0.03%	0.016%
67	7.821	7.799	7.831	PV	30	229	0.08%	0.052%
68	7.840	7.831	7.854	PV	9	83	0.03%	0.019%
69	7.869	7.854	7.877	PV	13	109	0.04%	0.025%
70	7.888	7.877	7.941	VV	9	135	0.05%	0.031%
71	8.044	7.941	8.053	VV	92	3629	1.31%	0.823%
72	8.068	8.053	8.103	VV	94	2224	0.80%	0.504%
73	8.115	8.103	8.210	VB	56	2013	0.73%	0.456%
74	8.256	8.220	8.279	BV	16	200	0.07%	0.045%
75	8.293	8.279	8.317	VV	18	329	0.12%	0.075%
76	8.326	8.317	8.351	VV	30	447	0.16%	0.101%
77	8.362	8.351	8.375	VV	32	270	0.10%	0.061%
78	8.397	8.375	8.414	VV	24	383	0.14%	0.087%
79	8.433	8.414	8.457	VV	47	515	0.19%	0.117%
80	8.474	8.457	8.534	VV	19	392	0.14%	0.089%
81	8.561	8.534	8.573	PV	17	147	0.05%	0.033%
82	8.598	8.573	8.614	PV	14	217	0.08%	0.049%
83	8.629	8.614	8.644	VV	29	246	0.09%	0.056%
84	8.654	8.644	8.659	PV	15	80	0.03%	0.018%
85	8.790	8.659	8.908	VV	4918	276841	100.00%	62.766%
86	9.025	9.011	9.052	VV	53	917	0.33%	0.208%
87	9.069	9.052	9.138	VV	43	1580	0.57%	0.358%
88	9.175	9.138	9.232	VV	31	1195	0.43%	0.271%
89	9.256	9.232	9.297	VV	35	772	0.28%	0.175%

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90	9.340	9.297	9.425	VV	30	1389	0.50%	0.315%
91	9.459	9.425	9.485	VV	36	709	0.26%	0.161%
92	9.508	9.485	9.542	VV	43	536	0.19%	0.122%
93	9.601	9.542	9.615	VV	23	619	0.22%	0.140%
94	9.649	9.615	9.681	VV	21	730	0.26%	0.165%
95	9.722	9.681	9.767	VV	27	852	0.31%	0.193%
96	9.783	9.767	9.831	VV	19	552	0.20%	0.125%
97	9.848	9.831	9.917	VV	25	842	0.30%	0.191%
98	9.926	9.917	9.966	VV	24	487	0.18%	0.110%
99	9.990	9.966	10.020	VV	27	470	0.17%	0.107%
100	10.047	10.020	10.085	PV	19	528	0.19%	0.120%
101	10.099	10.085	10.179	VV	13	744	0.27%	0.169%
102	10.396	10.179	10.563	VV	145	15714	5.68%	3.563%
103	10.603	10.563	10.694	VV	49	2879	1.04%	0.653%
104	10.785	10.694	10.831	VV	37	1842	0.67%	0.418%
105	10.864	10.831	10.882	VV	33	647	0.23%	0.147%
106	10.898	10.882	10.909	VV	21	290	0.10%	0.066%
107	10.927	10.909	10.946	VV	24	384	0.14%	0.087%
108	11.063	10.946	11.086	VV	25	1284	0.46%	0.291%
109	11.121	11.086	11.142	VV	26	609	0.22%	0.138%
110	11.156	11.142	11.171	VV	23	317	0.11%	0.072%
111	11.188	11.171	11.214	VV	26	518	0.19%	0.118%
112	11.230	11.214	11.248	VV	24	410	0.15%	0.093%
113	11.276	11.248	11.301	VV	26	545	0.20%	0.124%
114	11.364	11.301	11.420	VV	38	1502	0.54%	0.341%
115	11.434	11.420	11.487	VV	45	921	0.33%	0.209%
116	11.494	11.487	11.529	VV	41	549	0.20%	0.124%
117	11.545	11.529	11.590	VV	39	1028	0.37%	0.233%
118	11.598	11.590	11.640	VV	32	562	0.20%	0.127%
119	11.651	11.640	11.666	VV	28	223	0.08%	0.051%
120	11.705	11.666	11.734	VV	34	721	0.26%	0.163%
121	11.823	11.734	11.858	PV	33	1455	0.53%	0.330%
122	11.872	11.858	11.891	VV	35	567	0.20%	0.129%
123	11.898	11.891	11.941	VV	44	772	0.28%	0.175%
124	11.955	11.941	11.980	VV	21	408	0.15%	0.092%
125	12.006	11.980	12.021	VV	36	554	0.20%	0.126%
126	12.044	12.021	12.061	VV	32	488	0.18%	0.111%
127	12.106	12.061	12.173	VV	28	1219	0.44%	0.276%
128	12.202	12.173	12.247	VV	40	656	0.24%	0.149%
129	12.267	12.247	12.289	PV	29	330	0.12%	0.075%
130	12.299	12.289	12.336	VV	23	520	0.19%	0.118%
131	12.372	12.336	12.392	VV	20	525	0.19%	0.119%
132	12.414	12.392	12.459	VV	25	635	0.23%	0.144%
133	12.491	12.459	12.545	VV	30	675	0.24%	0.153%
134	12.584	12.545	12.604	VV	32	663	0.24%	0.150%
135	12.619	12.604	12.659	VV	32	763	0.28%	0.173%
136	12.749	12.659	12.815	VV	50	3209	1.16%	0.728%
137	12.892	12.815	12.992	VV	60	4136	1.49%	0.938%
138	13.001	12.992	13.016	VV	28	358	0.13%	0.081%
139	13.042	13.016	13.058	VV	35	671	0.24%	0.152%
140	13.070	13.058	13.101	VV	32	611	0.22%	0.139%
141	13.115	13.101	13.140	VV	28	389	0.14%	0.088%

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142	13.205	13.140	13.285	VV	50	2713	0.98%	0.615%
143	13.308	13.285	13.349	VV	23	620	0.22%	0.141%
144	13.364	13.349	13.398	VV	28	473	0.17%	0.107%
145	13.413	13.398	13.449	PV	26	409	0.15%	0.093%
146	13.457	13.449	13.489	VV	19	296	0.11%	0.067%
147	13.552	13.489	13.566	VV	25	654	0.24%	0.148%
148	13.620	13.566	13.658	VV	28	843	0.30%	0.191%
149	13.676	13.658	13.691	VV	18	311	0.11%	0.071%
150	13.720	13.691	13.795	VV	25	1151	0.42%	0.261%
151	13.907	13.795	13.984	VV	37	3121	1.13%	0.708%
152	14.119	13.984	14.261	VV	127	12659	4.57%	2.870%
153	14.283	14.261	14.315	VV	30	536	0.19%	0.121%
154	14.326	14.315	14.401	VV	26	694	0.25%	0.157%
155	14.528	14.401	14.599	VV	31	1711	0.62%	0.388%
156	14.629	14.599	14.646	VV	20	505	0.18%	0.114%
157	14.661	14.646	14.674	VV	24	280	0.10%	0.063%
158	14.769	14.674	14.793	VV	32	1364	0.49%	0.309%
159	14.814	14.793	14.869	VV	24	816	0.29%	0.185%
160	14.887	14.869	14.950	VV	39	966	0.35%	0.219%
161	15.040	14.950	15.161	PV	67	4230	1.53%	0.959%
162	15.210	15.161	15.267	VV	24	1226	0.44%	0.278%
163	15.278	15.267	15.320	VV	30	668	0.24%	0.151%
164	15.371	15.320	15.387	VV	57	1182	0.43%	0.268%
165	15.423	15.387	15.437	VV	36	984	0.36%	0.223%
166	15.472	15.437	15.492	VV	42	1263	0.46%	0.286%
167	15.509	15.492	15.609	VV	46	2214	0.80%	0.502%
168	15.663	15.609	15.701	VV	33	1399	0.51%	0.317%
169	15.718	15.701	15.736	VV	43	468	0.17%	0.106%
170	15.760	15.736	15.804	VV	28	715	0.26%	0.162%
171	15.828	15.804	15.845	VV	26	410	0.15%	0.093%
172	15.862	15.845	15.879	VV	21	366	0.13%	0.083%
173	15.930	15.879	15.954	VV	34	1145	0.41%	0.260%
174	15.979	15.954	15.996	VV	32	672	0.24%	0.152%
175	16.034	15.996	16.112	VV	37	1360	0.49%	0.308%
176	16.208	16.112	16.302	VV	78	5056	1.83%	1.146%
177	16.334	16.302	16.377	VV	48	1478	0.53%	0.335%
178	16.391	16.377	16.409	VV	29	516	0.19%	0.117%
179	16.472	16.409	16.547	VV	45	2031	0.73%	0.460%
180	16.567	16.547	16.592	VV	26	470	0.17%	0.106%
181	16.617	16.592	16.686	VV	21	747	0.27%	0.169%
182	16.703	16.686	16.732	PV	28	352	0.13%	0.080%
183	16.756	16.732	16.772	VV	16	312	0.11%	0.071%
184	16.840	16.772	16.855	VV	16	694	0.25%	0.157%
185	16.876	16.855	16.904	VV	20	508	0.18%	0.115%
186	16.923	16.904	16.962	VV	20	436	0.16%	0.099%
187	16.976	16.962	17.005	PBA	14	86	0.03%	0.020%
			Sum of corrected areas:			441069		

FB053025.M Wed Jun 04 02:20:49 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031870.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 17:15
Operator : YP/AJ
Sample : Q2176-04
Misc : 4.69G/5.00 ML DI WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-26

Integration File: Calibration.e
Quant Time: Jun 04 01:22:03 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	8.792	228438	18.721 ng/ml
	Target Compounds			

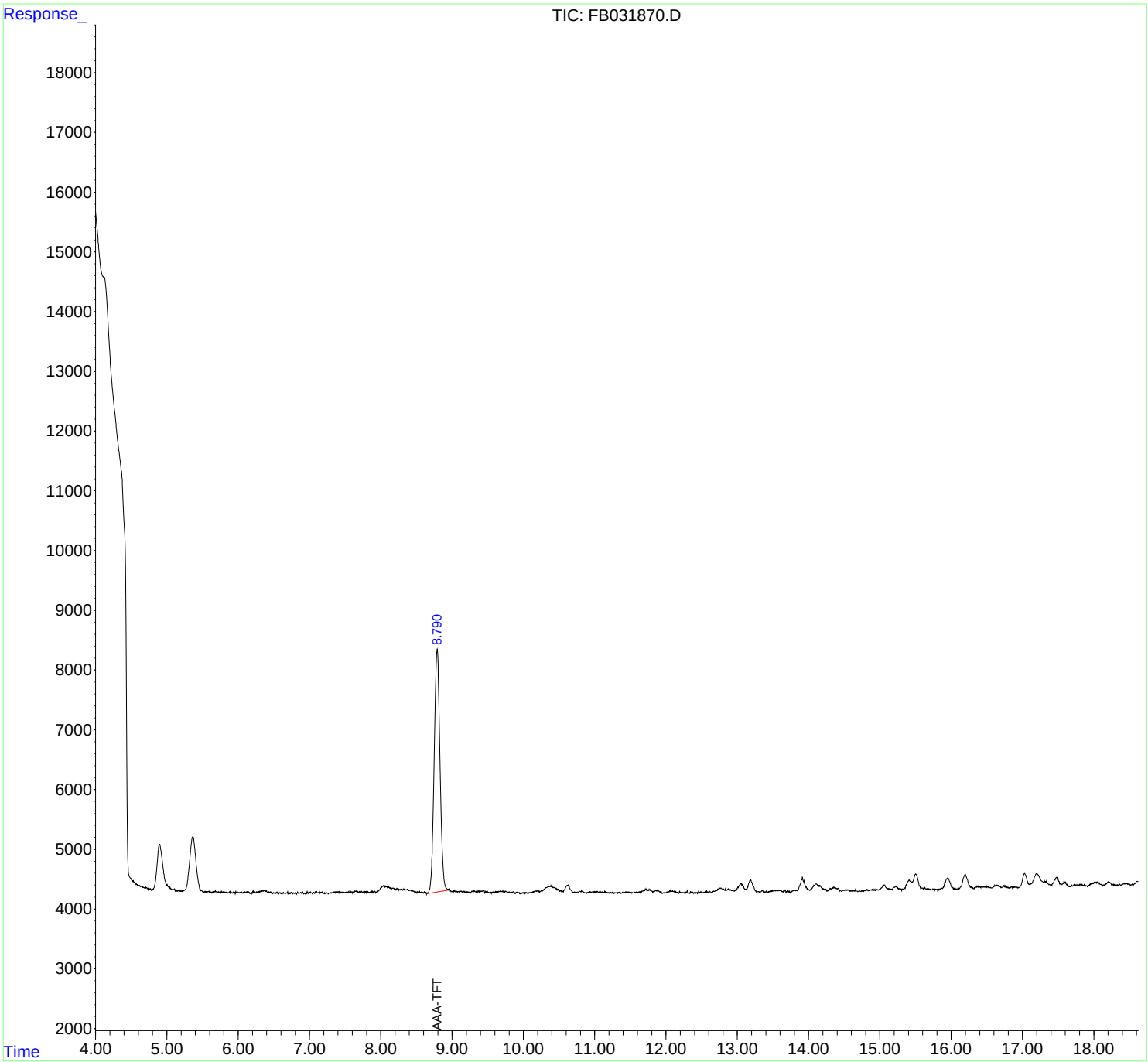
(f)=RT Delta > 1/2 Window (m)=manual int.

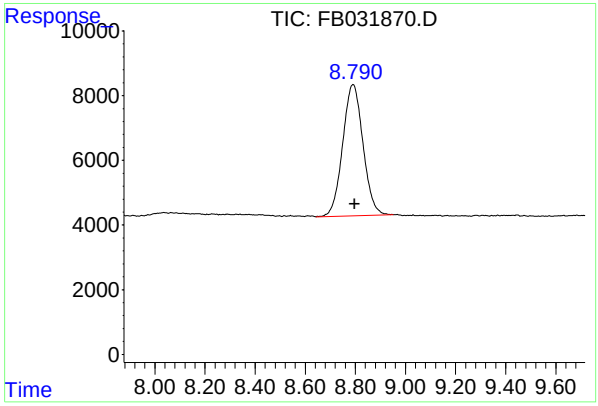
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031870.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 17:15
Operator : YP/AJ
Sample : Q2176-04
Misc : 4.69G/5.00 ML DI WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-26

Integration File: Calibration.e
Quant Time: Jun 04 01:22:03 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.: 8.792 min
Delta R.T.: -0.006 mi
Response: 228438
Conc: 18.72 ng/m

Instrument :
FID_B
ClientSampleId :
TP-26

6
A
B
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rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031870.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 17:15
Sample : Q2176-04
Misc : 4.69G/5.00 ML DI WATER
ALS Vial : 13 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	4.617	4.604	4.637	BV	11	42	0.02%	0.008%
2	4.645	4.637	4.738	VV	11	527	0.22%	0.102%
3	4.750	4.738	4.765	PV	18	204	0.09%	0.039%
4	4.770	4.765	4.799	VV	15	92	0.04%	0.018%
5	5.083	5.072	5.099	VV	33	478	0.20%	0.093%
6	5.108	5.099	5.124	VV	42	323	0.14%	0.062%
7	5.131	5.124	5.152	PV	15	154	0.07%	0.030%
8	5.159	5.152	5.175	VV	23	163	0.07%	0.032%
9	5.184	5.175	5.208	VV	14	159	0.07%	0.031%
10	5.219	5.208	5.227	VV	19	100	0.04%	0.019%
11	5.488	5.481	5.516	VV	37	440	0.19%	0.085%
12	5.538	5.516	5.560	VV	22	320	0.14%	0.062%
13	5.582	5.560	5.614	VV	25	466	0.20%	0.090%
14	5.622	5.614	5.633	VV	10	77	0.03%	0.015%
15	5.668	5.633	5.675	PV	27	405	0.17%	0.078%
16	5.682	5.675	5.690	VV	32	201	0.09%	0.039%
17	5.699	5.690	5.711	VV	25	211	0.09%	0.041%
18	5.725	5.711	5.756	VV	26	355	0.15%	0.069%
19	5.765	5.756	5.776	VV	27	182	0.08%	0.035%
20	5.788	5.776	5.820	VV	21	372	0.16%	0.072%
21	5.829	5.820	5.850	VV	18	203	0.09%	0.039%
22	5.859	5.850	5.866	VV	11	78	0.03%	0.015%
23	5.882	5.866	5.923	VV	28	512	0.22%	0.099%
24	5.936	5.923	5.948	VV	28	240	0.10%	0.046%
25	5.951	5.948	5.958	VV	17	59	0.03%	0.011%
26	5.989	5.958	5.999	VV	30	429	0.18%	0.083%
27	6.012	5.999	6.020	VV	14	157	0.07%	0.030%
28	6.044	6.020	6.067	VV	25	452	0.19%	0.087%
29	6.077	6.067	6.083	VV	25	161	0.07%	0.031%
30	6.092	6.083	6.111	VV	29	386	0.16%	0.075%
31	6.124	6.111	6.134	VV	31	317	0.13%	0.061%
32	6.142	6.134	6.169	VV	33	419	0.18%	0.081%
33	6.205	6.169	6.241	PV	40	830	0.35%	0.160%
34	6.275	6.241	6.291	VV	37	827	0.35%	0.160%
35	6.300	6.291	6.307	VV	35	328	0.14%	0.063%
36	6.323	6.307	6.353	VV	52	1292	0.55%	0.250%

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37	6.370	6.353	6.392	VV	55	1145	0.49%	0.221%
38	6.399	6.392	6.418	VV	53	584	0.25%	0.113%
39	6.427	6.418	6.437	VV	37	319	0.14%	0.062%
40	6.457	6.437	6.487	VV	36	638	0.27%	0.123%
41	6.500	6.487	6.508	VV	23	180	0.08%	0.035%
42	6.516	6.508	6.529	VV	21	218	0.09%	0.042%
43	6.543	6.529	6.569	VV	25	388	0.17%	0.075%
44	6.581	6.569	6.608	PV	24	357	0.15%	0.069%
45	6.638	6.608	6.666	VV	22	508	0.22%	0.098%
46	6.693	6.666	6.724	VV	39	577	0.25%	0.112%
47	6.750	6.724	6.800	VV	31	797	0.34%	0.154%
48	6.810	6.800	6.822	VV	25	228	0.10%	0.044%
49	6.836	6.822	6.848	VV	30	270	0.11%	0.052%
50	6.877	6.848	6.889	VV	25	452	0.19%	0.087%
51	6.908	6.889	6.943	VV	34	521	0.22%	0.101%
52	6.969	6.943	6.991	VV	31	540	0.23%	0.104%
53	7.015	6.991	7.043	VV	32	651	0.28%	0.126%
54	7.055	7.043	7.073	VV	30	372	0.16%	0.072%
55	7.083	7.073	7.092	VV	36	257	0.11%	0.050%
56	7.100	7.092	7.115	VV	41	366	0.16%	0.071%
57	7.129	7.115	7.136	VV	25	256	0.11%	0.049%
58	7.178	7.136	7.206	VV	31	880	0.37%	0.170%
59	7.239	7.206	7.266	VV	22	542	0.23%	0.105%
60	7.298	7.266	7.309	VV	25	422	0.18%	0.082%
61	7.385	7.309	7.435	VV	40	2153	0.92%	0.416%
62	7.465	7.435	7.478	VV	34	653	0.28%	0.126%
63	7.528	7.478	7.542	VV	42	1095	0.47%	0.212%
64	7.551	7.542	7.602	VV	41	1085	0.46%	0.210%
65	7.661	7.602	7.691	VV	49	2054	0.87%	0.397%
66	7.712	7.691	7.723	VV	46	698	0.30%	0.135%
67	7.733	7.723	7.742	VV	44	425	0.18%	0.082%
68	7.750	7.742	7.757	VV	34	262	0.11%	0.051%
69	7.768	7.757	7.804	VV	47	986	0.42%	0.191%
70	7.818	7.804	7.838	VV	37	592	0.25%	0.114%
71	7.855	7.838	7.862	VV	38	449	0.19%	0.087%
72	7.878	7.862	7.905	VV	53	964	0.41%	0.186%
73	7.914	7.905	7.938	VV	49	672	0.29%	0.130%
74	7.949	7.938	7.958	VV	46	443	0.19%	0.086%
75	8.036	7.958	8.055	VV	140	5667	2.41%	1.096%
76	8.066	8.055	8.076	VV	133	1549	0.66%	0.300%
77	8.086	8.076	8.104	VV	127	1977	0.84%	0.382%
78	8.113	8.104	8.144	VV	119	2510	1.07%	0.485%
79	8.177	8.144	8.216	VV	100	3763	1.60%	0.728%
80	8.229	8.216	8.256	VV	94	1958	0.83%	0.379%
81	8.288	8.256	8.312	VV	81	2451	1.04%	0.474%
82	8.325	8.312	8.334	VV	86	971	0.41%	0.188%
83	8.341	8.334	8.407	VV	82	3014	1.28%	0.583%
84	8.418	8.407	8.445	VV	66	1381	0.59%	0.267%
85	8.452	8.445	8.484	VV	52	959	0.41%	0.186%
86	8.497	8.484	8.508	VV	35	392	0.17%	0.076%
87	8.517	8.508	8.527	VV	40	319	0.14%	0.062%
88	8.542	8.527	8.565	VV	41	632	0.27%	0.122%
89	8.575	8.565	8.597	VV	31	457	0.19%	0.088%

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90	8.612	8.597	8.645	VV	35	625	0.27%	0.121%
91	8.792	8.645	8.960	VV	4095	235252	100.00%	45.489%
92	8.967	8.960	9.023	VV	75	1915	0.81%	0.370%
93	9.031	9.023	9.079	VV	60	1453	0.62%	0.281%
94	9.087	9.079	9.101	VV	41	501	0.21%	0.097%
95	9.121	9.101	9.149	VV	49	1171	0.50%	0.226%
96	9.167	9.149	9.193	VV	44	868	0.37%	0.168%
97	9.202	9.193	9.216	VV	38	416	0.18%	0.080%
98	9.226	9.216	9.266	VV	34	855	0.36%	0.165%
99	9.281	9.266	9.296	VV	46	677	0.29%	0.131%
100	9.309	9.296	9.316	VV	45	510	0.22%	0.099%
101	9.321	9.316	9.338	VV	48	487	0.21%	0.094%
102	9.345	9.338	9.361	VV	46	505	0.21%	0.098%
103	9.370	9.361	9.378	VV	51	411	0.17%	0.079%
104	9.395	9.378	9.408	VV	49	790	0.34%	0.153%
105	9.446	9.408	9.459	VV	62	1422	0.60%	0.275%
106	9.475	9.459	9.489	VV	43	575	0.24%	0.111%
107	9.498	9.489	9.542	VV	37	724	0.31%	0.140%
108	9.548	9.542	9.566	VV	30	332	0.14%	0.064%
109	9.575	9.566	9.585	VV	34	270	0.11%	0.052%
110	9.632	9.585	9.643	VV	46	1073	0.46%	0.207%
111	9.684	9.643	9.700	VV	56	1389	0.59%	0.269%
112	9.713	9.700	9.723	VV	43	572	0.24%	0.111%
113	9.728	9.723	9.737	VV	41	269	0.11%	0.052%
114	9.755	9.737	9.781	VV	46	951	0.40%	0.184%
115	9.799	9.781	9.820	VV	37	611	0.26%	0.118%
116	9.836	9.820	9.848	VV	32	424	0.18%	0.082%
117	9.863	9.848	9.884	VV	40	545	0.23%	0.105%
118	9.904	9.884	9.912	VV	25	294	0.12%	0.057%
119	9.920	9.912	9.951	VV	31	427	0.18%	0.083%
120	9.972	9.951	9.981	PV	19	183	0.08%	0.035%
121	10.000	9.981	10.008	VV	22	251	0.11%	0.048%
122	10.017	10.008	10.025	VV	26	175	0.07%	0.034%
123	10.042	10.025	10.052	VV	22	267	0.11%	0.052%
124	10.063	10.052	10.078	VV	17	233	0.10%	0.045%
125	10.088	10.078	10.093	VV	19	150	0.06%	0.029%
126	10.179	10.093	10.187	VV	52	1875	0.80%	0.362%
127	10.196	10.187	10.228	VV	48	1035	0.44%	0.200%
128	10.255	10.228	10.271	VV	53	1108	0.47%	0.214%
129	10.379	10.271	10.513	VV	131	13755	5.85%	2.660%
130	10.520	10.513	10.545	VV	64	884	0.38%	0.171%
131	10.622	10.545	10.710	VV	143	7804	3.32%	1.509%
132	10.719	10.710	10.733	VV	34	351	0.15%	0.068%
133	10.762	10.733	10.771	VV	31	586	0.25%	0.113%
134	10.790	10.771	10.807	VV	42	753	0.32%	0.146%
135	10.819	10.807	10.869	VV	47	1090	0.46%	0.211%
136	10.879	10.869	10.888	VV	22	187	0.08%	0.036%
137	10.935	10.888	10.954	VV	30	933	0.40%	0.180%
138	10.964	10.954	10.979	VV	34	449	0.19%	0.087%
139	10.998	10.979	11.006	VV	40	495	0.21%	0.096%
140	11.014	11.006	11.030	VV	35	444	0.19%	0.086%
141	11.037	11.030	11.121	VV	40	1444	0.61%	0.279%

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142	11.145	11.121	11.189	VV	42	916	0.39%	0.177%
143	11.194	11.189	11.202	VV	19	118	0.05%	0.023%
144	11.226	11.202	11.237	VV	24	367	0.16%	0.071%
145	11.256	11.237	11.273	VV	31	356	0.15%	0.069%
146	11.285	11.273	11.295	VV	17	172	0.07%	0.033%
147	11.311	11.295	11.320	VV	17	213	0.09%	0.041%
148	11.352	11.320	11.367	VV	28	478	0.20%	0.092%
149	11.390	11.367	11.399	VV	21	255	0.11%	0.049%
150	11.414	11.399	11.423	VV	22	243	0.10%	0.047%
151	11.448	11.423	11.501	VV	33	1072	0.46%	0.207%
152	11.510	11.501	11.530	VV	21	266	0.11%	0.051%
153	11.535	11.530	11.543	VV	14	107	0.05%	0.021%
154	11.568	11.543	11.577	VV	20	313	0.13%	0.061%
155	11.587	11.577	11.603	VV	29	334	0.14%	0.065%
156	11.655	11.603	11.663	VV	49	1010	0.43%	0.195%
157	11.718	11.663	11.726	VV	80	2010	0.85%	0.389%
158	11.737	11.726	11.755	VV	75	1027	0.44%	0.199%
159	11.766	11.755	11.789	VV	69	1143	0.49%	0.221%
160	11.794	11.789	11.829	VV	47	887	0.38%	0.172%
161	11.855	11.829	11.871	VV	56	1084	0.46%	0.210%
162	11.888	11.871	11.917	VV	58	1201	0.51%	0.232%
163	11.924	11.917	11.949	VV	34	330	0.14%	0.064%
164	11.972	11.949	11.986	PV	11	155	0.07%	0.030%
165	12.033	11.986	12.041	VV	36	607	0.26%	0.117%
166	12.054	12.041	12.078	VV	54	832	0.35%	0.161%
167	12.095	12.078	12.141	VV	42	1231	0.52%	0.238%
168	12.149	12.141	12.180	VV	26	349	0.15%	0.068%
169	12.191	12.180	12.237	VV	34	536	0.23%	0.104%
170	12.247	12.237	12.257	VV	16	144	0.06%	0.028%
171	12.298	12.257	12.325	VV	44	631	0.27%	0.122%
172	12.346	12.325	12.373	VV	32	435	0.18%	0.084%
173	12.377	12.373	12.387	VV	17	73	0.03%	0.014%
174	12.411	12.387	12.446	VV	21	364	0.15%	0.070%
175	12.458	12.446	12.478	PV	32	240	0.10%	0.046%
176	12.492	12.478	12.525	VV	30	476	0.20%	0.092%
177	12.571	12.525	12.598	VV	39	965	0.41%	0.187%
178	12.615	12.598	12.639	VV	32	517	0.22%	0.100%
179	12.773	12.639	12.797	VV	86	5117	2.18%	0.990%
180	12.809	12.797	12.844	VV	70	1552	0.66%	0.300%
181	12.875	12.844	12.891	VV	74	1676	0.71%	0.324%
182	12.898	12.891	12.923	VV	60	1014	0.43%	0.196%
183	12.936	12.923	12.950	VV	46	682	0.29%	0.132%
184	13.055	12.950	13.132	VV	163	9941	4.23%	1.922%
185	13.190	13.132	13.270	VV	221	10290	4.37%	1.990%
186	13.297	13.270	13.307	VV	25	484	0.21%	0.093%
187	13.355	13.307	13.371	VV	38	920	0.39%	0.178%
188	13.394	13.371	13.404	VV	19	289	0.12%	0.056%
189	13.413	13.404	13.426	VV	38	253	0.11%	0.049%
190	13.467	13.426	13.475	VV	36	630	0.27%	0.122%
191	13.486	13.475	13.495	VV	37	368	0.16%	0.071%
192	13.525	13.495	13.538	VV	48	946	0.40%	0.183%
193	13.547	13.538	13.555	VV	42	393	0.17%	0.076%
194	13.563	13.555	13.574	VV	41	413	0.18%	0.080%

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195	13.586	13.574	13.593	VV	38	405	0.17%	0.078%
196	13.602	13.593	13.645	VV	40	906	0.39%	0.175%
197	13.675	13.645	13.686	VV	46	673	0.29%	0.130%
198	13.714	13.686	13.742	VV	31	675	0.29%	0.131%
199	13.783	13.742	13.792	PV	37	642	0.27%	0.124%
200	13.801	13.792	13.842	VV	41	1104	0.47%	0.213%
201	13.916	13.842	13.996	VV	256	11838	5.03%	2.289%
202	14.006	13.996	14.017	VV	48	509	0.22%	0.098%
203	14.110	14.017	14.145	VV	140	7555	3.21%	1.461%
204	14.153	14.145	14.223	VV	119	3638	1.55%	0.704%
205	14.230	14.223	14.269	VV	54	1010	0.43%	0.195%
206	14.303	14.269	14.321	VV	60	1264	0.54%	0.244%
207	14.358	14.321	14.402	VV	81	3141	1.34%	0.607%
208	14.414	14.402	14.464	VV	61	1301	0.55%	0.252%
209	14.480	14.464	14.493	VV	29	363	0.15%	0.070%
210	14.526	14.493	14.589	VV	38	1504	0.64%	0.291%
211	14.625	14.589	14.653	VV	22	532	0.23%	0.103%
212	14.657	14.653	14.693	VV	18	253	0.11%	0.049%
213	14.717	14.693	14.738	PV	11	150	0.06%	0.029%
214	14.749	14.738	14.773	VV	21	224	0.10%	0.043%
215	14.808	14.773	14.815	PV	31	455	0.19%	0.088%
216	14.823	14.815	14.838	VV	35	302	0.13%	0.058%
217	14.865	14.838	14.879	VV	29	504	0.21%	0.097%
218	14.907	14.879	14.920	VV	38	676	0.29%	0.131%
219	14.930	14.920	14.947	VV	29	292	0.12%	0.057%
220	14.966	14.947	14.977	VV	28	410	0.17%	0.079%
221	15.049	14.977	15.106	VV	108	4496	1.91%	0.869%
222	15.116	15.106	15.126	VV	44	420	0.18%	0.081%
223	15.134	15.126	15.142	VV	39	290	0.12%	0.056%
224	15.152	15.142	15.161	VV	32	312	0.13%	0.060%
225	15.234	15.161	15.264	VV	82	3201	1.36%	0.619%
226	15.272	15.264	15.306	VV	37	642	0.27%	0.124%
227	15.312	15.306	15.322	VV	31	211	0.09%	0.041%
228	15.412	15.322	15.447	VV	175	7966	3.39%	1.540%
229	15.503	15.447	15.590	VV	273	13585	5.77%	2.627%
230	15.599	15.590	15.609	VV	36	378	0.16%	0.073%
231	15.631	15.609	15.646	VV	42	655	0.28%	0.127%
232	15.655	15.646	15.702	VV	24	601	0.26%	0.116%
233	15.708	15.702	15.740	VV	15	144	0.06%	0.028%
234	15.754	15.740	15.790	VV	14	239	0.10%	0.046%
235	15.816	15.790	15.836	VV	15	208	0.09%	0.040%
236	15.846	15.836	15.852	VV	17	104	0.04%	0.020%
237	15.947	15.852	16.077	VV	193	10332	4.39%	1.998%
238	16.098	16.077	16.108	PV	15	180	0.08%	0.035%
239	16.197	16.108	16.271	VV	254	11695	4.97%	2.261%
240	16.280	16.271	16.314	VV	41	586	0.25%	0.113%
241	16.390	16.314	16.413	VV	46	1669	0.71%	0.323%
242	16.438	16.413	16.453	VV	41	752	0.32%	0.145%
243	16.462	16.453	16.472	VV	31	352	0.15%	0.068%
244	16.481	16.472	16.488	VV	36	271	0.12%	0.052%
245	16.497	16.488	16.505	VV	42	335	0.14%	0.065%
246	16.515	16.505	16.569	VV	35	808	0.34%	0.156%

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247	16.638	16.569	16.709	VV	56	2978	1.27%	0.576%
248	16.756	16.709	16.767	VV	48	982	0.42%	0.190%
249	16.775	16.767	16.821	VV	21	382	0.16%	0.074%
250	16.845	16.821	16.863	PV	27	336	0.14%	0.065%
251	16.893	16.863	16.902	PV	18	308	0.13%	0.060%
252	16.916	16.902	16.950	VV	21	270	0.11%	0.052%
			Sum of corrected areas:				517165	

FB053025.M Wed Jun 04 02:22:03 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031871.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 17:43
Operator : YP/AJ
Sample : Q2176-05
Misc : 5.87G/5.00 ML DI WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-28

Integration File: Calibration.e
Quant Time: Jun 04 01:22:12 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	264991	21.716 ng/ml
Target Compounds			

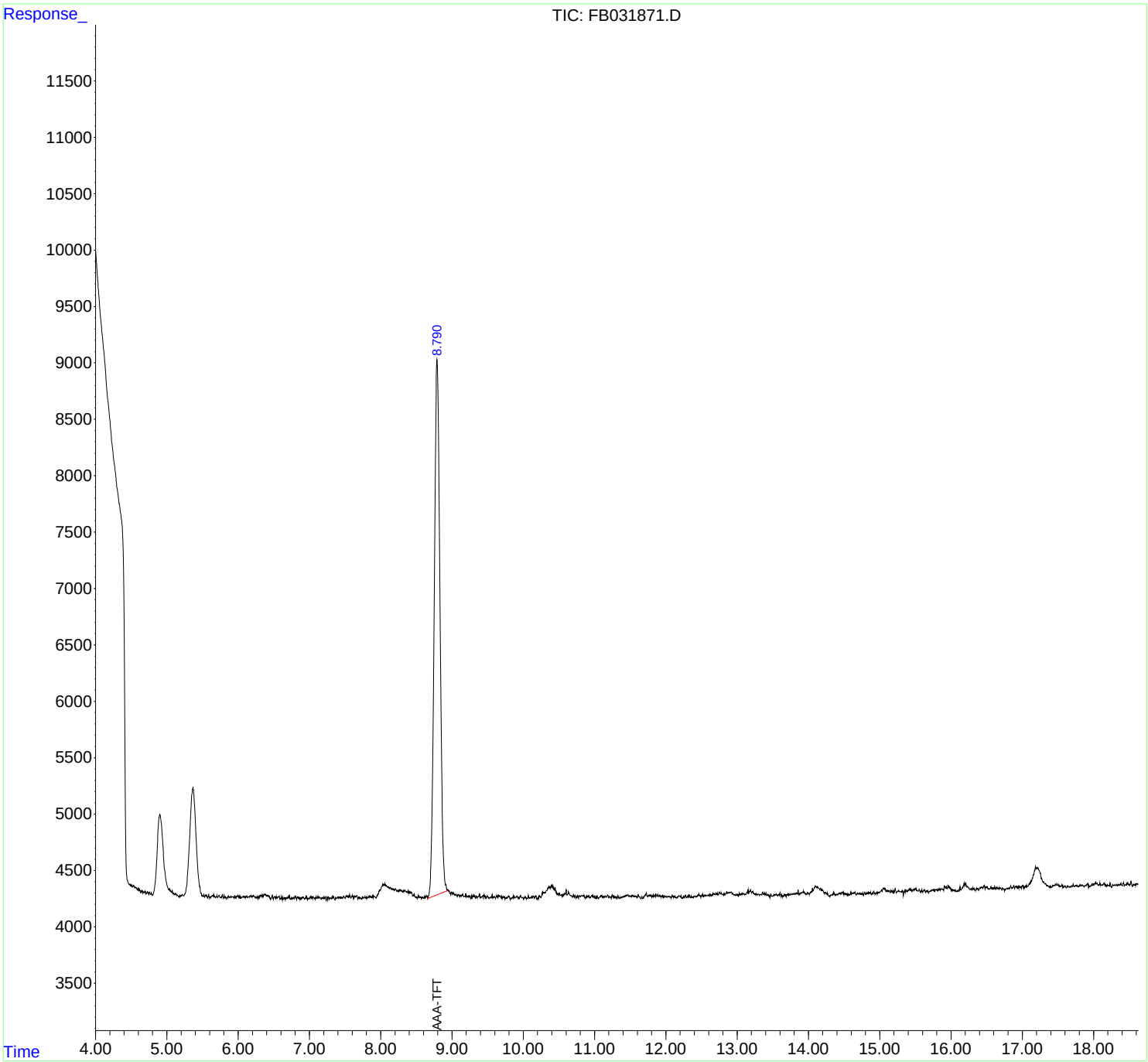
(f)=RT Delta > 1/2 Window (m)=manual int.

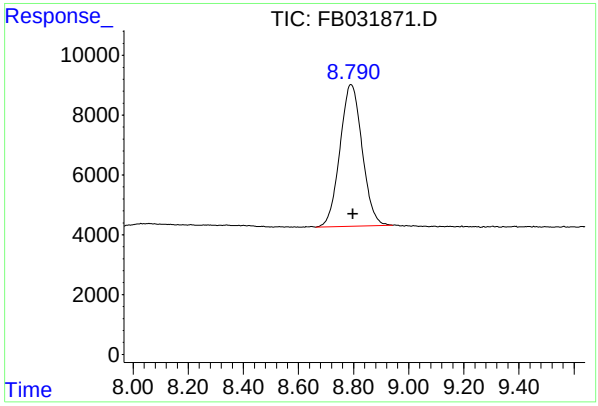
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031871.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 17:43
Operator : YP/AJ
Sample : Q2176-05
Misc : 5.87G/5.00 ML DI WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-28

Integration File: Calibration.e
Quant Time: Jun 04 01:22:12 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.: -0.006 mi
Response: 264991
Conc: 21.72 ng/m

Instrument :
FID_B
ClientSampleId :
TP-28

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 : FB031871.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 17:43
Sample : Q2176-05
Misc : 5.87G/5.00 ML DI WATER
ALS Vial : 14 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	4.649	4.604	4.662	BV	10	16	0.01%	0.003%
2	4.668	4.662	4.680	PV	9	66	0.02%	0.014%
3	4.695	4.680	4.705	VV	22	160	0.06%	0.033%
4	4.714	4.705	4.721	PV	14	81	0.03%	0.017%
5	4.732	4.721	4.747	VV	26	230	0.08%	0.048%
6	4.758	4.747	4.773	VV	23	202	0.07%	0.042%
7	4.784	4.773	4.801	VV	21	166	0.06%	0.034%
8	5.035	5.027	5.069	VV	67	1336	0.49%	0.278%
9	5.077	5.069	5.114	VV	50	853	0.31%	0.177%
10	5.124	5.114	5.175	VV	33	555	0.20%	0.115%
11	5.181	5.175	5.187	PV	15	61	0.02%	0.013%
12	5.219	5.187	5.236	VV	22	407	0.15%	0.085%
13	5.519	5.508	5.530	VV	33	245	0.09%	0.051%
14	5.545	5.530	5.573	VV	27	483	0.18%	0.100%
15	5.586	5.573	5.596	VV	31	208	0.08%	0.043%
16	5.607	5.596	5.623	PV	15	165	0.06%	0.034%
17	5.641	5.623	5.650	VV	25	308	0.11%	0.064%
18	5.658	5.650	5.685	VV	34	395	0.14%	0.082%
19	5.702	5.685	5.716	VV	22	267	0.10%	0.056%
20	5.733	5.716	5.751	VV	29	365	0.13%	0.076%
21	5.778	5.751	5.795	VV	35	436	0.16%	0.091%
22	5.805	5.795	5.836	VV	27	309	0.11%	0.064%
23	5.849	5.836	5.853	VV	12	86	0.03%	0.018%
24	5.861	5.853	5.890	VV	22	301	0.11%	0.063%
25	5.901	5.890	5.943	VV	22	496	0.18%	0.103%
26	5.954	5.943	5.970	VV	28	294	0.11%	0.061%
27	6.003	5.970	6.045	VV	30	797	0.29%	0.166%
28	6.070	6.045	6.101	VV	24	565	0.21%	0.117%
29	6.121	6.101	6.141	VV	25	473	0.17%	0.098%
30	6.171	6.141	6.204	VV	31	892	0.32%	0.185%
31	6.219	6.204	6.244	VV	36	569	0.21%	0.118%
32	6.252	6.244	6.262	VV	22	155	0.06%	0.032%
33	6.272	6.262	6.282	VV	26	200	0.07%	0.042%
34	6.313	6.282	6.321	VV	40	597	0.22%	0.124%
35	6.339	6.321	6.347	VV	39	515	0.19%	0.107%
36	6.382	6.347	6.458	VV	47	2124	0.77%	0.441%

rteres

37	6.480	6.458	6.496	VV	37	416	0.15%	0.086%
38	6.508	6.496	6.548	VV	28	587	0.21%	0.122%
39	6.576	6.548	6.597	VV	31	557	0.20%	0.116%
40	6.606	6.597	6.619	VV	29	187	0.07%	0.039%
41	6.629	6.619	6.643	PV	26	202	0.07%	0.042%
42	6.650	6.643	6.664	VV	18	179	0.07%	0.037%
43	6.686	6.664	6.694	VV	24	312	0.11%	0.065%
44	6.721	6.694	6.733	VV	41	503	0.18%	0.105%
45	6.745	6.733	6.756	VV	18	137	0.05%	0.029%
46	6.764	6.756	6.774	VV	22	177	0.06%	0.037%
47	6.804	6.774	6.822	VV	34	591	0.22%	0.123%
48	6.835	6.822	6.848	VV	25	297	0.11%	0.062%
49	6.854	6.848	6.876	VV	21	281	0.10%	0.058%
50	6.895	6.876	6.903	VV	26	266	0.10%	0.055%
51	6.915	6.903	6.933	VV	27	353	0.13%	0.073%
52	6.958	6.933	6.976	VV	39	553	0.20%	0.115%
53	7.020	6.976	7.029	VV	36	603	0.22%	0.125%
54	7.039	7.029	7.085	VV	32	779	0.28%	0.162%
55	7.094	7.085	7.106	VV	32	260	0.09%	0.054%
56	7.131	7.106	7.165	VV	33	797	0.29%	0.166%
57	7.179	7.165	7.187	VV	24	229	0.08%	0.048%
58	7.193	7.187	7.212	VV	22	281	0.10%	0.058%
59	7.222	7.212	7.236	VV	36	296	0.11%	0.061%
60	7.248	7.236	7.323	PV	31	995	0.36%	0.207%
61	7.338	7.323	7.356	VV	33	437	0.16%	0.091%
62	7.365	7.356	7.381	VV	27	268	0.10%	0.056%
63	7.397	7.381	7.421	VV	31	572	0.21%	0.119%
64	7.427	7.421	7.443	VV	31	346	0.13%	0.072%
65	7.453	7.443	7.464	VV	27	288	0.10%	0.060%
66	7.483	7.464	7.504	VV	39	626	0.23%	0.130%
67	7.514	7.504	7.520	VV	38	295	0.11%	0.061%
68	7.528	7.520	7.555	VV	39	682	0.25%	0.142%
69	7.565	7.555	7.583	VV	45	523	0.19%	0.109%
70	7.609	7.583	7.628	VV	40	795	0.29%	0.165%
71	7.637	7.628	7.651	VV	36	429	0.16%	0.089%
72	7.666	7.651	7.680	VV	40	566	0.21%	0.118%
73	7.696	7.680	7.705	VV	31	324	0.12%	0.067%
74	7.715	7.705	7.735	VV	24	303	0.11%	0.063%
75	7.779	7.735	7.788	VV	30	710	0.26%	0.148%
76	7.798	7.788	7.815	VV	28	363	0.13%	0.076%
77	7.846	7.815	7.883	VV	35	1104	0.40%	0.229%
78	7.891	7.883	7.898	VV	43	290	0.11%	0.060%
79	7.903	7.898	7.935	VV	38	643	0.23%	0.134%
80	8.029	7.935	8.045	VV	142	5623	2.04%	1.168%
81	8.058	8.045	8.125	VV	147	5967	2.17%	1.240%
82	8.136	8.125	8.154	VV	114	1808	0.66%	0.376%
83	8.162	8.154	8.197	VV	103	2466	0.90%	0.512%
84	8.209	8.197	8.229	VV	103	1781	0.65%	0.370%
85	8.275	8.229	8.290	VV	90	3059	1.11%	0.636%
86	8.296	8.290	8.307	VV	85	802	0.29%	0.167%
87	8.318	8.307	8.325	VV	85	861	0.31%	0.179%
88	8.341	8.325	8.372	VV	88	2216	0.81%	0.460%
89	8.384	8.372	8.392	VV	81	840	0.31%	0.175%

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90	8.400	8.392	8.411	VV	79	825	0.30%	0.171%
91	8.421	8.411	8.461	VV	74	1645	0.60%	0.342%
92	8.470	8.461	8.512	VV	44	952	0.35%	0.198%
93	8.531	8.512	8.577	VV	41	1005	0.37%	0.209%
94	8.587	8.577	8.637	VV	27	792	0.29%	0.165%
95	8.648	8.637	8.662	VV	40	444	0.16%	0.092%
96	8.791	8.662	8.985	VV	4787	274989	100.00%	57.141%
97	8.993	8.985	9.010	VV	67	905	0.33%	0.188%
98	9.020	9.010	9.052	VV	63	1300	0.47%	0.270%
99	9.057	9.052	9.075	VV	50	587	0.21%	0.122%
100	9.086	9.075	9.108	VV	45	786	0.29%	0.163%
101	9.117	9.108	9.131	VV	41	529	0.19%	0.110%
102	9.141	9.131	9.169	VV	44	850	0.31%	0.177%
103	9.193	9.169	9.264	VV	55	1736	0.63%	0.361%
104	9.305	9.264	9.314	VV	46	856	0.31%	0.178%
105	9.321	9.314	9.333	VV	39	325	0.12%	0.068%
106	9.344	9.333	9.355	VV	33	327	0.12%	0.068%
107	9.385	9.355	9.398	VV	46	778	0.28%	0.162%
108	9.438	9.398	9.448	VV	40	849	0.31%	0.176%
109	9.456	9.448	9.483	VV	38	525	0.19%	0.109%
110	9.495	9.483	9.521	VV	34	506	0.18%	0.105%
111	9.541	9.521	9.551	VV	22	344	0.13%	0.072%
112	9.564	9.551	9.573	VV	43	346	0.13%	0.072%
113	9.596	9.573	9.610	VV	29	494	0.18%	0.103%
114	9.627	9.610	9.639	VV	32	445	0.16%	0.093%
115	9.655	9.639	9.687	VV	37	918	0.33%	0.191%
116	9.694	9.687	9.703	VV	32	207	0.08%	0.043%
117	9.726	9.703	9.757	VV	31	619	0.23%	0.129%
118	9.797	9.757	9.818	VV	32	753	0.27%	0.156%
119	9.826	9.818	9.833	PV	16	88	0.03%	0.018%
120	9.873	9.833	9.882	VV	35	603	0.22%	0.125%
121	9.909	9.882	9.940	VV	32	703	0.26%	0.146%
122	9.966	9.940	9.981	VV	34	518	0.19%	0.108%
123	9.993	9.981	10.004	VV	20	207	0.08%	0.043%
124	10.031	10.004	10.046	VV	22	411	0.15%	0.085%
125	10.072	10.046	10.090	VV	32	411	0.15%	0.085%
126	10.117	10.090	10.129	VV	27	431	0.16%	0.090%
127	10.140	10.129	10.166	VV	30	500	0.18%	0.104%
128	10.178	10.166	10.197	VV	34	334	0.12%	0.069%
129	10.232	10.197	10.248	VV	32	607	0.22%	0.126%
130	10.271	10.248	10.279	VV	69	828	0.30%	0.172%
131	10.291	10.279	10.313	VV	65	1211	0.44%	0.252%
132	10.368	10.313	10.377	VV	115	3603	1.31%	0.749%
133	10.403	10.377	10.494	VV	129	6131	2.23%	1.274%
134	10.507	10.494	10.520	VV	56	712	0.26%	0.148%
135	10.538	10.520	10.549	VV	42	611	0.22%	0.127%
136	10.558	10.549	10.565	VV	45	342	0.12%	0.071%
137	10.575	10.565	10.583	VV	50	436	0.16%	0.091%
138	10.602	10.583	10.616	VV	84	1099	0.40%	0.228%
139	10.634	10.616	10.689	VV	67	1765	0.64%	0.367%
140	10.705	10.689	10.718	VV	38	471	0.17%	0.098%
141	10.728	10.718	10.739	VV	35	320	0.12%	0.066%

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142	10.760	10.739	10.775	VV	33	449	0.16%	0.093%
143	10.788	10.775	10.802	VV	34	406	0.15%	0.084%
144	10.815	10.802	10.825	VV	35	414	0.15%	0.086%
145	10.851	10.825	10.871	VV	37	680	0.25%	0.141%
146	10.881	10.871	10.888	VV	26	190	0.07%	0.039%
147	10.896	10.888	10.907	VV	31	286	0.10%	0.059%
148	10.917	10.907	10.933	VV	34	357	0.13%	0.074%
149	10.964	10.933	11.017	VV	34	1074	0.39%	0.223%
150	11.027	11.017	11.056	VV	27	318	0.12%	0.066%
151	11.092	11.056	11.113	VV	34	725	0.26%	0.151%
152	11.122	11.113	11.134	VV	25	241	0.09%	0.050%
153	11.150	11.134	11.170	VV	25	454	0.17%	0.094%
154	11.184	11.170	11.233	VV	36	836	0.30%	0.174%
155	11.250	11.233	11.271	VV	36	505	0.18%	0.105%
156	11.287	11.271	11.301	VV	22	278	0.10%	0.058%
157	11.308	11.301	11.318	VV	23	157	0.06%	0.033%
158	11.330	11.318	11.344	VV	30	233	0.08%	0.048%
159	11.467	11.344	11.494	VV	37	1965	0.71%	0.408%
160	11.504	11.494	11.513	VV	27	261	0.09%	0.054%
161	11.522	11.513	11.554	VV	33	668	0.24%	0.139%
162	11.574	11.554	11.598	VV	26	552	0.20%	0.115%
163	11.614	11.598	11.651	VV	36	593	0.22%	0.123%
164	11.665	11.651	11.676	PV	20	123	0.04%	0.026%
165	11.727	11.676	11.746	VV	52	1095	0.40%	0.227%
166	11.755	11.746	11.761	VV	30	230	0.08%	0.048%
167	11.771	11.761	11.782	VV	34	368	0.13%	0.076%
168	11.788	11.782	11.829	VV	32	675	0.25%	0.140%
169	11.842	11.829	11.855	VV	31	357	0.13%	0.074%
170	11.862	11.855	11.878	VV	39	439	0.16%	0.091%
171	11.889	11.878	11.906	VV	37	440	0.16%	0.091%
172	11.954	11.906	11.974	VV	29	904	0.33%	0.188%
173	11.985	11.974	11.995	VV	24	230	0.08%	0.048%
174	12.008	11.995	12.016	VV	18	189	0.07%	0.039%
175	12.031	12.016	12.075	VV	21	545	0.20%	0.113%
176	12.089	12.075	12.112	VV	24	364	0.13%	0.076%
177	12.122	12.112	12.148	VV	20	276	0.10%	0.057%
178	12.182	12.148	12.234	VV	23	710	0.26%	0.148%
179	12.250	12.234	12.259	PV	16	140	0.05%	0.029%
180	12.279	12.259	12.290	VV	28	294	0.11%	0.061%
181	12.330	12.290	12.345	VV	30	489	0.18%	0.102%
182	12.407	12.345	12.417	VV	20	533	0.19%	0.111%
183	12.465	12.417	12.502	VV	36	1054	0.38%	0.219%
184	12.514	12.502	12.527	VV	37	345	0.13%	0.072%
185	12.537	12.527	12.579	VV	29	701	0.25%	0.146%
186	12.586	12.579	12.592	VV	23	166	0.06%	0.035%
187	12.624	12.592	12.642	VV	35	763	0.28%	0.159%
188	12.673	12.642	12.698	VV	36	1058	0.38%	0.220%
189	12.709	12.698	12.717	VV	44	393	0.14%	0.082%
190	12.724	12.717	12.738	VV	41	421	0.15%	0.087%
191	12.751	12.738	12.768	VV	47	711	0.26%	0.148%
192	12.777	12.768	12.812	VV	44	882	0.32%	0.183%
193	12.856	12.812	12.876	VV	56	1497	0.54%	0.311%
194	12.885	12.876	12.901	VV	48	693	0.25%	0.144%

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195	12.917	12.901	12.929	VV	51	773	0.28%	0.161%
196	12.937	12.929	12.989	VV	43	1021	0.37%	0.212%
197	13.032	12.989	13.054	VV	38	1008	0.37%	0.210%
198	13.063	13.054	13.068	VV	36	256	0.09%	0.053%
199	13.076	13.068	13.104	VV	36	684	0.25%	0.142%
200	13.114	13.104	13.125	VV	31	350	0.13%	0.073%
201	13.154	13.125	13.162	VV	69	964	0.35%	0.200%
202	13.190	13.162	13.205	VV	65	1349	0.49%	0.280%
203	13.219	13.205	13.262	VV	53	1262	0.46%	0.262%
204	13.272	13.262	13.283	VV	32	348	0.13%	0.072%
205	13.300	13.283	13.313	VV	30	450	0.16%	0.093%
206	13.326	13.313	13.343	VV	26	420	0.15%	0.087%
207	13.360	13.343	13.372	VV	46	578	0.21%	0.120%
208	13.380	13.372	13.417	VV	35	712	0.26%	0.148%
209	13.431	13.417	13.464	VV	26	422	0.15%	0.088%
210	13.474	13.464	13.493	VV	28	256	0.09%	0.053%
211	13.533	13.493	13.541	VV	24	493	0.18%	0.103%
212	13.549	13.541	13.567	VV	25	303	0.11%	0.063%
213	13.603	13.567	13.617	VV	34	612	0.22%	0.127%
214	13.625	13.617	13.650	VV	24	232	0.08%	0.048%
215	13.671	13.650	13.695	VV	24	412	0.15%	0.086%
216	13.710	13.695	13.725	VV	29	359	0.13%	0.075%
217	13.757	13.725	13.768	VV	28	548	0.20%	0.114%
218	13.811	13.768	13.820	VV	32	797	0.29%	0.166%
219	13.837	13.820	13.846	VV	35	458	0.17%	0.095%
220	13.857	13.846	13.869	VV	62	526	0.19%	0.109%
221	13.895	13.869	13.904	VV	39	625	0.23%	0.130%
222	13.927	13.904	13.968	VV	50	1365	0.50%	0.284%
223	13.986	13.968	14.012	VV	37	726	0.26%	0.151%
224	14.057	14.012	14.067	VV	74	1463	0.53%	0.304%
225	14.101	14.067	14.120	VV	93	2521	0.92%	0.524%
226	14.128	14.120	14.159	VV	91	1828	0.66%	0.380%
227	14.168	14.159	14.228	VV	69	2200	0.80%	0.457%
228	14.240	14.228	14.253	VV	36	466	0.17%	0.097%
229	14.262	14.253	14.301	VV	31	386	0.14%	0.080%
230	14.359	14.301	14.385	PV	30	757	0.28%	0.157%
231	14.491	14.385	14.499	VV	38	1618	0.59%	0.336%
232	14.507	14.499	14.546	VV	29	603	0.22%	0.125%
233	14.591	14.546	14.600	VV	34	532	0.19%	0.111%
234	14.618	14.600	14.629	VV	28	406	0.15%	0.084%
235	14.655	14.629	14.669	VV	34	592	0.22%	0.123%
236	14.689	14.669	14.713	VV	26	487	0.18%	0.101%
237	14.726	14.713	14.737	VV	29	305	0.11%	0.063%
238	14.747	14.737	14.760	VV	21	230	0.08%	0.048%
239	14.789	14.760	14.800	VV	33	454	0.16%	0.094%
240	14.807	14.800	14.826	VV	27	320	0.12%	0.066%
241	14.837	14.826	14.847	VV	35	320	0.12%	0.067%
242	14.858	14.847	14.888	VV	32	589	0.21%	0.122%
243	14.898	14.888	14.904	VV	26	202	0.07%	0.042%
244	14.916	14.904	14.939	VV	44	549	0.20%	0.114%
245	14.989	14.939	14.997	VV	33	885	0.32%	0.184%
246	15.028	14.997	15.035	VV	52	911	0.33%	0.189%

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247	15.050	15.035	15.058	VV	66	757	0.28%	0.157%
248	15.065	15.058	15.097	VV	67	1277	0.46%	0.265%
249	15.110	15.097	15.149	VV	48	1243	0.45%	0.258%
250	15.159	15.149	15.164	VV	45	323	0.12%	0.067%
251	15.170	15.164	15.204	VV	44	837	0.30%	0.174%
252	15.219	15.204	15.235	VV	60	759	0.28%	0.158%
253	15.256	15.235	15.279	VV	40	920	0.33%	0.191%
254	15.289	15.279	15.305	VV	36	527	0.19%	0.110%
255	15.315	15.305	15.332	VV	42	460	0.17%	0.095%
256	15.353	15.332	15.371	PV	42	732	0.27%	0.152%
257	15.381	15.371	15.389	VV	46	403	0.15%	0.084%
258	15.423	15.389	15.456	VV	58	1793	0.65%	0.373%
259	15.509	15.456	15.540	VV	58	2221	0.81%	0.462%
260	15.556	15.540	15.576	VV	46	725	0.26%	0.151%
261	15.592	15.576	15.604	VV	41	514	0.19%	0.107%
262	15.630	15.604	15.643	VV	41	717	0.26%	0.149%
263	15.654	15.643	15.668	VV	29	387	0.14%	0.080%
264	15.676	15.668	15.688	VV	28	289	0.11%	0.060%
265	15.717	15.688	15.726	VV	34	578	0.21%	0.120%
266	15.756	15.726	15.793	VV	44	1337	0.49%	0.278%
267	15.799	15.793	15.816	VV	37	463	0.17%	0.096%
268	15.875	15.816	15.899	VV	44	1826	0.66%	0.379%
269	15.907	15.899	15.924	VV	62	813	0.30%	0.169%
270	15.935	15.924	15.948	VV	62	764	0.28%	0.159%
271	15.960	15.948	16.009	VV	69	1710	0.62%	0.355%
272	16.017	16.009	16.045	VV	37	567	0.21%	0.118%
273	16.053	16.045	16.093	VV	28	489	0.18%	0.102%
274	16.190	16.093	16.200	VV	84	2551	0.93%	0.530%
275	16.209	16.200	16.225	VV	78	1003	0.36%	0.208%
276	16.233	16.225	16.263	VV	52	937	0.34%	0.195%
277	16.271	16.263	16.279	VV	29	243	0.09%	0.050%
278	16.290	16.279	16.299	VV	31	327	0.12%	0.068%
279	16.308	16.299	16.341	VV	38	614	0.22%	0.128%
280	16.360	16.341	16.389	VV	33	678	0.25%	0.141%
281	16.428	16.389	16.447	VV	40	1139	0.41%	0.237%
282	16.467	16.447	16.479	VV	56	791	0.29%	0.164%
283	16.489	16.479	16.545	VV	42	1180	0.43%	0.245%
284	16.560	16.545	16.573	VV	39	440	0.16%	0.091%
285	16.595	16.573	16.603	VV	31	437	0.16%	0.091%
286	16.611	16.603	16.620	VV	38	271	0.10%	0.056%
287	16.647	16.620	16.657	VV	33	511	0.19%	0.106%
288	16.683	16.657	16.692	VV	31	478	0.17%	0.099%
289	16.700	16.692	16.713	VV	24	235	0.09%	0.049%
290	16.723	16.713	16.751	VV	23	329	0.12%	0.068%
291	16.758	16.751	16.765	PV	11	61	0.02%	0.013%
292	16.790	16.765	16.798	VV	17	237	0.09%	0.049%
293	16.837	16.798	16.856	VV	32	564	0.21%	0.117%
294	16.882	16.856	16.895	VV	33	378	0.14%	0.079%
295	16.906	16.895	16.920	VV	21	240	0.09%	0.050%
296	16.927	16.920	16.942	VV	20	150	0.05%	0.031%
297	16.950	16.942	16.973	PV	19	171	0.06%	0.036%
			Sum of corrected areas:			481243		

rteres

FB053025.M Wed Jun 04 02:23:35 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031872.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 18:10
Operator : YP/AJ
Sample : Q2176-06
Misc : 5.40G/5.00 ML DI WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-27

Integration File: Calibration.e
Quant Time: Jun 04 01:22:22 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	275794	22.601 ng/ml
Target Compounds			

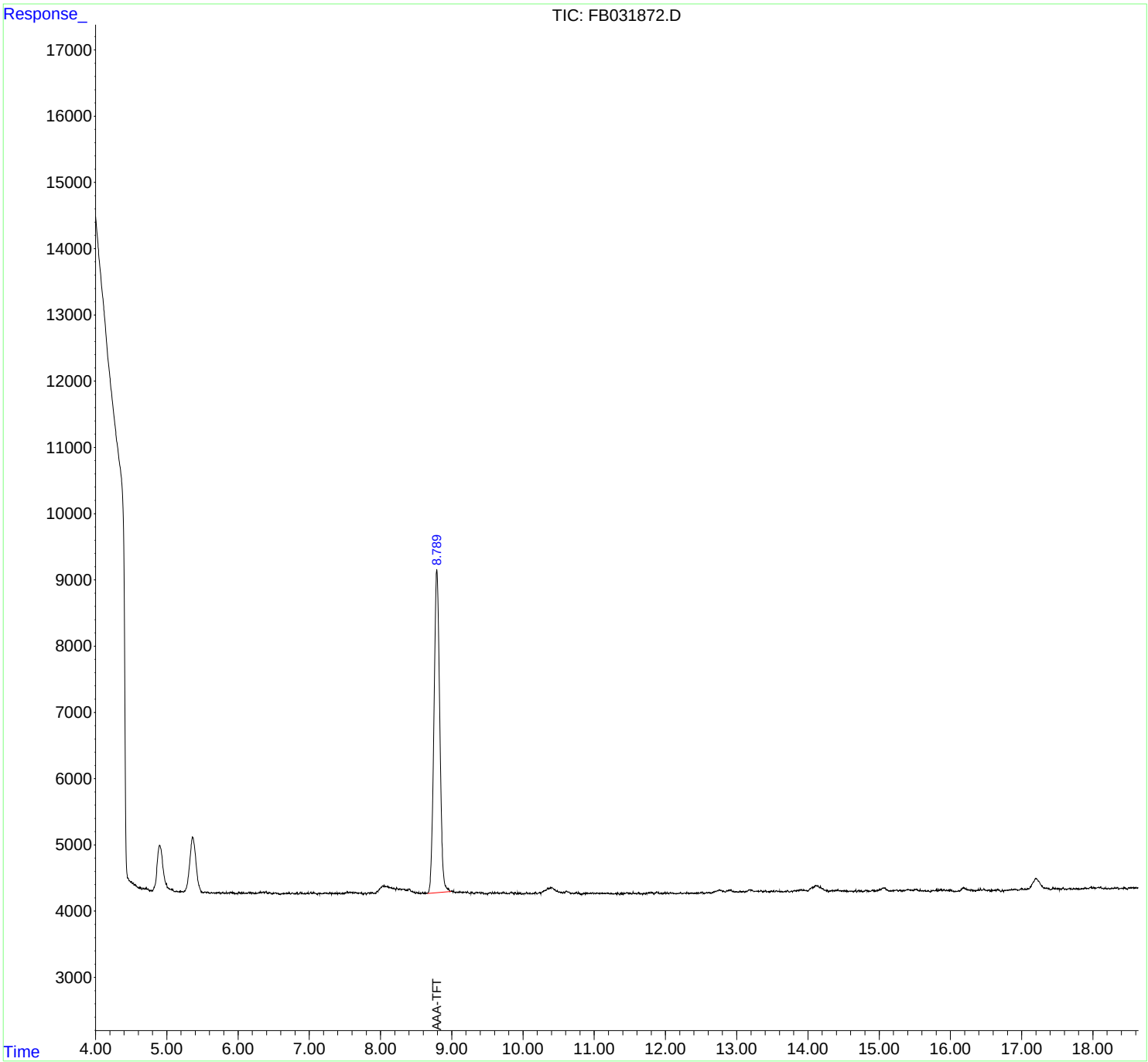
(f)=RT Delta > 1/2 Window (m)=manual int.

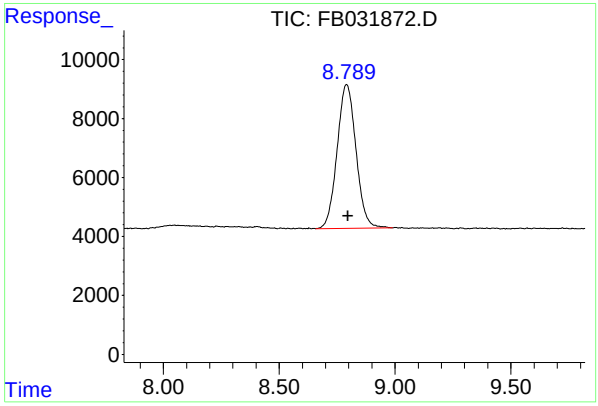
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031872.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 18:10
Operator : YP/AJ
Sample : Q2176-06
Misc : 5.40G/5.00 ML DI WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-27

Integration File: Calibration.e
Quant Time: Jun 04 01:22:22 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 mir
Response:	275794
Conc:	22.60 ng/m

Instrument :
FID_B
ClientSampleId :
TP-27

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 : FB031872.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 18:10
Sample : Q2176-06
Misc : 5.40G/5.00 ML DI WATER
ALS Vial : 15 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	4.627	4.604	4.657	BV	23	292	0.10%	0.061%
2	4.667	4.657	4.687	VV	24	242	0.09%	0.051%
3	4.697	4.687	4.707	VV	24	212	0.07%	0.044%
4	4.716	4.707	4.726	VV	39	253	0.09%	0.053%
5	4.737	4.726	4.758	VV	27	295	0.10%	0.062%
6	5.141	5.105	5.160	VV	14	284	0.10%	0.060%
7	5.200	5.160	5.233	VV	19	392	0.14%	0.082%
8	5.547	5.517	5.559	VV	19	310	0.11%	0.065%
9	5.568	5.559	5.612	VV	20	344	0.12%	0.072%
10	5.628	5.612	5.639	PV	18	160	0.06%	0.034%
11	5.658	5.639	5.675	VV	14	180	0.06%	0.038%
12	5.702	5.675	5.725	VV	18	303	0.11%	0.063%
13	5.735	5.725	5.745	VV	22	178	0.06%	0.037%
14	5.787	5.745	5.820	VV	24	450	0.16%	0.094%
15	5.834	5.820	5.848	VV	21	166	0.06%	0.035%
16	5.863	5.848	5.879	VV	11	191	0.07%	0.040%
17	5.888	5.879	5.898	VV	28	223	0.08%	0.047%
18	5.907	5.898	5.931	VV	27	301	0.11%	0.063%
19	5.940	5.931	5.971	VV	24	207	0.07%	0.043%
20	5.977	5.971	5.995	VV	9	80	0.03%	0.017%
21	6.009	5.995	6.031	PV	23	293	0.10%	0.062%
22	6.041	6.031	6.048	VV	21	159	0.06%	0.033%
23	6.056	6.048	6.066	VV	31	164	0.06%	0.034%
24	6.078	6.066	6.093	VV	23	194	0.07%	0.041%
25	6.109	6.093	6.137	VV	17	290	0.10%	0.061%
26	6.154	6.137	6.170	VV	30	357	0.13%	0.075%
27	6.181	6.170	6.192	VV	32	257	0.09%	0.054%
28	6.209	6.192	6.226	VV	25	335	0.12%	0.070%
29	6.243	6.226	6.253	VV	20	183	0.06%	0.038%
30	6.267	6.253	6.276	VV	18	153	0.05%	0.032%
31	6.310	6.276	6.328	VV	38	718	0.25%	0.150%
32	6.341	6.328	6.352	VV	34	430	0.15%	0.090%
33	6.365	6.352	6.374	VV	39	407	0.14%	0.085%
34	6.394	6.374	6.416	VV	45	647	0.23%	0.136%
35	6.443	6.416	6.485	VV	29	751	0.27%	0.157%
36	6.495	6.485	6.504	VV	25	171	0.06%	0.036%

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37	6.521	6.504	6.548	VV	25	508	0.18%	0.106%
38	6.565	6.548	6.596	VV	21	300	0.11%	0.063%
39	6.633	6.596	6.641	PV	21	300	0.11%	0.063%
40	6.676	6.641	6.708	VV	21	642	0.23%	0.135%
41	6.717	6.708	6.742	VV	36	347	0.12%	0.073%
42	6.763	6.742	6.817	VV	25	710	0.25%	0.149%
43	6.831	6.817	6.843	VV	37	342	0.12%	0.072%
44	6.877	6.843	6.889	VV	37	513	0.18%	0.108%
45	6.899	6.889	6.909	VV	32	241	0.09%	0.050%
46	6.916	6.909	6.925	VV	16	130	0.05%	0.027%
47	6.938	6.925	6.947	VV	20	175	0.06%	0.037%
48	6.966	6.947	6.974	VV	23	252	0.09%	0.053%
49	6.982	6.974	6.997	VV	29	238	0.08%	0.050%
50	7.024	6.997	7.044	VV	34	577	0.20%	0.121%
51	7.057	7.044	7.115	VV	26	745	0.26%	0.156%
52	7.129	7.115	7.143	VV	23	276	0.10%	0.058%
53	7.153	7.143	7.179	VV	23	366	0.13%	0.077%
54	7.228	7.179	7.239	VV	28	687	0.24%	0.144%
55	7.251	7.239	7.265	VV	28	278	0.10%	0.058%
56	7.290	7.265	7.315	VV	33	580	0.21%	0.122%
57	7.323	7.315	7.338	VV	21	230	0.08%	0.048%
58	7.346	7.338	7.360	VV	23	219	0.08%	0.046%
59	7.368	7.360	7.382	VV	25	216	0.08%	0.045%
60	7.394	7.382	7.402	VV	26	201	0.07%	0.042%
61	7.431	7.402	7.442	VV	28	413	0.15%	0.086%
62	7.460	7.442	7.468	VV	27	230	0.08%	0.048%
63	7.476	7.468	7.488	VV	19	192	0.07%	0.040%
64	7.531	7.488	7.547	VV	45	958	0.34%	0.201%
65	7.567	7.547	7.585	VV	39	711	0.25%	0.149%
66	7.598	7.585	7.607	VV	34	417	0.15%	0.087%
67	7.615	7.607	7.632	VV	38	395	0.14%	0.083%
68	7.646	7.632	7.691	VV	34	879	0.31%	0.184%
69	7.698	7.691	7.715	VV	26	328	0.12%	0.069%
70	7.738	7.715	7.755	VV	30	484	0.17%	0.101%
71	7.763	7.755	7.769	PV	21	118	0.04%	0.025%
72	7.785	7.769	7.805	VV	24	355	0.13%	0.074%
73	7.828	7.805	7.836	VV	32	380	0.13%	0.080%
74	7.842	7.836	7.849	VV	27	182	0.06%	0.038%
75	7.883	7.849	7.908	VV	37	871	0.31%	0.182%
76	7.928	7.908	7.935	VV	27	302	0.11%	0.063%
77	7.951	7.935	7.962	VV	48	640	0.23%	0.134%
78	8.029	7.962	8.038	VV	130	4247	1.50%	0.890%
79	8.050	8.038	8.058	VV	140	1604	0.57%	0.336%
80	8.069	8.058	8.086	VV	129	2023	0.72%	0.424%
81	8.091	8.086	8.121	VV	125	2403	0.85%	0.504%
82	8.130	8.121	8.178	VV	109	3432	1.22%	0.719%
83	8.184	8.178	8.218	VV	98	2116	0.75%	0.443%
84	8.229	8.218	8.264	VV	99	2329	0.83%	0.488%
85	8.273	8.264	8.287	VV	92	1170	0.41%	0.245%
86	8.308	8.287	8.317	VV	85	1421	0.50%	0.298%
87	8.327	8.317	8.364	VV	86	2083	0.74%	0.436%
88	8.375	8.364	8.385	VV	72	821	0.29%	0.172%
89	8.405	8.385	8.476	VV	88	3091	1.10%	0.648%

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90	8.481	8.476	8.493	VV	42	301	0.11%	0.063%
91	8.507	8.493	8.515	VV	40	366	0.13%	0.077%
92	8.520	8.515	8.529	VV	31	190	0.07%	0.040%
93	8.538	8.529	8.551	VV	29	257	0.09%	0.054%
94	8.562	8.551	8.570	VV	28	205	0.07%	0.043%
95	8.594	8.570	8.604	VV	34	478	0.17%	0.100%
96	8.630	8.604	8.640	VV	39	473	0.17%	0.099%
97	8.648	8.640	8.658	VV	26	233	0.08%	0.049%
98	8.791	8.658	8.991	VV	4909	282191	100.00%	59.137%
99	9.001	8.991	9.016	VV	57	762	0.27%	0.160%
100	9.029	9.016	9.059	VV	58	1033	0.37%	0.217%
101	9.076	9.059	9.085	VV	42	560	0.20%	0.117%
102	9.120	9.085	9.149	VV	42	1346	0.48%	0.282%
103	9.162	9.149	9.171	VV	43	456	0.16%	0.096%
104	9.194	9.171	9.253	VV	44	1597	0.57%	0.335%
105	9.284	9.253	9.308	VV	42	845	0.30%	0.177%
106	9.317	9.308	9.324	VV	24	155	0.06%	0.033%
107	9.347	9.324	9.358	VV	37	595	0.21%	0.125%
108	9.368	9.358	9.384	VV	34	430	0.15%	0.090%
109	9.396	9.384	9.409	VV	40	421	0.15%	0.088%
110	9.420	9.409	9.455	VV	34	705	0.25%	0.148%
111	9.469	9.455	9.500	VV	18	386	0.14%	0.081%
112	9.540	9.500	9.561	VV	32	810	0.29%	0.170%
113	9.571	9.561	9.591	VV	36	422	0.15%	0.088%
114	9.602	9.591	9.619	VV	38	429	0.15%	0.090%
115	9.628	9.619	9.636	VV	29	260	0.09%	0.054%
116	9.645	9.636	9.666	VV	34	399	0.14%	0.084%
117	9.677	9.666	9.706	VV	26	523	0.19%	0.110%
118	9.723	9.706	9.757	VV	44	764	0.27%	0.160%
119	9.767	9.757	9.794	VV	29	395	0.14%	0.083%
120	9.830	9.794	9.842	VV	39	686	0.24%	0.144%
121	9.851	9.842	9.878	VV	27	469	0.17%	0.098%
122	9.891	9.878	9.923	VV	37	488	0.17%	0.102%
123	9.929	9.923	9.956	VV	28	353	0.12%	0.074%
124	9.967	9.956	9.989	VV	31	286	0.10%	0.060%
125	10.000	9.989	10.032	VV	18	343	0.12%	0.072%
126	10.050	10.032	10.082	VV	30	597	0.21%	0.125%
127	10.091	10.082	10.095	VV	19	118	0.04%	0.025%
128	10.103	10.095	10.128	VV	25	343	0.12%	0.072%
129	10.176	10.128	10.198	VV	34	856	0.30%	0.179%
130	10.238	10.198	10.249	VV	36	731	0.26%	0.153%
131	10.348	10.249	10.359	VV	103	3869	1.37%	0.811%
132	10.369	10.359	10.375	VV	97	849	0.30%	0.178%
133	10.385	10.375	10.396	VV	109	1282	0.45%	0.269%
134	10.404	10.396	10.474	VV	110	3808	1.35%	0.798%
135	10.482	10.474	10.501	VV	58	784	0.28%	0.164%
136	10.516	10.501	10.533	VV	41	708	0.25%	0.148%
137	10.542	10.533	10.557	VV	39	449	0.16%	0.094%
138	10.570	10.557	10.588	VV	41	577	0.20%	0.121%
139	10.614	10.588	10.680	VV	56	1987	0.70%	0.416%
140	10.689	10.680	10.713	VV	24	404	0.14%	0.085%
141	10.749	10.713	10.770	VV	33	729	0.26%	0.153%

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142	10.779	10.770	10.826	VV	34	506	0.18%	0.106%
143	10.836	10.826	10.859	VV	16	257	0.09%	0.054%
144	10.890	10.859	10.900	VV	30	471	0.17%	0.099%
145	10.909	10.900	10.935	VV	29	429	0.15%	0.090%
146	10.980	10.935	10.994	VV	32	740	0.26%	0.155%
147	11.006	10.994	11.022	VV	25	298	0.11%	0.062%
148	11.043	11.022	11.057	VV	28	424	0.15%	0.089%
149	11.067	11.057	11.085	VV	24	313	0.11%	0.066%
150	11.095	11.085	11.109	VV	24	285	0.10%	0.060%
151	11.119	11.109	11.134	VV	23	292	0.10%	0.061%
152	11.143	11.134	11.150	VV	19	168	0.06%	0.035%
153	11.185	11.150	11.194	VV	28	496	0.18%	0.104%
154	11.204	11.194	11.218	VV	24	244	0.09%	0.051%
155	11.240	11.218	11.289	VV	23	556	0.20%	0.116%
156	11.302	11.289	11.323	VV	22	279	0.10%	0.058%
157	11.331	11.323	11.356	VV	36	322	0.11%	0.067%
158	11.383	11.356	11.441	PV	27	704	0.25%	0.147%
159	11.458	11.441	11.529	VV	32	995	0.35%	0.208%
160	11.545	11.529	11.571	VV	39	463	0.16%	0.097%
161	11.627	11.571	11.653	VV	33	838	0.30%	0.176%
162	11.663	11.653	11.682	VV	14	165	0.06%	0.034%
163	11.703	11.682	11.716	VV	21	250	0.09%	0.052%
164	11.733	11.716	11.742	VV	30	246	0.09%	0.052%
165	11.760	11.742	11.771	VV	27	361	0.13%	0.076%
166	11.778	11.771	11.787	VV	32	240	0.09%	0.050%
167	11.797	11.787	11.807	VV	32	321	0.11%	0.067%
168	11.813	11.807	11.838	VV	32	395	0.14%	0.083%
169	11.881	11.838	11.899	VV	40	888	0.31%	0.186%
170	11.908	11.899	11.919	VV	30	197	0.07%	0.041%
171	11.932	11.919	11.944	VV	20	209	0.07%	0.044%
172	11.950	11.944	11.961	VV	25	150	0.05%	0.031%
173	11.973	11.961	11.980	VV	18	129	0.05%	0.027%
174	11.998	11.980	12.006	VV	25	263	0.09%	0.055%
175	12.023	12.006	12.034	VV	31	280	0.10%	0.059%
176	12.042	12.034	12.049	VV	17	124	0.04%	0.026%
177	12.075	12.049	12.086	VV	28	406	0.14%	0.085%
178	12.101	12.086	12.159	VV	23	492	0.17%	0.103%
179	12.167	12.159	12.181	VV	13	124	0.04%	0.026%
180	12.214	12.181	12.233	VV	26	432	0.15%	0.091%
181	12.269	12.233	12.284	VV	19	361	0.13%	0.076%
182	12.299	12.284	12.311	VV	26	284	0.10%	0.059%
183	12.316	12.311	12.345	VV	20	230	0.08%	0.048%
184	12.356	12.345	12.399	VV	22	422	0.15%	0.088%
185	12.411	12.399	12.425	VV	12	163	0.06%	0.034%
186	12.463	12.425	12.481	VV	23	511	0.18%	0.107%
187	12.512	12.481	12.532	VV	30	608	0.22%	0.127%
188	12.545	12.532	12.552	VV	15	118	0.04%	0.025%
189	12.580	12.552	12.593	VV	23	404	0.14%	0.085%
190	12.615	12.593	12.642	VV	25	533	0.19%	0.112%
191	12.659	12.642	12.667	VV	26	257	0.09%	0.054%
192	12.678	12.667	12.708	VV	34	778	0.28%	0.163%
193	12.730	12.708	12.738	VV	52	774	0.27%	0.162%
194	12.761	12.738	12.778	VV	61	1320	0.47%	0.277%

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195	12.788	12.778	12.804	VV	55	737	0.26%	0.154%
196	12.817	12.804	12.842	VV	46	804	0.28%	0.169%
197	12.903	12.842	12.915	VV	59	2045	0.72%	0.429%
198	12.921	12.915	12.972	VV	63	1326	0.47%	0.278%
199	12.981	12.972	12.989	VV	33	279	0.10%	0.058%
200	13.004	12.989	13.019	VV	34	505	0.18%	0.106%
201	13.027	13.019	13.035	VV	30	246	0.09%	0.052%
202	13.049	13.035	13.064	VV	45	566	0.20%	0.119%
203	13.097	13.064	13.119	VV	38	969	0.34%	0.203%
204	13.132	13.119	13.141	VV	34	390	0.14%	0.082%
205	13.169	13.141	13.177	VV	58	960	0.34%	0.201%
206	13.189	13.177	13.257	VV	62	2218	0.79%	0.465%
207	13.338	13.257	13.370	VV	50	2384	0.84%	0.500%
208	13.404	13.370	13.420	VV	48	964	0.34%	0.202%
209	13.434	13.420	13.463	VV	31	687	0.24%	0.144%
210	13.487	13.463	13.505	VV	42	784	0.28%	0.164%
211	13.522	13.505	13.536	VV	43	551	0.20%	0.115%
212	13.561	13.536	13.575	VV	42	763	0.27%	0.160%
213	13.586	13.575	13.597	VV	35	405	0.14%	0.085%
214	13.607	13.597	13.680	VV	35	1315	0.47%	0.276%
215	13.716	13.680	13.738	VV	45	1034	0.37%	0.217%
216	13.768	13.738	13.786	VV	35	772	0.27%	0.162%
217	13.815	13.786	13.831	VV	44	988	0.35%	0.207%
218	13.844	13.831	13.872	VV	47	1005	0.36%	0.211%
219	13.887	13.872	13.895	VV	53	630	0.22%	0.132%
220	13.911	13.895	13.924	VV	57	879	0.31%	0.184%
221	13.939	13.924	13.975	VV	50	1339	0.47%	0.281%
222	14.109	13.975	14.131	VV	119	6999	2.48%	1.467%
223	14.139	14.131	14.163	VV	112	1884	0.67%	0.395%
224	14.174	14.163	14.232	VV	102	2902	1.03%	0.608%
225	14.243	14.232	14.268	VV	45	833	0.30%	0.175%
226	14.273	14.268	14.302	VV	43	621	0.22%	0.130%
227	14.341	14.302	14.369	VV	46	1334	0.47%	0.280%
228	14.398	14.369	14.409	VV	42	873	0.31%	0.183%
229	14.421	14.409	14.478	VV	55	1434	0.51%	0.300%
230	14.487	14.478	14.504	VV	35	469	0.17%	0.098%
231	14.512	14.504	14.532	VV	39	527	0.19%	0.110%
232	14.543	14.532	14.564	VV	45	535	0.19%	0.112%
233	14.583	14.564	14.595	VV	29	437	0.15%	0.092%
234	14.605	14.595	14.643	VV	27	669	0.24%	0.140%
235	14.671	14.643	14.687	VV	40	674	0.24%	0.141%
236	14.711	14.687	14.722	VV	36	546	0.19%	0.114%
237	14.733	14.722	14.743	VV	39	347	0.12%	0.073%
238	14.754	14.743	14.769	VV	41	353	0.13%	0.074%
239	14.789	14.769	14.795	VV	26	336	0.12%	0.070%
240	14.810	14.795	14.820	VV	42	500	0.18%	0.105%
241	14.826	14.820	14.861	VV	38	672	0.24%	0.141%
242	14.869	14.861	14.879	VV	26	244	0.09%	0.051%
243	14.911	14.879	14.924	VV	44	882	0.31%	0.185%
244	14.933	14.924	14.958	VV	30	541	0.19%	0.113%
245	15.008	14.958	15.018	VV	50	1292	0.46%	0.271%
246	15.065	15.018	15.080	VV	73	2317	0.82%	0.486%

rteres

247	15.088	15.080	15.134	VV	72	1456	0.52%	0.305%
248	15.193	15.134	15.223	VV	37	1391	0.49%	0.291%
249	15.237	15.223	15.275	VV	37	990	0.35%	0.208%
250	15.297	15.275	15.306	VV	41	579	0.21%	0.121%
251	15.312	15.306	15.318	VV	31	195	0.07%	0.041%
252	15.399	15.318	15.474	VV	45	3170	1.12%	0.664%
253	15.482	15.474	15.486	VV	35	227	0.08%	0.047%
254	15.502	15.486	15.511	VV	45	599	0.21%	0.125%
255	15.521	15.511	15.564	VV	49	1081	0.38%	0.227%
256	15.575	15.564	15.590	VV	42	425	0.15%	0.089%
257	15.597	15.590	15.620	VV	28	391	0.14%	0.082%
258	15.637	15.620	15.670	VV	30	605	0.21%	0.127%
259	15.695	15.670	15.718	VV	26	461	0.16%	0.097%
260	15.730	15.718	15.740	PV	26	221	0.08%	0.046%
261	15.757	15.740	15.779	VV	28	541	0.19%	0.113%
262	15.814	15.779	15.824	VV	48	754	0.27%	0.158%
263	15.864	15.824	15.891	VV	46	1228	0.44%	0.257%
264	15.914	15.891	15.931	VV	44	754	0.27%	0.158%
265	15.948	15.931	15.958	VV	35	394	0.14%	0.083%
266	15.968	15.958	15.977	VV	25	273	0.10%	0.057%
267	15.986	15.977	15.993	VV	24	219	0.08%	0.046%
268	16.003	15.993	16.028	VV	36	505	0.18%	0.106%
269	16.041	16.028	16.055	VV	20	195	0.07%	0.041%
270	16.060	16.055	16.068	VV	12	69	0.02%	0.015%
271	16.121	16.068	16.130	VV	20	464	0.16%	0.097%
272	16.189	16.130	16.213	VV	70	2187	0.77%	0.458%
273	16.221	16.213	16.280	VV	51	1354	0.48%	0.284%
274	16.290	16.280	16.308	VV	38	459	0.16%	0.096%
275	16.316	16.308	16.325	VV	32	203	0.07%	0.043%
276	16.336	16.325	16.349	VV	23	251	0.09%	0.053%
277	16.392	16.349	16.410	VV	38	822	0.29%	0.172%
278	16.423	16.410	16.445	VV	51	647	0.23%	0.136%
279	16.469	16.445	16.504	VV	42	1078	0.38%	0.226%
280	16.514	16.504	16.521	VV	23	214	0.08%	0.045%
281	16.548	16.521	16.566	VV	30	550	0.19%	0.115%
282	16.582	16.566	16.611	VV	26	519	0.18%	0.109%
283	16.630	16.611	16.645	VV	33	424	0.15%	0.089%
284	16.669	16.645	16.703	VV	38	800	0.28%	0.168%
285	16.732	16.703	16.747	VV	30	314	0.11%	0.066%
286	16.767	16.747	16.775	PV	20	233	0.08%	0.049%
287	16.786	16.775	16.797	VV	22	219	0.08%	0.046%
288	16.831	16.797	16.842	VV	23	422	0.15%	0.088%
289	16.857	16.842	16.866	VV	25	256	0.09%	0.054%
290	16.902	16.866	16.942	VV	27	779	0.28%	0.163%
291	16.955	16.942	16.966	PV	6	47	0.02%	0.010%
			Sum of corrected areas:			477178		

FB053025.M Wed Jun 04 02:24:24 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031873.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 18:38
Operator : YP/AJ
Sample : Q2176-07
Misc : 6.77G/5.00 ML DI WATER
ALS Vial : 18 Sample Multiplier: 1

Integration File: Calibration.e
Quant Time: Jun 04 01:22:30 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

Instrument :
FID_B
ClientSampleId :
TP-31

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s AAA-TFT	8.788	137745	11.288 ng/mlm
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031873.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 18:38
Operator : YP/AJ
Sample : Q2176-07
Misc : 6.77G/5.00 ML DI WATER
ALS Vial : 18 Sample Multiplier: 1

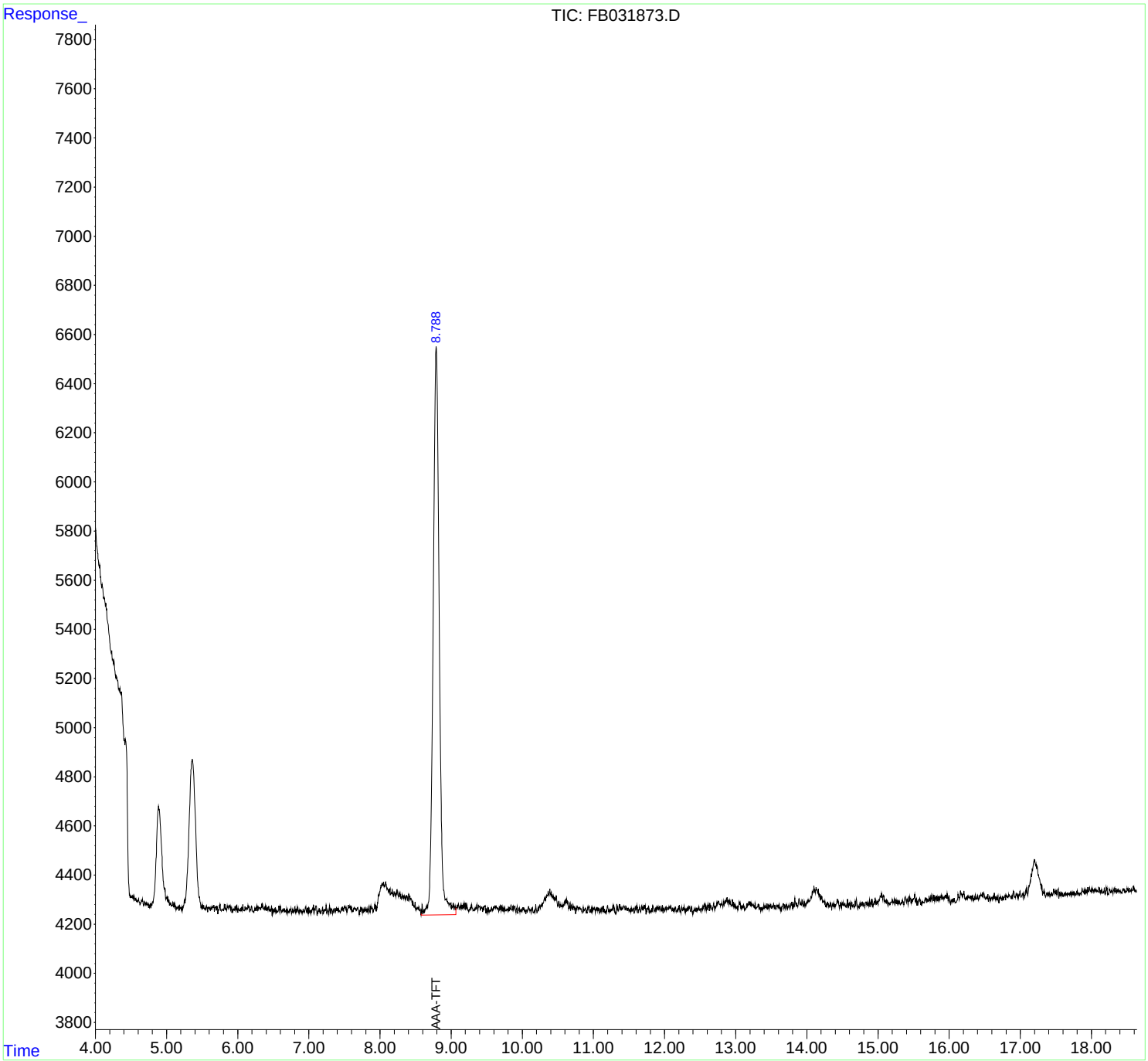
Integration File: Calibration.e
Quant Time: Jun 04 01:22:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

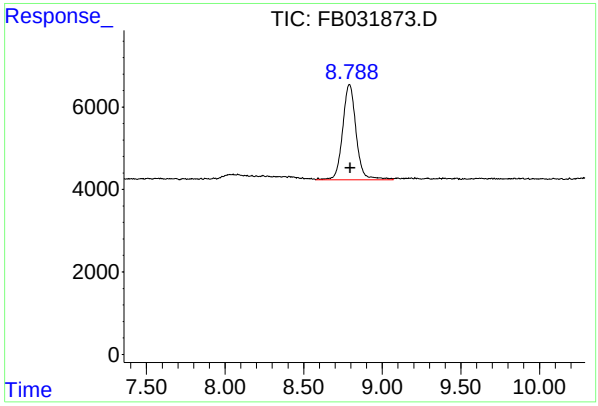
Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Instrument :
FID_B
ClientSampleId :
TP-31

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025





#5 AAA-TFT

R.T.:	8.788 min
Delta R.T.:	-0.009 mir
Response:	137745
Conc:	11.29 ng/m

Instrument :
FID_B
ClientSampleId :
TP-31

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Instrument :
FID_B
ClientSampleId :
TP-31

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB06032
Data File : FB031873.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 18:38
Sample : Q2176-07
Misc : 6.77G/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	4.662	4.604	4.680	BV	18	68	0.05%	0.021%
2	4.694	4.680	4.708	PV	16	149	0.11%	0.047%
3	4.724	4.708	4.749	VV	17	248	0.19%	0.078%
4	4.754	4.749	4.763	VV	11	59	0.04%	0.019%
5	4.774	4.763	4.783	PV	15	106	0.08%	0.033%
6	5.004	4.991	5.013	VV	48	557	0.42%	0.175%
7	5.021	5.013	5.045	VV	49	661	0.50%	0.208%
8	5.053	5.045	5.072	VV	24	303	0.23%	0.095%
9	5.089	5.072	5.099	VV	30	299	0.22%	0.094%
10	5.108	5.099	5.136	VV	26	317	0.24%	0.100%
11	5.184	5.136	5.192	PV	20	325	0.24%	0.102%
12	5.199	5.192	5.222	VV	11	119	0.09%	0.037%
13	5.561	5.551	5.578	VV	26	274	0.21%	0.086%
14	5.588	5.578	5.623	VV	22	431	0.32%	0.135%
15	5.664	5.623	5.673	VV	31	579	0.43%	0.182%
16	5.685	5.673	5.698	VV	22	277	0.21%	0.087%
17	5.713	5.698	5.723	VV	27	250	0.19%	0.078%
18	5.752	5.723	5.770	PV	36	543	0.41%	0.170%
19	5.783	5.770	5.796	VV	18	223	0.17%	0.070%
20	5.820	5.796	5.848	VV	34	628	0.47%	0.197%
21	5.857	5.848	5.869	VV	30	309	0.23%	0.097%
22	5.879	5.869	5.921	VV	33	715	0.54%	0.224%
23	5.987	5.921	6.001	VV	36	881	0.66%	0.277%
24	6.040	6.001	6.052	VV	22	483	0.36%	0.152%
25	6.072	6.052	6.085	VV	35	443	0.33%	0.139%
26	6.146	6.085	6.154	VV	35	951	0.71%	0.299%
27	6.159	6.154	6.188	VV	32	415	0.31%	0.130%
28	6.196	6.188	6.226	VV	34	451	0.34%	0.141%
29	6.240	6.226	6.249	VV	22	246	0.18%	0.077%
30	6.272	6.249	6.286	VV	36	560	0.42%	0.176%
31	6.297	6.286	6.323	VV	30	581	0.44%	0.182%
32	6.344	6.323	6.370	VV	44	888	0.67%	0.279%
33	6.394	6.370	6.410	VV	33	643	0.48%	0.202%
34	6.438	6.410	6.464	VV	36	791	0.59%	0.248%
35	6.474	6.464	6.484	VV	36	262	0.20%	0.082%
36	6.495	6.484	6.513	PV	26	302	0.23%	0.095%

Page 1

Instrument :
FID_B
ClientSampleId :
TP-31

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

rteres

37	6.532	6.513	6.542	VV	28	350	0.26%	0.110%
38	6.583	6.542	6.594	VV	35	586		
39	6.603	6.594	6.619	VV	36	335		
40	6.655	6.619	6.683	VV	27	739		
41	6.690	6.683	6.711	VV	25	276		
42	6.749	6.711	6.759	VV	25	509		
43	6.775	6.759	6.793	VV	26	336	0.25%	0.106%
44	6.803	6.793	6.813	VV	34	253	0.19%	0.079%
45	6.844	6.813	6.861	VV	29	581	0.44%	0.182%
46	6.876	6.861	6.913	VV	22	506	0.38%	0.159%
47	6.922	6.913	6.942	VV	24	282	0.21%	0.089%
48	6.955	6.942	6.968	VV	32	378	0.28%	0.119%
49	6.982	6.968	6.994	VV	24	296	0.22%	0.093%
50	7.003	6.994	7.028	VV	31	340	0.25%	0.107%
51	7.065	7.028	7.075	VV	41	589	0.44%	0.185%
52	7.085	7.075	7.091	VV	24	188	0.14%	0.059%
53	7.103	7.091	7.125	VV	37	435	0.33%	0.137%
54	7.151	7.125	7.171	VV	25	452	0.34%	0.142%
55	7.192	7.171	7.201	VV	31	312	0.23%	0.098%
56	7.221	7.201	7.229	VV	22	301	0.23%	0.095%
57	7.245	7.229	7.255	VV	42	375	0.28%	0.118%
58	7.268	7.255	7.282	VV	22	224	0.17%	0.070%
59	7.291	7.282	7.312	VV	36	376	0.28%	0.118%
60	7.323	7.312	7.347	VV	26	337	0.25%	0.106%
61	7.357	7.347	7.366	VV	27	226	0.17%	0.071%
62	7.386	7.366	7.443	VV	31	935	0.70%	0.293%
63	7.468	7.443	7.490	VV	31	636	0.48%	0.200%
64	7.509	7.490	7.519	VV	38	507	0.38%	0.159%
65	7.523	7.519	7.535	VV	30	229	0.17%	0.072%
66	7.555	7.535	7.563	VV	39	434	0.33%	0.136%
67	7.578	7.563	7.621	VV	37	940	0.70%	0.295%
68	7.634	7.621	7.666	VV	29	640	0.48%	0.201%
69	7.687	7.666	7.710	VV	31	534	0.40%	0.168%
70	7.732	7.710	7.755	VV	31	529	0.40%	0.166%
71	7.761	7.755	7.781	VV	21	274	0.21%	0.086%
72	7.791	7.781	7.835	VV	31	649	0.49%	0.204%
73	7.847	7.835	7.860	VV	35	325	0.24%	0.102%
74	7.872	7.860	7.904	VV	36	626	0.47%	0.196%
75	7.927	7.904	7.948	VV	43	744	0.56%	0.234%
76	8.033	7.948	8.041	VV	128	4743	3.55%	1.489%
77	8.052	8.041	8.070	VV	132	2126	1.59%	0.667%
78	8.081	8.070	8.153	VV	134	5325	3.99%	1.671%
79	8.173	8.153	8.188	VV	105	1903	1.43%	0.597%
80	8.199	8.188	8.225	VV	95	1860	1.39%	0.584%
81	8.241	8.225	8.261	VV	103	1934	1.45%	0.607%
82	8.270	8.261	8.303	VV	94	1979	1.48%	0.621%
83	8.312	8.303	8.359	VV	83	2451	1.84%	0.769%
84	8.372	8.359	8.398	VV	79	1667	1.25%	0.523%
85	8.407	8.398	8.454	VV	86	2265	1.70%	0.711%
86	8.463	8.454	8.484	VV	56	781	0.58%	0.245%
87	8.494	8.484	8.562	VV	51	1328	0.99%	0.417%
88	8.566	8.562	8.578	VV	22	134	0.10%	0.042%
89	8.593	8.578	8.604	VV	42	302	0.23%	0.095%

Instrument :
FID_B
ClientSampleId :
TP-31

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

rteres

90	8.612	8.604	8.618	VV	17	109	0.08%	0.034%
91	8.791	8.618	8.918	VV	2313	133499	100	
92	8.929	8.918	9.004	VV	64	2621	1	
93	9.028	9.004	9.045	VV	45	806	0	
94	9.057	9.045	9.074	VV	37	512	0	
95	9.102	9.074	9.116	VV	45	844	0	
96	9.127	9.116	9.163	VV	32	843	0.63%	0.264%
97	9.186	9.163	9.200	VV	47	770	0.58%	0.242%
98	9.208	9.200	9.217	VV	46	347	0.26%	0.109%
99	9.225	9.217	9.249	VV	38	488	0.37%	0.153%
100	9.291	9.249	9.311	VV	39	955	0.72%	0.300%
101	9.364	9.311	9.377	VV	42	972	0.73%	0.305%
102	9.386	9.377	9.412	VV	38	635	0.48%	0.199%
103	9.432	9.412	9.445	VV	32	511	0.38%	0.161%
104	9.472	9.445	9.504	VV	37	848	0.64%	0.266%
105	9.525	9.504	9.537	VV	29	378	0.28%	0.119%
106	9.568	9.537	9.583	VV	29	522	0.39%	0.164%
107	9.619	9.583	9.669	VV	36	1441	1.08%	0.452%
108	9.696	9.669	9.705	VV	38	558	0.42%	0.175%
109	9.713	9.705	9.735	VV	37	425	0.32%	0.133%
110	9.755	9.735	9.765	VV	28	390	0.29%	0.123%
111	9.793	9.765	9.800	VV	24	416	0.31%	0.131%
112	9.823	9.800	9.830	VV	29	409	0.31%	0.128%
113	9.842	9.830	9.862	VV	40	498	0.37%	0.156%
114	9.870	9.862	9.881	VV	35	329	0.25%	0.103%
115	9.895	9.881	9.910	VV	36	475	0.36%	0.149%
116	9.929	9.910	9.939	VV	30	377	0.28%	0.118%
117	9.956	9.939	9.968	VV	25	345	0.26%	0.108%
118	9.975	9.968	9.993	VV	21	275	0.21%	0.086%
119	10.023	9.993	10.051	VV	29	685	0.51%	0.215%
120	10.062	10.051	10.071	VV	17	160	0.12%	0.050%
121	10.089	10.071	10.125	VV	32	690	0.52%	0.217%
122	10.142	10.125	10.157	VV	27	352	0.26%	0.110%
123	10.192	10.157	10.209	VV	38	545	0.41%	0.171%
124	10.246	10.209	10.255	VV	39	708	0.53%	0.222%
125	10.268	10.255	10.276	VV	39	441	0.33%	0.139%
126	10.312	10.276	10.320	VV	68	1339	1.00%	0.420%
127	10.366	10.320	10.376	VV	95	2577	1.93%	0.809%
128	10.388	10.376	10.467	VV	104	4229	3.17%	1.327%
129	10.479	10.467	10.500	VV	77	1112	0.83%	0.349%
130	10.515	10.500	10.549	VV	55	1123	0.84%	0.353%
131	10.620	10.549	10.653	VV	62	2773	2.08%	0.870%
132	10.661	10.653	10.666	VV	36	252	0.19%	0.079%
133	10.674	10.666	10.684	VV	49	370	0.28%	0.116%
134	10.697	10.684	10.713	VV	40	510	0.38%	0.160%
135	10.720	10.713	10.752	VV	33	577	0.43%	0.181%
136	10.777	10.752	10.800	VV	33	723	0.54%	0.227%
137	10.809	10.800	10.845	VV	29	588	0.44%	0.185%
138	10.858	10.845	10.871	VV	30	287	0.22%	0.090%
139	10.888	10.871	10.898	VV	27	333	0.25%	0.104%
140	10.903	10.898	10.910	VV	15	84	0.06%	0.026%
141	10.941	10.910	10.952	VV	34	578	0.43%	0.181%

Instrument :
FID_B
ClientSampleId :
TP-31

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/04/2025
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					rteres			
142	10.979	10.952	11.028	VV	29	885	0.66%	0.278%
143	11.055	11.028	11.091	VV	28	785		
144	11.122	11.091	11.132	VV	30	506		
145	11.141	11.132	11.170	VV	34	382		
146	11.199	11.170	11.232	VV	38	689		
147	11.285	11.232	11.315	VV	37	968		
148	11.331	11.315	11.352	VV	40	477	0.36%	0.150%
149	11.371	11.352	11.396	VV	38	698	0.52%	0.219%
150	11.430	11.396	11.447	VV	35	805	0.60%	0.253%
151	11.457	11.447	11.468	VV	35	334	0.25%	0.105%
152	11.476	11.468	11.483	VV	25	173	0.13%	0.054%
153	11.492	11.483	11.523	VV	25	449	0.34%	0.141%
154	11.564	11.523	11.575	VV	26	554	0.42%	0.174%
155	11.612	11.575	11.629	VV	35	717	0.54%	0.225%
156	11.652	11.629	11.665	VV	29	424	0.32%	0.133%
157	11.680	11.665	11.696	VV	35	442	0.33%	0.139%
158	11.715	11.696	11.743	VV	36	737	0.55%	0.231%
159	11.776	11.743	11.806	VV	36	669	0.50%	0.210%
160	11.838	11.806	11.855	VV	35	613	0.46%	0.193%
161	11.870	11.855	11.879	VV	27	260	0.19%	0.081%
162	11.901	11.879	11.924	VV	31	665	0.50%	0.209%
163	11.933	11.924	11.960	VV	33	487	0.37%	0.153%
164	11.968	11.960	12.005	VV	35	522	0.39%	0.164%
165	12.021	12.005	12.030	VV	31	351	0.26%	0.110%
166	12.045	12.030	12.056	VV	28	372	0.28%	0.117%
167	12.067	12.056	12.080	VV	31	382	0.29%	0.120%
168	12.089	12.080	12.108	VV	36	416	0.31%	0.131%
169	12.115	12.108	12.127	VV	25	204	0.15%	0.064%
170	12.155	12.127	12.166	VV	31	507	0.38%	0.159%
171	12.181	12.166	12.187	VV	19	209	0.16%	0.066%
172	12.209	12.187	12.230	VV	36	560	0.42%	0.176%
173	12.242	12.230	12.252	VV	29	257	0.19%	0.081%
174	12.262	12.252	12.269	VV	27	233	0.17%	0.073%
175	12.275	12.269	12.299	VV	34	348	0.26%	0.109%
176	12.352	12.299	12.368	VV	33	895	0.67%	0.281%
177	12.383	12.368	12.396	VV	32	322	0.24%	0.101%
178	12.453	12.396	12.474	PV	26	771	0.58%	0.242%
179	12.562	12.474	12.590	VV	39	1675	1.25%	0.526%
180	12.614	12.590	12.631	VV	37	714	0.54%	0.224%
181	12.643	12.631	12.676	VV	31	712	0.53%	0.223%
182	12.691	12.676	12.707	VV	41	544	0.41%	0.171%
183	12.758	12.707	12.784	VV	51	1696	1.27%	0.533%
184	12.807	12.784	12.837	VV	43	1142	0.86%	0.358%
185	12.878	12.837	12.948	VV	57	2967	2.22%	0.931%
186	12.956	12.948	13.029	VV	52	1415	1.06%	0.444%
187	13.054	13.029	13.087	VV	42	1001	0.75%	0.314%
188	13.109	13.087	13.134	VV	27	592	0.44%	0.186%
189	13.184	13.134	13.266	VV	42	2294	1.72%	0.720%
190	13.273	13.266	13.289	VV	33	333	0.25%	0.105%
191	13.319	13.289	13.352	VV	32	753	0.56%	0.236%
192	13.441	13.352	13.525	VV	32	1893	1.42%	0.594%
193	13.535	13.525	13.565	VV	32	477	0.36%	0.150%
194	13.588	13.565	13.639	VV	26	752	0.56%	0.236%

Instrument :
FID_B
ClientSampleId :
TP-31

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/04/2025
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					rteres			
195	13.668	13.639	13.700	VV	29	647	0.48%	0.203%
196	13.714	13.700	13.734	VV	27	355		
197	13.748	13.734	13.761	VV	24	266		
198	13.787	13.761	13.802	VV	26	541		
199	13.833	13.802	13.875	VV	44	1165		
200	13.892	13.875	13.918	VV	49	836		
201	13.934	13.918	13.956	VV	41	667	0.50%	0.209%
202	13.968	13.956	13.986	VV	32	466	0.35%	0.146%
203	14.025	13.986	14.039	VV	37	1073	0.80%	0.337%
204	14.101	14.039	14.120	VV	98	3226	2.42%	1.013%
205	14.132	14.120	14.271	VV	90	4710	3.53%	1.478%
206	14.295	14.271	14.318	VV	28	539	0.40%	0.169%
207	14.334	14.318	14.371	VV	26	486	0.36%	0.153%
208	14.430	14.371	14.459	VV	39	1141	0.85%	0.358%
209	14.475	14.459	14.487	VV	27	282	0.21%	0.089%
210	14.508	14.487	14.557	VV	26	674	0.50%	0.212%
211	14.571	14.557	14.616	VV	37	577	0.43%	0.181%
212	14.631	14.616	14.666	PV	21	399	0.30%	0.125%
213	14.699	14.666	14.738	VV	37	588	0.44%	0.184%
214	14.780	14.738	14.858	VV	25	1098	0.82%	0.345%
215	14.917	14.858	14.932	VV	33	816	0.61%	0.256%
216	14.959	14.932	14.977	VV	34	521	0.39%	0.163%
217	15.053	14.977	15.172	VV	58	3344	2.50%	1.050%
218	15.203	15.172	15.239	VV	30	796	0.60%	0.250%
219	15.251	15.239	15.289	VV	25	554	0.41%	0.174%
220	15.298	15.289	15.316	VV	23	245	0.18%	0.077%
221	15.348	15.316	15.365	VV	23	460	0.34%	0.144%
222	15.383	15.365	15.426	VV	38	843	0.63%	0.265%
223	15.451	15.426	15.476	VV	31	732	0.55%	0.230%
224	15.516	15.476	15.559	VV	48	1195	0.90%	0.375%
225	15.585	15.559	15.615	VV	28	574	0.43%	0.180%
226	15.629	15.615	15.648	VV	12	233	0.17%	0.073%
227	15.676	15.648	15.709	VV	29	792	0.59%	0.249%
228	15.774	15.709	15.842	VV	41	2091	1.57%	0.656%
229	15.886	15.842	15.931	VV	37	1478	1.11%	0.464%
230	15.970	15.931	15.988	VV	40	1073	0.80%	0.337%
231	15.998	15.988	16.021	VV	34	380	0.28%	0.119%
232	16.045	16.021	16.094	VV	18	570	0.43%	0.179%
233	16.128	16.094	16.142	VV	37	531	0.40%	0.167%
234	16.165	16.142	16.186	VV	46	934	0.70%	0.293%
235	16.207	16.186	16.226	VV	49	827	0.62%	0.260%
236	16.269	16.226	16.354	VV	31	1767	1.32%	0.555%
237	16.489	16.354	16.516	VV	41	2476	1.85%	0.777%
238	16.638	16.516	16.699	VV	34	1872	1.40%	0.588%
239	16.804	16.699	16.876	PV	22	1356	1.02%	0.426%
			Sum of corrected areas:			318581		

FB053025.M Wed Jun 04 02:26:32 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060425\
Data File : FB031884.D
Signal(s) : FID2B.CH
Acq On : 4 Jun 2025 13:16
Operator : YP/AJ
Sample : Q2176-08 50X
Misc : 6.00G/5.00 ML MEOH
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-65

Integration File: Calibration.e
Quant Time: Jun 05 01:30:03 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	8.790	278466	22.820 ng/ml
Target Compounds			

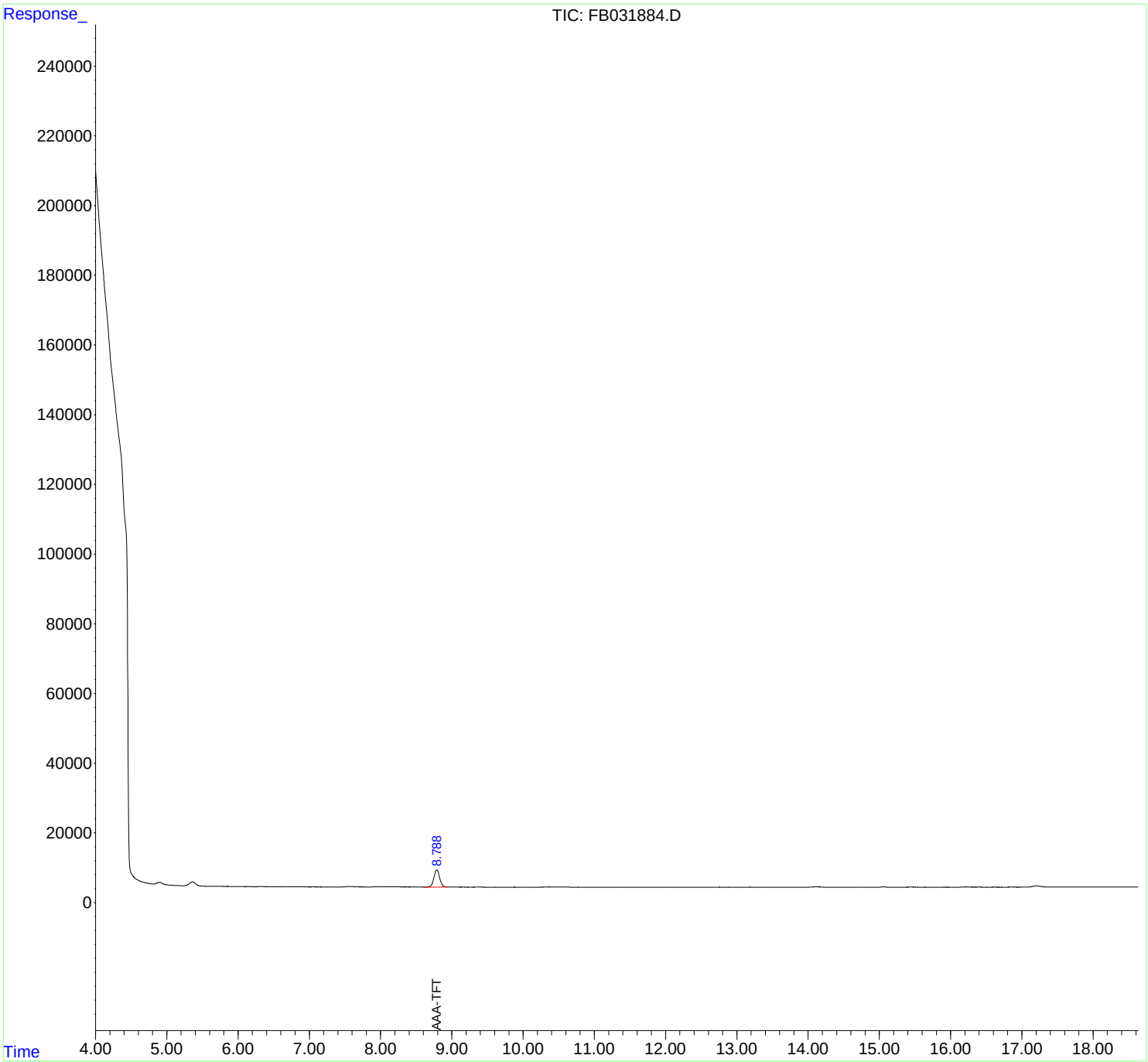
(f)=RT Delta > 1/2 Window (m)=manual int.

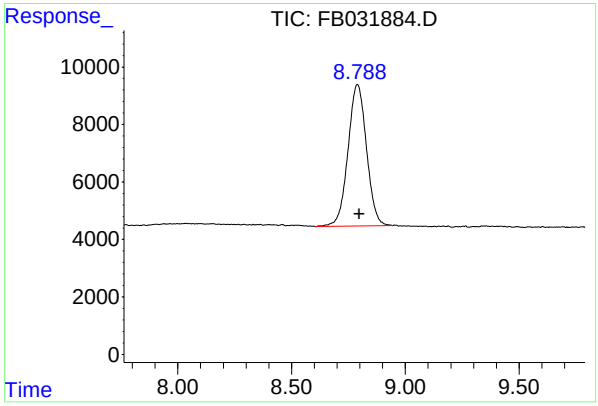
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060425\
Data File : FB031884.D
Signal(s) : FID2B.CH
Acq On : 4 Jun 2025 13:16
Operator : YP/AJ
Sample : Q2176-08 50X
Misc : 6.00G/5.00 ML MEOH
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-65

Integration File: Calibration.e
Quant Time: Jun 05 01:30:03 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.:	8.790 min
Delta R.T.:	-0.008 mir
Response:	278466
Conc:	22.82 ng/m

Instrument :
FID_B
ClientSampleId :
TP-65

6

A B C D E F G H I

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060425\
Data File : FB031884.D
Signal(s) : FID2B.CH
Acq On : 4 Jun 2025 13:16
Sample : Q2176-08 50X
Misc : 6.00G/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	5.163	5.153	5.227	PV	13	251	0.09%	0.054%
2	5.543	5.531	5.563	PV	19	177	0.06%	0.038%
3	5.574	5.563	5.584	VV	18	157	0.05%	0.034%
4	5.591	5.584	5.611	VV	26	204	0.07%	0.044%
5	5.624	5.611	5.656	PV	19	292	0.10%	0.063%
6	5.666	5.656	5.700	VV	25	456	0.16%	0.099%
7	5.708	5.700	5.726	PV	12	181	0.06%	0.039%
8	5.739	5.726	5.794	VV	17	504	0.18%	0.109%
9	5.806	5.794	5.826	VV	21	189	0.07%	0.041%
10	5.831	5.826	5.838	VV	21	74	0.03%	0.016%
11	5.849	5.838	5.871	PV	23	302	0.11%	0.065%
12	5.878	5.871	5.893	VV	13	82	0.03%	0.018%
13	5.902	5.893	5.948	PV	21	226	0.08%	0.049%
14	5.959	5.948	5.988	PV	17	137	0.05%	0.030%
15	6.001	5.988	6.015	PV	18	178	0.06%	0.039%
16	6.025	6.015	6.048	VV	23	237	0.08%	0.051%
17	6.058	6.048	6.069	PV	23	130	0.05%	0.028%
18	6.088	6.069	6.103	VV	13	121	0.04%	0.026%
19	6.125	6.103	6.136	PV	18	212	0.07%	0.046%
20	6.147	6.136	6.169	PV	36	360	0.13%	0.078%
21	6.179	6.169	6.209	VV	21	256	0.09%	0.055%
22	6.221	6.209	6.241	VV	17	219	0.08%	0.047%
23	6.311	6.241	6.327	VV	43	1375	0.48%	0.297%
24	6.340	6.327	6.374	VV	50	1171	0.41%	0.253%
25	6.396	6.374	6.455	VV	47	1364	0.48%	0.295%
26	6.462	6.455	6.485	VV	19	201	0.07%	0.043%
27	6.498	6.485	6.513	VV	15	158	0.06%	0.034%
28	6.533	6.513	6.558	VV	27	476	0.17%	0.103%
29	6.565	6.558	6.581	PV	34	202	0.07%	0.044%
30	6.594	6.581	6.606	VV	15	161	0.06%	0.035%
31	6.613	6.606	6.664	PB	16	137	0.05%	0.030%
32	6.698	6.672	6.718	BV	27	254	0.09%	0.055%
33	6.742	6.718	6.752	PV	13	156	0.05%	0.034%
34	6.781	6.752	6.798	VV	24	364	0.13%	0.079%
35	6.814	6.798	6.825	VV	14	153	0.05%	0.033%
36	6.855	6.825	6.876	VV	28	486	0.17%	0.105%

rteres

37	6.888	6.876	6.898	VV	24	223	0.08%	0.048%
38	6.918	6.898	6.941	VV	41	484	0.17%	0.105%
39	6.982	6.941	7.019	VV	28	828	0.29%	0.179%
40	7.045	7.019	7.058	VV	35	591	0.21%	0.128%
41	7.071	7.058	7.103	VV	34	613	0.22%	0.133%
42	7.111	7.103	7.141	VV	27	424	0.15%	0.092%
43	7.164	7.141	7.179	VV	27	394	0.14%	0.085%
44	7.189	7.179	7.231	VV	14	306	0.11%	0.066%
45	7.240	7.231	7.248	PV	10	78	0.03%	0.017%
46	7.282	7.248	7.319	VV	33	560	0.20%	0.121%
47	7.374	7.319	7.393	PV	24	588	0.21%	0.127%
48	7.402	7.393	7.415	VV	18	168	0.06%	0.036%
49	7.424	7.415	7.443	PV	17	231	0.08%	0.050%
50	7.565	7.443	7.657	VV	158	11532	4.05%	2.493%
51	7.666	7.657	7.687	VV	55	739	0.26%	0.160%
52	7.696	7.687	7.762	VB	41	745	0.26%	0.161%
53	7.774	7.763	7.786	BV	24	175	0.06%	0.038%
54	7.804	7.786	7.840	PV	16	258	0.09%	0.056%
55	7.852	7.840	7.866	VV	23	162	0.06%	0.035%
56	7.910	7.866	7.920	PV	35	784	0.28%	0.169%
57	7.942	7.920	7.952	VV	46	749	0.26%	0.162%
58	7.966	7.952	7.977	VV	49	575	0.20%	0.124%
59	7.998	7.977	8.013	VV	38	760	0.27%	0.164%
60	8.038	8.013	8.122	VB	43	1857	0.65%	0.401%
61	8.144	8.125	8.172	BV	22	372	0.13%	0.080%
62	8.183	8.172	8.192	VV	12	99	0.03%	0.021%
63	8.200	8.192	8.214	VV	12	115	0.04%	0.025%
64	8.220	8.214	8.231	VV	14	101	0.04%	0.022%
65	8.236	8.231	8.243	VV	19	92	0.03%	0.020%
66	8.266	8.243	8.277	VV	21	294	0.10%	0.064%
67	8.293	8.277	8.323	VV	23	408	0.14%	0.088%
68	8.332	8.323	8.377	VV	29	732	0.26%	0.158%
69	8.398	8.377	8.412	VV	34	548	0.19%	0.118%
70	8.419	8.412	8.446	VV	33	553	0.19%	0.120%
71	8.459	8.446	8.476	VV	48	555	0.20%	0.120%
72	8.501	8.476	8.512	VV	34	508	0.18%	0.110%
73	8.528	8.512	8.607	VV	36	1212	0.43%	0.262%
74	8.790	8.607	8.973	PV	4956	284834	100.00%	61.572%
75	8.981	8.973	8.989	VV	39	326	0.11%	0.071%
76	8.998	8.989	9.057	VV	40	1288	0.45%	0.278%
77	9.065	9.057	9.076	VV	31	310	0.11%	0.067%
78	9.085	9.076	9.102	VV	33	396	0.14%	0.086%
79	9.130	9.102	9.139	VV	28	436	0.15%	0.094%
80	9.168	9.139	9.183	VV	39	712	0.25%	0.154%
81	9.190	9.183	9.206	VV	48	338	0.12%	0.073%
82	9.225	9.206	9.233	VV	23	216	0.08%	0.047%
83	9.266	9.233	9.283	VV	46	682	0.24%	0.147%
84	9.299	9.283	9.311	VV	30	310	0.11%	0.067%
85	9.317	9.311	9.323	VV	24	141	0.05%	0.030%
86	9.338	9.323	9.375	VV	50	1161	0.41%	0.251%
87	9.381	9.375	9.405	VV	44	652	0.23%	0.141%
88	9.420	9.405	9.448	VV	44	894	0.31%	0.193%
89	9.460	9.448	9.471	VV	37	310	0.11%	0.067%

rteres

90	9.490	9.471	9.527	VV	29	492	0.17%	0.106%
91	9.545	9.527	9.559	PV	25	282	0.10%	0.061%
92	9.587	9.559	9.594	VV	19	270	0.09%	0.058%
93	9.603	9.594	9.629	VV	33	300	0.11%	0.065%
94	9.640	9.629	9.651	VV	18	203	0.07%	0.044%
95	9.697	9.651	9.706	VV	26	608	0.21%	0.131%
96	9.712	9.706	9.723	VV	19	101	0.04%	0.022%
97	9.736	9.723	9.746	VV	20	200	0.07%	0.043%
98	9.753	9.746	9.763	VV	18	145	0.05%	0.031%
99	9.776	9.763	9.795	VV	29	384	0.13%	0.083%
100	9.815	9.795	9.842	VV	20	490	0.17%	0.106%
101	9.871	9.842	9.878	VV	32	502	0.18%	0.108%
102	9.886	9.878	9.899	VV	34	334	0.12%	0.072%
103	9.914	9.899	9.932	VV	28	454	0.16%	0.098%
104	9.950	9.932	9.970	VV	24	390	0.14%	0.084%
105	9.995	9.970	10.019	VV	24	423	0.15%	0.091%
106	10.027	10.019	10.070	VV	22	264	0.09%	0.057%
107	10.099	10.070	10.135	VV	19	425	0.15%	0.092%
108	10.141	10.135	10.149	VV	13	78	0.03%	0.017%
109	10.170	10.149	10.185	VV	28	353	0.12%	0.076%
110	10.191	10.185	10.199	VV	19	125	0.04%	0.027%
111	10.218	10.199	10.231	VV	23	378	0.13%	0.082%
112	10.359	10.231	10.369	VV	137	5656	1.99%	1.223%
113	10.377	10.369	10.483	VV	112	6055	2.13%	1.309%
114	10.491	10.483	10.498	VV	68	579	0.20%	0.125%
115	10.510	10.498	10.521	VV	72	912	0.32%	0.197%
116	10.530	10.521	10.577	VV	71	2075	0.73%	0.449%
117	10.620	10.577	10.671	VV	94	3544	1.24%	0.766%
118	10.680	10.671	10.695	VV	35	409	0.14%	0.088%
119	10.703	10.695	10.712	VV	31	232	0.08%	0.050%
120	10.777	10.712	10.797	VV	49	1511	0.53%	0.327%
121	10.809	10.797	10.867	VV	41	1104	0.39%	0.239%
122	10.875	10.867	10.909	VV	26	413	0.14%	0.089%
123	10.946	10.909	10.973	VV	34	927	0.33%	0.200%
124	10.981	10.973	11.034	VV	31	867	0.30%	0.187%
125	11.047	11.034	11.062	VV	27	268	0.09%	0.058%
126	11.072	11.062	11.089	PV	18	153	0.05%	0.033%
127	11.106	11.089	11.114	VV	25	246	0.09%	0.053%
128	11.122	11.114	11.131	VV	26	175	0.06%	0.038%
129	11.143	11.131	11.173	VV	26	391	0.14%	0.085%
130	11.190	11.173	11.207	VV	24	274	0.10%	0.059%
131	11.237	11.207	11.287	VV	19	547	0.19%	0.118%
132	11.303	11.287	11.317	VV	19	201	0.07%	0.044%
133	11.325	11.317	11.336	VV	20	150	0.05%	0.032%
134	11.354	11.336	11.370	VV	29	280	0.10%	0.061%
135	11.449	11.370	11.518	VV	46	2725	0.96%	0.589%
136	11.528	11.518	11.696	VV	28	1784	0.63%	0.386%
137	11.716	11.696	11.731	VV	17	251	0.09%	0.054%
138	11.774	11.731	11.821	VV	27	951	0.33%	0.206%
139	11.843	11.821	11.857	VV	39	532	0.19%	0.115%
140	11.881	11.857	11.988	VV	41	1422	0.50%	0.307%
141	12.042	11.988	12.068	VV	35	746	0.26%	0.161%

rteres

142	12.121	12.068	12.166	VV	23	729	0.26%	0.158%
143	12.171	12.166	12.216	VV	23	192	0.07%	0.042%
144	12.327	12.216	12.382	PV	26	1537	0.54%	0.332%
145	12.405	12.382	12.419	VV	16	215	0.08%	0.047%
146	12.437	12.419	12.459	VV	26	320	0.11%	0.069%
147	12.479	12.459	12.500	VV	29	374	0.13%	0.081%
148	12.514	12.500	12.536	VV	18	188	0.07%	0.041%
149	12.612	12.536	12.662	VV	34	1616	0.57%	0.349%
150	12.761	12.662	12.843	VV	60	3941	1.38%	0.852%
151	12.886	12.843	12.986	VV	60	2782	0.98%	0.601%
152	13.016	12.986	13.030	VV	35	664	0.23%	0.143%
153	13.077	13.030	13.107	VV	37	1235	0.43%	0.267%
154	13.119	13.107	13.131	VV	32	360	0.13%	0.078%
155	13.175	13.131	13.219	VV	89	2468	0.87%	0.534%
156	13.232	13.219	13.305	VV	43	1157	0.41%	0.250%
157	13.322	13.305	13.354	VV	22	405	0.14%	0.088%
158	13.374	13.354	13.433	VV	14	510	0.18%	0.110%
159	13.511	13.433	13.524	VV	30	896	0.31%	0.194%
160	13.544	13.524	13.579	VV	35	693	0.24%	0.150%
161	13.603	13.579	13.622	VV	17	365	0.13%	0.079%
162	13.633	13.622	13.685	VV	19	386	0.14%	0.083%
163	13.699	13.685	13.715	VV	13	140	0.05%	0.030%
164	13.792	13.715	13.805	PV	27	895	0.31%	0.193%
165	13.878	13.805	13.898	VV	53	1864	0.65%	0.403%
166	13.908	13.898	13.939	VV	51	1129	0.40%	0.244%
167	13.949	13.939	13.990	VV	55	1370	0.48%	0.296%
168	14.125	13.990	14.271	VV	149	14905	5.23%	3.222%
169	14.284	14.271	14.301	VV	28	382	0.13%	0.082%
170	14.332	14.301	14.385	VV	33	1243	0.44%	0.269%
171	14.428	14.385	14.472	VV	46	1463	0.51%	0.316%
172	14.499	14.472	14.538	VV	27	540	0.19%	0.117%
173	14.567	14.538	14.592	PV	19	400	0.14%	0.087%
174	14.624	14.592	14.639	VV	21	412	0.14%	0.089%
175	14.662	14.639	14.709	VV	23	568	0.20%	0.123%
176	14.737	14.709	14.758	VV	18	362	0.13%	0.078%
177	14.767	14.758	14.793	VV	25	256	0.09%	0.055%
178	14.887	14.793	14.920	VV	33	1335	0.47%	0.289%
179	14.937	14.920	14.961	PV	21	343	0.12%	0.074%
180	14.980	14.961	14.995	VV	34	467	0.16%	0.101%
181	15.065	14.995	15.149	VV	132	6289	2.21%	1.359%
182	15.166	15.149	15.224	VV	34	1039	0.36%	0.225%
183	15.264	15.224	15.286	VV	28	784	0.28%	0.169%
184	15.333	15.286	15.351	VV	26	843	0.30%	0.182%
185	15.397	15.351	15.410	VV	58	1314	0.46%	0.284%
186	15.426	15.410	15.475	VV	59	1887	0.66%	0.408%
187	15.499	15.475	15.578	VV	59	2107	0.74%	0.455%
188	15.593	15.578	15.621	VV	21	395	0.14%	0.085%
189	15.643	15.621	15.656	VV	41	437	0.15%	0.095%
190	15.670	15.656	15.753	VV	36	1022	0.36%	0.221%
191	15.779	15.753	15.820	VV	33	922	0.32%	0.199%
192	15.854	15.820	15.888	VV	32	924	0.32%	0.200%
193	15.920	15.888	16.002	VV	51	2092	0.73%	0.452%
194	16.017	16.002	16.055	VV	26	679	0.24%	0.147%

rteres

195	16.094	16.055	16.109	VV	26	611	0.21%	0.132%
196	16.210	16.109	16.344	VV	96	7243	2.54%	1.566%
197	16.353	16.344	16.371	VV	45	513	0.18%	0.111%
198	16.390	16.371	16.494	VV	43	2145	0.75%	0.464%
199	16.510	16.494	16.551	VV	22	668	0.23%	0.144%
200	16.614	16.551	16.693	VV	39	2086	0.73%	0.451%
201	16.719	16.693	16.764	VV	27	578	0.20%	0.125%
202	16.780	16.764	16.798	PV	20	232	0.08%	0.050%
203	16.856	16.798	16.942	PV	33	1876	0.66%	0.405%
204	16.955	16.942	16.982	VV	12	214	0.08%	0.046%
			Sum of corrected areas:			462606		

FB053025.M Thu Jun 05 02:05:35 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			

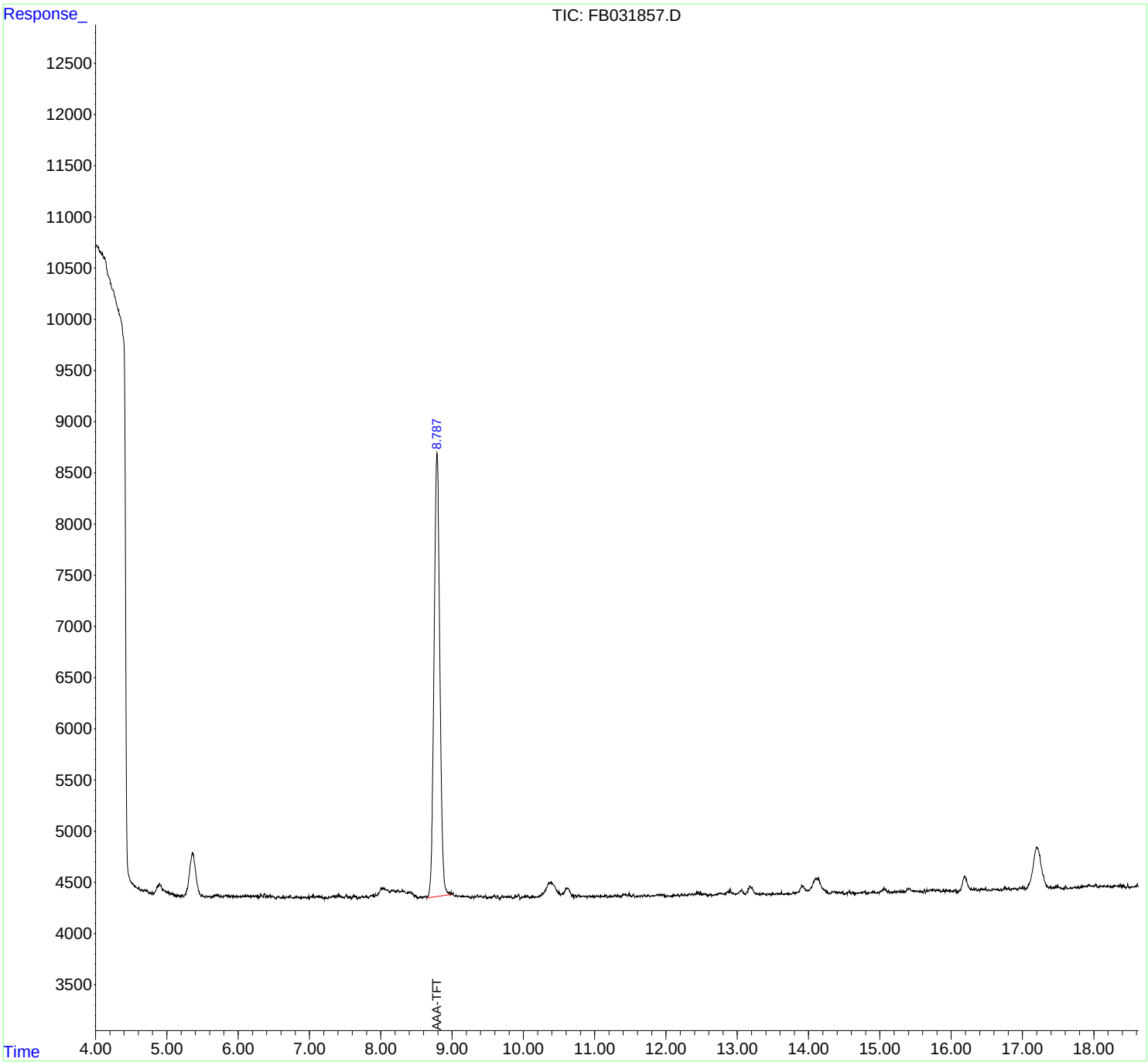
(f)=RT Delta > 1/2 Window (m)=manual int.

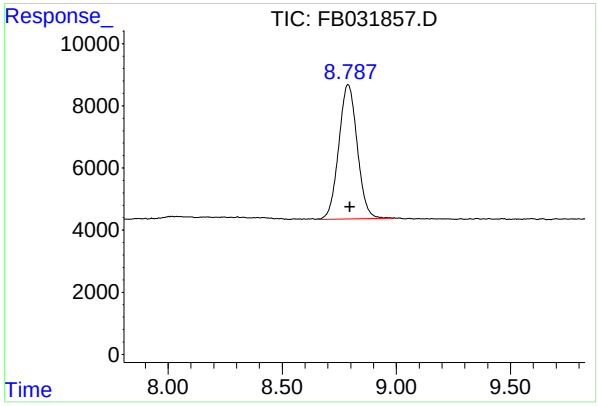
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031857.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 9:55
Operator : YP/AJ
Sample : VBF0603S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

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

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A
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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\FB060425\
Data File : FB031879.D
Signal(s) : FID2B.CH
Acq On : 4 Jun 2025 10:47
Operator : YP/AJ
Sample : VBF0604S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0604S2

Integration File: Calibration.e
Quant Time: Jun 05 01:29:20 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	8.792	297387	24.371 ng/ml
Target Compounds			

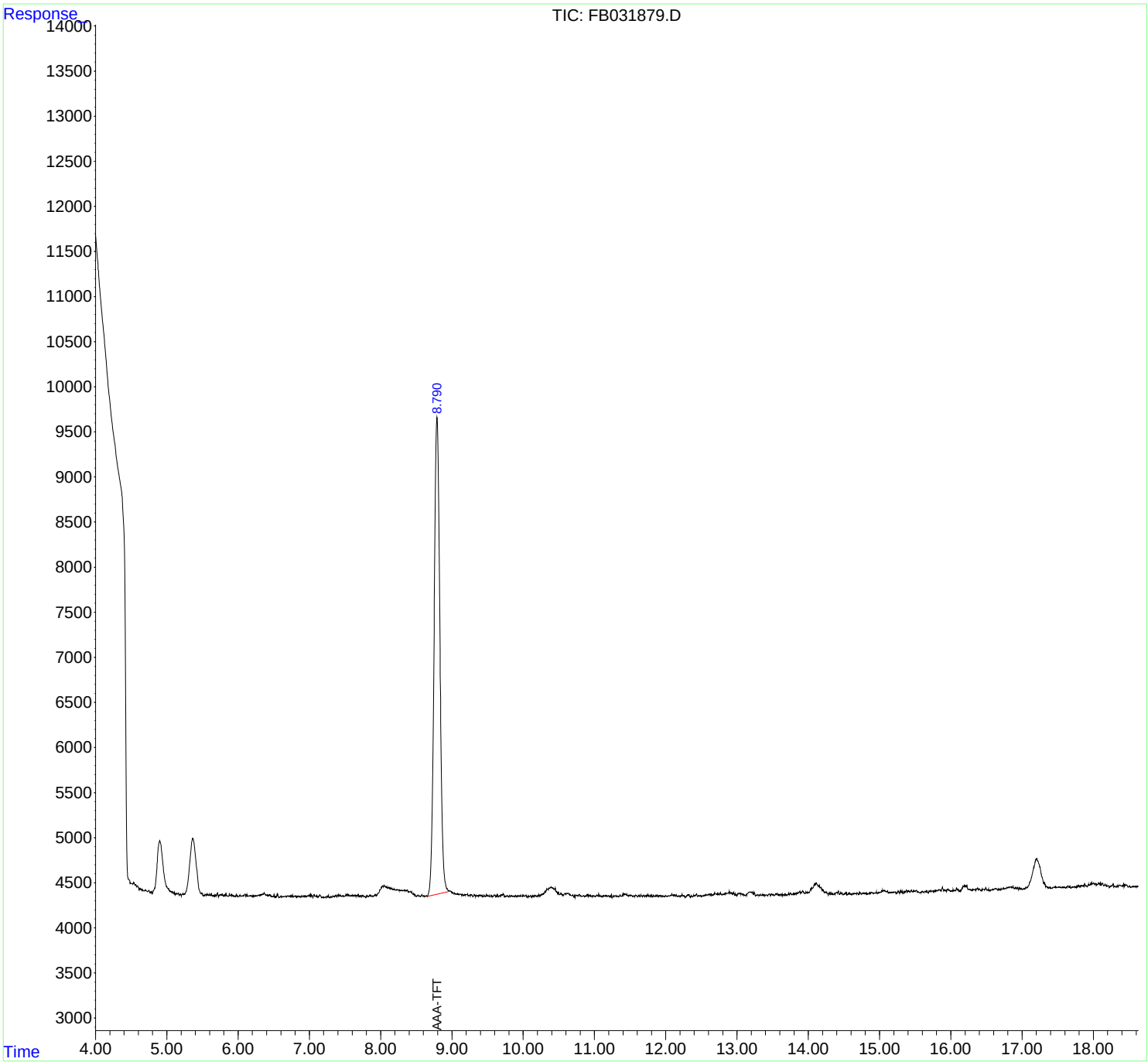
(f)=RT Delta > 1/2 Window (m)=manual int.

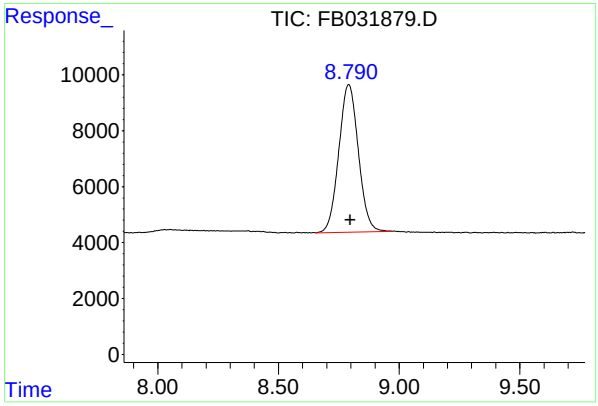
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060425\
Data File : FB031879.D
Signal(s) : FID2B.CH
Acq On : 4 Jun 2025 10:47
Operator : YP/AJ
Sample : VBF0604S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0604S2

Integration File: Calibration.e
Quant Time: Jun 05 01:29:20 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.:	8.792 min
Delta R.T.:	-0.006 mir
Response:	297387
Conc:	24.37 ng/m

Instrument :
FID_B
ClientSampleId :
VBF0604S2

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A B C D E F G H I

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060425\
Data File : FB031879.D
Signal(s) : FID2B.CH
Acq On : 4 Jun 2025 10:47
Sample : VBF0604S2 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	8.792	8.655	8.974	PV	5284	297387	100.00%	100.000%
			Sum of corrected areas:			297387		

FB053025.M Thu Jun 05 01:58:11 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

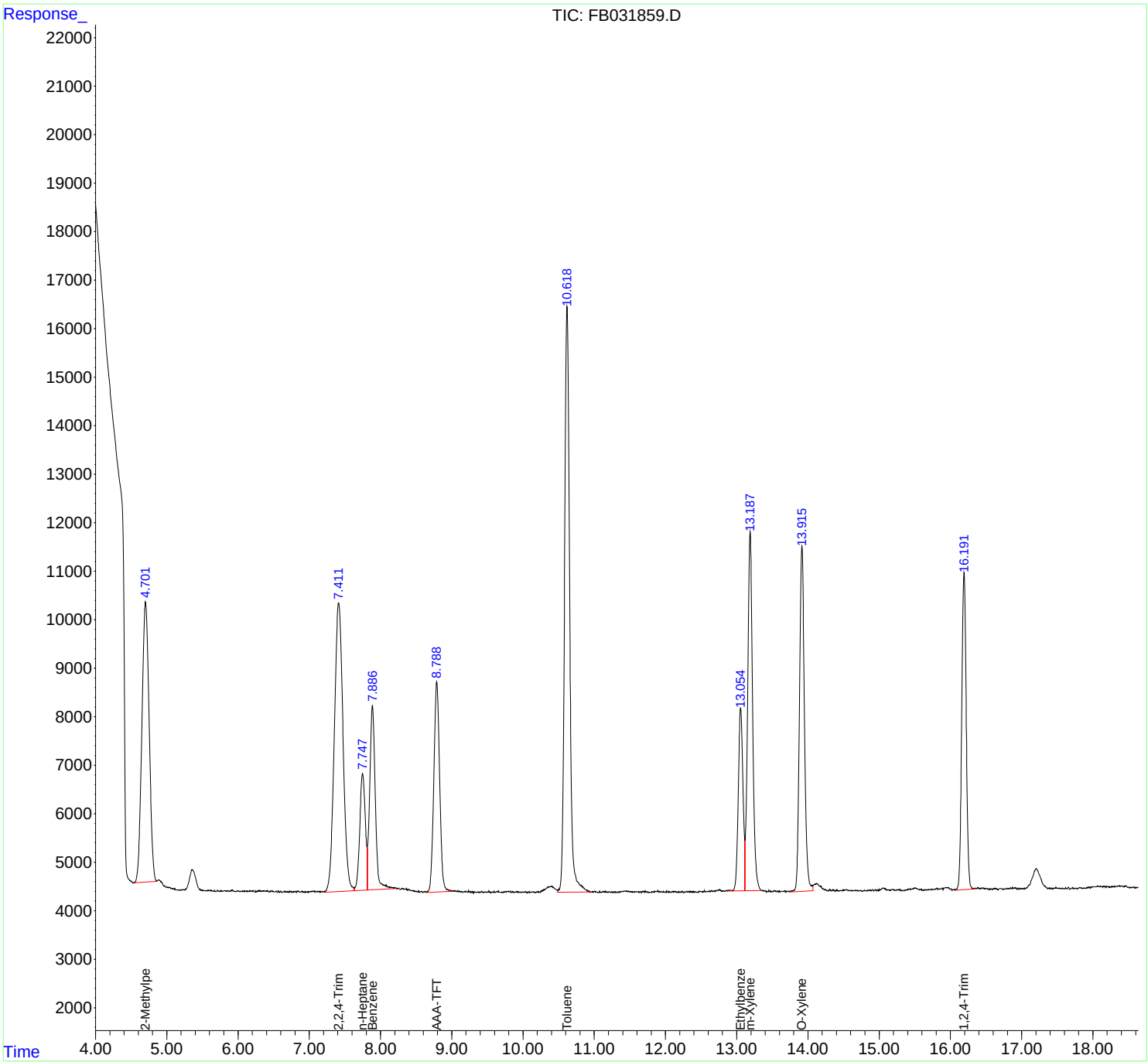
(f)=RT Delta > 1/2 Window (m)=manual int.

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\FB060425\
Data File : FB031880.D
Signal(s) : FID2B.CH
Acq On : 4 Jun 2025 11:14
Operator : YP/AJ
Sample : BSF0604S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0604S1

Integration File: Calibration.e
Quant Time: Jun 05 01:29:28 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	281979	23.108 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.706	428077	25.138 ng/ml
2) t	2,2,4-Trimethylpentane	7.417	532449	25.881 ng/ml
3) t	n-Heptane	7.751	136170	7.962 ng/ml
4) t	Benzene	7.889	221213	11.128 ng/ml
6) t	Toluene	10.620	644940	34.297 ng/ml
7) t	Ethylbenzene	13.056	189926	12.458 ng/ml
8) t	m-Xylene	13.189	395096	23.133 ng/ml
9) t	O-Xylene	13.916	376563	23.751 ng/ml
10) t	1,2,4-Trimethylbenzene	16.192	314871	27.290 ng/ml

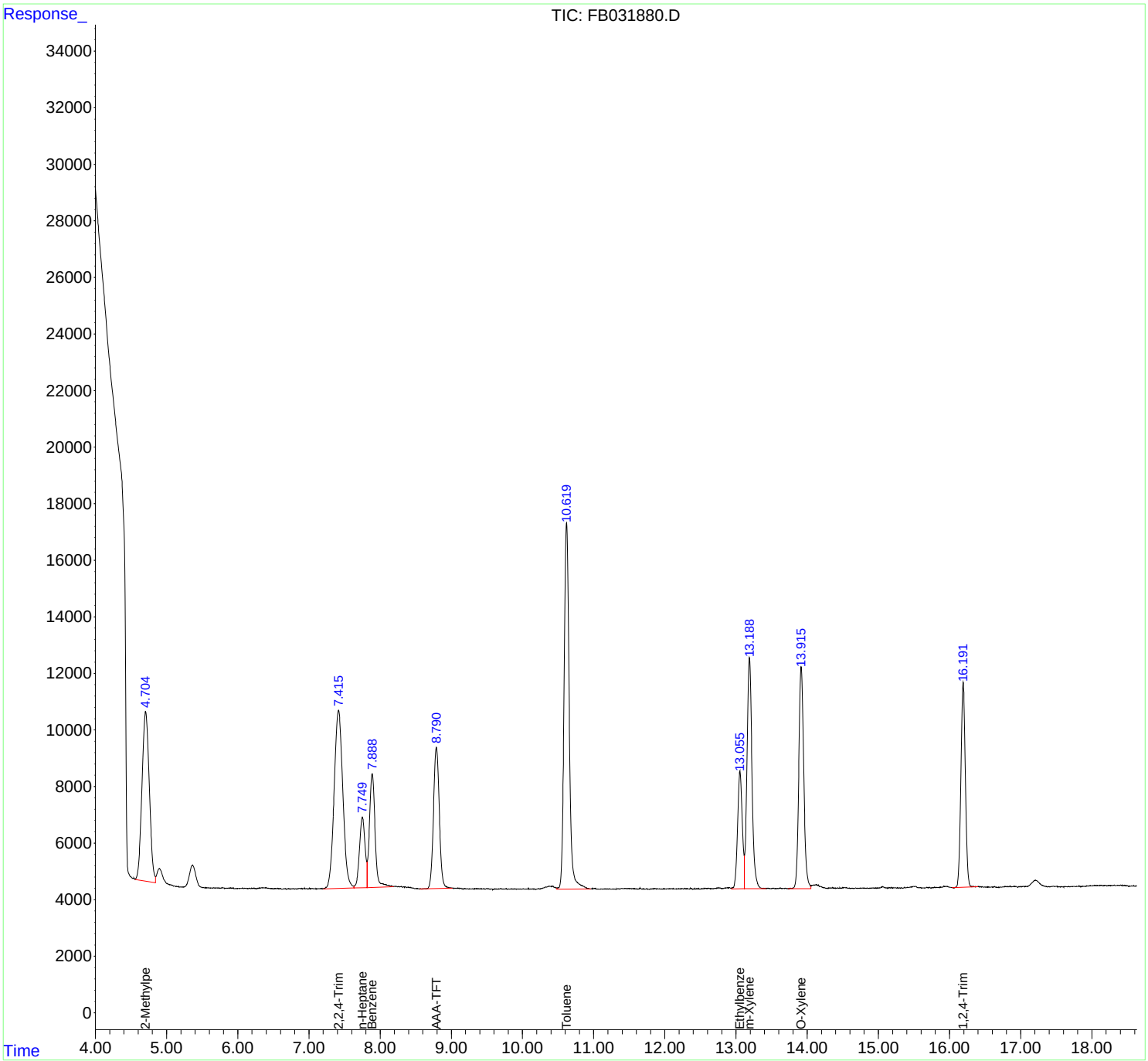
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060425\
Data File : FB031880.D
Signal(s) : FID2B.CH
Acq On : 4 Jun 2025 11:14
Operator : YP/AJ
Sample : BSF0604S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0604S1

Integration File: Calibration.e
Quant Time: Jun 05 01:29:28 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\FB060425\
Data File : FB031880.D
Signal(s) : FID2B.CH
Acq On : 4 Jun 2025 11:14
Sample : BSF0604S1
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	4.706	4.559	4.845	PV	5997	428077	66.37%	12.157%
2	7.417	7.198	7.633	BV	6307	532449	82.56%	15.121%
3	7.751	7.633	7.816	VV	2502	136170	21.11%	3.867%
4	7.889	7.816	8.189	VV	4024	221213	34.30%	6.282%
5	8.791	8.562	9.016	BV	4987	281979	43.72%	8.008%
6	10.620	10.482	10.961	VV	12953	644940	100.00%	18.315%
7	13.056	12.937	13.117	VV	4157	189926	29.45%	5.394%
8	13.189	13.117	13.422	VV	8170	395096	61.26%	11.220%
9	13.916	13.728	14.053	BV	7851	376563	58.39%	10.694%
10	16.192	16.032	16.401	BBA	7238	314871	48.82%	8.942%

Sum of corrected areas: 3521284

FB053025.M Thu Jun 05 01:59:19 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031865.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 14:24
Operator : YP/AJ
Sample : BSF0603S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0603S2

Integration File: Calibration.e
Quant Time: Jun 04 01:21:21 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	239597	19.635 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.700	375917	22.075 ng/ml
2) t	2,2,4-Trimethylpentane	7.412	472552	22.969 ng/ml
3) t	n-Heptane	7.748	118287	6.916 ng/ml
4) t	Benzene	7.885	183672	9.240 ng/ml
6) t	Toluene	10.617	560270	29.795 ng/ml
7) t	Ethylbenzene	13.054	163407	10.718 ng/ml
8) t	m-Xylene	13.187	338898	19.842 ng/ml
9) t	O-Xylene	13.914	324499	20.467 ng/ml
10) t	1,2,4-Trimethylbenzene	16.190	267116	23.151 ng/ml

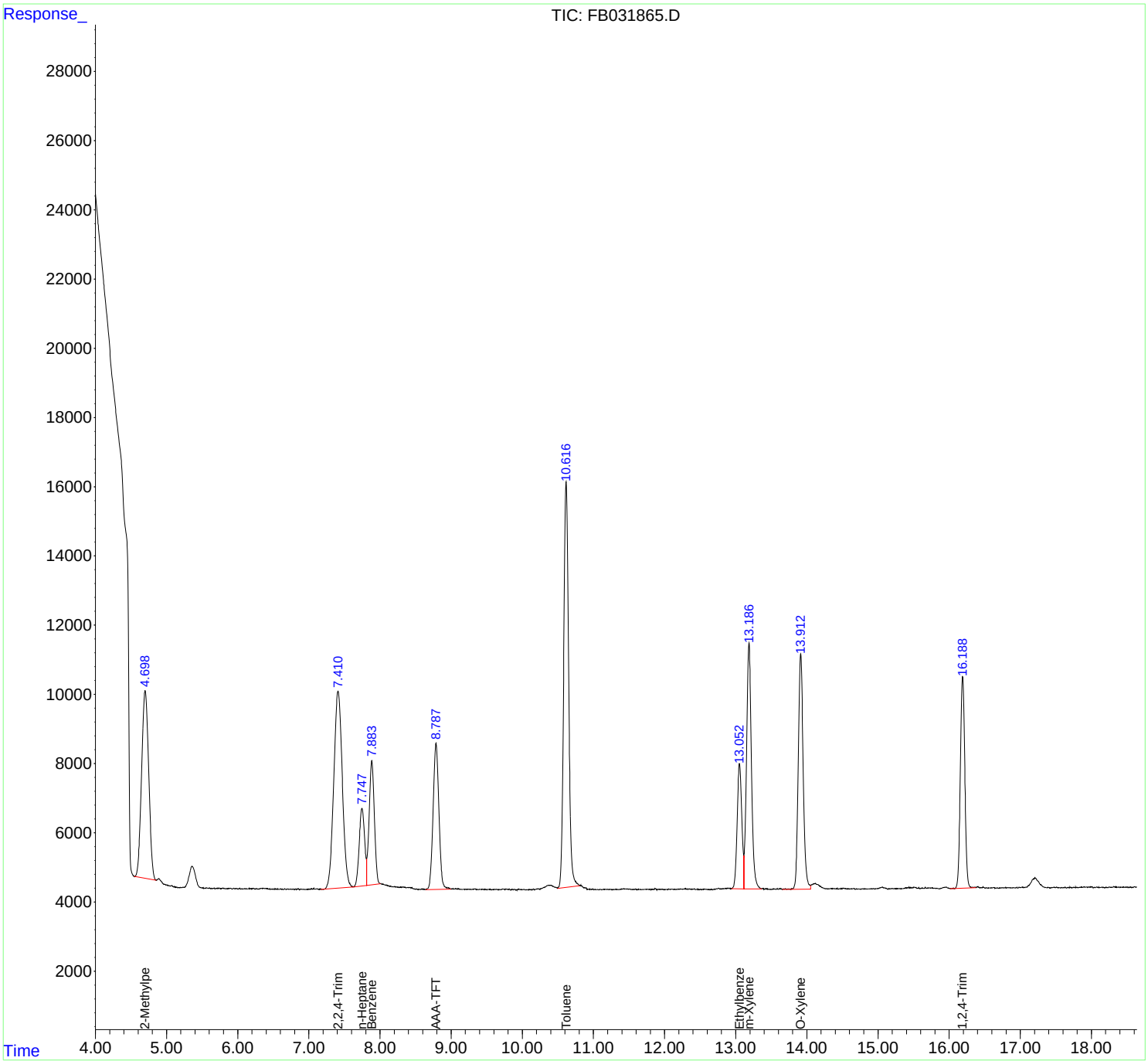
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031865.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 14:24
Operator : YP/AJ
Sample : BSF0603S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0603S2

Integration File: Calibration.e
Quant Time: Jun 04 01:21:21 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 : FB031865.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 14:24
Sample : BSF0603S2
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	4.700	4.543	4.854	BV	5426	375917	67.10%	12.349%
2	7.412	7.165	7.631	PV	5693	472552	84.34%	15.523%
3	7.748	7.631	7.812	PV	2243	118287	21.11%	3.886%
4	7.885	7.812	8.007	VV	3587	183672	32.78%	6.033%
5	8.788	8.638	8.999	PV	4229	239597	42.76%	7.871%
6	10.617	10.494	10.808	PV	11707	560270	100.00%	18.404%
7	13.054	12.943	13.115	BV	3621	163407	29.17%	5.368%
8	13.187	13.115	13.367	VV	7106	338898	60.49%	11.133%
9	13.914	13.655	14.054	PV	6806	324499	57.92%	10.660%
10	16.190	16.016	16.377	PV	6110	267116	47.68%	8.775%

Sum of corrected areas: 3044216

FB053025.M Wed Jun 04 02:09:18 2025

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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
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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Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
Q2126-09		FB031889.D	FB060425	2,2,4-Trimethylpentane	mohammad	6/6/2025 2:01:48 AM	Peak Integrated by Software incorrectly
Q2126-09		FB031889.D	FB060425	n-Heptane	mohammad	6/6/2025 2:01:48 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 # 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 # FB060425

Review By	yogesh	Review On	6/4/2025 10:57:57 AM		
Supervise By	mohammad	Supervise On	6/6/2025 2:01:48 AM		
SubDirectory	FB060425	HP Acquire Method		HP Processing Method	FB053025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24606,PP24607,PP24608,PP24609,PP24610
CCC	PP24618,PP24619,PP24620
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	FB031877.D	4 Jun 2025 9:36	YP/AJ	Ok
2	VBF0604S1	FB031878.D	4 Jun 2025 10:19	YP/AJ	Ok
3	VBF0604S2	FB031879.D	4 Jun 2025 10:47	YP/AJ	Ok
4	BSF0604S1	FB031880.D	4 Jun 2025 11:14	YP/AJ	Ok
5	Q2176-01	FB031881.D	4 Jun 2025 11:42	YP/AJ	Not Ok
6	Q2176-08	FB031882.D	4 Jun 2025 12:10	YP/AJ	Not Ok
7	Q2176-01	FB031883.D	4 Jun 2025 12:48	YP/AJ	Ok
8	Q2176-08	FB031884.D	4 Jun 2025 13:16	YP/AJ	Ok
9	BSF0604S2	FB031885.D	4 Jun 2025 13:44	YP/AJ	Ok
10	20 PPB GRO STD	FB031886.D	4 Jun 2025 14:11	YP/AJ	Ok
11	VBF0604W1	FB031887.D	4 Jun 2025 15:07	YP/AJ	Ok
12	BSF0604W1	FB031888.D	4 Jun 2025 15:35	YP/AJ	Ok
13	Q2126-09	FB031889.D	4 Jun 2025 16:02	YP/AJ	Ok,M
14	BSF0604W2	FB031890.D	4 Jun 2025 16:42	YP/AJ	Ok
15	20 PPB GRO STD	FB031891.D	4 Jun 2025 17:41	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 # 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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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	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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Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB060425

Review By	yogesh	Review On	6/4/2025 10:57:57 AM		
Supervise By	mohammad	Supervise On	6/6/2025 2:01:48 AM		
SubDirectory	FB060425	HP Acquire Method		HP Processing Method	FB053025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24606,PP24607,PP24608,PP24609,PP24610
CCC	PP24618,PP24619,PP24620
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		FB031877.D	4 Jun 2025 9:36		YP/AJ	Ok
2	VBF0604S1		FB031878.D	4 Jun 2025 10:19		YP/AJ	Ok
3	VBF0604S2		FB031879.D	4 Jun 2025 10:47		YP/AJ	Ok
4	BSF0604S1		FB031880.D	4 Jun 2025 11:14		YP/AJ	Ok
5	Q2176-01		FB031881.D	4 Jun 2025 11:42	Vial-B, Not Purged	YP/AJ	Not Ok
6	Q2176-08		FB031882.D	4 Jun 2025 12:10	Vial-B, Not Purged	YP/AJ	Not Ok
7	Q2176-01		FB031883.D	4 Jun 2025 12:48	Vial-C	YP/AJ	Ok
8	Q2176-08		FB031884.D	4 Jun 2025 13:16	Vial-C	YP/AJ	Ok
9	BSF0604S2		FB031885.D	4 Jun 2025 13:44		YP/AJ	Ok
10	20 PPB GRO STD		FB031886.D	4 Jun 2025 14:11		YP/AJ	Ok
11	VBF0604W1		FB031887.D	4 Jun 2025 15:07		YP/AJ	Ok
12	BSF0604W1		FB031888.D	4 Jun 2025 15:35		YP/AJ	Ok
13	Q2126-09		FB031889.D	4 Jun 2025 16:02	1 PPB WATER MDL	YP/AJ	Ok,M
14	BSF0604W2		FB031890.D	4 Jun 2025 16:42		YP/AJ	Ok
15	20 PPB GRO STD		FB031891.D	4 Jun 2025 17:41		YP/AJ	Ok

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q2176	**OrderDate:**	5/30/2025 4:04:00 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
Q2176-01	**TP-46**	**SOIL**			**05/28/25**			**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/04/25	
			Herbicide	8151A		06/03/25	06/05/25	
			PCB	8082A		06/03/25	06/04/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-02	**TP-56**	**SOIL**			**05/29/25**			**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/03/25	
			Herbicide	8151A		06/03/25	06/05/25	
			PCB	8082A		06/03/25	06/04/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-03	**TP-25**	**SOIL**			**05/29/25**			**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/03/25	
			Herbicide	8151A		06/03/25	06/05/25	
			PCB	8082A		06/03/25	06/04/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-04	**TP-26**	**SOIL**			**05/29/25**			**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/03/25	
			Herbicide	8151A		06/03/25	06/05/25	
			PCB	8082A		06/03/25	06/03/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-05	**TP-28**	**SOIL**			**05/29/25**			**05/30/25**
			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		06/03/25	06/05/25
			PCB	8082A		06/03/25	06/03/25
			Pesticide-TCL	8081B		06/03/25	06/03/25
Q2176-06	**TP-27**	**SOIL**			**05/29/25**		**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25
			Gasoline Range Organics	8015D			06/03/25
			Herbicide	8151A		06/03/25	06/05/25
			PCB	8082A		06/03/25	06/03/25
			Pesticide-TCL	8081B		06/03/25	06/03/25
Q2176-07	**TP-31**	**SOIL**			**05/29/25**		**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25
			Gasoline Range Organics	8015D			06/03/25
			Herbicide	8151A		06/03/25	06/05/25
			PCB	8082A		06/03/25	06/03/25
			Pesticide-TCL	8081B		06/03/25	06/03/25
Q2176-08	**TP-65**	**SOIL**			**05/30/25**		**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25
			Gasoline Range Organics	8015D			06/04/25
			Herbicide	8151A		06/03/25	06/05/25
			PCB	8082A		06/03/25	06/03/25
			Pesticide-TCL	8081B		06/03/25	06/03/25

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Hit Summary Sheet
SW-846

SDG No.: Q2176

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : TP-46									
Q2176-01	TP-46	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	280.000	AB	0	0	ug/Kg
Q2176-01	TP-46	SOIL	Benzophenone	*	340.000	J	0	0	ug/Kg
Q2176-01	TP-46	SOIL	n-Hexadecanoic acid	*	110.000	J	0	0	ug/Kg
Q2176-01	TP-46	SOIL	Octacosyl trifluoroacetate	*	140.000	J	0	0	ug/Kg
			Total Tics :		**870.00**				
			Total Concentration:		**870.00**				
Client ID : TP-56									
Q2176-02	TP-56	SOIL	Fluoranthene		96.400	J	34.7	200	ug/Kg
			Total Svoc :		**96.40**				
Q2176-02	TP-56	SOIL	1-Heneicosanol	*	120.000	J	0	0	ug/Kg
Q2176-02	TP-56	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	240.000	AB	0	0	ug/Kg
Q2176-02	TP-56	SOIL	Benzophenone	*	300.000	J	0	0	ug/Kg
Q2176-02	TP-56	SOIL	n-Hexadecanoic acid	*	120.000	J	0	0	ug/Kg
			Total Tics :		**780.00**				
			Total Concentration:		**876.40**				
Client ID : TP-25									
Q2176-03	TP-25	SOIL	1-Nonadecene	*	170.000	J	0	0	ug/Kg
Q2176-03	TP-25	SOIL	1-Octadecene	*	150.000	J	0	0	ug/Kg
Q2176-03	TP-25	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	230.000	AB	0	0	ug/Kg
Q2176-03	TP-25	SOIL	Benzophenone	*	380.000	J	0	0	ug/Kg
Q2176-03	TP-25	SOIL	Cyclotetradecane	*	190.000	J	0	0	ug/Kg
Q2176-03	TP-25	SOIL	Heneicosane	*	92.800	J	0	0	ug/Kg
Q2176-03	TP-25	SOIL	n-Hexadecanoic acid	*	570.000	J	0	0	ug/Kg
Q2176-03	TP-25	SOIL	Octadecanoic acid	*	170.000	J	0	0	ug/Kg
Q2176-03	TP-25	SOIL	Squalene	*	170.000	J	0	0	ug/Kg
			Total Tics :		**2,122.80**				
			Total Concentration:		**2,122.80**				
Client ID : TP-26									
Q2176-04	TP-26	SOIL	Phenanthrene		800.000		49	400	ug/Kg
Q2176-04	TP-26	SOIL	Anthracene		200.000	J	78.1	400	ug/Kg
Q2176-04	TP-26	SOIL	Fluoranthene		1,500.000		70.4	400	ug/Kg
Q2176-04	TP-26	SOIL	Pyrene		1,300.000		84.5	400	ug/Kg
Q2176-04	TP-26	SOIL	Benzo(a)anthracene		570.000		54	400	ug/Kg
Q2176-04	TP-26	SOIL	Chrysene		630.000		46.7	400	ug/Kg
Q2176-04	TP-26	SOIL	Benzo(b)fluoranthene		670.000		44.6	400	ug/Kg
Q2176-04	TP-26	SOIL	Benzo(k)fluoranthene		280.000	J	52.6	400	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2176

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2176-04	TP-26	SOIL	Benzo(a)pyrene		480.000		69.2	400	ug/Kg
Q2176-04	TP-26	SOIL	Indeno(1,2,3-cd)pyrene		260.000	J	68.3	400	ug/Kg
Q2176-04	TP-26	SOIL	Benzo(g,h,i)perylene		320.000	J	60.3	400	ug/Kg
			Total Svoc :		**7,010.00**				
Q2176-04	TP-26	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	240.000	AB	0	0	ug/Kg
Q2176-04	TP-26	SOIL	4H-Cyclopenta[def]phenanthrene	*	280.000	J	0	0	ug/Kg
Q2176-04	TP-26	SOIL	Benzophenone	*	470.000	J	0	0	ug/Kg
Q2176-04	TP-26	SOIL	n-Hexadecanoic acid	*	390.000	J	0	0	ug/Kg
Q2176-04	TP-26	SOIL	Propylene Glycol	*	5,100.000	J	0	0	ug/Kg
			Total Tics :		**6,480.00**				
			Total Concentration:		**13,490.00**				
Client ID :	**TP-28**								
Q2176-05	TP-28	SOIL	Fluoranthene		120.000	J	33.1	190	ug/Kg
Q2176-05	TP-28	SOIL	Pyrene		87.400	J	39.7	190	ug/Kg
			Total Svoc :		**207.40**				
Q2176-05	TP-28	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	220.000	AB	0	0	ug/Kg
Q2176-05	TP-28	SOIL	3-Eicosene, (E)-	*	190.000	J	0	0	ug/Kg
Q2176-05	TP-28	SOIL	Benzophenone	*	450.000	J	0	0	ug/Kg
Q2176-05	TP-28	SOIL	n-Hexadecanoic acid	*	370.000	J	0	0	ug/Kg
Q2176-05	TP-28	SOIL	Octadecanoic acid	*	96.000	J	0	0	ug/Kg
			Total Tics :		**1,326.00**				
			Total Concentration:		**1,533.40**				
Client ID :	**TP-27**								
Q2176-06	TP-27	SOIL	Benzo(b)fluoranthene		110.000	J	22.8	200	ug/Kg
Q2176-06	TP-27	SOIL	Benzo(a)pyrene		98.600	J	35.4	200	ug/Kg
Q2176-06	TP-27	SOIL	Benzo(g,h,i)perylene		110.000	J	30.9	200	ug/Kg
			Total Svoc :		**318.60**				
Q2176-06	TP-27	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	300.000	AB	0	0	ug/Kg
Q2176-06	TP-27	SOIL	Benzophenone	*	530.000	J	0	0	ug/Kg
Q2176-06	TP-27	SOIL	n-Hexadecanoic acid	*	270.000	J	0	0	ug/Kg
Q2176-06	TP-27	SOIL	Octadecanoic acid	*	160.000	J	0	0	ug/Kg
Q2176-06	TP-27	SOIL	Oxalic acid, isobutyl hexadecyl es	*	120.000	J	0	0	ug/Kg
Q2176-06	TP-27	SOIL	Tetratriacontyl heptafluorobutyrat	*	82.400	J	0	0	ug/Kg
Q2176-06	TP-27	SOIL	unknown20.201	*	99.200	J	0	0	ug/Kg
			Total Tics :		**1,561.60**				
			Total Concentration:		**1,880.20**				
Client ID :	**TP-31**								
Q2176-07	TP-31	SOIL	Phenanthrene		99.500	J	24	200	ug/Kg
Q2176-07	TP-31	SOIL	Fluoranthene		97.400	J	34.5	200	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2176

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
			Total Svoc :		**196.90**				
Q2176-07	TP-31	SOIL	Heptadecyl heptafluorobutyrate	*	210.000	J	0	0	ug/Kg
Q2176-07	TP-31	SOIL	n-Hexadecanoic acid	*	200.000	J	0	0	ug/Kg
Q2176-07	TP-31	SOIL	Trifluoroacetic acid, pentadecyl e	*	110.000	J	0	0	ug/Kg
Q2176-07	TP-31	SOIL	Trifluoroacetic acid,n-tridecyl es	*	100.000	J	0	0	ug/Kg
Q2176-07	TP-31	SOIL	1-Octadecene	*	95.500	J	0	0	ug/Kg
Q2176-07	TP-31	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	300.000	AB	0	0	ug/Kg
Q2176-07	TP-31	SOIL	Benzene, 1,1-(1,3-butadiyne-1,4-d	*	120.000	J	0	0	ug/Kg
Q2176-07	TP-31	SOIL	Benzophenone	*	490.000	J	0	0	ug/Kg
			Total Tics :		**1,625.50**				
			Total Concentration:		**1,822.40**				
Client ID :	**TP-65**								
Q2176-08	TP-65	SOIL	1-Tetracosene	*	120.000	J	0	0	ug/Kg
Q2176-08	TP-65	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	270.000	AB	0	0	ug/Kg
Q2176-08	TP-65	SOIL	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	*	76.600	J	0	0	ug/Kg
Q2176-08	TP-65	SOIL	Benzophenone	*	380.000	J	0	0	ug/Kg
Q2176-08	TP-65	SOIL	n-Hexadecanoic acid	*	270.000	J	0	0	ug/Kg
			Total Tics :		**1,116.60**				
			Total Concentration:		**1,116.60**				

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:	05/28/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-46	SDG No.:	Q2176
Lab Sample ID:	Q2176-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.7
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
BF142661.D	1	06/04/25 09:10	06/06/25 22:31	PB168234

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	39.2	U	39.2	200	ug/Kg
88-75-5	2-Nitrophenol	69.5	U	69.5	200	ug/Kg
105-67-9	2,4-Dimethylphenol	77.4	U	77.4	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	32.4	U	32.4	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:	05/30/25
Client Sample ID:	TP-46	SDG No.:	Q2176
Lab Sample ID:	Q2176-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.7
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
BF142661.D	1	06/04/25 09:10	06/06/25 22:31	PB168234

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	76.7	U	76.7	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	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	57.2	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	UQ	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:	05/28/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-46	SDG No.:	Q2176
Lab Sample ID:	Q2176-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.7
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
BF142661.D	1	06/04/25 09:10	06/06/25 22:31	PB168234

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	54.0	U	54.0	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	84.2		18 - 112	56%	SPK: 150
13127-88-3	Phenol-d6	85.5		15 - 107	57%	SPK: 150
4165-60-0	Nitrobenzene-d5	53.0		18 - 107	53%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.7		20 - 109	56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	79.6		10 - 116	53%	SPK: 150
1718-51-0	Terphenyl-d14	45.5		10 - 105	46%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	124000	6.893			
1146-65-2	Naphthalene-d8	473000	8.175			
15067-26-2	Acenaphthene-d10	251000	9.934			
1517-22-2	Phenanthrene-d10	379000	11.422			
1719-03-5	Chrysene-d12	233000	14.063			
1520-96-3	Perylene-d12	269000	15.557			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	280	AB		5.11	ug/Kg
000119-61-9	Benzophenone	340	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	110	J		11.9	ug/Kg
1000351-74-9	Octacosyl trifluoroacetate	140	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:	05/30/25
Client Sample ID:	TP-46	SDG No.:	Q2176
Lab Sample ID:	Q2176-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.7
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
BF142661.D	1	06/04/25 09:10	06/06/25 22:31	PB168234

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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-56	SDG No.:	Q2176
Lab Sample ID:	Q2176-02	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
BF142757.D	1	06/04/25 09:10	06/12/25 14:58	PB168234

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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-56	SDG No.:	Q2176
Lab Sample ID:	Q2176-02	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
BF142757.D	1	06/04/25 09:10	06/12/25 14:58	PB168234

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	96.4	J	34.7	200	ug/Kg
129-00-0	Pyrene	41.7	U	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	UQ	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	22.0	U	22.0	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-56	SDG No.:	Q2176
Lab Sample ID:	Q2176-02	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
BF142757.D	1	06/04/25 09:10	06/12/25 14:58	PB168234

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	79.8		18 - 112	53%	SPK: 150
13127-88-3	Phenol-d6	79.4		15 - 107	53%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.2		18 - 107	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.7		20 - 109	57%	SPK: 100
118-79-6	2,4,6-Tribromophenol	69.5		10 - 116	46%	SPK: 150
1718-51-0	Terphenyl-d14	37.5		10 - 105	38%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	80800	6.892			
1146-65-2	Naphthalene-d8	295000	8.175			
15067-26-2	Acenaphthene-d10	141000	9.927			
1517-22-2	Phenanthrene-d10	199000	11.416			
1719-03-5	Chrysene-d12	163000	14.063			
1520-96-3	Perylene-d12	189000	15.557			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	240	AB		5.10	ug/Kg
000119-61-9	Benzophenone	300	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	120	J		11.9	ug/Kg
015594-90-8	1-Heneicosanol	120	J		13.9	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-56	SDG No.:	Q2176
Lab Sample ID:	Q2176-02	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
BF142757.D	1	06/04/25 09:10	06/12/25 14:58	PB168234

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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25	SDG No.:	Q2176
Lab Sample ID:	Q2176-03	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
BP024908.D	1	06/04/25 09:10	06/11/25 12:18	PB168234

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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25	SDG No.:	Q2176
Lab Sample ID:	Q2176-03	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
BP024908.D	1	06/04/25 09:10	06/11/25 12:18	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.7	U	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	24.3	U	24.3	200	ug/Kg
120-12-7	Anthracene	38.8	U	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	34.9	U	34.9	200	ug/Kg
129-00-0	Pyrene	41.9	U	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	UQ	42.8	380	ug/Kg
56-55-3	Benzo(a)anthracene	26.8	U	26.8	200	ug/Kg
218-01-9	Chrysene	23.2	U	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	22.1	U	22.1	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25	SDG No.:	Q2176
Lab Sample ID:	Q2176-03	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
BP024908.D	1	06/04/25 09:10	06/11/25 12:18	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	26.1	U	26.1	200	ug/Kg
50-32-8	Benzo(a)pyrene	34.4	U	34.4	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.9	U	33.9	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.9	U	31.9	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.9	U	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	93.4		18 - 112	62%	SPK: 150
13127-88-3	Phenol-d6	90.1		15 - 107	60%	SPK: 150
4165-60-0	Nitrobenzene-d5	54.7		18 - 107	55%	SPK: 100
321-60-8	2-Fluorobiphenyl	54.0		20 - 109	54%	SPK: 100
118-79-6	2,4,6-Tribromophenol	97.0		10 - 116	65%	SPK: 150
1718-51-0	Terphenyl-d14	48.5		10 - 105	49%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	206000	7.613			
1146-65-2	Naphthalene-d8	781000	10.384			
15067-26-2	Acenaphthene-d10	477000	14.254			
1517-22-2	Phenanthrene-d10	972000	17.066			
1719-03-5	Chrysene-d12	1290000	21.501			
1520-96-3	Perylene-d12	1720000	24.771			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	230	AB		4.77	ug/Kg
000119-61-9	Benzophenone	380	J		15.6	ug/Kg
000295-17-0	Cyclotetradecane	190	J		17.5	ug/Kg
000057-10-3	n-Hexadecanoic acid	570	J		18.0	ug/Kg
000629-94-7	Heneicosane	92.8	J		18.5	ug/Kg
000112-88-9	1-Octadecene	150	J		18.9	ug/Kg
000057-11-4	Octadecanoic acid	170	J		19.3	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25	SDG No.:	Q2176
Lab Sample ID:	Q2176-03	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
BP024908.D	1	06/04/25 09:10	06/11/25 12:18	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
018435-45-5	1-Nonadecene	170	J		21.2	ug/Kg
000111-02-4	Squalene	170	J		23.2	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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-26	SDG No.:	Q2176
Lab Sample ID:	Q2176-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.2
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
BP024901.D	2	06/04/25 09:10	06/10/25 19:51	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	370	U	370	770	ug/Kg
108-95-2	Phenol	51.9	U	51.9	400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	57.0	U	57.0	400	ug/Kg
95-57-8	2-Chlorophenol	57.3	U	57.3	400	ug/Kg
95-48-7	2-Methylphenol	70.2	U	70.2	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	88.0	U	88.0	400	ug/Kg
98-86-2	Acetophenone	69.2	U	69.2	400	ug/Kg
65794-96-9	3+4-Methylphenols	96.4	U	96.4	770	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	110	U	110	190	ug/Kg
67-72-1	Hexachloroethane	41.3	U	41.3	400	ug/Kg
98-95-3	Nitrobenzene	42.9	U	42.9	400	ug/Kg
78-59-1	Isophorone	77.0	U	77.0	400	ug/Kg
88-75-5	2-Nitrophenol	140	U	140	400	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	150	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	72.3	U	72.3	400	ug/Kg
120-83-2	2,4-Dichlorophenol	66.4	U	66.4	400	ug/Kg
91-20-3	Naphthalene	53.3	U	53.3	400	ug/Kg
106-47-8	4-Chloroaniline	83.1	U	83.1	400	ug/Kg
87-68-3	Hexachlorobutadiene	59.4	U	59.4	400	ug/Kg
105-60-2	Caprolactam	120	U	120	770	ug/Kg
59-50-7	4-Chloro-3-methylphenol	67.3	U	67.3	400	ug/Kg
91-57-6	2-Methylnaphthalene	60.1	U	60.1	400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	270	770	ug/Kg
88-06-2	2,4,6-Trichlorophenol	46.5	U	46.5	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	68.3	U	68.3	400	ug/Kg
92-52-4	1,1-Biphenyl	51.2	U	51.2	400	ug/Kg
91-58-7	2-Chloronaphthalene	52.8	U	52.8	400	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	400	ug/Kg
131-11-3	Dimethylphthalate	63.6	U	63.6	400	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-26	SDG No.:	Q2176
Lab Sample ID:	Q2176-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.2
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
BP024901.D	2	06/04/25 09:10	06/10/25 19:51	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	67.8	U	67.8	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	78.8	U	78.8	400	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	400	ug/Kg
83-32-9	Acenaphthene	50.0	U	50.0	400	ug/Kg
51-28-5	2,4-Dinitrophenol	540	U	540	770	ug/Kg
100-02-7	4-Nitrophenol	250	U	250	770	ug/Kg
132-64-9	Dibenzofuran	53.3	U	53.3	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	400	ug/Kg
84-66-2	Diethylphthalate	66.4	U	66.4	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	62.7	U	62.7	400	ug/Kg
86-73-7	Fluorene	59.4	U	59.4	400	ug/Kg
100-01-6	4-Nitroaniline	150	U	150	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	240	U	240	770	ug/Kg
86-30-6	n-Nitrosodiphenylamine	77.2	U	77.2	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	65.2	U	65.2	400	ug/Kg
118-74-1	Hexachlorobenzene	59.4	U	59.4	400	ug/Kg
1912-24-9	Atrazine	79.8	U	79.8	400	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	770	ug/Kg
85-01-8	Phenanthrene	800		49.0	400	ug/Kg
120-12-7	Anthracene	200	J	78.1	400	ug/Kg
86-74-8	Carbazole	73.2	U	73.2	400	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	400	ug/Kg
206-44-0	Fluoranthene	1500		70.4	400	ug/Kg
129-00-0	Pyrene	1300		84.5	400	ug/Kg
85-68-7	Butylbenzylphthalate	170	U	170	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	86.1	UQ	86.1	770	ug/Kg
56-55-3	Benzo(a)anthracene	570		54.0	400	ug/Kg
218-01-9	Chrysene	630		46.7	400	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	400	ug/Kg
117-84-0	Di-n-octyl phthalate	200	U	200	770	ug/Kg
205-99-2	Benzo(b)fluoranthene	670		44.6	400	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-26	SDG No.:	Q2176
Lab Sample ID:	Q2176-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.2
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
BP024901.D	2	06/04/25 09:10	06/10/25 19:51	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	280	J	52.6	400	ug/Kg
50-32-8	Benzo(a)pyrene	480		69.2	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	260	J	68.3	400	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	64.3	U	64.3	400	ug/Kg
191-24-2	Benzo(g,h,i)perylene	320	J	60.3	400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	60.1	U	60.1	400	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	64.3	U	64.3	400	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	99.4		18 - 112	66%	SPK: 150
13127-88-3	Phenol-d6	97.9		15 - 107	65%	SPK: 150
4165-60-0	Nitrobenzene-d5	58.3		18 - 107	58%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.1		20 - 109	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	97.0		10 - 116	65%	SPK: 150
1718-51-0	Terphenyl-d14	66.0		10 - 105	66%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	331000	7.608			
1146-65-2	Naphthalene-d8	1350000	10.378			
15067-26-2	Acenaphthene-d10	852000	14.254			
1517-22-2	Phenanthrene-d10	1570000	17.06			
1719-03-5	Chrysene-d12	1530000	21.501			
1520-96-3	Perylene-d12	1800000	24.766			
TENTATIVE IDENTIFIED COMPOUNDS						
000057-55-6	Propylene Glycol	5100	J		3.43	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	240	AB		4.77	ug/Kg
000119-61-9	Benzophenone	470	J		15.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	390	J		18.0	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	280	J		18.2	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-26	SDG No.:	Q2176
Lab Sample ID:	Q2176-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.2
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
BP024901.D	2	06/04/25 09:10	06/10/25 19:51	PB168234

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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-28	SDG No.:	Q2176
Lab Sample ID:	Q2176-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.5
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
BP024909.D	1	06/04/25 09:10	06/11/25 12:59	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	360	ug/Kg
108-95-2	Phenol	24.4	U	24.4	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.8	U	26.8	190	ug/Kg
95-57-8	2-Chlorophenol	26.9	U	26.9	190	ug/Kg
95-48-7	2-Methylphenol	33.0	U	33.0	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	41.4	U	41.4	190	ug/Kg
98-86-2	Acetophenone	32.5	U	32.5	190	ug/Kg
65794-96-9	3+4-Methylphenols	45.3	U	45.3	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	52.3	U	52.3	88.3	ug/Kg
67-72-1	Hexachloroethane	19.4	U	19.4	190	ug/Kg
98-95-3	Nitrobenzene	20.2	U	20.2	190	ug/Kg
78-59-1	Isophorone	36.2	U	36.2	190	ug/Kg
88-75-5	2-Nitrophenol	64.2	U	64.2	190	ug/Kg
105-67-9	2,4-Dimethylphenol	71.5	U	71.5	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	34.0	U	34.0	190	ug/Kg
120-83-2	2,4-Dichlorophenol	31.2	U	31.2	190	ug/Kg
91-20-3	Naphthalene	25.0	U	25.0	190	ug/Kg
106-47-8	4-Chloroaniline	39.1	U	39.1	190	ug/Kg
87-68-3	Hexachlorobutadiene	27.9	U	27.9	190	ug/Kg
105-60-2	Caprolactam	57.5	U	57.5	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.7	U	31.7	190	ug/Kg
91-57-6	2-Methylnaphthalene	28.2	U	28.2	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.8	U	21.8	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	32.1	U	32.1	190	ug/Kg
92-52-4	1,1-Biphenyl	24.0	U	24.0	190	ug/Kg
91-58-7	2-Chloronaphthalene	24.8	U	24.8	190	ug/Kg
88-74-4	2-Nitroaniline	53.1	U	53.1	190	ug/Kg
131-11-3	Dimethylphthalate	29.9	U	29.9	190	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-28	SDG No.:	Q2176
Lab Sample ID:	Q2176-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.5
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
BP024909.D	1	06/04/25 09:10	06/11/25 12:59	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.9	U	31.9	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	37.1	U	37.1	190	ug/Kg
99-09-2	3-Nitroaniline	50.7	U	50.7	190	ug/Kg
83-32-9	Acenaphthene	23.5	U	23.5	190	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	360	ug/Kg
132-64-9	Dibenzofuran	25.0	U	25.0	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	55.3	U	55.3	190	ug/Kg
84-66-2	Diethylphthalate	31.2	U	31.2	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.5	U	29.5	190	ug/Kg
86-73-7	Fluorene	27.9	U	27.9	190	ug/Kg
100-01-6	4-Nitroaniline	70.8	U	70.8	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	36.3	U	36.3	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.7	U	30.7	190	ug/Kg
118-74-1	Hexachlorobenzene	27.9	U	27.9	190	ug/Kg
1912-24-9	Atrazine	37.5	U	37.5	190	ug/Kg
87-86-5	Pentachlorophenol	56.6	U	56.6	360	ug/Kg
85-01-8	Phenanthrene	23.1	U	23.1	190	ug/Kg
120-12-7	Anthracene	36.7	U	36.7	190	ug/Kg
86-74-8	Carbazole	34.4	U	34.4	190	ug/Kg
84-74-2	Di-n-butylphthalate	52.8	U	52.8	190	ug/Kg
206-44-0	Fluoranthene	120	J	33.1	190	ug/Kg
129-00-0	Pyrene	87.4	J	39.7	190	ug/Kg
85-68-7	Butylbenzylphthalate	78.8	U	78.8	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	40.5	UQ	40.5	360	ug/Kg
56-55-3	Benzo(a)anthracene	25.4	U	25.4	190	ug/Kg
218-01-9	Chrysene	22.0	U	22.0	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	65.3	U	65.3	190	ug/Kg
117-84-0	Di-n-octyl phthalate	95.8	U	95.8	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	21.0	U	21.0	190	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-28	SDG No.:	Q2176
Lab Sample ID:	Q2176-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.5
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
BP024909.D	1	06/04/25 09:10	06/11/25 12:59	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	24.7	U	24.7	190	ug/Kg
50-32-8	Benzo(a)pyrene	32.5	U	32.5	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	32.1	U	32.1	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	30.2	U	30.2	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28.4	U	28.4	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	28.2	U	28.2	190	ug/Kg
123-91-1	1,4-Dioxane	49.9	U	49.9	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	30.2	U	30.2	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	94.5		18 - 112	63%	SPK: 150
13127-88-3	Phenol-d6	93.3		15 - 107	62%	SPK: 150
4165-60-0	Nitrobenzene-d5	54.8		18 - 107	55%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.6		20 - 109	56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	109		10 - 116	73%	SPK: 150
1718-51-0	Terphenyl-d14	55.7		10 - 105	56%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	233000	7.613			
1146-65-2	Naphthalene-d8	929000	10.384			
15067-26-2	Acenaphthene-d10	605000	14.254			
1517-22-2	Phenanthrene-d10	1280000	17.054			
1719-03-5	Chrysene-d12	1660000	21.483			
1520-96-3	Perylene-d12	1990000	24.748			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	220	AB		4.77	ug/Kg
000119-61-9	Benzophenone	450	J		15.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	370	J		18.0	ug/Kg
000057-11-4	Octadecanoic acid	96.0	J		19.3	ug/Kg
074685-33-9	3-Eicosene, (E)-	190	J		21.2	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-28	SDG No.:	Q2176
Lab Sample ID:	Q2176-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.5
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
BP024909.D	1	06/04/25 09:10	06/11/25 12:59	PB168234

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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-27	SDG No.:	Q2176
Lab Sample ID:	Q2176-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024897.D	1	06/04/25 09:10	06/10/25 17:08	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	400	ug/Kg
108-95-2	Phenol	26.5	U	26.5	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	29.2	U	29.2	200	ug/Kg
95-57-8	2-Chlorophenol	29.3	U	29.3	200	ug/Kg
95-48-7	2-Methylphenol	35.9	U	35.9	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	45.0	U	45.0	200	ug/Kg
98-86-2	Acetophenone	35.4	U	35.4	200	ug/Kg
65794-96-9	3+4-Methylphenols	49.3	U	49.3	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	56.9	U	56.9	96.0	ug/Kg
67-72-1	Hexachloroethane	21.1	U	21.1	200	ug/Kg
98-95-3	Nitrobenzene	22.0	U	22.0	200	ug/Kg
78-59-1	Isophorone	39.4	U	39.4	200	ug/Kg
88-75-5	2-Nitrophenol	69.9	U	69.9	200	ug/Kg
105-67-9	2,4-Dimethylphenol	77.8	U	77.8	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	37.0	U	37.0	200	ug/Kg
120-83-2	2,4-Dichlorophenol	34.0	U	34.0	200	ug/Kg
91-20-3	Naphthalene	27.3	U	27.3	200	ug/Kg
106-47-8	4-Chloroaniline	42.5	U	42.5	200	ug/Kg
87-68-3	Hexachlorobutadiene	30.4	U	30.4	200	ug/Kg
105-60-2	Caprolactam	62.5	U	62.5	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	34.5	U	34.5	200	ug/Kg
91-57-6	2-Methylnaphthalene	30.7	U	30.7	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.8	U	23.8	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34.9	U	34.9	200	ug/Kg
92-52-4	1,1-Biphenyl	26.2	U	26.2	200	ug/Kg
91-58-7	2-Chloronaphthalene	27.0	U	27.0	200	ug/Kg
88-74-4	2-Nitroaniline	57.7	U	57.7	200	ug/Kg
131-11-3	Dimethylphthalate	32.5	U	32.5	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-27	SDG No.:	Q2176
Lab Sample ID:	Q2176-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024897.D	1	06/04/25 09:10	06/10/25 17:08	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	34.7	U	34.7	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	40.3	U	40.3	200	ug/Kg
99-09-2	3-Nitroaniline	55.2	U	55.2	200	ug/Kg
83-32-9	Acenaphthene	25.6	U	25.6	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	400	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	400	ug/Kg
132-64-9	Dibenzofuran	27.3	U	27.3	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	60.1	U	60.1	200	ug/Kg
84-66-2	Diethylphthalate	34.0	U	34.0	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	32.1	U	32.1	200	ug/Kg
86-73-7	Fluorene	30.4	U	30.4	200	ug/Kg
100-01-6	4-Nitroaniline	77.1	U	77.1	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	39.5	U	39.5	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	33.4	U	33.4	200	ug/Kg
118-74-1	Hexachlorobenzene	30.4	U	30.4	200	ug/Kg
1912-24-9	Atrazine	40.8	U	40.8	200	ug/Kg
87-86-5	Pentachlorophenol	61.6	U	61.6	400	ug/Kg
85-01-8	Phenanthrene	25.1	U	25.1	200	ug/Kg
120-12-7	Anthracene	40.0	U	40.0	200	ug/Kg
86-74-8	Carbazole	37.5	U	37.5	200	ug/Kg
84-74-2	Di-n-butylphthalate	57.5	U	57.5	200	ug/Kg
206-44-0	Fluoranthene	36.0	U	36.0	200	ug/Kg
129-00-0	Pyrene	43.2	U	43.2	200	ug/Kg
85-68-7	Butylbenzylphthalate	85.7	U	85.7	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	44.1	UQ	44.1	400	ug/Kg
56-55-3	Benzo(a)anthracene	27.6	U	27.6	200	ug/Kg
218-01-9	Chrysene	23.9	U	23.9	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	71.1	U	71.1	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	J	22.8	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-27	SDG No.:	Q2176
Lab Sample ID:	Q2176-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024897.D	1	06/04/25 09:10	06/10/25 17:08	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	26.9	U	26.9	200	ug/Kg
50-32-8	Benzo(a)pyrene	98.6	J	35.4	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34.9	U	34.9	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32.9	U	32.9	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	J	30.9	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	30.7	U	30.7	200	ug/Kg
123-91-1	1,4-Dioxane	54.3	U	54.3	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.9	U	32.9	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	122		18 - 112	82%	SPK: 150
13127-88-3	Phenol-d6	120		15 - 107	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	68.1		18 - 107	68%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.5		20 - 109	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	125		10 - 116	83%	SPK: 150
1718-51-0	Terphenyl-d14	73.2		10 - 105	73%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	231000	7.608			
1146-65-2	Naphthalene-d8	960000	10.378			
15067-26-2	Acenaphthene-d10	612000	14.254			
1517-22-2	Phenanthrene-d10	1160000	17.06			
1719-03-5	Chrysene-d12	1200000	21.489			
1520-96-3	Perylene-d12	1460000	24.736			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	300	AB		4.77	ug/Kg
000119-61-9	Benzophenone	530	J		15.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	270	J		18.0	ug/Kg
000057-11-4	Octadecanoic acid	160	J		19.3	ug/Kg
	unknown20.201	99.2	J		20.2	ug/Kg
1000351-84-1	Tetratriacontyl heptafluorobutyrat	82.4	J		20.6	ug/Kg
1000309-38-1	Oxalic acid, isobutyl hexadecyl es	120	J		21.2	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-27	SDG No.:	Q2176
Lab Sample ID:	Q2176-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024897.D	1	06/04/25 09:10	06/10/25 17:08	PB168234

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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-31	SDG No.:	Q2176
Lab Sample ID:	Q2176-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142650.D	1	06/04/25 09:10	06/06/25 17:01	PB168234

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-31	SDG No.:	Q2176
Lab Sample ID:	Q2176-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142650.D	1	06/04/25 09:10	06/06/25 17:01	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.3	U	33.3	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.7	U	38.7	200	ug/Kg
99-09-2	3-Nitroaniline	52.9	U	52.9	200	ug/Kg
83-32-9	Acenaphthene	24.5	U	24.5	200	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	26.1	U	26.1	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	57.6	U	57.6	200	ug/Kg
84-66-2	Diethylphthalate	32.6	U	32.6	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.7	U	30.7	200	ug/Kg
86-73-7	Fluorene	29.1	U	29.1	200	ug/Kg
100-01-6	4-Nitroaniline	73.9	U	73.9	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	37.9	U	37.9	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.0	U	32.0	200	ug/Kg
118-74-1	Hexachlorobenzene	29.1	U	29.1	200	ug/Kg
1912-24-9	Atrazine	39.1	U	39.1	200	ug/Kg
87-86-5	Pentachlorophenol	59.0	U	59.0	380	ug/Kg
85-01-8	Phenanthrene	99.5	J	24.0	200	ug/Kg
120-12-7	Anthracene	38.3	U	38.3	200	ug/Kg
86-74-8	Carbazole	35.9	U	35.9	200	ug/Kg
84-74-2	Di-n-butylphthalate	55.1	U	55.1	200	ug/Kg
206-44-0	Fluoranthene	97.4	J	34.5	200	ug/Kg
129-00-0	Pyrene	41.4	U	41.4	200	ug/Kg
85-68-7	Butylbenzylphthalate	82.1	U	82.1	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.2	UQ	42.2	380	ug/Kg
56-55-3	Benzo(a)anthracene	26.5	U	26.5	200	ug/Kg
218-01-9	Chrysene	22.9	U	22.9	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.1	U	68.1	200	ug/Kg
117-84-0	Di-n-octyl phthalate	99.9	U	99.9	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	21.9	U	21.9	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-31	SDG No.:	Q2176
Lab Sample ID:	Q2176-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142650.D	1	06/04/25 09:10	06/06/25 17:01	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.8	U	25.8	200	ug/Kg
50-32-8	Benzo(a)pyrene	33.9	U	33.9	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.5	U	33.5	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.5	U	31.5	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.6	U	29.6	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.5	U	29.5	200	ug/Kg
123-91-1	1,4-Dioxane	52.0	U	52.0	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.5	U	31.5	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	91.0		18 - 112	61%	SPK: 150
13127-88-3	Phenol-d6	93.1		15 - 107	62%	SPK: 150
4165-60-0	Nitrobenzene-d5	56.8		18 - 107	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.6		20 - 109	54%	SPK: 100
118-79-6	2,4,6-Tribromophenol	91.7		10 - 116	61%	SPK: 150
1718-51-0	Terphenyl-d14	49.2		10 - 105	49%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	129000	6.892			
1146-65-2	Naphthalene-d8	489000	8.175			
15067-26-2	Acenaphthene-d10	264000	9.933			
1517-22-2	Phenanthrene-d10	414000	11.422			
1719-03-5	Chrysene-d12	237000	14.063			
1520-96-3	Perylene-d12	279000	15.563			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	300	AB		5.11	ug/Kg
000119-61-9	Benzophenone	490	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	200	J		11.9	ug/Kg
053800-02-5	Trifluoroacetic acid,n-tridecyl es	100	J		12.5	ug/Kg
000886-66-8	Benzene, 1,1-(1,3-butadiyne-1,4-diyl)	120	J		12.9	ug/Kg
959010-23-2	Trifluoroacetic acid, pentadecyl e	110	J		13.2	ug/Kg
959085-66-6	Heptadecyl heptafluorobutyrate	210	J		13.9	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-31	SDG No.:	Q2176
Lab Sample ID:	Q2176-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142650.D	1	06/04/25 09:10	06/06/25 17:01	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000112-88-9	1-Octadecene	95.5	J		14.5	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:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-65	SDG No.:	Q2176
Lab Sample ID:	Q2176-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.3
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
BP024894.D	1	06/04/25 09:10	06/10/25 15:05	PB168234

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	25.3	U	25.3	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	27.8	U	27.8	190	ug/Kg
95-57-8	2-Chlorophenol	27.9	U	27.9	190	ug/Kg
95-48-7	2-Methylphenol	34.2	U	34.2	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	42.9	U	42.9	190	ug/Kg
98-86-2	Acetophenone	33.7	U	33.7	190	ug/Kg
65794-96-9	3+4-Methylphenols	47.0	U	47.0	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.2	U	54.2	91.5	ug/Kg
67-72-1	Hexachloroethane	20.1	U	20.1	190	ug/Kg
98-95-3	Nitrobenzene	20.9	U	20.9	190	ug/Kg
78-59-1	Isophorone	37.5	U	37.5	190	ug/Kg
88-75-5	2-Nitrophenol	66.6	U	66.6	190	ug/Kg
105-67-9	2,4-Dimethylphenol	74.1	U	74.1	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.2	U	35.2	190	ug/Kg
120-83-2	2,4-Dichlorophenol	32.4	U	32.4	190	ug/Kg
91-20-3	Naphthalene	26.0	U	26.0	190	ug/Kg
106-47-8	4-Chloroaniline	40.5	U	40.5	190	ug/Kg
87-68-3	Hexachlorobutadiene	28.9	U	28.9	190	ug/Kg
105-60-2	Caprolactam	59.6	U	59.6	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32.8	U	32.8	190	ug/Kg
91-57-6	2-Methylnaphthalene	29.3	U	29.3	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.6	U	22.6	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.3	U	33.3	190	ug/Kg
92-52-4	1,1-Biphenyl	24.9	U	24.9	190	ug/Kg
91-58-7	2-Chloronaphthalene	25.7	U	25.7	190	ug/Kg
88-74-4	2-Nitroaniline	55.0	U	55.0	190	ug/Kg
131-11-3	Dimethylphthalate	31.0	U	31.0	190	ug/Kg

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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:	TP-65	SDG No.:	Q2176
Lab Sample ID:	Q2176-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.3
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
BP024894.D	1	06/04/25 09:10	06/10/25 15:05	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.0	U	33.0	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.4	U	38.4	190	ug/Kg
99-09-2	3-Nitroaniline	52.6	U	52.6	190	ug/Kg
83-32-9	Acenaphthene	24.4	U	24.4	190	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	26.0	U	26.0	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	57.3	U	57.3	190	ug/Kg
84-66-2	Diethylphthalate	32.4	U	32.4	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.5	U	30.5	190	ug/Kg
86-73-7	Fluorene	28.9	U	28.9	190	ug/Kg
100-01-6	4-Nitroaniline	73.4	U	73.4	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	37.6	U	37.6	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31.8	U	31.8	190	ug/Kg
118-74-1	Hexachlorobenzene	28.9	U	28.9	190	ug/Kg
1912-24-9	Atrazine	38.9	U	38.9	190	ug/Kg
87-86-5	Pentachlorophenol	58.7	U	58.7	380	ug/Kg
85-01-8	Phenanthrene	23.9	U	23.9	190	ug/Kg
120-12-7	Anthracene	38.1	U	38.1	190	ug/Kg
86-74-8	Carbazole	35.7	U	35.7	190	ug/Kg
84-74-2	Di-n-butylphthalate	54.8	U	54.8	190	ug/Kg
206-44-0	Fluoranthene	34.3	U	34.3	190	ug/Kg
129-00-0	Pyrene	41.2	U	41.2	190	ug/Kg
85-68-7	Butylbenzylphthalate	81.7	U	81.7	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.0	UQ	42.0	380	ug/Kg
56-55-3	Benzo(a)anthracene	26.3	U	26.3	190	ug/Kg
218-01-9	Chrysene	22.8	U	22.8	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	67.7	U	67.7	190	ug/Kg
117-84-0	Di-n-octyl phthalate	99.3	U	99.3	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	21.7	U	21.7	190	ug/Kg

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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:	TP-65	SDG No.:	Q2176
Lab Sample ID:	Q2176-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.3
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
BP024894.D	1	06/04/25 09:10	06/10/25 15:05	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.6	U	25.6	190	ug/Kg
50-32-8	Benzo(a)pyrene	33.7	U	33.7	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.3	U	33.3	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.3	U	31.3	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.4	U	29.4	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.3	U	29.3	190	ug/Kg
123-91-1	1,4-Dioxane	51.7	U	51.7	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.3	U	31.3	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	113		18 - 112	75%	SPK: 150
13127-88-3	Phenol-d6	112		15 - 107	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.9		18 - 107	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.7		20 - 109	58%	SPK: 100
118-79-6	2,4,6-Tribromophenol	119		10 - 116	79%	SPK: 150
1718-51-0	Terphenyl-d14	58.4		10 - 105	58%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	258000	7.608			
1146-65-2	Naphthalene-d8	1090000	10.378			
15067-26-2	Acenaphthene-d10	691000	14.248			
1517-22-2	Phenanthrene-d10	1370000	17.048			
1719-03-5	Chrysene-d12	1380000	21.483			
1520-96-3	Perylene-d12	1590000	24.736			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	270	AB		4.77	ug/Kg
000119-61-9	Benzophenone	380	J		15.6	ug/Kg
082304-66-3	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	76.6	J		17.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	270	J		18.0	ug/Kg
010192-32-2	1-Tetracosene	120	J		21.2	ug/Kg

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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:	TP-65	SDG No.:	Q2176
Lab Sample ID:	Q2176-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.3
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
BP024894.D	1	06/04/25 09:10	06/10/25 15:05	PB168234

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

Alliance TECHNICAL GROUP
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Surrogate Summary

SW-846

SDG No.: Q2176

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
PB168234BL	PB168234BL	2-Fluorophenol	150	120	80		18	112
		Phenol-d6	150	119	80		15	107
		Nitrobenzene-d5	100	75.3	75		18	107
		2-Fluorobiphenyl	100	71.9	72		20	109
		2,4,6-Tribromophenol	150	117	78		10	116
		Terphenyl-d14	100	72.1	72		10	105
PB168234BS	PB168234BS	2-Fluorophenol	150	120	80		18	112
		Phenol-d6	150	120	80		15	107
		Nitrobenzene-d5	100	76.0	76		18	107
		2-Fluorobiphenyl	100	74.1	74		20	109
		2,4,6-Tribromophenol	150	123	82		10	116
		Terphenyl-d14	100	80.6	81		10	105
Q2159-01MS	TP05-MHO-WCMS	2-Fluorophenol	150	74.7	50		18	112
		Phenol-d6	150	76.0	51		15	107
		Nitrobenzene-d5	100	47.4	47		18	107
		2-Fluorobiphenyl	100	45.5	46		20	109
		2,4,6-Tribromophenol	150	69.8	47		10	116
		Terphenyl-d14	100	35.2	35		10	105
Q2159-01MSD	TP05-MHO-WCMSD	2-Fluorophenol	150	72.4	48		18	112
		Phenol-d6	150	72.8	49		15	107
		Nitrobenzene-d5	100	45.8	46		18	107
		2-Fluorobiphenyl	100	45.1	45		20	109
		2,4,6-Tribromophenol	150	65.3	44		10	116
		Terphenyl-d14	100	32.4	32		10	105
Q2176-01	TP-46	2-Fluorophenol	150	84.2	56		18	112
		Phenol-d6	150	85.5	57		15	107
		Nitrobenzene-d5	100	53.0	53		18	107
		2-Fluorobiphenyl	100	55.7	56		20	109
		2,4,6-Tribromophenol	150	79.6	53		10	116
		Terphenyl-d14	100	45.5	46		10	105
Q2176-02	TP-56	2-Fluorophenol	150	79.8	53		18	112
		Phenol-d6	150	79.4	53		15	107
		Nitrobenzene-d5	100	51.2	51		18	107
		2-Fluorobiphenyl	100	56.7	57		20	109
		2,4,6-Tribromophenol	150	69.5	46		10	116
		Terphenyl-d14	100	37.5	38		10	105
Q2176-03	TP-25	2-Fluorophenol	150	93.4	62		18	112
		Phenol-d6	150	90.1	60		15	107
		Nitrobenzene-d5	100	54.7	55		18	107
		2-Fluorobiphenyl	100	54.0	54		20	109
		2,4,6-Tribromophenol	150	97.0	65		10	116
		Terphenyl-d14	100	48.5	49		10	105
Q2176-04	TP-26	2-Fluorophenol	150	99.4	66		18	112
		Phenol-d6	150	97.9	65		15	107
		Nitrobenzene-d5	100	58.3	58		18	107
		2-Fluorobiphenyl	100	63.1	63		20	109
		2,4,6-Tribromophenol	150	97.0	65		10	116
		Terphenyl-d14	100	66.0	66		10	105
Q2176-05	TP-28	2-Fluorophenol	150	94.5	63		18	112
		Phenol-d6	150	93.3	62		15	107
		Nitrobenzene-d5	100	54.8	55		18	107

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Surrogate Summary

SW-846

SDG No.: Q2176

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2176-05	TP-28	2-Fluorobiphenyl	100	55.6	56		20	109
		2,4,6-Tribromophenol	150	109	73		10	116
		Terphenyl-d14	100	55.7	56		10	105
Q2176-06	TP-27	2-Fluorophenol	150	122	82		18	112
		Phenol-d6	150	120	80		15	107
		Nitrobenzene-d5	100	68.1	68		18	107
		2-Fluorobiphenyl	100	71.5	72		20	109
		2,4,6-Tribromophenol	150	125	83		10	116
		Terphenyl-d14	100	73.2	73		10	105
Q2176-07	TP-31	2-Fluorophenol	150	91.0	61		18	112
		Phenol-d6	150	93.1	62		15	107
		Nitrobenzene-d5	100	56.8	57		18	107
		2-Fluorobiphenyl	100	53.6	54		20	109
		2,4,6-Tribromophenol	150	91.7	61		10	116
		Terphenyl-d14	100	49.2	49		10	105
Q2176-08	TP-65	2-Fluorophenol	150	113	75		18	112
		Phenol-d6	150	112	75		15	107
		Nitrobenzene-d5	100	62.9	63		18	107
		2-Fluorobiphenyl	100	57.7	58		20	109
		2,4,6-Tribromophenol	150	119	79		10	116
		Terphenyl-d14	100	58.4	58		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2176

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: Q2159-01MS		**Client Sample ID: TP05-MHO-WCMS**						**DataFile: BF142605.D**			
Benzaldehyde	1200	0	890	ug/Kg	74				10	171	
Phenol	1200	0	1000	ug/Kg	83				51	122	
bis(2-Chloroethyl)ether	1200	0	1100	ug/Kg	92				54	125	
2-Chlorophenol	1200	0	1100	ug/Kg	92				51	121	
2-Methylphenol	1200	0	1000	ug/Kg	83				47	125	
2,2-oxybis(1-Chloropropane)	1200	0	1100	ug/Kg	92				46	119	
Acetophenone	1200	0	1100	ug/Kg	92				55	128	
3+4-Methylphenols	1200	0	1000	ug/Kg	83				49	125	
N-Nitroso-di-n-propylamine	1200	0	990	ug/Kg	83				59	119	
Hexachloroethane	1200	0	1000	ug/Kg	83				51	116	
Nitrobenzene	1200	0	1100	ug/Kg	92				47	124	
Isophorone	1200	0	1100	ug/Kg	92				49	127	
2-Nitrophenol	1200	0	1100	ug/Kg	92				43	131	
2,4-Dimethylphenol	1200	0	1000	ug/Kg	83				63	151	
bis(2-Chloroethoxy)methane	1200	0	1100	ug/Kg	92				51	119	
2,4-Dichlorophenol	1200	0	1100	ug/Kg	92				50	122	
Naphthalene	1200	0	1100	ug/Kg	92				51	121	
4-Chloroaniline	1200	0	290	ug/Kg	24				10	100	
Hexachlorobutadiene	1200	0	1100	ug/Kg	92				44	126	
Caprolactam	1200	0	1100	ug/Kg	92				51	134	
4-Chloro-3-methylphenol	1200	0	1000	ug/Kg	83				57	132	
2-Methylnaphthalene	1200	0	1100	ug/Kg	92				59	123	
Hexachlorocyclopentadiene	2400	0	1900	ug/Kg	79				10	175	
2,4,6-Trichlorophenol	1200	0	1100	ug/Kg	92				33	141	
2,4,5-Trichlorophenol	1200	0	1100	ug/Kg	92				38	135	
1,1-Biphenyl	1200	0	1100	ug/Kg	92				55	131	
2-Chloronaphthalene	1200	0	1100	ug/Kg	92				48	124	
2-Nitroaniline	1200	0	1100	ug/Kg	92				47	134	
Dimethylphthalate	1200	0	1100	ug/Kg	92				54	120	
Acenaphthylene	1200	0	1100	ug/Kg	92				57	125	
2,6-Dinitrotoluene	1200	0	1100	ug/Kg	92				48	127	
3-Nitroaniline	1200	0	510	ug/Kg	43				10	112	
Acenaphthene	1200	0	1200	ug/Kg	100				70	121	
2,4-Dinitrophenol	2400	0	2000	ug/Kg	83				10	155	
4-Nitrophenol	2400	0	2100	ug/Kg	88				10	175	
Dibenzofuran	1200	0	1100	ug/Kg	92				52	114	
2,4-Dinitrotoluene	1200	0	1100	ug/Kg	92				41	140	
Diethylphthalate	1200	0	1100	ug/Kg	92				51	119	
4-Chlorophenyl-phenylether	1200	0	1100	ug/Kg	92				48	122	
Fluorene	1200	0	1100	ug/Kg	92				53	118	
4-Nitroaniline	1200	0	1000	ug/Kg	83				29	140	
4,6-Dinitro-2-methylphenol	1200	0	1100	ug/Kg	92				10	160	
N-Nitrosodiphenylamine	1200	0	1200	ug/Kg	100				73	118	
4-Bromophenyl-phenylether	1200	0	1200	ug/Kg	100				65	121	
Hexachlorobenzene	1200	0	1100	ug/Kg	92				67	118	
Atrazine	1200	0	1300	ug/Kg	108				45	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2176

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	2400	0	2100	ug/Kg	88				13	153	
Phenanthrene	1200	0	1100	ug/Kg	92				52	128	
Anthracene	1200	0	1100	ug/Kg	92				62	124	
Carbazole	1200	0	1100	ug/Kg	92				59	119	
Di-n-butylphthalate	1200	0	1200	ug/Kg	100				55	125	
Fluoranthene	1200	0	1100	ug/Kg	92				44	125	
Pyrene	1200	0	840	ug/Kg	70				37	122	
Butylbenzylphthalate	1200	0	1200	ug/Kg	100				44	135	
3,3-Dichlorobenzidine	1200	0	630	ug/Kg	52				15	112	
Benzo(a)anthracene	1200	0	1100	ug/Kg	92				53	119	
Chrysene	1200	0	1100	ug/Kg	92				57	121	
bis(2-Ethylhexyl)phthalate	1200	0	1300	ug/Kg	108				42	169	
Di-n-octyl phthalate	1200	0	1200	ug/Kg	100				51	156	
Benzo(b)fluoranthene	1200	0	1200	ug/Kg	100				52	117	
Benzo(k)fluoranthene	1200	0	1100	ug/Kg	92				57	134	
Benzo(a)pyrene	1200	0	1100	ug/Kg	92				70	142	
Indeno(1,2,3-cd)pyrene	1200	0	930	ug/Kg	78				40	129	
Dibenz(a,h)anthracene	1200	0	930	ug/Kg	78				43	123	
Benzo(g,h,i)perylene	1200	0	860	ug/Kg	72				24	125	
1,2,4,5-Tetrachlorobenzene	1200	0	1200	ug/Kg	100				52	134	
1,4-Dioxane	1200	0	1000	ug/Kg	83				46	112	
2,3,4,6-Tetrachlorophenol	1200	0	1000	ug/Kg	83				24	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2176

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: Q2159-01MSD		**Client Sample ID: TP05-MHO-WCMSD**						**DataFile: BF142606.D**			
Benzaldehyde	1200	0	840	ug/Kg	70		6		10	171	20
Phenol	1200	0	990	ug/Kg	83		0		51	122	20
bis(2-Chloroethyl)ether	1200	0	1000	ug/Kg	83		10		54	125	20
2-Chlorophenol	1200	0	1000	ug/Kg	83		10		51	121	20
2-Methylphenol	1200	0	1000	ug/Kg	83		0		47	125	20
2,2-oxybis(1-Chloropropane)	1200	0	1000	ug/Kg	83		10		46	119	20
Acetophenone	1200	0	1000	ug/Kg	83		10		55	128	20
3+4-Methylphenols	1200	0	960	ug/Kg	80		4		49	125	20
N-Nitroso-di-n-propylamine	1200	0	950	ug/Kg	79		5		59	119	20
Hexachloroethane	1200	0	1000	ug/Kg	83		0		51	116	20
Nitrobenzene	1200	0	1100	ug/Kg	92		0		47	124	20
Isophorone	1200	0	1000	ug/Kg	83		10		49	127	20
2-Nitrophenol	1200	0	1100	ug/Kg	92		0		43	131	20
2,4-Dimethylphenol	1200	0	980	ug/Kg	82		1		63	151	20
bis(2-Chloroethoxy)methane	1200	0	1000	ug/Kg	83		10		51	119	20
2,4-Dichlorophenol	1200	0	1000	ug/Kg	83		10		50	122	20
Naphthalene	1200	0	1000	ug/Kg	83		10		51	121	20
4-Chloroaniline	1200	0	240	ug/Kg	20		18		10	100	20
Hexachlorobutadiene	1200	0	1000	ug/Kg	83		10		44	126	20
Caprolactam	1200	0	1100	ug/Kg	92		0		51	134	20
4-Chloro-3-methylphenol	1200	0	970	ug/Kg	81		2		57	132	20
2-Methylnaphthalene	1200	0	1000	ug/Kg	83		10		59	123	20
Hexachlorocyclopentadiene	2400	0	1900	ug/Kg	79		0		10	175	20
2,4,6-Trichlorophenol	1200	0	1100	ug/Kg	92		0		33	141	20
2,4,5-Trichlorophenol	1200	0	1000	ug/Kg	83		10		38	135	20
1,1-Biphenyl	1200	0	1100	ug/Kg	92		0		55	131	20
2-Chloronaphthalene	1200	0	1100	ug/Kg	92		0		48	124	20
2-Nitroaniline	1200	0	1100	ug/Kg	92		0		47	134	20
Dimethylphthalate	1200	0	1100	ug/Kg	92		0		54	120	20
Acenaphthylene	1200	0	1100	ug/Kg	92		0		57	125	20
2,6-Dinitrotoluene	1200	0	1100	ug/Kg	92		0		48	127	20
3-Nitroaniline	1200	0	480	ug/Kg	40		7		10	112	20
Acenaphthene	1200	0	1100	ug/Kg	92		8		70	121	20
2,4-Dinitrophenol	2400	0	1900	ug/Kg	79		5		10	155	20
4-Nitrophenol	2400	0	1900	ug/Kg	79		11		10	175	20
Dibenzofuran	1200	0	1000	ug/Kg	83		10		52	114	20
2,4-Dinitrotoluene	1200	0	1100	ug/Kg	92		0		41	140	20
Diethylphthalate	1200	0	1000	ug/Kg	83		10		51	119	20
4-Chlorophenyl-phenylether	1200	0	1000	ug/Kg	83		10		48	122	20
Fluorene	1200	0	1000	ug/Kg	83		10		53	118	20
4-Nitroaniline	1200	0	940	ug/Kg	78		6		29	140	20
4,6-Dinitro-2-methylphenol	1200	0	1100	ug/Kg	92		0		10	160	20
N-Nitrosodiphenylamine	1200	0	1200	ug/Kg	100		0		73	118	20
4-Bromophenyl-phenylether	1200	0	1200	ug/Kg	100		0		65	121	20
Hexachlorobenzene	1200	0	1100	ug/Kg	92		0		67	118	20
Atrazine	1200	0	1200	ug/Kg	100		8		45	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2176

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	2400	0	2000	ug/Kg	83		6		13	153	20
Phenanthrene	1200	0	1100	ug/Kg	92		0		52	128	20
Anthracene	1200	0	1100	ug/Kg	92		0		62	124	20
Carbazole	1200	0	1100	ug/Kg	92		0		59	119	20
Di-n-butylphthalate	1200	0	1200	ug/Kg	100		0		55	125	20
Fluoranthene	1200	0	1000	ug/Kg	83		10		44	125	20
Pyrene	1200	0	780	ug/Kg	65		7		37	122	20
Butylbenzylphthalate	1200	0	1100	ug/Kg	92		8		44	135	20
3,3-Dichlorobenzidine	1200	0	660	ug/Kg	55		6		15	112	20
Benzo(a)anthracene	1200	0	1100	ug/Kg	92		0		53	119	20
Chrysene	1200	0	1100	ug/Kg	92		0		57	121	20
bis(2-Ethylhexyl)phthalate	1200	0	1200	ug/Kg	100		8		42	169	20
Di-n-octyl phthalate	1200	0	1200	ug/Kg	100		0		51	156	20
Benzo(b)fluoranthene	1200	0	1000	ug/Kg	83		19		52	117	20
Benzo(k)fluoranthene	1200	0	1100	ug/Kg	92		0		57	134	20
Benzo(a)pyrene	1200	0	1100	ug/Kg	92		0		70	142	20
Indeno(1,2,3-cd)pyrene	1200	0	870	ug/Kg	73		7		40	129	20
Dibenz(a,h)anthracene	1200	0	890	ug/Kg	74		5		43	123	20
Benzo(g,h,i)perylene	1200	0	800	ug/Kg	67		7		24	125	20
1,2,4,5-Tetrachlorobenzene	1200	0	1100	ug/Kg	92		8		52	134	20
1,4-Dioxane	1200	0	970	ug/Kg	81		2		46	112	20
2,3,4,6-Tetrachlorophenol	1200	0	980	ug/Kg	82		1		24	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2176

Client: CDM Smith

Analytical Method: 8270E **DataFile:** BF142726.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168234BS	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	1500	ug/Kg	88				65	112	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1500	ug/Kg	88				66	98	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1500	ug/Kg	88				46	141	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				66	97	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	350	ug/Kg	21				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1700	ug/Kg	100				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	2900	ug/Kg	88				45	165	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	750	ug/Kg	44				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	3600	ug/Kg	109				37	128	
	4-Nitrophenol	3300	3300	ug/Kg	100				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				66	102	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2176

Client: CDM Smith

Analytical Method: 8270E **DataFile:** BF142726.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168234BS	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1700	ug/Kg	100				47	152	
	Pentachlorophenol	3300	3200	ug/Kg	97				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103	
	3,3-Dichlorobenzidine	1700	650	ug/Kg	38		*		42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				54	135	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				52	137	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				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.

PB168234BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Lab File ID: BF142603.D Lab Sample ID: PB168234BL

Instrument ID: BNA_F Date Extracted: 06/04/2025

Matrix: (soil/water) SOIL Date Analyzed: 06/04/2025

Level: (low/med) LOW Time Analyzed: 13:05

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
TP05-MHO-WCMS	Q2159-01MS	BF142605.D	06/04/2025
TP05-MHO-WCMSD	Q2159-01MSD	BF142606.D	06/04/2025
TP-31	Q2176-07	BF142650.D	06/06/2025
TP-46	Q2176-01	BF142661.D	06/06/2025
PB168234BS	PB168234BS	BF142726.D	06/11/2025
TP-56	Q2176-02	BF142757.D	06/12/2025
TP-65	Q2176-08	BP024894.D	06/10/2025
TP-27	Q2176-06	BP024897.D	06/10/2025
TP-26	Q2176-04	BP024901.D	06/10/2025
TP-25	Q2176-03	BP024908.D	06/11/2025
TP-28	Q2176-05	BP024909.D	06/11/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2176 SDG NO.: Q2176

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.: Q2176 SDG NO.: Q2176

Lab File ID: BF142601.D DFTPP Injection Date: 06/04/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.7
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	31.8
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	44.2
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	6.7
275	10.0 - 60.0% of mass 198	28.6
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	19.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.9 (18.9) 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	BF142602.D	06/04/2025	12:27
PB168234BL	PB168234BL	BF142603.D	06/04/2025	13:05
TP05-MHO-WCMS	Q2159-01MS	BF142605.D	06/04/2025	14:08
TP05-MHO-WCMSD	Q2159-01MSD	BF142606.D	06/04/2025	14:38

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2176 SDG NO.: Q2176

Lab File ID: BF142639.D DFTPP Injection Date: 06/06/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:01

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.0
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	32.3
70	Less than 2.0% of mass 69	0.2 (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	28.0
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	17.0
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.9 (18.9) 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	BF142640.D	06/06/2025	11:36
TP-31	Q2176-07	BF142650.D	06/06/2025	17:01
TP-46	Q2176-01	BF142661.D	06/06/2025	22:31

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2176 SDG NO.: Q2176

Lab File ID: BF142710.D DFTPP Injection Date: 06/10/2025

Instrument ID: BNA_F DFTPP Injection Time: 15:42

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.0
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	33.2
70	Less than 2.0% of mass 69	0.1 (0.2) 1
127	10.0 - 80.0% of mass 198	45.7
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	28.7
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	18.0
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	BF142712.D	06/10/2025	16:54
SSTDICC005	SSTDICC005	BF142713.D	06/10/2025	17:24
SSTDICC010	SSTDICC010	BF142714.D	06/10/2025	17:53
SSTDICC020	SSTDICC020	BF142715.D	06/10/2025	18:22
SSTDICCC040	SSTDICCC040	BF142716.D	06/10/2025	18:52
SSTDICC050	SSTDICC050	BF142717.D	06/10/2025	19:21
SSTDICC060	SSTDICC060	BF142718.D	06/10/2025	19:50
SSTDICC080	SSTDICC080	BF142719.D	06/10/2025	20:19

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2176 SDG NO.: Q2176

Lab File ID: BF142722.D DFTPP Injection Date: 06/11/2025

Instrument ID: BNA_F DFTPP Injection Time: 08:56

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.2
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	34.1
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	47.9
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	27.9
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	17.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.6 (18.6) 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	BF142723.D	06/11/2025	09:24
PB168234BS	PB168234BS	BF142726.D	06/11/2025	10:51

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2176 SDG NO.: Q2176

Lab File ID: BF142747.D DFTPP Injection Date: 06/12/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.5
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	34.0
70	Less than 2.0% of mass 69	0.1 (0.2) 1
127	10.0 - 80.0% of mass 198	48.0
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	28.1
365	Greater than 1% of mass 198	4.0
441	Present, but less than mass 443	17.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 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	BF142748.D	06/12/2025	09:50
TP-56	Q2176-02	BF142757.D	06/12/2025	14:58

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2176 SDG NO.: Q2176

Lab File ID: BP024859.D DFTPP Injection Date: 06/06/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.2
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36.9
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.9
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	31.2
365	Greater than 1% of mass 198	4.6
441	Present, but less than mass 443	13.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.1 (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
SSTDICC2.5	SSTDICC2.5	BP024860.D	06/06/2025	10:30
SSTDICC005	SSTDICC005	BP024861.D	06/06/2025	11:11
SSTDICC010	SSTDICC010	BP024862.D	06/06/2025	11:52
SSTDICC020	SSTDICC020	BP024863.D	06/06/2025	12:33
SSTDICCC040	SSTDICCC040	BP024864.D	06/06/2025	13:14
SSTDICC050	SSTDICC050	BP024865.D	06/06/2025	13:56
SSTDICC060	SSTDICC060	BP024866.D	06/06/2025	14:37
SSTDICC080	SSTDICC080	BP024867.D	06/06/2025	15:18

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2176 SDG NO.: Q2176

Lab File ID: BP024887.D DFTPP Injection Date: 06/10/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:12

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.5
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	35
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	46.2
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	6.8
275	10.0 - 60.0% of mass 198	30.9
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	12
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.3 (19.4) 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	BP024888.D	06/10/2025	10:53
TP-65	Q2176-08	BP024894.D	06/10/2025	15:05
TP-27	Q2176-06	BP024897.D	06/10/2025	17:08
TP-26	Q2176-04	BP024901.D	06/10/2025	19:51

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2176 SDG NO.: Q2176

Lab File ID: BP024904.D DFTPP Injection Date: 06/11/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:29

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.9
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	34.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	45.8
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	30.8
365	Greater than 1% of mass 198	4.4
441	Present, but less than mass 443	13.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.1 (19.1) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP024905.D	06/11/2025	10:09
TP-25	Q2176-03	BP024908.D	06/11/2025	12:18
TP-28	Q2176-05	BP024909.D	06/11/2025	12:59

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/04/2025

Lab File ID: BF142602.D Time Analyzed: 12:27

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	118699	6.898	454762	8.18	238732	9.94
	UPPER LIMIT	237398	7.398	909524	8.68	477464	10.439
	LOWER LIMIT	59349.5	6.398	227381	7.68	119366	9.439
	EPA SAMPLE NO.						
01	PB168234BL	131273	6.89	500088	8.18	273312	9.93
02	TP05-MHO-WCMS	119687	6.90	441391	8.18	218918	9.94
03	TP05-MHO-WCMSD	117119	6.90	429653	8.18	207287	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.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/04/2025

Lab File ID: BF142602.D Time Analyzed: 12:27

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	393948	11.427	204352	14.068	242845	15.562
	UPPER LIMIT	787896	11.927	408704	14.568	485690	16.062
	LOWER LIMIT	196974	10.927	102176	13.568	121423	15.062
	EPA SAMPLE NO.						
01	PB168234BL	477318	11.42	281764	14.06	248996	15.56
02	TP05-MHO-WCMS	322457	11.43	216030	14.07	272895	15.56
03	TP05-MHO-WCMSD	289513	11.42	207868	14.07	274922	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.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

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

Lab File ID: BF142640.D Time Analyzed: 11:36

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	126582	6.893	487381	8.18	254808	9.94
	UPPER LIMIT	253164	7.393	974762	8.681	509616	10.439
	LOWER LIMIT	63291	6.393	243691	7.681	127404	9.439
	EPA SAMPLE NO.						
01	TP-31	128783	6.89	488985	8.18	263890	9.93
02	TP-46	124234	6.89	473472	8.18	251337	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.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

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

Lab File ID: BF142640.D Time Analyzed: 11:36

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	375492	11.428	207998	14.069	270482	15.563
	UPPER LIMIT	750984	11.928	415996	14.569	540964	16.063
	LOWER LIMIT	187746	10.928	103999	13.569	135241	15.063
	EPA SAMPLE NO.						
01	TP-31	414083	11.42	237224	14.06	279177	15.56
02	TP-46	378800	11.42	233380	14.06	269073	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.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/11/2025

Lab File ID: BF142723.D Time Analyzed: 09:24

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	78219	6.892	306828	8.18	172169	9.94
	UPPER LIMIT	156438	7.392	613656	8.681	344338	10.439
	LOWER LIMIT	39109.5	6.392	153414	7.681	86084.5	9.439
	EPA SAMPLE NO.						
01	PB168234BS	83192	6.89	318279	8.18	176454	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.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/11/2025

Lab File ID: BF142723.D Time Analyzed: 09:24

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	291189	11.427	151467	14.068	144700	15.562
	UPPER LIMIT	582378	11.927	302934	14.568	289400	16.062
	LOWER LIMIT	145595	10.927	75733.5	13.568	72350	15.062
	EPA SAMPLE NO.						
01	PB168234BS	298489	11.43	155305	14.07	159844	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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/12/2025

Lab File ID: BF142748.D Time Analyzed: 09:50

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	70133	6.892	258971	8.18	130776	9.93
	UPPER LIMIT	140266	7.392	517942	8.675	261552	10.433
	LOWER LIMIT	35066.5	6.392	129486	7.675	65388	9.433
	EPA SAMPLE NO.						
01	TP-56	80751	6.89	294826	8.18	141230	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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/12/2025

Lab File ID: BF142748.D Time Analyzed: 09:50

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	201441	11.422	120471	14.068	146263	15.562
	UPPER LIMIT	402882	11.922	240942	14.568	292526	16.062
	LOWER LIMIT	100721	10.922	60235.5	13.568	73131.5	15.062
	EPA SAMPLE NO.						
01	TP-56	198627	11.42	163027	14.06	189069	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

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* 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.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/10/2025

Lab File ID: BP024888.D Time Analyzed: 10:53

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	264162	7.602	1106060	10.37	714331	14.24
	UPPER LIMIT	528324	8.102	2212120	10.872	1428660	14.742
	LOWER LIMIT	132081	7.102	553030	9.872	357166	13.742
	EPA SAMPLE NO.						
01	TP-27	231122	7.61	960347	10.38	611548	14.25
02	TP-65	258411	7.61	1090500	10.38	691206	14.25
03	TP-26	331428	7.61	1353170	10.38	851560	14.25

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

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* 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.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/10/2025

Lab File ID: BP024888.D Time Analyzed: 10:53

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1406880	17.048	1508870	21.466	1759120	24.707
	UPPER LIMIT	2813760	17.548	3017740	21.966	3518240	25.207
	LOWER LIMIT	703440	16.548	754435	20.966	879560	24.207
	EPA SAMPLE NO.						
01	TP-27	1164370	17.06	1196930	21.49	1458420	24.74
02	TP-65	1373080	17.05	1382030	21.48	1592940	24.74
03	TP-26	1568910	17.06	1528630	21.50	1800540	24.77

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

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* 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.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/11/2025

Lab File ID: BP024905.D Time Analyzed: 10:09

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	246136	7.607	989564	10.38	627529	14.25
	UPPER LIMIT	492272	8.107	1979130	10.878	1255060	14.754
	LOWER LIMIT	123068	7.107	494782	9.878	313765	13.754
	EPA SAMPLE NO.						
01	TP-25	205856	7.61	780618	10.38	477183	14.25
02	TP-28	233414	7.61	929314	10.38	605225	14.25

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.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/11/2025

Lab File ID: BP024905.D Time Analyzed: 10:09

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1260450	17.06	1315010	21.501	1616000	24.765
	UPPER LIMIT	2520900	17.56	2630020	22.001	3232000	25.265
	LOWER LIMIT	630225	16.56	657505	21.001	808000	24.265
	EPA SAMPLE NO.						
01	TP-25	971702	17.07	1285000	21.50	1716480	24.77
02	TP-28	1276560	17.05	1658470	21.48	1985950	24.75

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

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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:	PB168234BL	SDG No.:	Q2176
Lab Sample ID:	PB168234BL	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
BF142603.D	1	06/04/25 09:10	06/04/25 13:05	PB168234

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:	PB168234BL	SDG No.:	Q2176
Lab Sample ID:	PB168234BL	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
BF142603.D	1	06/04/25 09:10	06/04/25 13:05	PB168234

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:	PB168234BL	SDG No.:	Q2176
Lab Sample ID:	PB168234BL	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
BF142603.D	1	06/04/25 09:10	06/04/25 13:05	PB168234

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	119		15 - 107	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.3		18 - 107	75%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.9		20 - 109	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	117		10 - 116	78%	SPK: 150
1718-51-0	Terphenyl-d14	72.1		10 - 105	72%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	131000	6.893			
1146-65-2	Naphthalene-d8	500000	8.175			
15067-26-2	Acenaphthene-d10	273000	9.934			
1517-22-2	Phenanthrene-d10	477000	11.422			
1719-03-5	Chrysene-d12	282000	14.063			
1520-96-3	Perylene-d12	249000	15.563			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	330	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:	PB168234BL			SDG No.:	Q2176
Lab Sample ID:	PB168234BL			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
BF142603.D	1	06/04/25 09:10	06/04/25 13:05	PB168234

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:	PB168234BS	SDG No.:	Q2176
Lab Sample ID:	PB168234BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142726.D	1	06/04/25 09:10	06/11/25 10:51	PB168234

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	1500		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1500		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		37.5	170	ug/Kg
98-86-2	Acetophenone	1500		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	1400		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1500		18.3	170	ug/Kg
78-59-1	Isophorone	1400		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1500		58.1	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1500		64.7	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		28.3	170	ug/Kg
91-20-3	Naphthalene	1500		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	350		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		25.3	170	ug/Kg
105-60-2	Caprolactam	1700		52.0	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2900	E	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	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:	PB168234BS	SDG No.:	Q2176
Lab Sample ID:	PB168234BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142726.D	1	06/04/25 09:10	06/11/25 10:51	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1500		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	750		46.0	170	ug/Kg
83-32-9	Acenaphthene	1600		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3600	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	3300	E	110	330	ug/Kg
132-64-9	Dibenzofuran	1500		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		50.0	170	ug/Kg
84-66-2	Diethylphthalate	1500		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		26.7	170	ug/Kg
86-73-7	Fluorene	1500		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1500		64.1	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		25.3	170	ug/Kg
1912-24-9	Atrazine	1700		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	3200	E	51.2	330	ug/Kg
85-01-8	Phenanthrene	1500		20.9	170	ug/Kg
120-12-7	Anthracene	1500		33.3	170	ug/Kg
86-74-8	Carbazole	1500		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		47.9	170	ug/Kg
206-44-0	Fluoranthene	1500		30.0	170	ug/Kg
129-00-0	Pyrene	1600		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		71.3	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	650		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		23.0	170	ug/Kg
218-01-9	Chrysene	1500		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		59.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		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:	PB168234BS	SDG No.:	Q2176
Lab Sample ID:	PB168234BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142726.D	1	06/04/25 09:10	06/11/25 10:51	PB168234

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	1600		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		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	120		18 - 112	80%	SPK: 150
13127-88-3	Phenol-d6	120		15 - 107	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.0		18 - 107	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.1		20 - 109	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	123		10 - 116	82%	SPK: 150
1718-51-0	Terphenyl-d14	80.6		10 - 105	81%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	83200	6.893			
1146-65-2	Naphthalene-d8	318000	8.181			
15067-26-2	Acenaphthene-d10	176000	9.934			
1517-22-2	Phenanthrene-d10	298000	11.428			
1719-03-5	Chrysene-d12	155000	14.069			
1520-96-3	Perylene-d12	160000	15.563			

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
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N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/29/25
Client Sample ID:	TP05-MHO-WCMS	SDG No.:	Q2176
Lab Sample ID:	Q2159-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83
Sample Wt/Vol:	50.04 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
BF142605.D	1	06/04/25 09:10	06/04/25 14:08	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	890		110	240	ug/Kg
108-95-2	Phenol	1000		16.0	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		17.6	120	ug/Kg
95-57-8	2-Chlorophenol	1100		17.6	120	ug/Kg
95-48-7	2-Methylphenol	1000		21.6	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		27.1	120	ug/Kg
98-86-2	Acetophenone	1100		21.3	120	ug/Kg
65794-96-9	3+4-Methylphenols	1000		29.7	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	990		34.2	57.8	ug/Kg
67-72-1	Hexachloroethane	1000		12.7	120	ug/Kg
98-95-3	Nitrobenzene	1100		13.2	120	ug/Kg
78-59-1	Isophorone	1100		23.7	120	ug/Kg
88-75-5	2-Nitrophenol	1100		42.0	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1000		46.8	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		22.2	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		20.4	120	ug/Kg
91-20-3	Naphthalene	1100		16.4	120	ug/Kg
106-47-8	4-Chloroaniline	290		25.6	120	ug/Kg
87-68-3	Hexachlorobutadiene	1100		18.3	120	ug/Kg
105-60-2	Caprolactam	1100		37.6	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000		20.7	120	ug/Kg
91-57-6	2-Methylnaphthalene	1100		18.5	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1900	E	83.8	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		14.3	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		21.0	120	ug/Kg
92-52-4	1,1-Biphenyl	1100		15.7	120	ug/Kg
91-58-7	2-Chloronaphthalene	1100		16.3	120	ug/Kg
88-74-4	2-Nitroaniline	1100		34.7	120	ug/Kg
131-11-3	Dimethylphthalate	1100		19.6	120	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/29/25
Client Sample ID:	TP05-MHO-WCMS	SDG No.:	Q2176
Lab Sample ID:	Q2159-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83
Sample Wt/Vol:	50.04 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
BF142605.D	1	06/04/25 09:10	06/04/25 14:08	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1100		20.9	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		24.3	120	ug/Kg
99-09-2	3-Nitroaniline	510		33.2	120	ug/Kg
83-32-9	Acenaphthene	1200		15.4	120	ug/Kg
51-28-5	2,4-Dinitrophenol	2000	E	170	240	ug/Kg
100-02-7	4-Nitrophenol	2100	E	77.3	240	ug/Kg
132-64-9	Dibenzofuran	1100		16.4	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		36.2	120	ug/Kg
84-66-2	Diethylphthalate	1100		20.4	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		19.3	120	ug/Kg
86-73-7	Fluorene	1100		18.3	120	ug/Kg
100-01-6	4-Nitroaniline	1000		46.4	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		74.4	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		23.8	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		20.1	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		18.3	120	ug/Kg
1912-24-9	Atrazine	1300		24.6	120	ug/Kg
87-86-5	Pentachlorophenol	2100	E	37.1	240	ug/Kg
85-01-8	Phenanthrene	1100		15.1	120	ug/Kg
120-12-7	Anthracene	1100		24.1	120	ug/Kg
86-74-8	Carbazole	1100		22.5	120	ug/Kg
84-74-2	Di-n-butylphthalate	1200		34.6	120	ug/Kg
206-44-0	Fluoranthene	1100		21.7	120	ug/Kg
129-00-0	Pyrene	840		26.0	120	ug/Kg
85-68-7	Butylbenzylphthalate	1200		51.6	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	630		26.5	240	ug/Kg
56-55-3	Benzo(a)anthracene	1100		16.6	120	ug/Kg
218-01-9	Chrysene	1100		14.4	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		42.8	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		62.7	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		13.7	120	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/29/25
Client Sample ID:	TP05-MHO-WCMS	SDG No.:	Q2176
Lab Sample ID:	Q2159-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83
Sample Wt/Vol:	50.04 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
BF142605.D	1	06/04/25 09:10	06/04/25 14:08	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1100		16.2	120	ug/Kg
50-32-8	Benzo(a)pyrene	1100		21.3	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	930		21.0	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	930		19.8	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	860		18.6	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		18.5	120	ug/Kg
123-91-1	1,4-Dioxane	1000		32.6	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		19.8	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	74.7		18 - 112	50%	SPK: 150
13127-88-3	Phenol-d6	76.0		15 - 107	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.4		18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.5		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	69.8		10 - 116	47%	SPK: 150
1718-51-0	Terphenyl-d14	35.2		10 - 105	35%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	120000	6.898			
1146-65-2	Naphthalene-d8	441000	8.181			
15067-26-2	Acenaphthene-d10	219000	9.939			
1517-22-2	Phenanthrene-d10	322000	11.428			
1719-03-5	Chrysene-d12	216000	14.069			
1520-96-3	Perylene-d12	273000	15.563			

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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/29/25
Client Sample ID:	TP05-MHO-WCMSD	SDG No.:	Q2176
Lab Sample ID:	Q2159-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83
Sample Wt/Vol:	50.02 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
BF142606.D	1	06/04/25 09:10	06/04/25 14:38	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	840		110	240	ug/Kg
108-95-2	Phenol	990		16.0	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		17.6	120	ug/Kg
95-57-8	2-Chlorophenol	1000		17.6	120	ug/Kg
95-48-7	2-Methylphenol	1000		21.6	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		27.1	120	ug/Kg
98-86-2	Acetophenone	1000		21.3	120	ug/Kg
65794-96-9	3+4-Methylphenols	960		29.7	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	950		34.3	57.8	ug/Kg
67-72-1	Hexachloroethane	1000		12.7	120	ug/Kg
98-95-3	Nitrobenzene	1100		13.2	120	ug/Kg
78-59-1	Isophorone	1000		23.7	120	ug/Kg
88-75-5	2-Nitrophenol	1100		42.1	120	ug/Kg
105-67-9	2,4-Dimethylphenol	980		46.8	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000		22.3	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		20.4	120	ug/Kg
91-20-3	Naphthalene	1000		16.4	120	ug/Kg
106-47-8	4-Chloroaniline	240		25.6	120	ug/Kg
87-68-3	Hexachlorobutadiene	1000		18.3	120	ug/Kg
105-60-2	Caprolactam	1100		37.6	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	970		20.7	120	ug/Kg
91-57-6	2-Methylnaphthalene	1000		18.5	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1900		83.8	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		14.3	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		21.0	120	ug/Kg
92-52-4	1,1-Biphenyl	1100		15.8	120	ug/Kg
91-58-7	2-Chloronaphthalene	1100		16.3	120	ug/Kg
88-74-4	2-Nitroaniline	1100		34.8	120	ug/Kg
131-11-3	Dimethylphthalate	1100		19.6	120	ug/Kg

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/29/25
Client Sample ID:	TP05-MHO-WCMSD	SDG No.:	Q2176
Lab Sample ID:	Q2159-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83
Sample Wt/Vol:	50.02 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
BF142606.D	1	06/04/25 09:10	06/04/25 14:38	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1100		20.9	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		24.3	120	ug/Kg
99-09-2	3-Nitroaniline	480		33.2	120	ug/Kg
83-32-9	Acenaphthene	1100		15.4	120	ug/Kg
51-28-5	2,4-Dinitrophenol	1900		170	240	ug/Kg
100-02-7	4-Nitrophenol	1900		77.3	240	ug/Kg
132-64-9	Dibenzofuran	1000		16.4	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		36.2	120	ug/Kg
84-66-2	Diethylphthalate	1000		20.4	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000		19.3	120	ug/Kg
86-73-7	Fluorene	1000		18.3	120	ug/Kg
100-01-6	4-Nitroaniline	940		46.4	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		74.4	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		23.8	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		20.1	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		18.3	120	ug/Kg
1912-24-9	Atrazine	1200		24.6	120	ug/Kg
87-86-5	Pentachlorophenol	2000	E	37.1	240	ug/Kg
85-01-8	Phenanthrene	1100		15.1	120	ug/Kg
120-12-7	Anthracene	1100		24.1	120	ug/Kg
86-74-8	Carbazole	1100		22.5	120	ug/Kg
84-74-2	Di-n-butylphthalate	1200		34.6	120	ug/Kg
206-44-0	Fluoranthene	1000		21.7	120	ug/Kg
129-00-0	Pyrene	780		26.0	120	ug/Kg
85-68-7	Butylbenzylphthalate	1100		51.6	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	660		26.5	240	ug/Kg
56-55-3	Benzo(a)anthracene	1100		16.6	120	ug/Kg
218-01-9	Chrysene	1100		14.4	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		42.8	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		62.7	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		13.7	120	ug/Kg

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/29/25
Client Sample ID:	TP05-MHO-WCMSD	SDG No.:	Q2176
Lab Sample ID:	Q2159-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83
Sample Wt/Vol:	50.02 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
BF142606.D	1	06/04/25 09:10	06/04/25 14:38	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1100		16.2	120	ug/Kg
50-32-8	Benzo(a)pyrene	1100		21.3	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	870		21.0	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	890		19.8	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	800		18.6	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		18.5	120	ug/Kg
123-91-1	1,4-Dioxane	970		32.7	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	980		19.8	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	72.4		18 - 112	48%	SPK: 150
13127-88-3	Phenol-d6	72.8		15 - 107	49%	SPK: 150
4165-60-0	Nitrobenzene-d5	45.8		18 - 107	46%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.1		20 - 109	45%	SPK: 100
118-79-6	2,4,6-Tribromophenol	65.3		10 - 116	44%	SPK: 150
1718-51-0	Terphenyl-d14	32.4		10 - 105	32%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	117000	6.898			
1146-65-2	Naphthalene-d8	430000	8.181			
15067-26-2	Acenaphthene-d10	207000	9.939			
1517-22-2	Phenanthrene-d10	290000	11.421			
1719-03-5	Chrysene-d12	208000	14.068			
1520-96-3	Perylene-d12	275000	15.562			

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

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061125.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jun 11 05:56:09 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF142712.D 5.0 =BF142713.D 10 =BF142714.D 20 =BF142715.D 40 =BF142716.D 50 =BF142717.D 60 =BF142718.D 80 =BF1427
19.D

		Compound	2.5	5.0	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.499	0.448	0.472	0.455	0.481	0.460	0.439	0.465	4.40
3)		Pyridine		1.172	1.129	1.159	1.160	1.222	1.193	1.122	1.165	3.00
4)		n-Nitrosodimet...			0.558	0.590	0.591	0.633	0.617	0.588	0.596	4.36
5)	S	2-Fluorophenol		1.238	1.170	1.199	1.161	1.220	1.156	1.075	1.174	4.55
6)		Aniline		1.866	1.788	1.894	1.848	1.955	1.861	1.736	1.850	3.83
7)	S	Phenol-d6		1.434	1.339	1.400	1.376	1.446	1.377	1.302	1.382	3.67
8)		2-Chlorophenol		1.288	1.254	1.300	1.290	1.347	1.286	1.219	1.283	3.09
9)		Benzaldehyde			0.943	0.950	0.839	0.839	0.708		0.856	11.52
10)	C	Phenol		1.550	1.503	1.577	1.522	1.607	1.547	1.446	1.536	3.42
11)		bis(2-Chloroet...		1.222	1.118	1.149	1.130	1.202	1.131	1.079	1.147	4.29
12)		1,3-Dichlorobe...		1.557	1.483	1.504	1.451	1.513	1.411	1.333	1.465	5.08
13)	C	1,4-Dichlorobe...		1.596	1.483	1.519	1.454	1.528	1.431	1.349	1.480	5.34
14)		1,2-Dichlorobe...		1.554	1.418	1.444	1.401	1.457	1.375	1.282	1.419	5.83
15)		Benzyl Alcohol			0.970	1.049	1.059	1.121	1.061	1.007	1.045	4.95
16)		2,2'-oxybis(1-...		1.957	1.812	1.840	1.806	1.875	1.746	1.609	1.806	6.03
17)		2-Methylphenol		0.978	0.950	0.995	0.992	1.043	0.995	0.933	0.984	3.61
18)		Hexachloroethane		0.562	0.521	0.545	0.524	0.552	0.522	0.488	0.530	4.69
19)	P	n-Nitroso-di-n...	0.885	0.912	0.870	0.886	0.878	0.921	0.863	0.823	0.880	3.43
20)		3+4-Methylphenols			1.261	1.285	1.246	1.299	1.218	1.134	1.240	4.80
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.475	0.451	0.458	0.435	0.454	0.433	0.408	0.445	4.79
23)	S	Nitrobenzene-d5		0.381	0.363	0.369	0.358	0.378	0.363	0.346	0.365	3.24
24)		Nitrobenzene		0.338	0.313	0.326	0.320	0.335	0.327	0.312	0.324	3.10
25)		Isophorone		0.657	0.621	0.628	0.603	0.630	0.606	0.585	0.619	3.77
26)	C	2-Nitrophenol		0.172	0.174	0.183	0.181	0.192	0.187	0.178	0.181	3.92
27)		2,4-Dimethylph...		0.318	0.303	0.311	0.304	0.321	0.308	0.292	0.308	3.14
28)		bis(2-Chloroet...		0.408	0.381	0.392	0.377	0.397	0.378	0.356	0.384	4.31
29)	C	2,4-Dichloroph...		0.284	0.281	0.292	0.280	0.300	0.285	0.269	0.284	3.51
30)		1,2,4-Trichlor...		0.337	0.313	0.322	0.306	0.322	0.307	0.294	0.314	4.42
31)		Naphthalene		1.065	0.997	1.021	0.972	1.008	0.958	0.903	0.989	5.20
32)		Benzoic acid			0.137	0.162	0.174	0.192	0.190	0.186	0.174	12.16
33)		4-Chloroaniline		0.429	0.389	0.399	0.399	0.408	0.386	0.370	0.397	4.68
34)	C	Hexachlorobuta...		0.210	0.204	0.206	0.197	0.205	0.196	0.184	0.200	4.41
35)		Caprolactam			0.077	0.079	0.075	0.079	0.077	0.074	0.077	2.82
36)	C	4-Chloro-3-met...		0.317	0.299	0.303	0.289	0.301	0.287	0.273	0.296	4.76
37)		2-Methylnaphth...		0.674	0.649	0.641	0.618	0.636	0.599	0.565	0.626	5.72
38)		1-Methylnaphth...		0.727	0.666	0.669	0.629	0.650	0.619	0.580	0.649	7.16

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061125.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.585	0.592	0.589	0.568	0.618	0.570	0.531	0.579	4.64
41)	P	Hexachlorocycl...		0.297	0.348	0.375	0.414	0.400	0.396	0.372	11.64
42)	S	2,4,6-Tribromo...	0.236	0.223	0.224	0.213	0.226	0.210	0.202	0.219	5.28
43)	C	2,4,6-Trichlor...	0.349	0.373	0.383	0.373	0.405	0.380	0.359	0.375	4.79
44)		2,4,5-Trichlor...	0.404	0.404	0.413	0.400	0.431	0.399	0.383	0.405	3.61
45)	S	2-Fluorobiphenyl	1.690	1.610	1.569	1.444	1.535	1.402	1.289	1.505	9.04
46)		1,1'-Biphenyl	1.630	1.617	1.587	1.506	1.622	1.500	1.409	1.553	5.39
47)		2-Chloronaphth...	1.190	1.172	1.178	1.117	1.197	1.108	1.047	1.144	4.82
48)		2-Nitroaniline	0.320	0.321	0.333	0.323	0.345	0.325	0.311	0.325	3.38
49)		Acenaphthylene	2.053	1.986	2.003	1.881	1.991	1.847	1.744	1.929	5.65
50)		Dimethylphthalate	1.444	1.368	1.359	1.291	1.379	1.273	1.234	1.336	5.42
51)		2,6-Dinitrotol...	0.307	0.283	0.295	0.285	0.299	0.283	0.268	0.289	4.49
52)	C	Acenaphthene	1.266	1.222	1.224	1.170	1.237	1.155	1.099	1.196	4.80
53)		3-Nitroaniline	0.334	0.313	0.316	0.307	0.322	0.304	0.295	0.313	4.08
54)	P	2,4-Dinitrophenol		0.123	0.154	0.157	0.176	0.170	0.169	0.158	12.18
55)		Dibenzofuran	1.855	1.777	1.783	1.643	1.741	1.607	1.517	1.703	6.93
56)	P	4-Nitrophenol		0.203	0.219	0.210	0.222	0.212	0.208	0.212	3.42
57)		2,4-Dinitrotol...	0.396	0.383	0.399	0.377	0.396	0.372	0.348	0.382	4.73
58)		Fluorene	1.547	1.429	1.397	1.279	1.357	1.240	1.167	1.345	9.49
59)		2,3,4,6-Tetrac...	0.364	0.339	0.357	0.327	0.354	0.332	0.311	0.340	5.58
60)		Diethylphthalate	1.508	1.392	1.372	1.256	1.332	1.246	1.164	1.324	8.55
61)		4-Chlorophenyl...	0.748	0.692	0.680	0.633	0.663	0.610	0.571	0.657	8.84
62)		4-Nitroaniline	0.297	0.281	0.294	0.270	0.283	0.275	0.261	0.280	4.58
63)		Azobenzene	1.290	1.186	1.178	1.115	1.187	1.094	1.045	1.157	6.89
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.104	0.123	0.125	0.137	0.133	0.129	0.125	9.17
66)	c	n-Nitrosodiphe...	0.710	0.679	0.693	0.672	0.722	0.685	0.651	0.687	3.45
67)		4-Bromophenyl-...	0.240	0.229	0.238	0.231	0.252	0.236	0.227	0.236	3.52
68)		Hexachlorobenzene	0.270	0.261	0.263	0.255	0.275	0.260	0.251	0.262	3.17
69)		Atrazine	0.185	0.174	0.188	0.179	0.191	0.188	0.178	0.183	3.33
70)	C	Pentachlorophenol		0.118	0.133	0.139	0.148	0.144	0.142	0.137	7.80
71)		Phenanthrene	1.165	1.100	1.094	1.036	1.091	1.035	0.978	1.071	5.61
72)		Anthracene	1.203	1.145	1.140	1.064	1.132	1.072	1.004	1.108	5.96
73)		Carbazole	1.003	0.960	0.968	0.898	0.931	0.903	0.832	0.928	6.07
74)		Di-n-butylphth...	1.105	1.048	1.072	1.005	1.053	1.017	0.953	1.036	4.76
75)	C	Fluoranthene	1.184	1.083	1.081	0.965	0.988	0.953	0.878	1.019	10.08
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.711	0.772	0.799	0.754	0.684	0.553	0.712	12.40
78)		Pyrene	2.014	1.918	1.928	1.883	1.878	1.753	1.635	1.859	6.75
79)	S	Terphenyl-d14	1.609	1.562	1.556	1.462	1.430	1.327	1.247	1.456	9.11
80)		Butylbenzylpht...	0.435	0.486	0.526	0.581	0.626	0.605	0.588	0.550	12.67
81)		Benzo(a)anthra...	1.367	1.273	1.284	1.350	1.400	1.340	1.263	1.325	3.94
82)		3,3'-Dichlorob...		0.370	0.403	0.442	0.473	0.459	0.418	0.427	8.88
83)		Chrysene	1.298	1.208	1.245	1.172	1.250	1.222	1.170	1.224	3.72
84)		Bis(2-ethylhex...	0.616	0.709	0.756	0.895	0.977	0.926	0.896	0.825	16.02
85)	c	Di-n-octyl pht...		1.284	1.385	1.677	1.816	1.680	1.654	1.582	12.84

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061125.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.438	1.406	1.458	1.498	1.602	1.514	1.460	1.482	4.31
88)		Benzo(b)fluora...	1.256	1.094	1.112	1.162	1.230	1.251	1.139	1.178	5.71
89)		Benzo(k)fluora...	1.236	1.178	1.245	1.076	1.189	1.035	1.039	1.143	7.94
90)	C	Benzo(a)pyrene	1.164	1.085	1.122	1.104	1.184	1.111	1.068	1.120	3.70
91)		Dibenzo(a,h)an...	1.134	1.176	1.214	1.236	1.318	1.222	1.172	1.210	4.87
92)		Benzo(g,h,i)pe...	1.201	1.164	1.178	1.216	1.295	1.207	1.163	1.203	3.77

(#) = Out of Range

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jun 06 16:20:27 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP024860.D 5 =BP024861.D 10 =BP024862.D 20 =BP024863.D 40 =BP024864.D 50 =BP024865.D 60 =BP024866.D 80 =BP0248
67.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.564	0.529	0.524	0.495	0.546	0.515	0.517	0.527	4.21
3)		Pyridine		1.151	1.183	1.265	1.226	1.370	1.367	1.315	1.268	6.84
4)		n-Nitrosodimet...			0.478	0.509	0.502	0.542	0.554	0.525	0.518	5.36
5)	S	2-Fluorophenol		1.127	1.139	1.207	1.163	1.283	1.253	1.215	1.198	4.85
6)		Aniline		1.917	1.892	2.016	1.978	2.145	2.182	2.031	2.023	5.37
7)	S	Phenol-d6		1.507	1.528	1.588	1.545	1.676	1.689	1.564	1.585	4.49
8)		2-Chlorophenol		1.336	1.290	1.346	1.314	1.453	1.422	1.348	1.358	4.29
9)		Benzaldehyde			1.038	1.071	0.873	0.985	0.869	0.646	0.914	16.98
10)	C	Phenol		1.560	1.564	1.616	1.587	1.725	1.759	1.629	1.634	4.78
11)		bis(2-Chloroet...		1.222	1.277	1.334	1.234	1.363	1.322	1.246	1.285	4.26
12)		1,3-Dichlorobe...		1.570	1.515	1.537	1.425	1.571	1.519	1.471	1.515	3.49
13)	C	1,4-Dichlorobe...		1.596	1.507	1.535	1.439	1.604	1.534	1.488	1.529	3.82
14)		1,2-Dichlorobe...		1.529	1.637	1.488	1.401	1.540	1.492	1.422	1.501	5.25
15)		Benzyl Alcohol			1.137	1.185	1.170	1.289	1.309	1.211	1.217	5.63
16)		2,2'-oxybis(1-...		1.748	1.732	1.722	1.583	1.751	1.667	1.574	1.682	4.54
17)		2-Methylphenol		1.053	1.149	1.138	1.106	1.210	1.211	1.121	1.141	4.94
18)		Hexachloroethane		0.591	0.565	0.581	0.545	0.611	0.574	0.562	0.576	3.73
19)	P	n-Nitroso-di-n...	0.984	1.101	1.105	1.107	1.043	1.141	1.113	1.029	1.078	4.93
20)		3+4-Methylphenols			1.507	1.548	1.493	1.631	1.648	1.515	1.557	4.29
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.506	0.521	0.511	0.491	0.535	0.510	0.463	0.505	4.58
23)	S	Nitrobenzene-d5		0.407	0.397	0.423	0.404	0.444	0.423	0.383	0.412	4.89
24)		Nitrobenzene		0.366	0.351	0.375	0.360	0.392	0.376	0.339	0.366	4.81
25)		Isophorone		0.704	0.678	0.724	0.694	0.764	0.726	0.704	0.713	3.91
26)	C	2-Nitrophenol		0.154	0.157	0.178	0.180	0.201	0.195	0.198	0.180	10.62
27)		2,4-Dimethylph...		0.294	0.286	0.310	0.303	0.331	0.320	0.318	0.309	5.12
28)		bis(2-Chloroet...		0.414	0.408	0.438	0.414	0.465	0.423	0.416	0.426	4.70
29)	C	2,4-Dichloroph...		0.246	0.272	0.300	0.292	0.327	0.313	0.323	0.296	9.81
30)		1,2,4-Trichlor...		0.335	0.319	0.335	0.317	0.352	0.330	0.351	0.334	4.16
31)		Naphthalene		1.071	1.022	1.044	0.989	1.079	1.035	0.935	1.025	4.86
32)		Benzoic acid			0.159	0.181	0.204	0.230	0.235	0.243	0.209	16.01
33)		4-Chloroaniline		0.397	0.401	0.435	0.426	0.471	0.463	0.414	0.429	6.72
34)	C	Hexachlorobuta...		0.203	0.199	0.208	0.194	0.218	0.198	0.189	0.201	4.76
35)		Caprolactam			0.098	0.109	0.110	0.118	0.116	0.104	0.109	6.91
36)	C	4-Chloro-3-met...		0.312	0.322	0.351	0.341	0.374	0.363	0.329	0.342	6.58
37)		2-Methylnaphth...		0.659	0.638	0.659	0.633	0.696	0.664	0.602	0.650	4.54
38)		1-Methylnaphth...		0.720	0.680	0.718	0.671	0.741	0.693	0.643	0.695	4.86

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP060625.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.568	0.561	0.568	0.538	0.601	0.574	0.562	0.568	3.31
41)	P	Hexachlorocycl...		0.259	0.315	0.337	0.404	0.369	0.394	0.346	15.74
42)	S	2,4,6-Tribromo...	0.256	0.264	0.279	0.267	0.298	0.286	0.285	0.277	5.26
43)	C	2,4,6-Trichlor...	0.342	0.352	0.386	0.375	0.411	0.404	0.396	0.381	6.86
44)		2,4,5-Trichlor...	0.349	0.379	0.414	0.405	0.448	0.436	0.426	0.408	8.44
45)	S	2-Fluorobiphenyl	1.542	1.507	1.517	1.390	1.563	1.464	1.409	1.485	4.44
46)		1,1'-Biphenyl	1.477	1.456	1.485	1.386	1.509	1.458	1.403	1.453	3.05
47)		2-Chloronaphth...	1.123	1.104	1.135	1.069	1.171	1.136	1.081	1.117	3.16
48)		2-Nitroaniline	0.289	0.324	0.344	0.346	0.371	0.374	0.355	0.343	8.59
49)		Acenaphthylene	1.880	1.851	1.892	1.768	1.939	1.904	1.805	1.863	3.19
50)		Dimethylphthalate	1.515	1.450	1.501	1.400	1.550	1.473	1.438	1.475	3.45
51)		2,6-Dinitrotol...	0.299	0.301	0.326	0.312	0.339	0.333	0.317	0.318	4.86
52)	C	Acenaphthene	1.106	1.064	1.090	1.020	1.087	1.069	1.036	1.067	2.86
53)		3-Nitroaniline	0.263	0.292	0.337	0.338	0.367	0.364	0.349	0.330	11.74
54)	P	2,4-Dinitrophenol		0.117	0.155	0.179	0.203	0.208	0.205	0.178	20.23
55)		Dibenzofuran	1.815	1.721	1.756	1.627	1.757	1.702	1.615	1.713	4.22
56)	P	4-Nitrophenol		0.142	0.213	0.248	0.276	0.281	0.275	0.239	22.62
57)		2,4-Dinitrotol...	0.390	0.416	0.457	0.437	0.487	0.470	0.458	0.445	7.45
58)		Fluorene	1.437	1.394	1.420	1.304	1.434	1.370	1.329	1.384	3.77
59)		2,3,4,6-Tetrac...	0.343	0.350	0.360	0.354	0.395	0.381	0.370	0.365	5.04
60)		Diethylphthalate	1.501	1.474	1.487	1.393	1.545	1.444	1.449	1.470	3.27
61)		4-Chlorophenyl...	0.711	0.668	0.689	0.637	0.709	0.665	0.658	0.677	4.06
62)		4-Nitroaniline	0.239	0.235	0.307	0.311	0.336	0.333	0.334	0.299	14.69
63)		Azobenzene	1.346	1.334	1.394	1.300	1.425	1.335	1.307	1.349	3.37
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.102	0.125	0.130	0.147	0.143	0.142	0.131	12.78
66)	c	n-Nitrosodiphe...	0.627	0.608	0.633	0.597	0.659	0.622	0.594	0.620	3.68
67)		4-Bromophenyl-...	0.224	0.215	0.226	0.213	0.246	0.229	0.226	0.226	4.83
68)		Hexachlorobenzene	0.278	0.268	0.272	0.260	0.290	0.275	0.272	0.274	3.31
69)		Atrazine	0.213	0.212	0.231	0.217	0.244	0.228	0.228	0.225	5.16
70)	C	Pentachlorophenol		0.105	0.131	0.139	0.162	0.153	0.159	0.142	15.21
71)		Phenanthrene	1.158	1.108	1.110	1.056	1.161	1.102	1.041	1.105	4.12
72)		Anthracene	1.129	1.093	1.137	1.072	1.188	1.133	1.083	1.119	3.58
73)		Carbazole	1.023	1.013	1.057	0.998	1.112	1.052	1.007	1.038	3.83
74)		Di-n-butylphth...	1.178	1.245	1.326	1.272	1.421	1.273	1.284	1.285	5.81
75)	C	Fluoranthene	1.300	1.287	1.307	1.223	1.344	1.268	1.238	1.281	3.25
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.512	0.669	0.653	0.690	0.663	0.529	0.619	12.54
78)		Pyrene	1.307	1.195	1.261	1.184	1.322	1.272	1.206	1.249	4.41
79)	S	Terphenyl-d14	1.178	1.073	1.146	1.089	1.164	1.120	1.039	1.116	4.57
80)		Butylbenzylpht...	0.508	0.529	0.581	0.561	0.641	0.596	0.589	0.572	7.74
81)		Benzo(a)anthra...	1.312	1.234	1.288	1.219	1.347	1.310	1.243	1.279	3.73
82)		3,3'-Dichlorob...		0.468	0.513	0.493	0.542	0.531	0.501	0.508	5.29
83)		Chrysene	1.252	1.174	1.229	1.144	1.279	1.238	1.168	1.212	4.13
84)		Bis(2-ethylhex...	0.715	0.780	0.846	0.797	0.921	0.831	0.850	0.820	7.87
85)	c	Di-n-octyl pht...		1.320	1.438	1.384	1.587	1.470	1.473	1.445	6.25

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
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86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.427	1.402	1.469	1.412	1.559	1.510	1.436	1.459	3.92
88)		Benzo(b)fluora...	1.103	1.104	1.133	1.127	1.232	1.180	1.133	1.145	4.06
89)		Benzo(k)fluora...	1.165	1.144	1.180	1.106	1.259	1.158	1.144	1.165	4.05
90)	C	Benzo(a)pyrene	1.096	1.069	1.127	1.070	1.214	1.136	1.113	1.118	4.46
91)		Dibenzo(a,h)an...	1.151	1.143	1.202	1.143	1.279	1.224	1.172	1.188	4.25
92)		Benzo(g,h,i)pe...	1.172	1.127	1.183	1.136	1.261	1.214	1.157	1.179	3.95

(#) = Out of Range

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

Instrument ID: BNA_F Calibration Date/Time: 06/04/2025 12:27

Lab File ID: BF142602.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	1.156		-2.6	
Benzaldehyde	0.859	0.791		-7.9	
Phenol-d6	1.429	1.374		-3.8	
Phenol	1.608	1.544		-4.0	20.0
bis(2-Chloroethyl)ether	1.157	1.116		-3.5	
2-Chlorophenol	1.293	1.243		-3.9	
2-Methylphenol	1.010	0.963		-4.7	
2,2-oxybis(1-Chloropropane)	1.944	1.855		-4.6	
Acetophenone	0.443	0.408		-7.9	
3+4-Methylphenols	1.293	1.188		-8.1	
n-Nitroso-di-n-propylamine	0.886	0.792	0.050	-10.6	
Nitrobenzene-d5	0.367	0.346		-5.7	
Hexachloroethane	0.507	0.474		-6.5	
Nitrobenzene	0.331	0.315		-4.8	
Isophorone	0.613	0.561		-8.5	
2-Nitrophenol	0.177	0.169		-4.5	20.0
2,4-Dimethylphenol	0.312	0.296		-5.1	
bis(2-Chloroethoxy)methane	0.383	0.360		-6.0	
2,4-Dichlorophenol	0.283	0.274		-3.2	20.0
Naphthalene	0.985	0.937		-4.9	
4-Chloroaniline	0.399	0.381		-4.5	
Hexachlorobutadiene	0.192	0.178		-7.3	20.0
Caprolactam	0.080	0.075		-6.3	
4-Chloro-3-methylphenol	0.291	0.269		-7.6	20.0
2-Methylnaphthalene	0.620	0.571		-7.9	
Hexachlorocyclopentadiene	0.387	0.343	0.050	-11.4	
2,4,6-Trichlorophenol	0.387	0.373		-3.6	20.0
2-Fluorobiphenyl	1.490	1.357		-8.9	
2,4,5-Trichlorophenol	0.408	0.387		-5.1	
1,1-Biphenyl	1.552	1.460		-5.9	
2-Chloronaphthalene	1.146	1.090		-4.9	
2-Nitroaniline	0.331	0.319		-3.6	
Dimethylphthalate	1.320	1.228		-7.0	
Acenaphthylene	1.936	1.834		-5.3	
2,6-Dinitrotoluene	0.285	0.272		-4.6	
3-Nitroaniline	0.311	0.305		-1.9	
Acenaphthene	1.182	1.107		-6.3	20.0
2,4-Dinitrophenol	0.147	0.132	0.050	-10.2	
4-Nitrophenol	0.230	0.211	0.050	-8.3	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

Instrument ID: BNA_F Calibration Date/Time: 06/04/2025 12:27

Lab File ID: BF142602.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	1.600		-5.9	
2,4-Dinitrotoluene	0.372	0.358		-3.8	
Diethylphthalate	1.289	1.171		-9.2	
4-Chlorophenyl-phenylether	0.646	0.593		-8.2	
Fluorene	1.314	1.236		-5.9	
4-Nitroaniline	0.282	0.275		-2.5	
4,6-Dinitro-2-methylphenol	0.112	0.111		-0.9	
n-Nitrosodiphenylamine	0.684	0.648		-5.3	20.0
2,4,6-Tribromophenol	0.222	0.201		-9.5	
4-Bromophenyl-phenylether	0.236	0.221		-6.4	
Hexachlorobenzene	0.262	0.247		-5.7	
Atrazine	0.182	0.171		-6.0	
Pentachlorophenol	0.148	0.133		-10.1	20.0
Phenanthrene	1.069	1.000		-6.5	
Anthracene	1.091	1.035		-5.1	
Carbazole	0.933	0.886		-5.0	
Di-n-butylphthalate	1.021	0.914		-10.5	
Fluoranthene	0.999	0.923		-7.6	20.0
Pyrene	1.866	1.749		-6.3	
Terphenyl-d14	1.464	1.299		-11.3	
Butylbenzylphthalate	0.516	0.522		1.2	
3,3-Dichlorobenzidine	0.405	0.435		7.4	
Benzo(a)anthracene	1.336	1.239		-7.3	
Chrysene	1.200	1.139		-5.1	
Bis(2-ethylhexyl)phthalate	0.660	0.755		14.4	
Di-n-octyl phthalate	1.290	1.401		8.6	20.0
Benzo(b)fluoranthene	1.184	1.206		1.9	
Benzo(k)fluoranthene	1.109	0.924		-16.7	
Benzo(a)pyrene	1.116	1.062		-4.8	20.0
Indeno(1,2,3-cd)pyrene	1.501	1.347		-10.3	
Dibenzo(a,h)anthracene	1.218	1.086		-10.8	
Benzo(g,h,i)perylene	1.218	1.074		-11.8	
1,2,4,5-Tetrachlorobenzene	0.574	0.556		-3.1	
1,4-Dioxane	0.475	0.476		0.2	20.0
2,3,4,6-Tetrachlorophenol	0.341	0.321		-5.9	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

Instrument ID: BNA_F Calibration Date/Time: 06/06/2025 11:36

Lab File ID: BF142640.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	1.121		-5.6	
Benzaldehyde	0.859	0.766		-10.8	
Phenol-d6	1.429	1.356		-5.1	
Phenol	1.608	1.531		-4.8	20.0
bis(2-Chloroethyl)ether	1.157	1.138		-1.6	
2-Chlorophenol	1.293	1.241		-4.0	
2-Methylphenol	1.010	0.964		-4.6	
2,2-oxybis(1-Chloropropane)	1.944	1.880		-3.3	
Acetophenone	0.443	0.410		-7.4	
3+4-Methylphenols	1.293	1.177		-9.0	
n-Nitroso-di-n-propylamine	0.886	0.812	0.050	-8.4	
Nitrobenzene-d5	0.367	0.343		-6.5	
Hexachloroethane	0.507	0.489		-3.5	
Nitrobenzene	0.331	0.311		-6.0	
Isophorone	0.613	0.566		-7.7	
2-Nitrophenol	0.177	0.174		-1.7	20.0
2,4-Dimethylphenol	0.312	0.292		-6.4	
bis(2-Chloroethoxy)methane	0.383	0.361		-5.7	
2,4-Dichlorophenol	0.283	0.273		-3.5	20.0
Naphthalene	0.985	0.926		-6.0	
4-Chloroaniline	0.399	0.381		-4.5	
Hexachlorobutadiene	0.192	0.181		-5.7	20.0
Caprolactam	0.080	0.071		-11.3	
4-Chloro-3-methylphenol	0.291	0.262		-10.0	20.0
2-Methylnaphthalene	0.620	0.577		-6.9	
Hexachlorocyclopentadiene	0.387	0.355	0.050	-8.3	
2,4,6-Trichlorophenol	0.387	0.375		-3.1	20.0
2-Fluorobiphenyl	1.490	1.353		-9.2	
2,4,5-Trichlorophenol	0.408	0.381		-6.6	
1,1-Biphenyl	1.552	1.469		-5.3	
2-Chloronaphthalene	1.146	1.112		-3.0	
2-Nitroaniline	0.331	0.307		-7.3	
Dimethylphthalate	1.320	1.176		-10.9	
Acenaphthylene	1.936	1.812		-6.4	
2,6-Dinitrotoluene	0.285	0.258		-9.5	
3-Nitroaniline	0.311	0.273		-12.2	
Acenaphthene	1.182	1.087		-8.0	20.0
2,4-Dinitrophenol	0.147	0.127	0.050	-13.6	
4-Nitrophenol	0.230	0.182	0.050	-20.9	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

Instrument ID: BNA_F Calibration Date/Time: 06/06/2025 11:36

Lab File ID: BF142640.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	1.563		-8.1	
2,4-Dinitrotoluene	0.372	0.330		-11.3	
Diethylphthalate	1.289	1.095		-15.1	
4-Chlorophenyl-phenylether	0.646	0.584		-9.6	
Fluorene	1.314	1.186		-9.7	
4-Nitroaniline	0.282	0.233		-17.4	
4,6-Dinitro-2-methylphenol	0.112	0.113		0.9	
n-Nitrosodiphenylamine	0.684	0.680		-0.6	20.0
2,4,6-Tribromophenol	0.222	0.192		-13.5	
4-Bromophenyl-phenylether	0.236	0.239		1.3	
Hexachlorobenzene	0.262	0.263		0.4	
Atrazine	0.182	0.168		-7.7	
Pentachlorophenol	0.148	0.135		-8.8	20.0
Phenanthrene	1.069	1.013		-5.2	
Anthracene	1.091	1.048		-3.9	
Carbazole	0.933	0.847		-9.2	
Di-n-butylphthalate	1.021	0.903		-11.6	
Fluoranthene	0.999	0.880		-11.9	20.0
Pyrene	1.866	1.563		-16.2	
Terphenyl-d14	1.464	1.196		-18.3	
Butylbenzylphthalate	0.516	0.527		2.1	
3,3-Dichlorobenzidine	0.405	0.465		14.8	
Benzo(a)anthracene	1.336	1.219		-8.8	
Chrysene	1.200	1.183		-1.4	
Bis(2-ethylhexyl)phthalate	0.660	0.831		25.9	
Di-n-octyl phthalate	1.290	1.594		23.6	20.0
Benzo(b)fluoranthene	1.184	1.106		-6.6	
Benzo(k)fluoranthene	1.109	0.999		-9.9	
Benzo(a)pyrene	1.116	1.052		-5.7	20.0
Indeno(1,2,3-cd)pyrene	1.501	1.380		-8.1	
Dibenzo(a,h)anthracene	1.218	1.119		-8.1	
Benzo(g,h,i)perylene	1.218	1.111		-8.8	
1,2,4,5-Tetrachlorobenzene	0.574	0.558		-2.8	
1,4-Dioxane	0.475	0.477		0.4	20.0
2,3,4,6-Tetrachlorophenol	0.341	0.306		-10.3	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

Instrument ID: BNA_F Calibration Date/Time: 06/11/2025 09:24

Lab File ID: BF142723.D Init. Calib. Date(s): 06/10/2025 06/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:54 20:19

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.174	1.141		-2.8	
Benzaldehyde	0.856	0.818		-4.4	
Phenol-d6	1.382	1.367		-1.1	
Phenol	1.536	1.528		-0.5	20.0
bis(2-Chloroethyl)ether	1.147	1.136		-1.0	
2-Chlorophenol	1.283	1.259		-1.9	
2-Methylphenol	0.984	0.985		0.1	
2,2-oxybis(1-Chloropropane)	1.806	1.799		-0.4	
Acetophenone	0.445	0.431		-3.1	
3+4-Methylphenols	1.240	1.242		0.2	
n-Nitroso-di-n-propylamine	0.880	0.889	0.050	1.0	
Nitrobenzene-d5	0.365	0.358		-1.9	
Hexachloroethane	0.530	0.508		-4.2	
Nitrobenzene	0.324	0.320		-1.2	
Isophorone	0.619	0.614		-0.8	
2-Nitrophenol	0.181	0.182		0.6	20.0
2,4-Dimethylphenol	0.308	0.305		-1.0	
bis(2-Chloroethoxy)methane	0.384	0.380		-1.0	
2,4-Dichlorophenol	0.284	0.284		0.0	20.0
Naphthalene	0.989	0.976		-1.3	
4-Chloroaniline	0.397	0.399		0.5	
Hexachlorobutadiene	0.200	0.197		-1.5	20.0
Caprolactam	0.077	0.080		3.9	
4-Chloro-3-methylphenol	0.296	0.295		-0.3	20.0
2-Methylnaphthalene	0.626	0.619		-1.1	
Hexachlorocyclopentadiene	0.372	0.369	0.050	-0.8	
2,4,6-Trichlorophenol	0.375	0.381		1.6	20.0
2-Fluorobiphenyl	1.505	1.452		-3.5	
2,4,5-Trichlorophenol	0.405	0.395		-2.5	
1,1-Biphenyl	1.553	1.516		-2.4	
2-Chloronaphthalene	1.144	1.134		-0.9	
2-Nitroaniline	0.325	0.326		0.3	
Dimethylphthalate	1.336	1.325		-0.8	
Acenaphthylene	1.929	1.891		-2.0	
2,6-Dinitrotoluene	0.289	0.285		-1.4	
3-Nitroaniline	0.313	0.309		-1.3	
Acenaphthene	1.196	1.172		-2.0	20.0
2,4-Dinitrophenol	0.158	0.159	0.050	0.6	
4-Nitrophenol	0.212	0.215	0.050	1.4	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

Instrument ID: BNA_F Calibration Date/Time: 06/11/2025 09:24

Lab File ID: BF142723.D Init. Calib. Date(s): 06/10/2025 06/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:54 20:19

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.703	1.673		-1.8	
2,4-Dinitrotoluene	0.382	0.392		2.6	
Diethylphthalate	1.324	1.318		-0.5	
4-Chlorophenyl-phenylether	0.657	0.651		-0.9	
Fluorene	1.345	1.301		-3.3	
4-Nitroaniline	0.280	0.290		3.6	
4,6-Dinitro-2-methylphenol	0.125	0.125		0.0	
n-Nitrosodiphenylamine	0.687	0.667		-2.9	20.0
2,4,6-Tribromophenol	0.219	0.218		-0.5	
4-Bromophenyl-phenylether	0.236	0.233		-1.3	
Hexachlorobenzene	0.262	0.255		-2.7	
Atrazine	0.183	0.192		4.9	
Pentachlorophenol	0.137	0.138		0.7	20.0
Phenanthrene	1.071	1.043		-2.6	
Anthracene	1.108	1.070		-3.4	
Carbazole	0.928	0.921		-0.8	
Di-n-butylphthalate	1.036	1.101		6.3	
Fluoranthene	1.019	1.017		-0.2	20.0
Pyrene	1.859	1.904		2.4	
Terphenyl-d14	1.456	1.502		3.2	
Butylbenzylphthalate	0.550	0.589		7.1	
3,3-Dichlorobenzidine	0.427	0.407		-4.7	
Benzo(a)anthracene	1.325	1.330		0.4	
Chrysene	1.224	1.168		-4.6	
Bis(2-ethylhexyl)phthalate	0.825	0.821		-0.5	
Di-n-octyl phthalate	1.582	1.500		-5.2	20.0
Benzo(b)fluoranthene	1.178	1.192		1.2	
Benzo(k)fluoranthene	1.143	1.132		-1.0	
Benzo(a)pyrene	1.120	1.112		-0.7	20.0
Indeno(1,2,3-cd)pyrene	1.482	1.501		1.3	
Dibenzo(a,h)anthracene	1.210	1.240		2.5	
Benzo(g,h,i)perylene	1.203	1.196		-0.6	
1,2,4,5-Tetrachlorobenzene	0.579	0.567		-2.1	
1,4-Dioxane	0.465	0.450		-3.2	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.335		-1.5	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

Instrument ID: BNA_F Calibration Date/Time: 06/12/2025 09:50

Lab File ID: BF142748.D Init. Calib. Date(s): 06/10/2025 06/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:54 20:19

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.174	1.175		0.1	
Benzaldehyde	0.856	0.797		-6.9	
Phenol-d6	1.382	1.342		-2.9	
Phenol	1.536	1.497		-2.5	20.0
bis(2-Chloroethyl)ether	1.147	1.093		-4.7	
2-Chlorophenol	1.283	1.262		-1.6	
2-Methylphenol	0.984	0.951		-3.4	
2,2-oxybis(1-Chloropropane)	1.806	1.699		-5.9	
Acetophenone	0.445	0.432		-2.9	
3+4-Methylphenols	1.240	1.171		-5.6	
n-Nitroso-di-n-propylamine	0.880	0.795	0.050	-9.7	
Nitrobenzene-d5	0.365	0.362		-0.8	
Hexachloroethane	0.530	0.514		-3.0	
Nitrobenzene	0.324	0.324		0.0	
Isophorone	0.619	0.568		-8.2	
2-Nitrophenol	0.181	0.176		-2.8	20.0
2,4-Dimethylphenol	0.308	0.303		-1.6	
bis(2-Chloroethoxy)methane	0.384	0.365		-4.9	
2,4-Dichlorophenol	0.284	0.278		-2.1	20.0
Naphthalene	0.989	0.963		-2.6	
4-Chloroaniline	0.397	0.377		-5.0	
Hexachlorobutadiene	0.200	0.199		-0.5	20.0
Caprolactam	0.077	0.066		-14.3	
4-Chloro-3-methylphenol	0.296	0.272		-8.1	20.0
2-Methylnaphthalene	0.626	0.589		-5.9	
Hexachlorocyclopentadiene	0.372	0.359	0.050	-3.5	
2,4,6-Trichlorophenol	0.375	0.381		1.6	20.0
2-Fluorobiphenyl	1.505	1.507		0.1	
2,4,5-Trichlorophenol	0.405	0.402		-0.7	
1,1-Biphenyl	1.553	1.558		0.3	
2-Chloronaphthalene	1.144	1.155		1.0	
2-Nitroaniline	0.325	0.314		-3.4	
Dimethylphthalate	1.336	1.248		-6.6	
Acenaphthylene	1.929	1.913		-0.8	
2,6-Dinitrotoluene	0.289	0.266		-8.0	
3-Nitroaniline	0.313	0.290		-7.3	
Acenaphthene	1.196	1.155		-3.4	20.0
2,4-Dinitrophenol	0.158	0.125	0.050	-20.9	
4-Nitrophenol	0.212	0.185	0.050	-12.7	

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

Instrument ID: BNA_F Calibration Date/Time: 06/12/2025 09:50

Lab File ID: BF142748.D Init. Calib. Date(s): 06/10/2025 06/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:54 20:19

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.703	1.644		-3.5	
2,4-Dinitrotoluene	0.382	0.352		-7.9	
Diethylphthalate	1.324	1.176		-11.2	
4-Chlorophenyl-phenylether	0.657	0.619		-5.8	
Fluorene	1.345	1.257		-6.5	
4-Nitroaniline	0.280	0.254		-9.3	
4,6-Dinitro-2-methylphenol	0.125	0.114		-8.8	
n-Nitrosodiphenylamine	0.687	0.684		-0.4	20.0
2,4,6-Tribromophenol	0.219	0.199		-9.1	
4-Bromophenyl-phenylether	0.236	0.231		-2.1	
Hexachlorobenzene	0.262	0.254		-3.1	
Atrazine	0.183	0.167		-8.7	
Pentachlorophenol	0.137	0.127		-7.3	20.0
Phenanthrene	1.071	1.031		-3.7	
Anthracene	1.108	1.071		-3.3	
Carbazole	0.928	0.892		-3.9	
Di-n-butylphthalate	1.036	0.951		-8.2	
Fluoranthene	1.019	0.949		-6.9	20.0
Pyrene	1.859	1.594		-14.3	
Terphenyl-d14	1.456	1.245		-14.5	
Butylbenzylphthalate	0.550	0.566		2.9	
3,3-Dichlorobenzidine	0.427	0.465		8.9	
Benzo(a)anthracene	1.325	1.297		-2.1	
Chrysene	1.224	1.214		-0.8	
Bis(2-ethylhexyl)phthalate	0.825	0.883		7.0	
Di-n-octyl phthalate	1.582	1.645		4.0	20.0
Benzo(b)fluoranthene	1.178	1.089		-7.6	
Benzo(k)fluoranthene	1.143	1.134		-0.8	
Benzo(a)pyrene	1.120	1.094		-2.3	20.0
Indeno(1,2,3-cd)pyrene	1.482	1.417		-4.4	
Dibenzo(a,h)anthracene	1.210	1.148		-5.1	
Benzo(g,h,i)perylene	1.203	1.125		-6.5	
1,2,4,5-Tetrachlorobenzene	0.579	0.594		2.6	
1,4-Dioxane	0.465	0.477		2.6	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.314		-7.6	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

Instrument ID: BNA_P Calibration Date/Time: 06/10/2025 10:53

Lab File ID: BP024888.D Init. Calib. Date(s): 06/06/2025 06/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 15:18

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.198	1.199		0.1	
Benzaldehyde	0.914	0.959		4.9	
Phenol-d6	1.585	1.573		-0.8	
Phenol	1.634	1.630		-0.2	20.0
bis(2-Chloroethyl)ether	1.285	1.306		1.6	
2-Chlorophenol	1.358	1.365		0.5	
2-Methylphenol	1.141	1.143		0.2	
2,2-oxybis(1-Chloropropane)	1.682	1.667		-0.9	
Acetophenone	0.505	0.510		1.0	
3+4-Methylphenols	1.557	1.543		-0.9	
n-Nitroso-di-n-propylamine	1.078	1.086	0.050	0.7	
Nitrobenzene-d5	0.412	0.415		0.7	
Hexachloroethane	0.576	0.567		-1.6	
Nitrobenzene	0.366	0.363		-0.8	
Isophorone	0.713	0.722		1.3	
2-Nitrophenol	0.180	0.191		6.1	20.0
2,4-Dimethylphenol	0.309	0.317		2.6	
bis(2-Chloroethoxy)methane	0.426	0.432		1.4	
2,4-Dichlorophenol	0.296	0.306		3.4	20.0
Naphthalene	1.025	1.011		-1.4	
4-Chloroaniline	0.429	0.441		2.8	
Hexachlorobutadiene	0.201	0.205		2.0	20.0
Caprolactam	0.109	0.110		0.9	
4-Chloro-3-methylphenol	0.342	0.345		0.9	20.0
2-Methylnaphthalene	0.650	0.651		0.2	
Hexachlorocyclopentadiene	0.346	0.335	0.050	-3.2	
2,4,6-Trichlorophenol	0.381	0.394		3.4	20.0
2-Fluorobiphenyl	1.485	1.475		-0.7	
2,4,5-Trichlorophenol	0.408	0.423		3.7	
1,1-Biphenyl	1.453	1.451		-0.1	
2-Chloronaphthalene	1.117	1.112		-0.4	
2-Nitroaniline	0.343	0.341		-0.6	
Dimethylphthalate	1.475	1.472		-0.2	
Acenaphthylene	1.863	1.865		0.1	
2,6-Dinitrotoluene	0.318	0.321		0.9	
3-Nitroaniline	0.330	0.340		3.0	
Acenaphthene	1.067	1.066		-0.1	20.0
2,4-Dinitrophenol	0.178	0.187	0.050	5.1	
4-Nitrophenol	0.239	0.238	0.050	-0.4	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

Instrument ID: BNA_P Calibration Date/Time: 06/10/2025 10:53

Lab File ID: BP024888.D Init. Calib. Date(s): 06/06/2025 06/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 15:18

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.713	1.701		-0.7	
2,4-Dinitrotoluene	0.445	0.463		4.0	
Diethylphthalate	1.470	1.494		1.6	
4-Chlorophenyl-phenylether	0.677	0.688		1.6	
Fluorene	1.384	1.390		0.4	
4-Nitroaniline	0.299	0.338		13.0	
4,6-Dinitro-2-methylphenol	0.131	0.134		2.3	
n-Nitrosodiphenylamine	0.620	0.609		-1.8	20.0
2,4,6-Tribromophenol	0.277	0.294		6.1	
4-Bromophenyl-phenylether	0.226	0.231		2.2	
Hexachlorobenzene	0.274	0.269		-1.8	
Atrazine	0.225	0.233		3.6	
Pentachlorophenol	0.142	0.159		12.0	20.0
Phenanthrene	1.105	1.093		-1.1	
Anthracene	1.119	1.109		-0.9	
Carbazole	1.038	1.036		-0.2	
Di-n-butylphthalate	1.285	1.380		7.4	
Fluoranthene	1.281	1.281		0.0	20.0
Pyrene	1.249	1.222		-2.2	
Terphenyl-d14	1.116	1.120		0.4	
Butylbenzylphthalate	0.572	0.600		4.9	
3,3-Dichlorobenzidine	0.508	0.519		2.2	
Benzo(a)anthracene	1.279	1.262		-1.3	
Chrysene	1.212	1.194		-1.5	
Bis(2-ethylhexyl)phthalate	0.820	0.906		10.5	
Di-n-octyl phthalate	1.445	1.569		8.6	20.0
Benzo(b)fluoranthene	1.145	1.151		0.5	
Benzo(k)fluoranthene	1.165	1.135		-2.6	
Benzo(a)pyrene	1.118	1.119		0.1	20.0
Indeno(1,2,3-cd)pyrene	1.459	1.445		-1.0	
Dibenzo(a,h)anthracene	1.188	1.179		-0.8	
Benzo(g,h,i)perylene	1.179	1.134		-3.8	
1,2,4,5-Tetrachlorobenzene	0.568	0.568		0.0	
1,4-Dioxane	0.527	0.493		-6.5	20.0
2,3,4,6-Tetrachlorophenol	0.365	0.377		3.3	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

Instrument ID: BNA_P Calibration Date/Time: 06/11/2025 10:09

Lab File ID: BP024905.D Init. Calib. Date(s): 06/06/2025 06/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 15:18

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.198	1.226		2.3	
Benzaldehyde	0.914	0.937		2.5	
Phenol-d6	1.585	1.563		-1.4	
Phenol	1.634	1.618		-1.0	20.0
bis(2-Chloroethyl)ether	1.285	1.265		-1.6	
2-Chlorophenol	1.358	1.365		0.5	
2-Methylphenol	1.141	1.112		-2.5	
2,2-oxybis(1-Chloropropane)	1.682	1.580		-6.1	
Acetophenone	0.505	0.502		-0.6	
3+4-Methylphenols	1.557	1.486		-4.6	
n-Nitroso-di-n-propylamine	1.078	1.023	0.050	-5.1	
Nitrobenzene-d5	0.412	0.408		-1.0	
Hexachloroethane	0.576	0.549		-4.7	
Nitrobenzene	0.366	0.359		-1.9	
Isophorone	0.713	0.698		-2.1	
2-Nitrophenol	0.180	0.190		5.6	20.0
2,4-Dimethylphenol	0.309	0.313		1.3	
bis(2-Chloroethoxy)methane	0.426	0.416		-2.3	
2,4-Dichlorophenol	0.296	0.307		3.7	20.0
Naphthalene	1.025	1.019		-0.6	
4-Chloroaniline	0.429	0.431		0.5	
Hexachlorobutadiene	0.201	0.207		3.0	20.0
Caprolactam	0.109	0.111		1.8	
4-Chloro-3-methylphenol	0.342	0.342		0.0	20.0
2-Methylnaphthalene	0.650	0.650		0.0	
Hexachlorocyclopentadiene	0.346	0.317	0.050	-8.4	
2,4,6-Trichlorophenol	0.381	0.394		3.4	20.0
2-Fluorobiphenyl	1.485	1.486		0.1	
2,4,5-Trichlorophenol	0.408	0.432		5.9	
1,1-Biphenyl	1.453	1.472		1.3	
2-Chloronaphthalene	1.117	1.114		-0.3	
2-Nitroaniline	0.343	0.347		1.2	
Dimethylphthalate	1.475	1.466		-0.6	
Acenaphthylene	1.863	1.851		-0.6	
2,6-Dinitrotoluene	0.318	0.317		-0.3	
3-Nitroaniline	0.330	0.352		6.7	
Acenaphthene	1.067	1.048		-1.8	20.0
2,4-Dinitrophenol	0.178	0.185	0.050	3.9	
4-Nitrophenol	0.239	0.237	0.050	-0.8	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

Instrument ID: BNA_P Calibration Date/Time: 06/11/2025 10:09

Lab File ID: BP024905.D Init. Calib. Date(s): 06/06/2025 06/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 15:18

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.713	1.692		-1.2	
2,4-Dinitrotoluene	0.445	0.460		3.4	
Diethylphthalate	1.470	1.506		2.4	
4-Chlorophenyl-phenylether	0.677	0.684		1.0	
Fluorene	1.384	1.387		0.2	
4-Nitroaniline	0.299	0.338		13.0	
4,6-Dinitro-2-methylphenol	0.131	0.133		1.5	
n-Nitrosodiphenylamine	0.620	0.603		-2.7	20.0
2,4,6-Tribromophenol	0.277	0.297		7.2	
4-Bromophenyl-phenylether	0.226	0.229		1.3	
Hexachlorobenzene	0.274	0.274		0.0	
Atrazine	0.225	0.226		0.4	
Pentachlorophenol	0.142	0.157		10.6	20.0
Phenanthrene	1.105	1.060		-4.1	
Anthracene	1.119	1.107		-1.1	
Carbazole	1.038	1.030		-0.8	
Di-n-butylphthalate	1.285	1.322		2.9	
Fluoranthene	1.281	1.260		-1.6	20.0
Pyrene	1.249	1.242		-0.6	
Terphenyl-d14	1.116	1.127		1.0	
Butylbenzylphthalate	0.572	0.609		6.5	
3,3-Dichlorobenzidine	0.508	0.535		5.3	
Benzo(a)anthracene	1.279	1.276		-0.2	
Chrysene	1.212	1.188		-2.0	
Bis(2-ethylhexyl)phthalate	0.820	0.891		8.7	
Di-n-octyl phthalate	1.445	1.536		6.3	20.0
Benzo(b)fluoranthene	1.145	1.113		-2.8	
Benzo(k)fluoranthene	1.165	1.124		-3.5	
Benzo(a)pyrene	1.118	1.098		-1.8	20.0
Indeno(1,2,3-cd)pyrene	1.459	1.454		-0.3	
Dibenzo(a,h)anthracene	1.188	1.198		0.8	
Benzo(g,h,i)perylene	1.179	1.152		-2.3	
1,2,4,5-Tetrachlorobenzene	0.568	0.573		0.9	
1,4-Dioxane	0.527	0.507		-3.8	20.0
2,3,4,6-Tetrachlorophenol	0.365	0.375		2.7	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142661.D
Acq On : 06 Jun 2025 22:31
Operator : RC/JU
Sample : Q2176-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-46

Quant Time: Jun 07 00:37:33 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

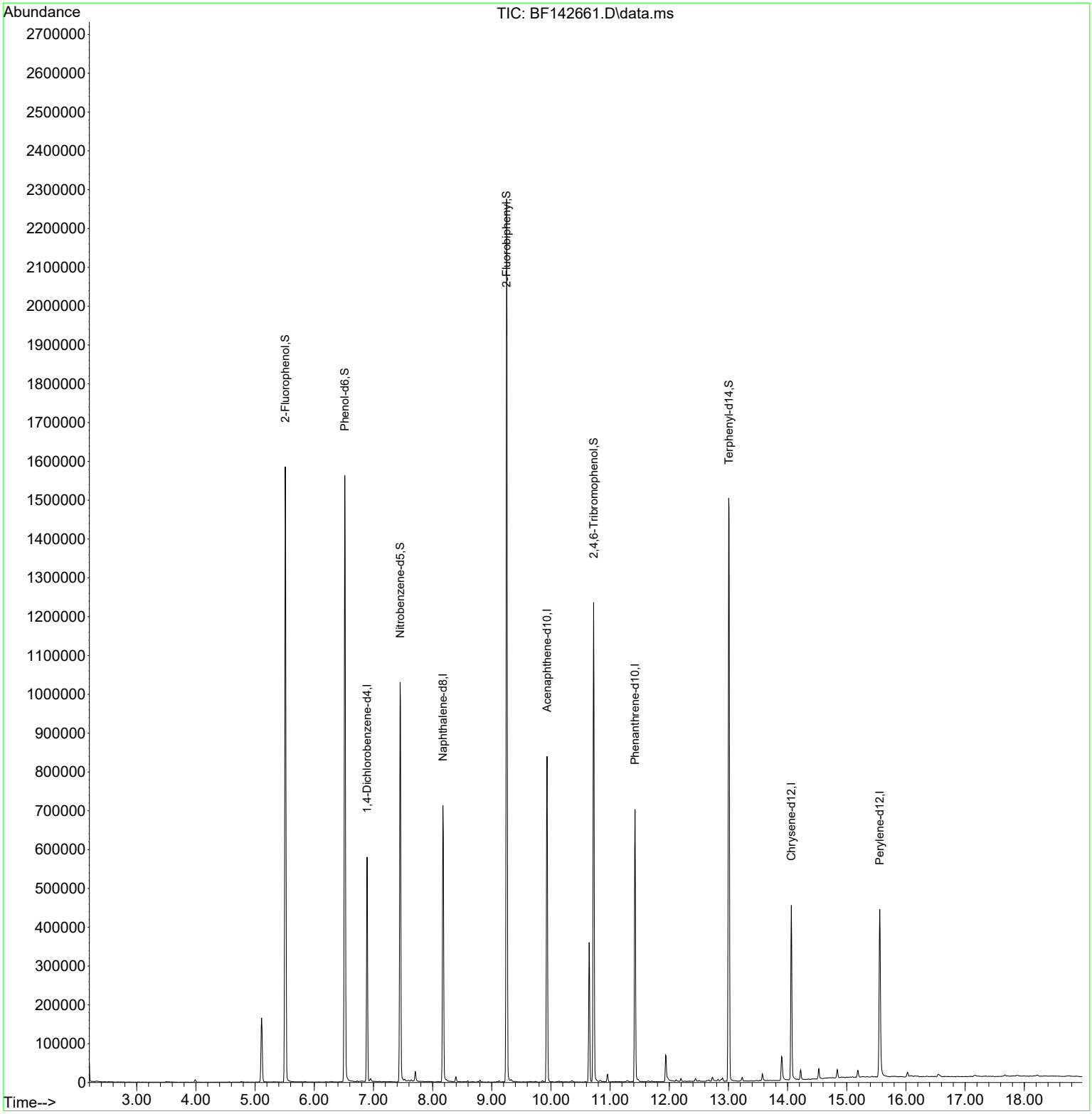
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	124234	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	473472	20.000	ng	-0.01
39) Acenaphthene-d10	9.934	164	251337	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	378800	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	233380	20.000	ng	-0.01
86) Perylene-d12	15.557	264	269073	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	621093	84.227	ng	0.00
7) Phenol-d6	6.516	99	759087	85.516	ng	-0.02
23) Nitrobenzene-d5	7.451	82	459762	52.950	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	222131	79.630	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	1043333	55.702	ng	-0.02
79) Terphenyl-d14	13.010	244	777820	45.545	ng	0.00
Target Compounds						Qvalue

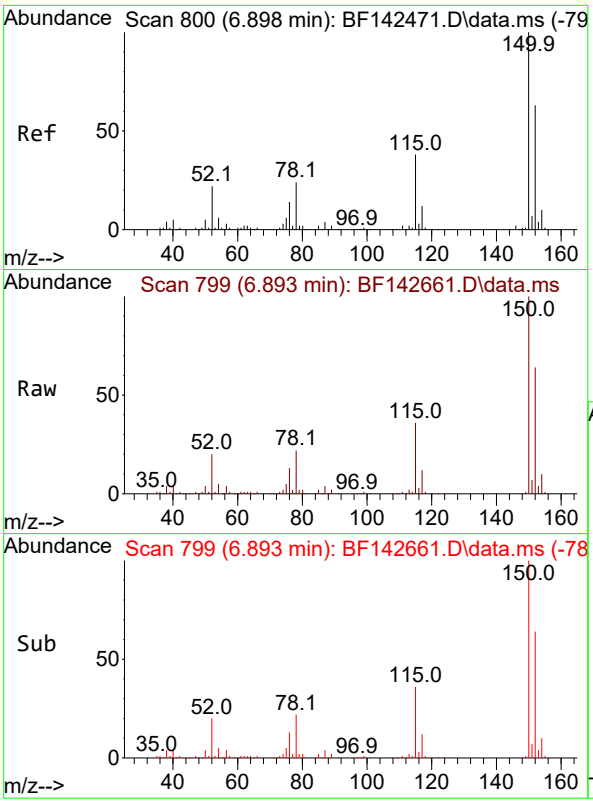
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142661.D
Acq On : 06 Jun 2025 22:31
Operator : RC/JU
Sample : Q2176-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-46

Quant Time: Jun 07 00:37:33 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



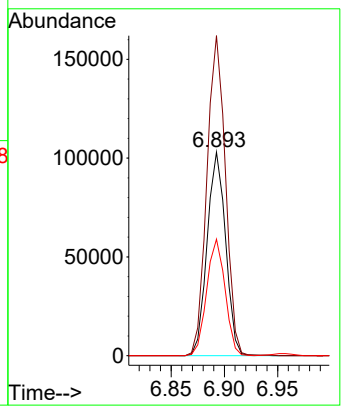


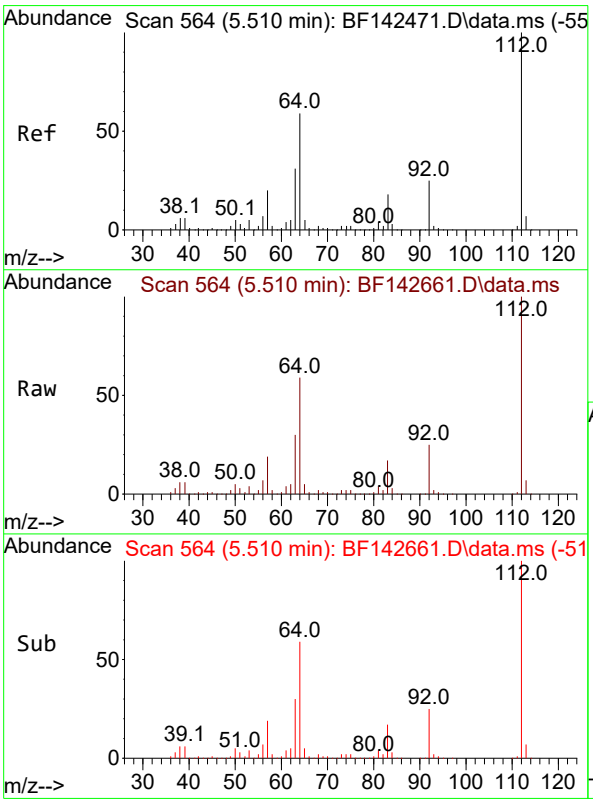
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Instrument :
BNA_F
ClientSampleId :
TP-46

Tgt Ion:152 Resp: 124234

Ion	Ratio	Lower	Upper
152	100		
150	157.2	128.2	192.4
115	57.2	48.3	72.5

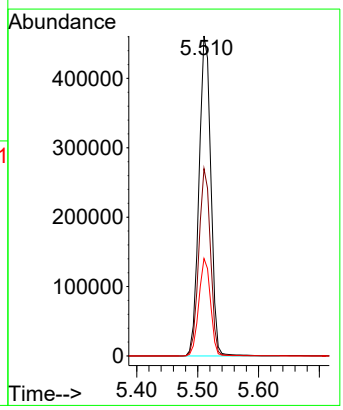


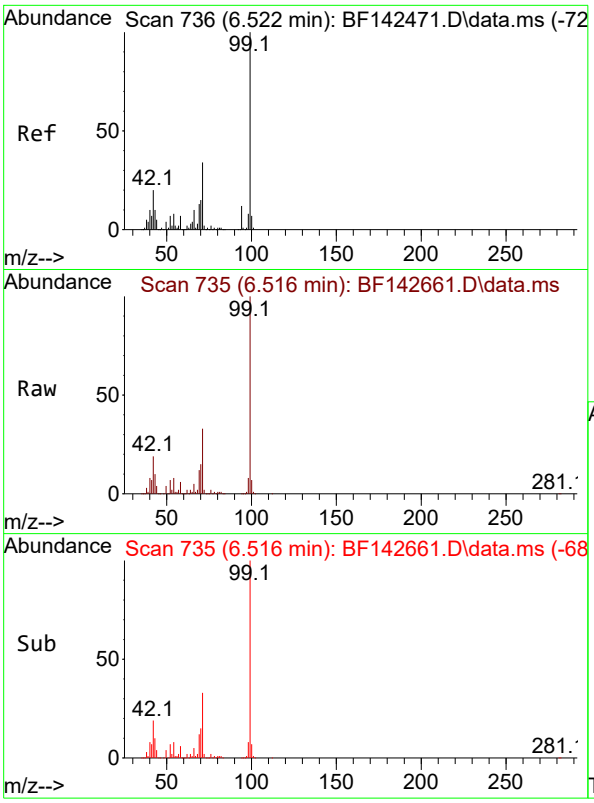


#5
2-Fluorophenol
Concen: 84.227 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Tgt Ion:112 Resp: 621093

Ion	Ratio	Lower	Upper
112	100		
64	58.6	47.5	71.3
63	30.5	24.9	37.3



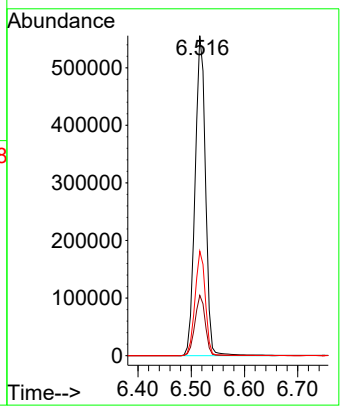


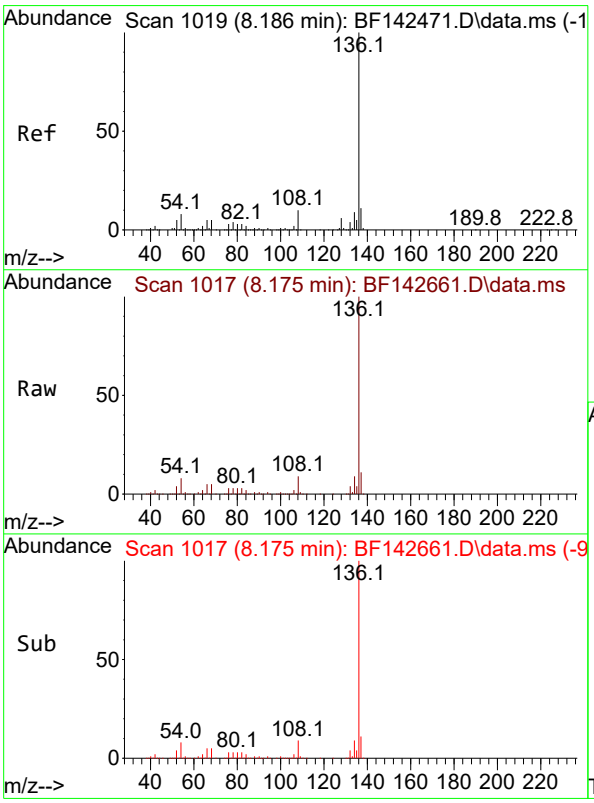
#7
Phenol-d6
Concen: 85.516 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Instrument :
BNA_F
ClientSampleId :
TP-46

Tgt Ion: 99 Resp: 759087

Ion	Ratio	Lower	Upper
99	100		
42	18.8	16.2	24.2
71	32.7	27.3	40.9

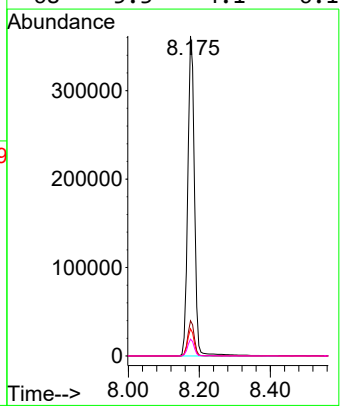


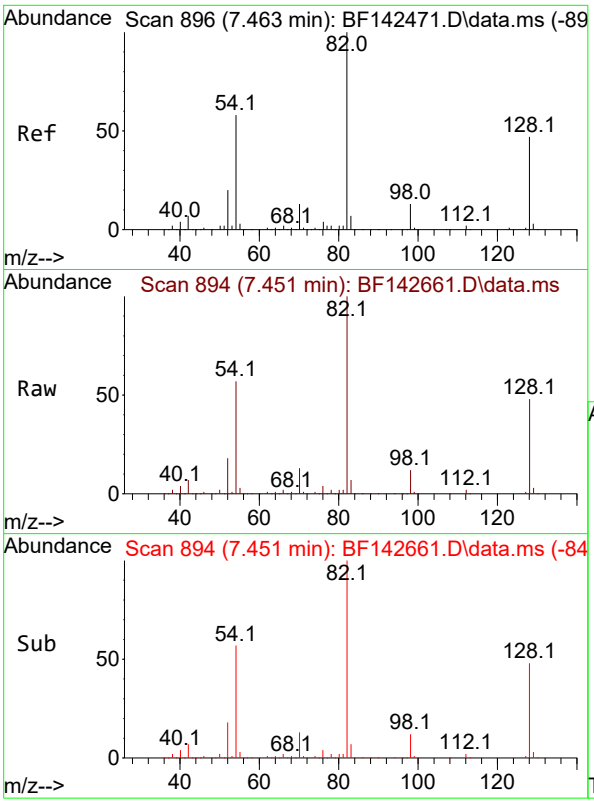


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Tgt Ion:136 Resp: 473472

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.5	6.6	10.0
68	5.3	4.1	6.1



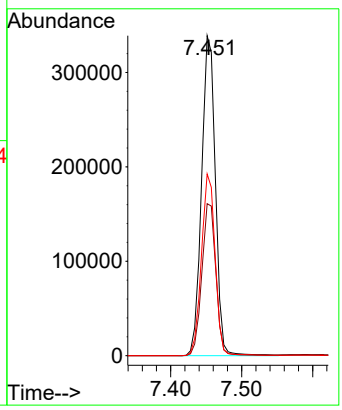


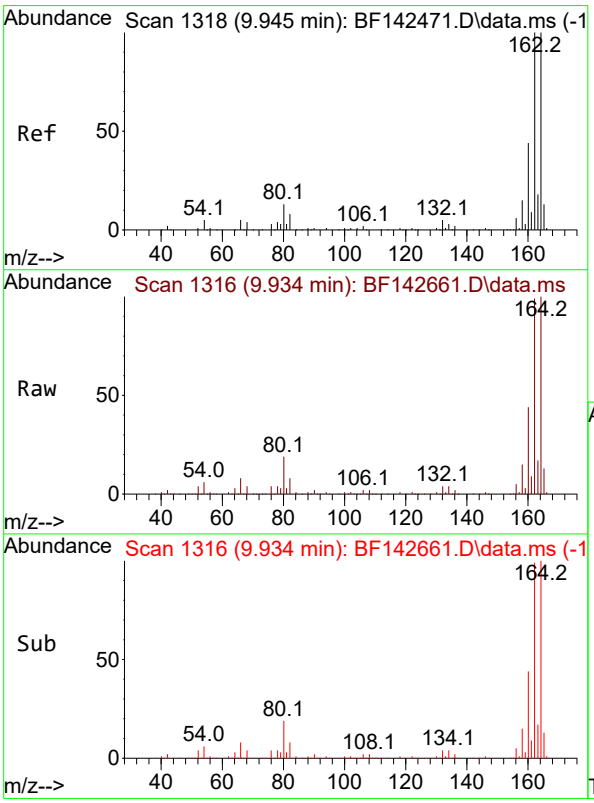
#23
Nitrobenzene-d5
Concen: 52.950 ng
RT: 7.451 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Instrument :
BNA_F
ClientSampleId :
TP-46

Tgt Ion: 82 Resp: 459762

Ion	Ratio	Lower	Upper
82	100		
128	47.5	37.4	56.2
54	56.8	46.6	70.0

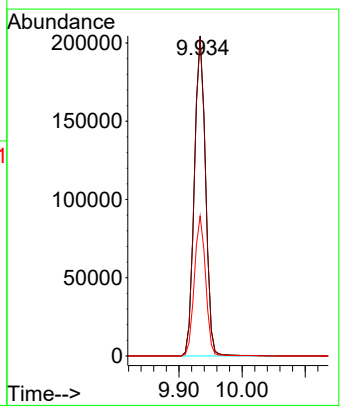


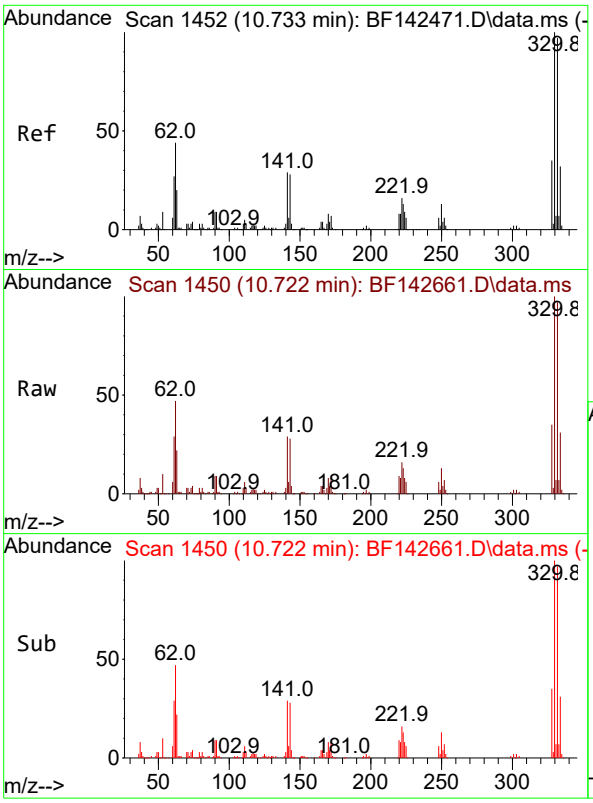


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Tgt Ion:164 Resp: 251337

Ion	Ratio	Lower	Upper
164	100		
162	99.1	80.2	120.4
160	43.7	35.6	53.4



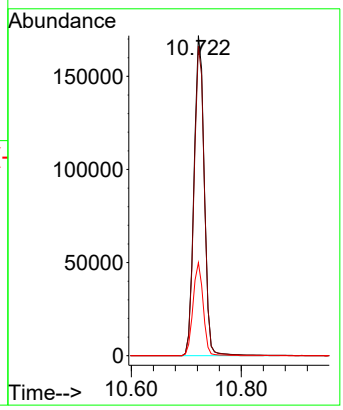


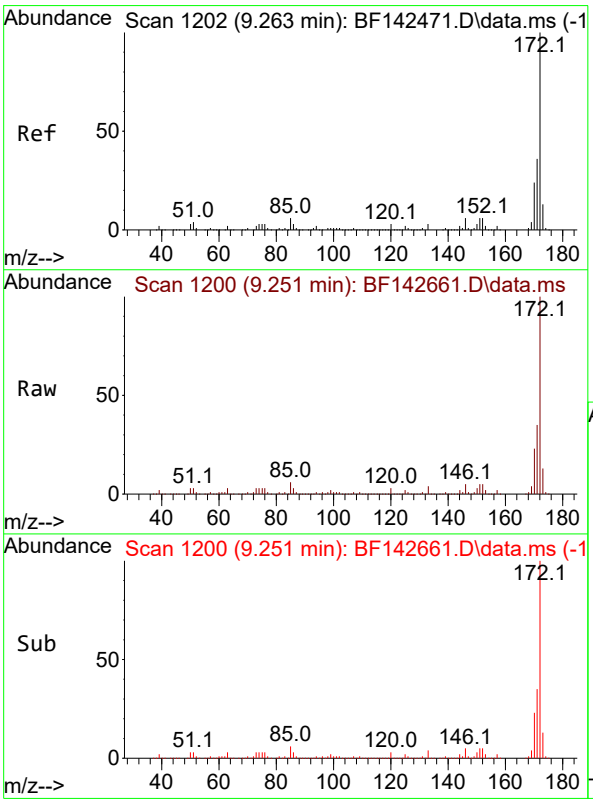
#42
2,4,6-Tribromophenol
Concen: 79.630 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Instrument :
BNA_F
ClientSampleId :
TP-46

Tgt Ion:330 Resp: 222131

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.6	116.4
141	28.8	24.6	36.8

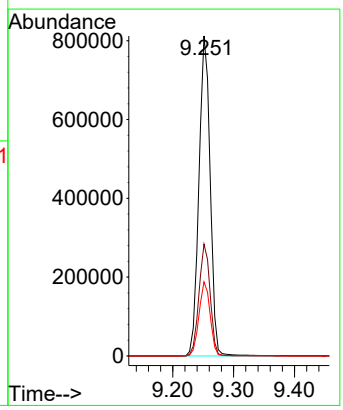


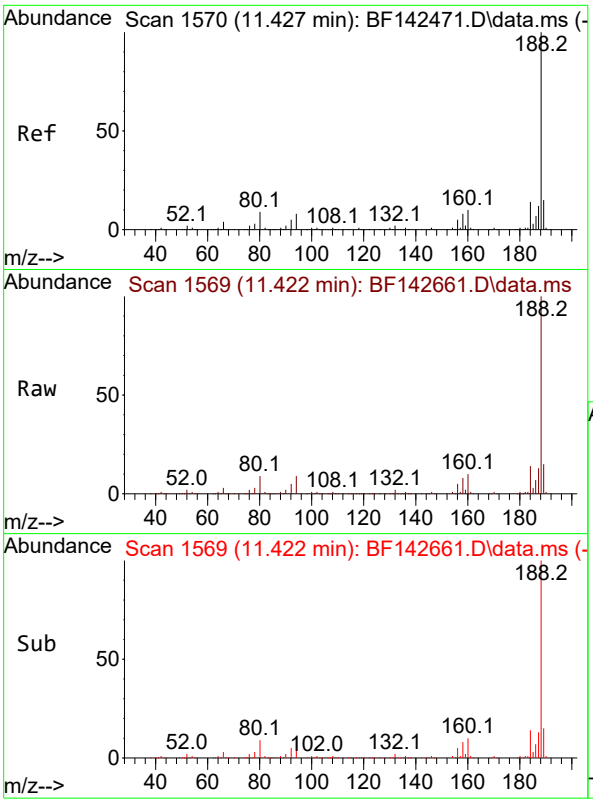


#45
2-Fluorobiphenyl
Concen: 55.702 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.017 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Tgt Ion:172 Resp: 1043333

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.6	42.8
170	23.2	18.9	28.3



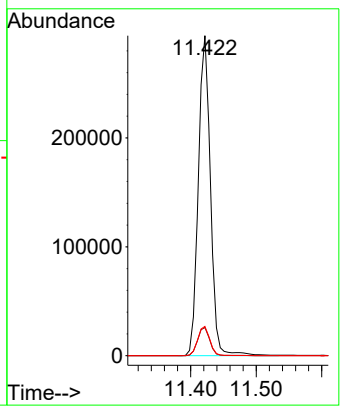


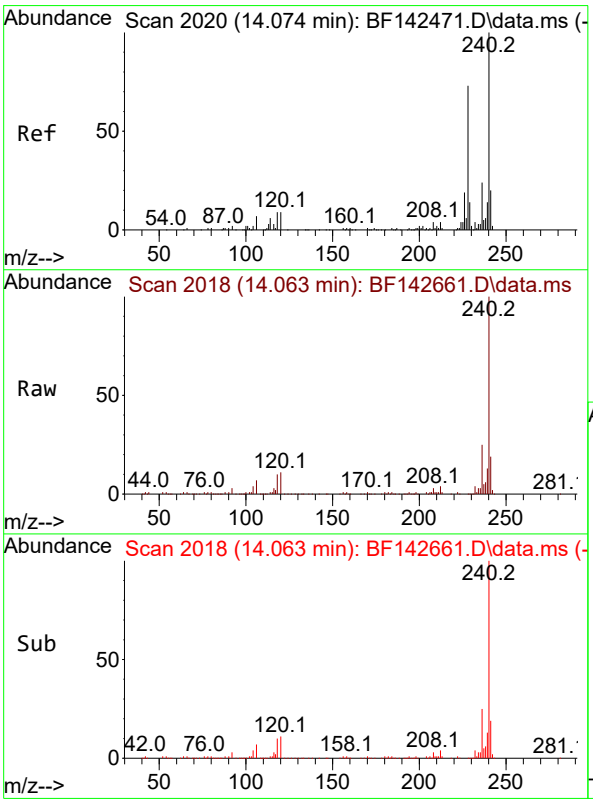
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Instrument :
BNA_F
ClientSampleId :
TP-46

Tgt Ion:188 Resp: 378800

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.6	10.0
80	9.2	7.4	11.0

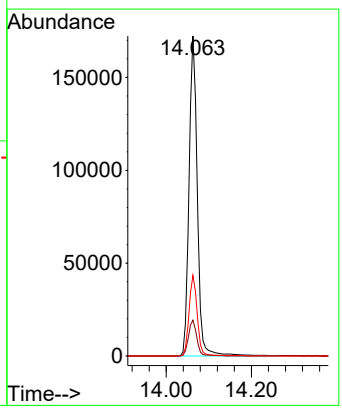


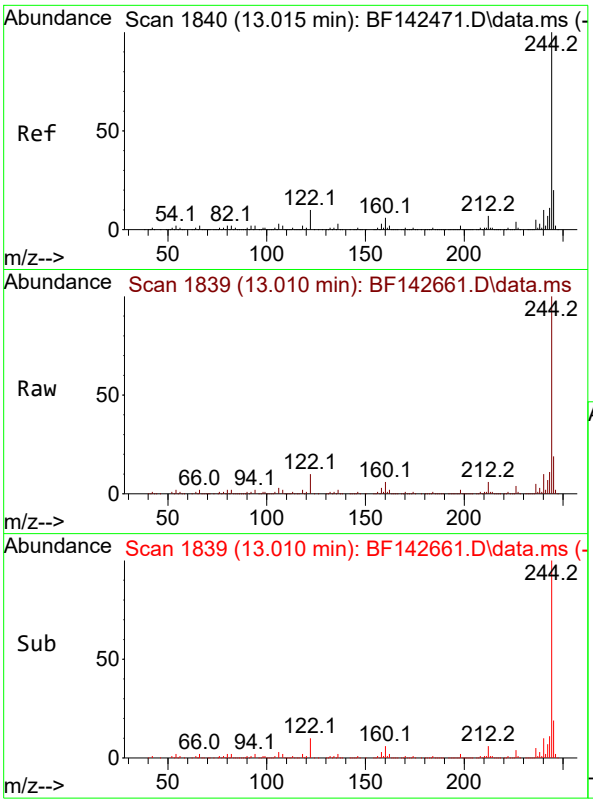


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Tgt Ion:240 Resp: 233380

Ion	Ratio	Lower	Upper
240	100		
120	11.2	7.5	11.3
236	25.2	19.6	29.4



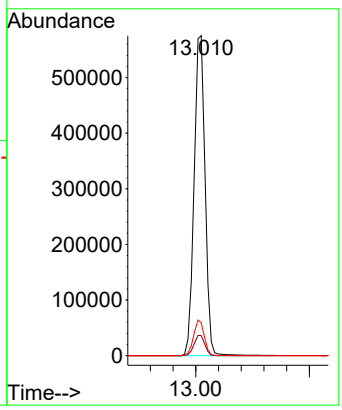


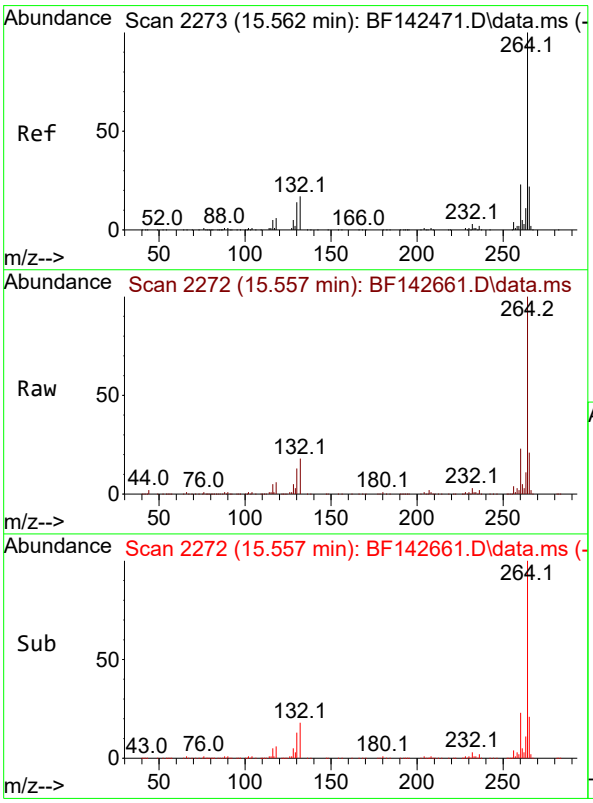
#79
Terphenyl-d14
Concen: 45.545 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Instrument :
BNA_F
ClientSampleId :
TP-46

Tgt Ion:244 Resp: 777820

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.3	7.9
122	10.2	8.2	12.2

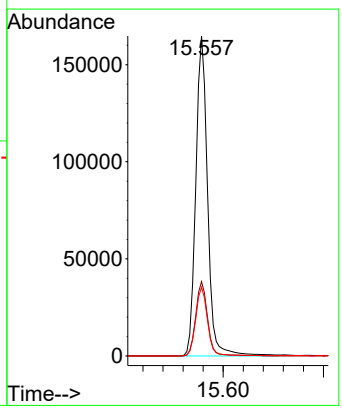




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Tgt Ion:264 Resp: 269073

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.5	17.7	26.5



Sample Results: **BF142661.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142661.D
Acq On : 06 Jun 2025 22:31
Operator : RC/JU
Sample : Q2176-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-46

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: BF142661.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	485	496	509	rBV	165531	246975	8.59%	1.373%
2	5.510	558	564	584	rBV	1585297	2114813	73.52%	11.760%
3	6.516	729	735	755	rBV	1561010	2142113	74.47%	11.912%
4	6.893	794	799	804	rBV	577928	699517	24.32%	3.890%
5	7.451	888	894	904	rBV	1029227	1394663	48.48%	7.755%
6	7.710	933	938	950	rVB	25651	38723	1.35%	0.215%
7	8.175	1012	1017	1025	rBV	712225	908382	31.58%	5.051%
8	9.251	1194	1200	1205	rBV	2274921	2876662	100.00%	15.997%
9	9.934	1311	1316	1327	rVB	838628	1028683	35.76%	5.720%
10	10.645	1432	1437	1444	rBV	359961	440099	15.30%	2.447%
11	10.722	1445	1450	1464	rVB	1234599	1580957	54.96%	8.791%
12	11.422	1564	1569	1577	rBV	701615	891916	31.01%	4.960%
13	11.939	1651	1657	1671	rBV2	68411	120005	4.17%	0.667%
14	13.004	1833	1838	1844	rBV	1502233	2004201	69.67%	11.145%
15	13.898	1985	1990	2003	rBV	61756	108856	3.78%	0.605%
16	14.063	2010	2018	2033	rBV	449973	602024	20.93%	3.348%
17	14.222	2040	2045	2052	rBV	24955	33362	1.16%	0.186%
18	14.527	2092	2097	2106	rBV	25726	37717	1.31%	0.210%
19	15.557	2266	2272	2286	rBV	431175	713266	24.79%	3.966%

Sum of corrected areas: 17982934

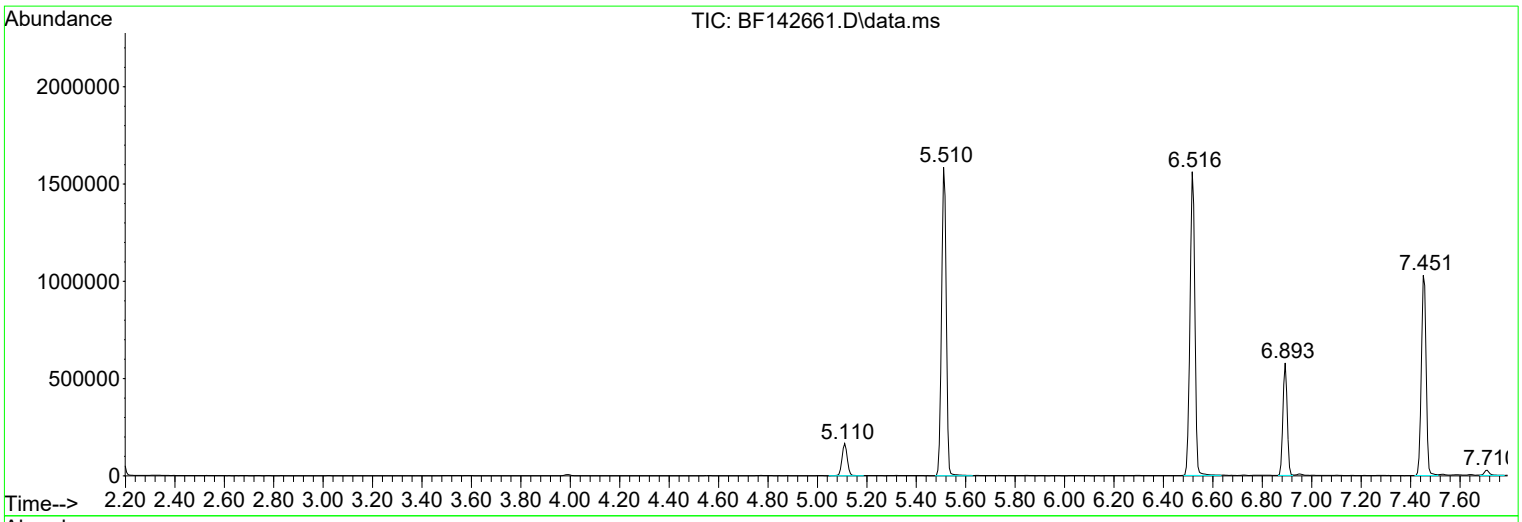
Sample Results: **BF142661.D**

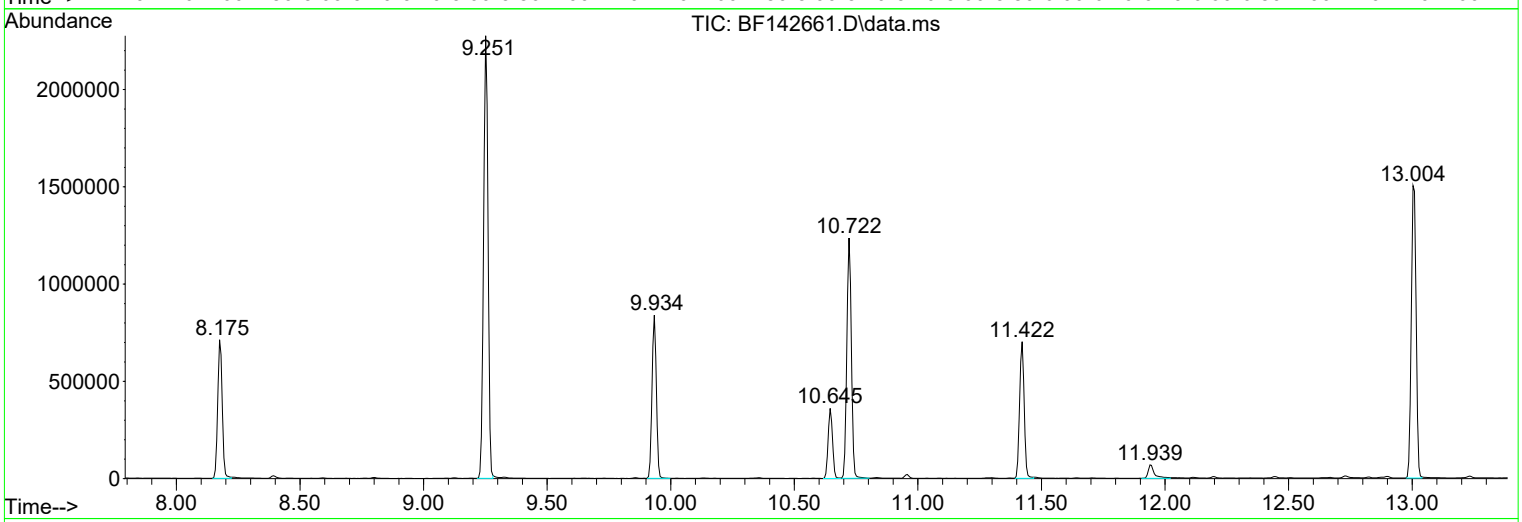
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142661.D
Acq On : 06 Jun 2025 22:31
Operator : RC/JU
Sample : Q2176-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

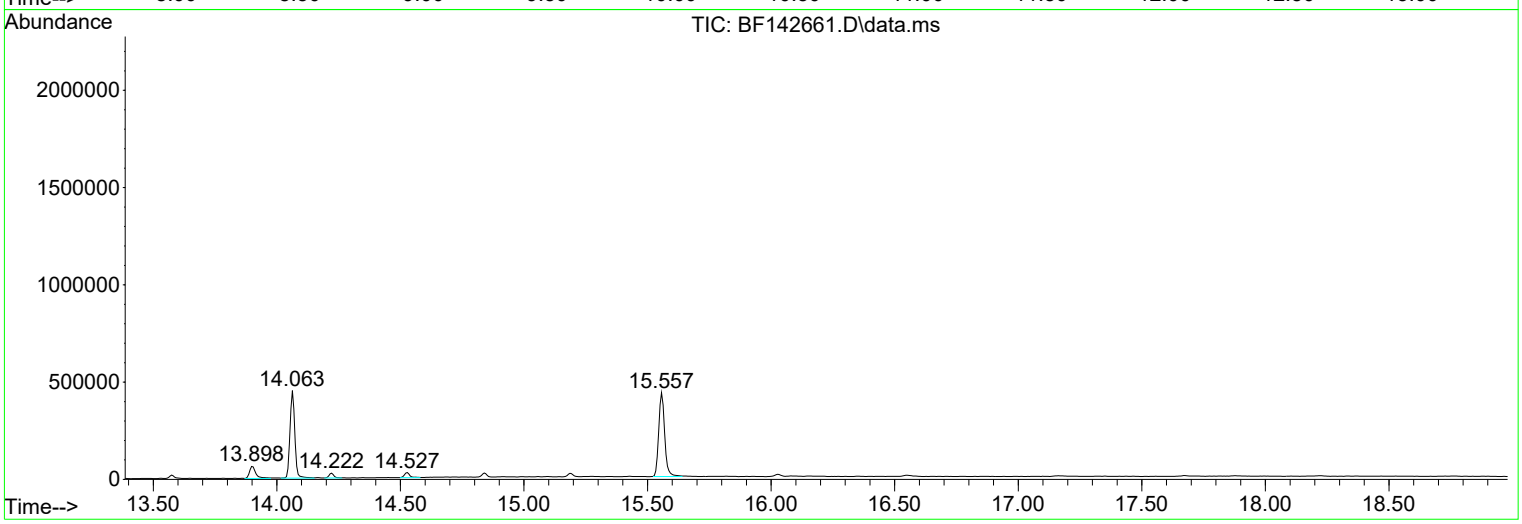
Instrument :
BNA_F
ClientSampleId :
TP-46

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\BF060625\
Data File : BF142661.D
Acq On : 06 Jun 2025 22:31
Operator : RC/JU
Sample : Q2176-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-46

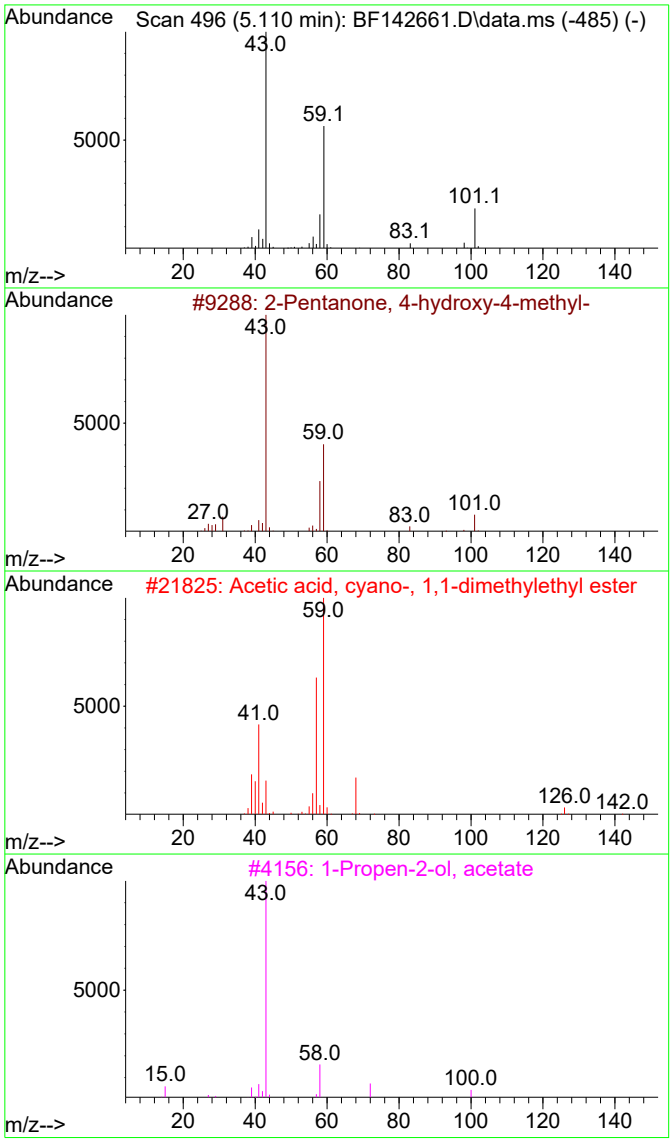
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

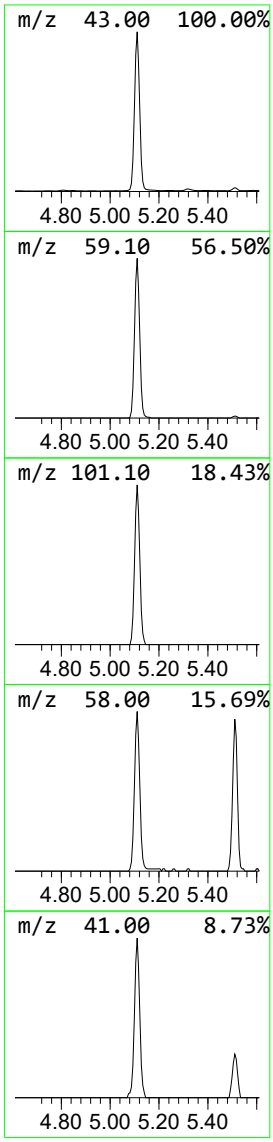
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.110	7.06 ng	246975	1,4-Dichlorobenzene-d4	6.893

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, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	9
5	Ethanol, pentamethyl-	116	C7H16O	000594-83-2	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142661.D
Acq On : 06 Jun 2025 22:31
Operator : RC/JU
Sample : Q2176-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-46

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

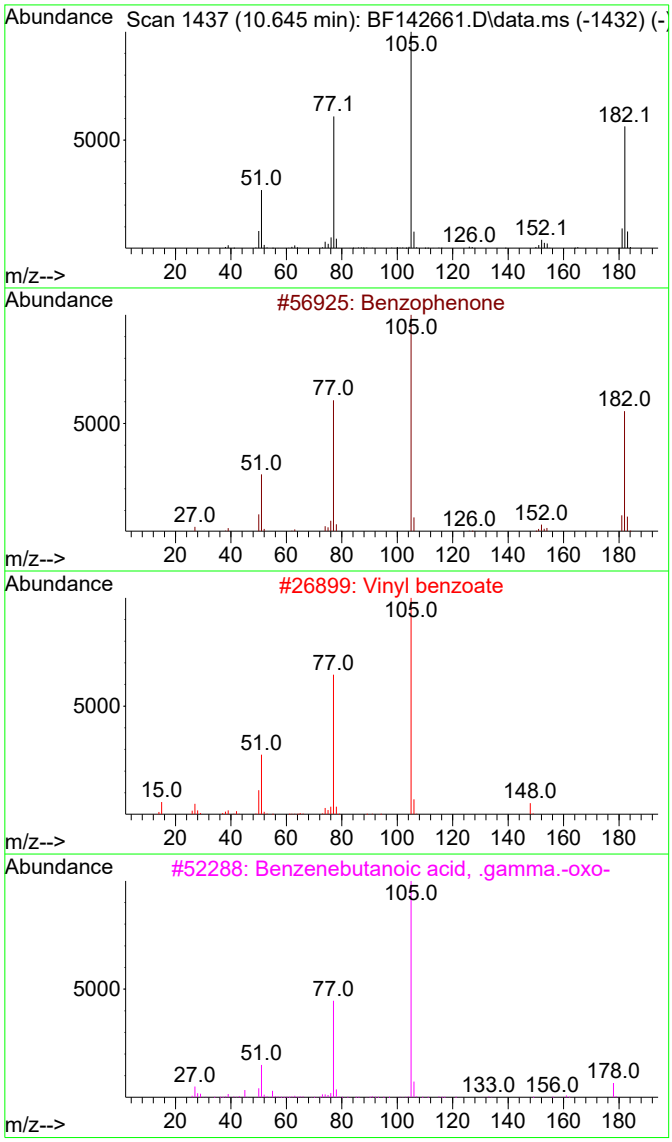
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

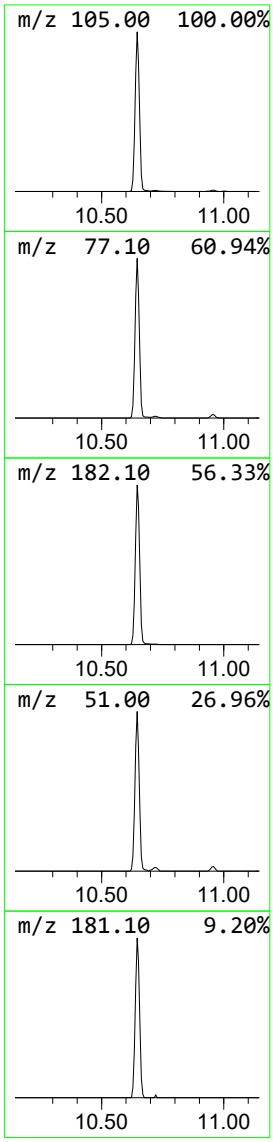
****

Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.645	8.56 ng	440099	Acenaphthene-d10	9.934

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Vinyl benzoate	148	C9H8O2	000769-78-8	47
3	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
4	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
5	Ethanone, 2-bromo-1,2-diphenyl-	274	C14H11BrO	001484-50-0	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142661.D
Acq On : 06 Jun 2025 22:31
Operator : RC/JU
Sample : Q2176-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-46

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

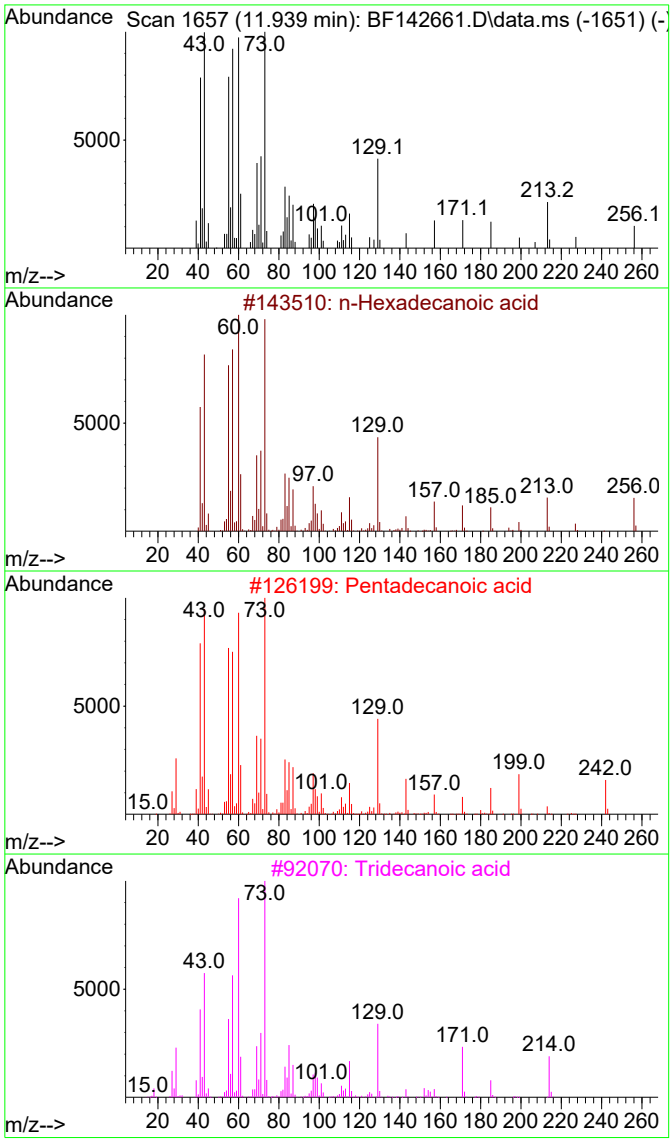
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

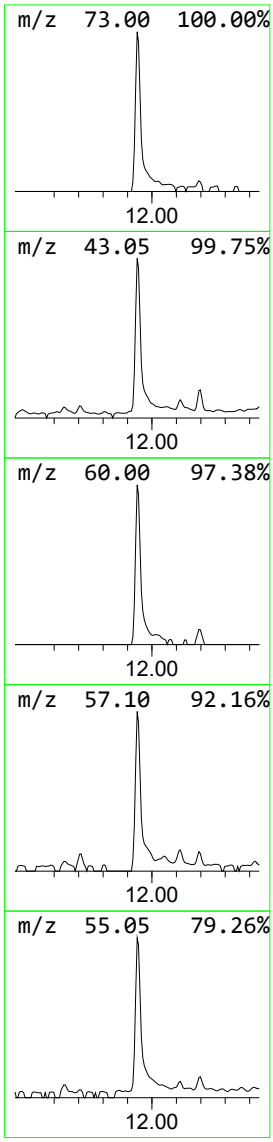
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	2.69 ng	120005	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	90
3	Tridecanoic acid	214	C13H26O2	000638-53-9	81
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	n-Decanoic acid	172	C10H20O2	000334-48-5	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142661.D
Acq On : 06 Jun 2025 22:31
Operator : RC/JU
Sample : Q2176-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-46

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

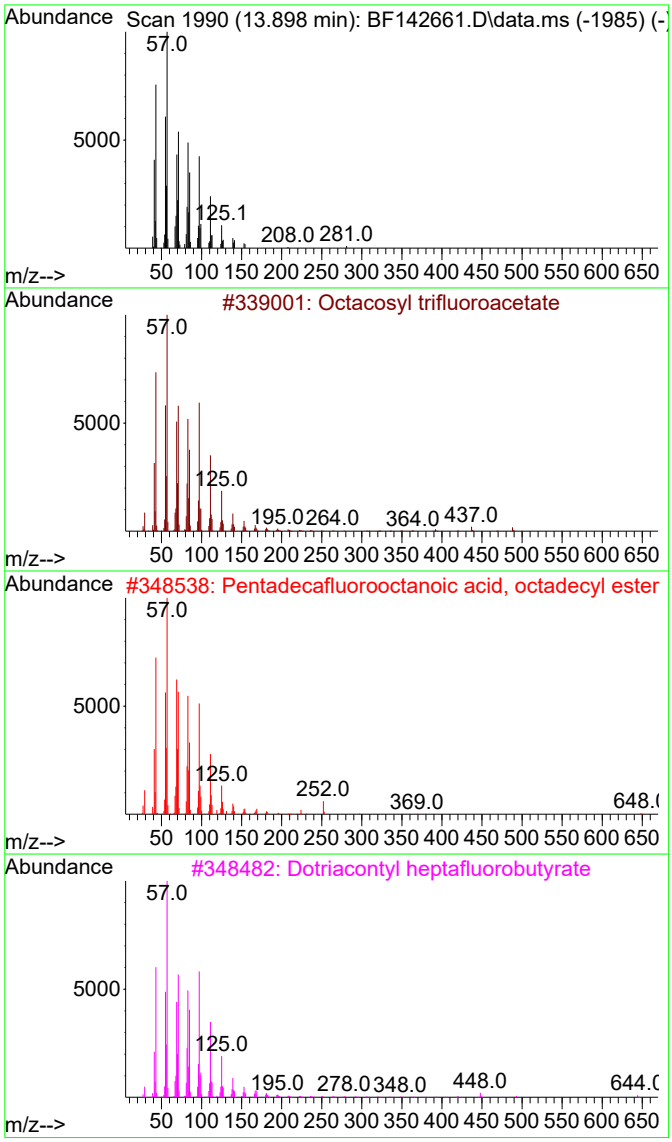
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

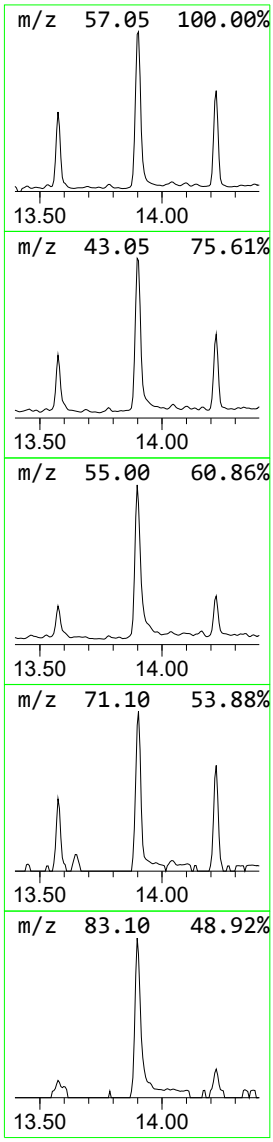
****

Peak Number 4 Octacosyl trifluoroacetate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.898	3.62 ng	108856	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	91
2	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	91
3	Dotriacontyl heptafluorobutyrate	662	C36H65F7O2	1000351-84-2	91
4	Hexacosyl heptafluorobutyrate	578	C30H53F7O2	1000351-83-3	91
5	Tricosyl pentafluoropropionate	486	C26H47F5O2	1000351-81-0	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142661.D
Acq On : 06 Jun 2025 22:31
Operator : RC/JU
Sample : Q2176-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-46

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	7.1	ng	246975	1	6.893	699517	20.0
Benzophenone	10.645	8.6	ng	440099	3	9.934	1028680	20.0
n-Hexadecanoic ...	11.939	2.7	ng	120005	4	11.422	891916	20.0
Octacosyl trifl...	13.898	3.6	ng	108856	5	14.063	602024	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142757.D
Acq On : 12 Jun 2025 14:58
Operator : RC/JU
Sample : Q2176-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-56

Quant Time: Jun 12 15:23:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

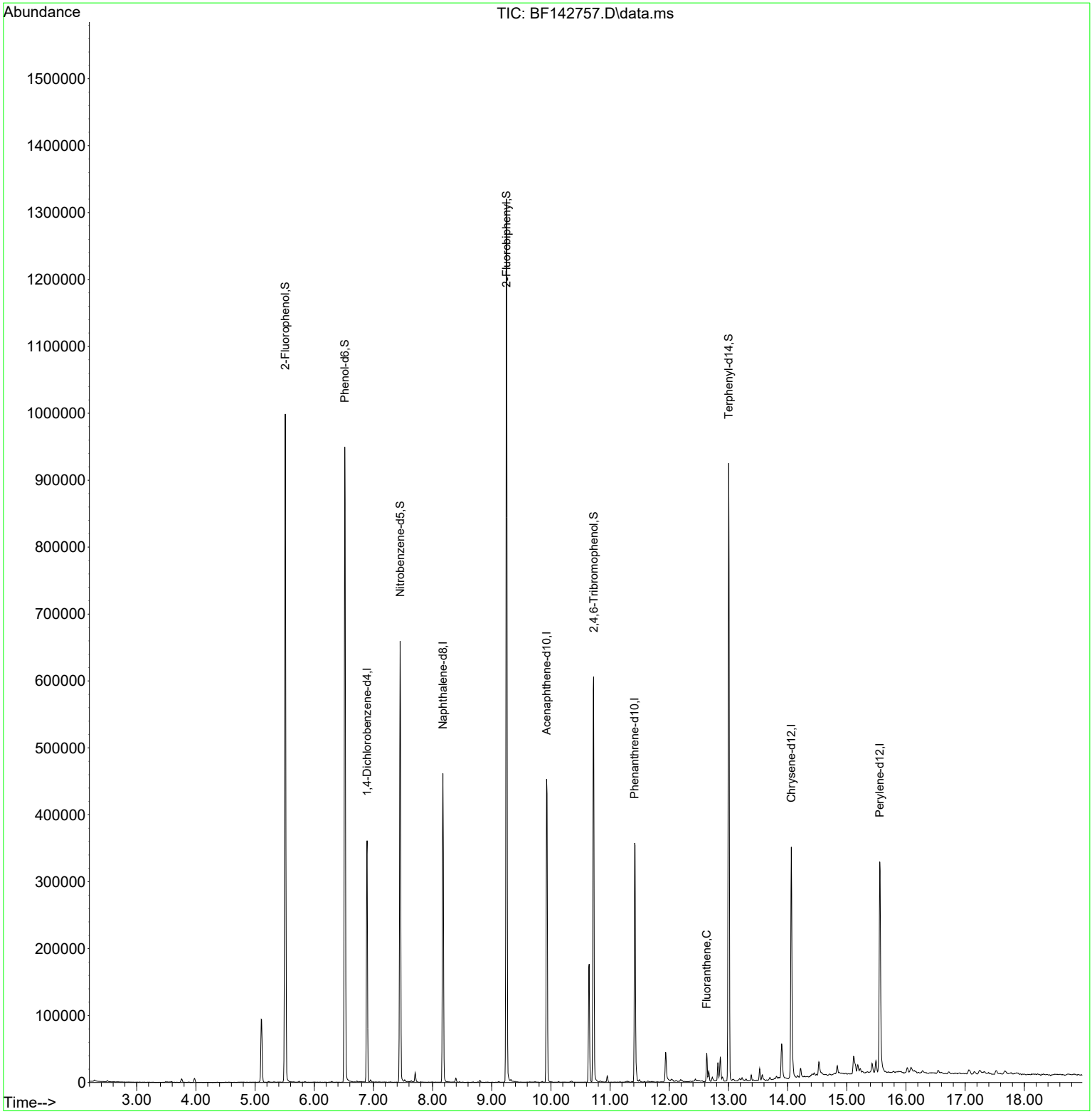
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	80751	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	294826	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	141230	20.000	ng	-0.01
64) Phenanthrene-d10	11.416	188	198627	20.000	ng	0.00
76) Chrysene-d12	14.063	240	163027	20.000	ng	0.00
86) Perylene-d12	15.557	264	189069	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	378394	79.808	ng	0.00
7) Phenol-d6	6.516	99	443079	79.408	ng	0.00
23) Nitrobenzene-d5	7.451	82	275911	51.217	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	107640	69.541	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	602258	56.655	ng	0.00
79) Terphenyl-d14	13.004	244	445566	37.537	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.633	202	25268	2.497	ng	99

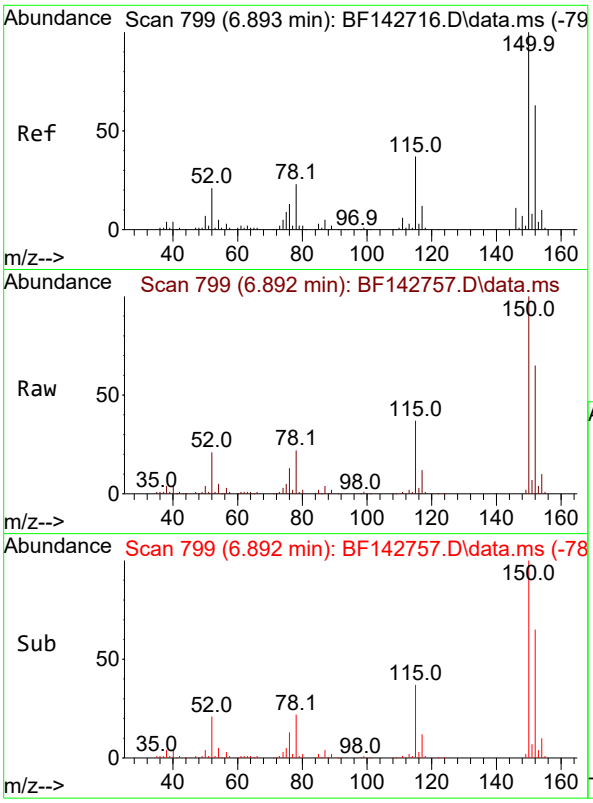
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142757.D
Acq On : 12 Jun 2025 14:58
Operator : RC/JU
Sample : Q2176-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-56

Quant Time: Jun 12 15:23:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration



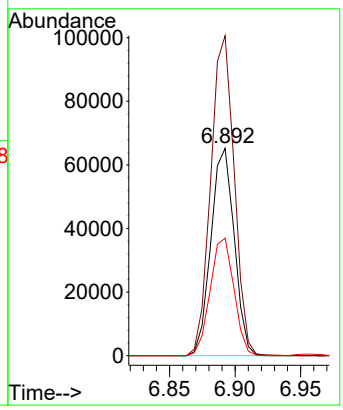


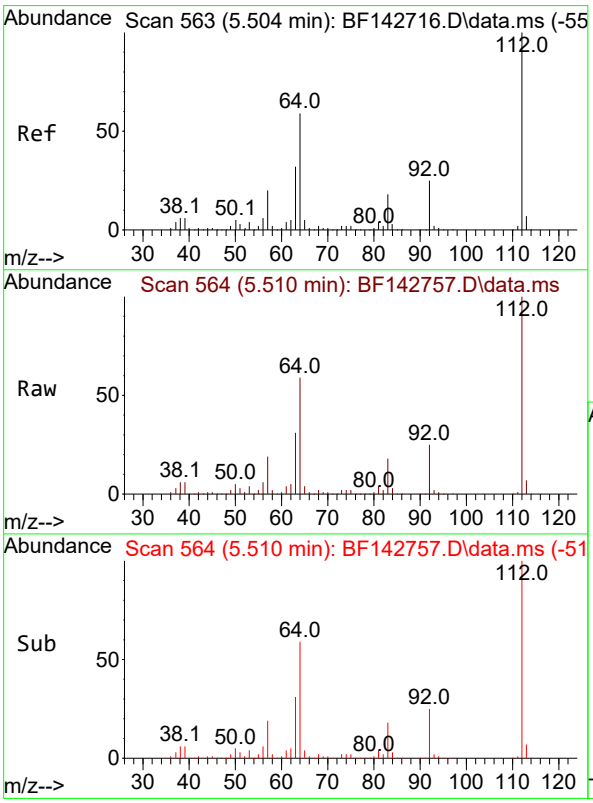
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 7
Delta R.T. -0.001 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Instrument :
BNA_F
ClientSampleId :
TP-56

Tgt Ion:152 Resp: 80751

Ion	Ratio	Lower	Upper
152	100		
150	154.3	126.9	190.3
115	56.6	47.0	70.6

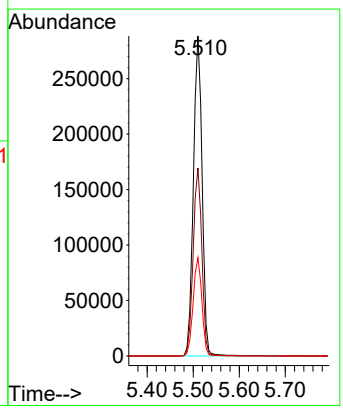


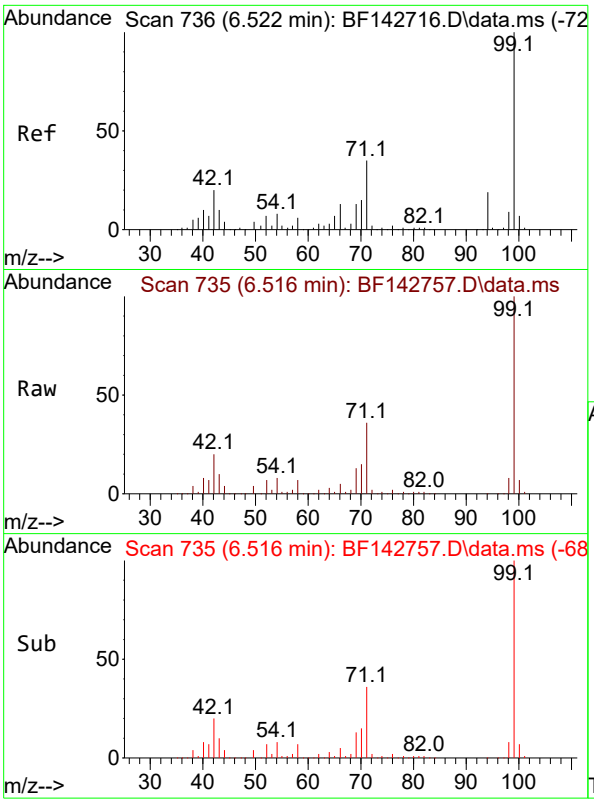


#5
2-Fluorophenol
Concen: 79.808 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Tgt Ion:112 Resp: 378394

Ion	Ratio	Lower	Upper
112	100		
64	58.7	47.4	71.2
63	30.7	25.4	38.0



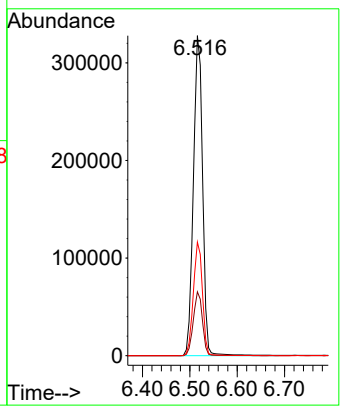


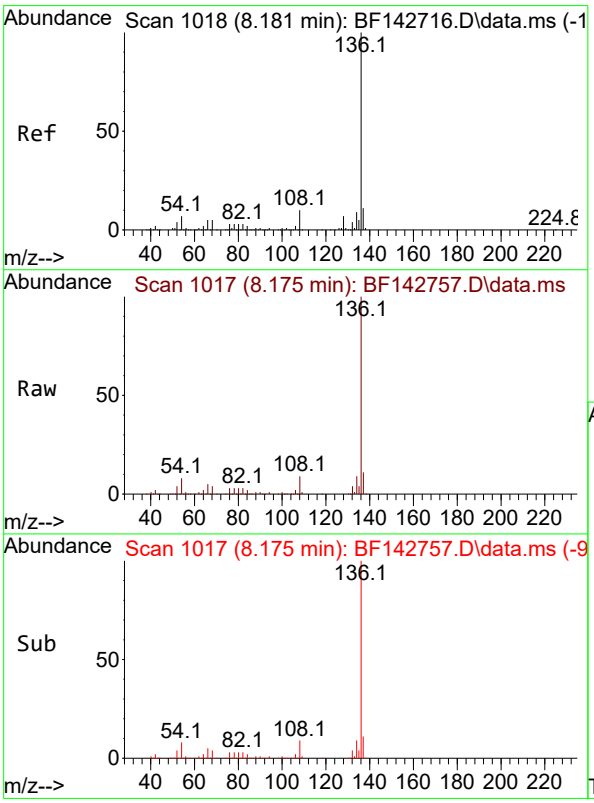
#7
Phenol-d6
Concen: 79.408 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Instrument :
BNA_F
ClientSampleId :
TP-56

Tgt Ion: 99 Resp: 443079

Ion	Ratio	Lower	Upper
99	100		
42	20.0	15.9	23.9
71	35.5	28.0	42.0

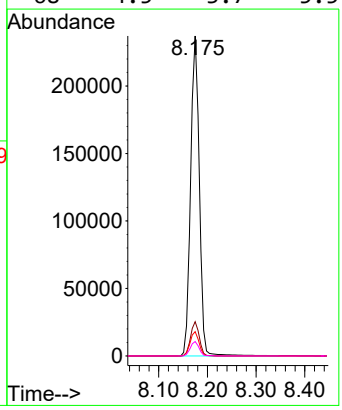


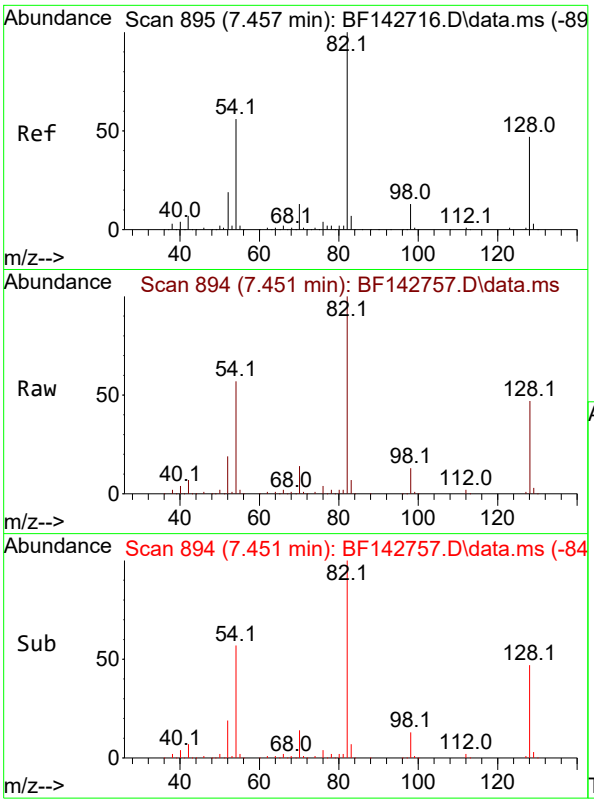


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Tgt Ion:136 Resp: 294826

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	7.6	5.9	8.9
68	4.5	3.7	5.5



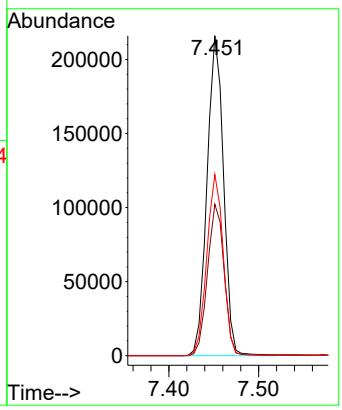


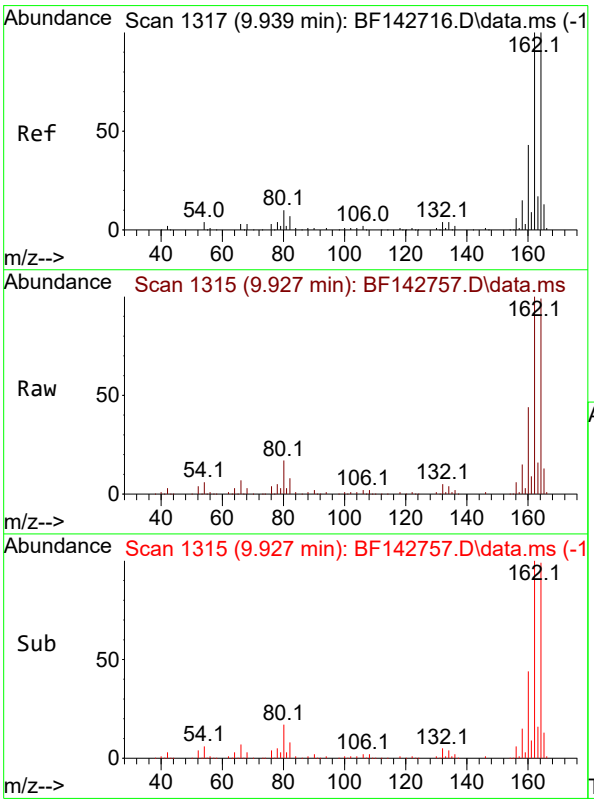
#23
Nitrobenzene-d5
Concen: 51.217 ng
RT: 7.451 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Instrument :
BNA_F
ClientSampleId :
TP-56

Tgt Ion: 82 Resp: 275911

Ion	Ratio	Lower	Upper
82	100		
128	47.4	37.8	56.8
54	56.6	44.9	67.3

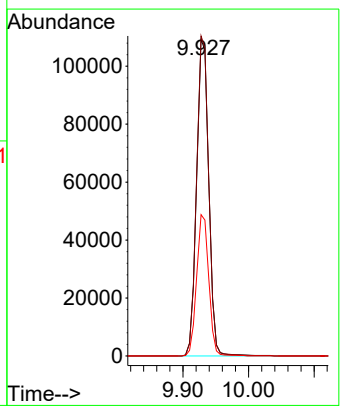


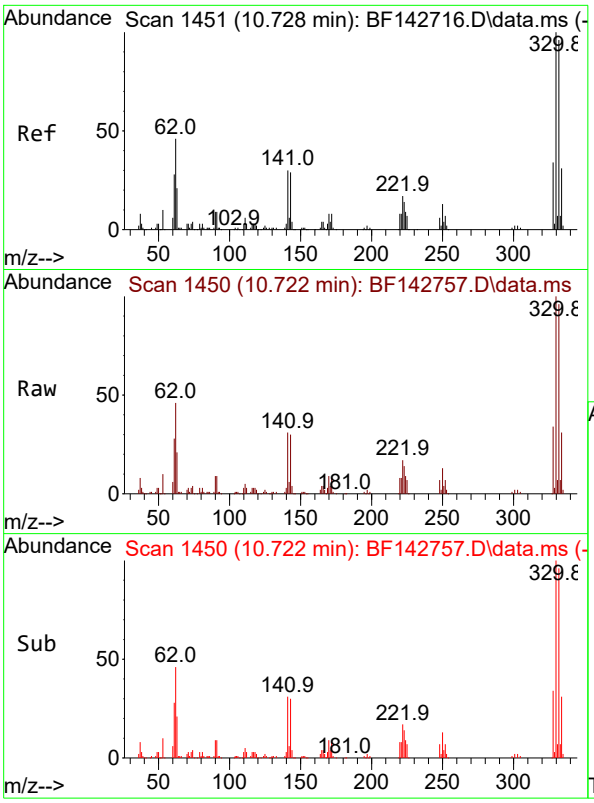


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Tgt Ion:164 Resp: 141230

Ion	Ratio	Lower	Upper
164	100		
162	101.1	79.9	119.9
160	44.7	34.8	52.2



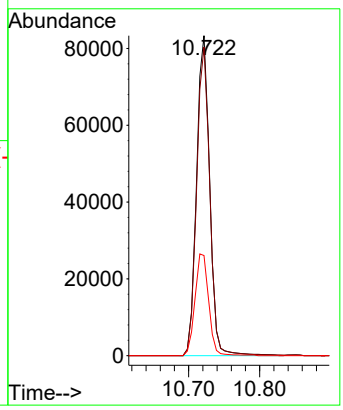


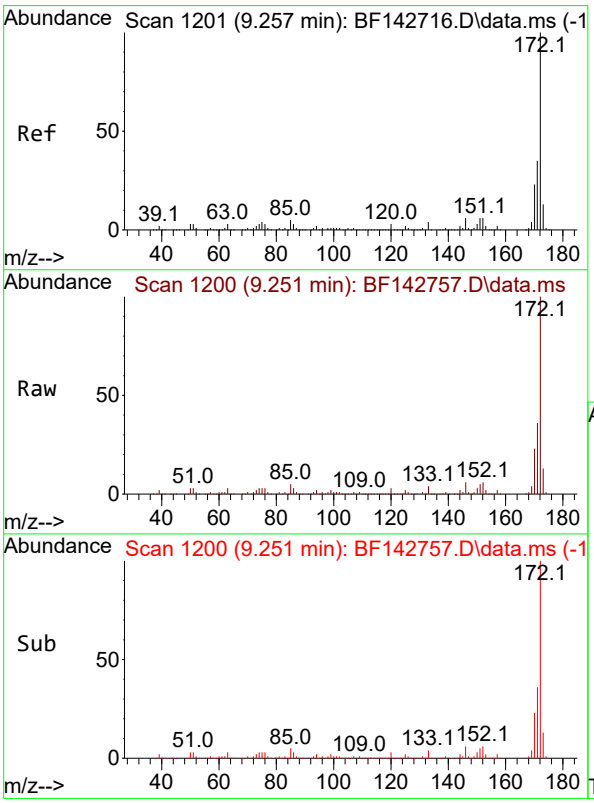
#42
2,4,6-Tribromophenol
Concen: 69.541 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Instrument :
BNA_F
ClientSampleId :
TP-56

Tgt Ion:330 Resp: 107640

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	33.2	25.4	38.0

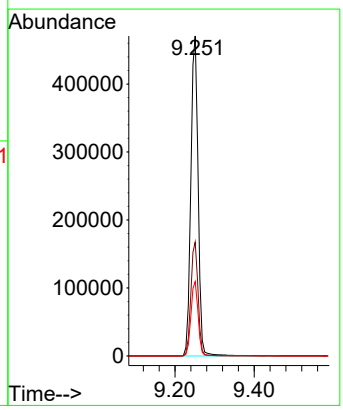


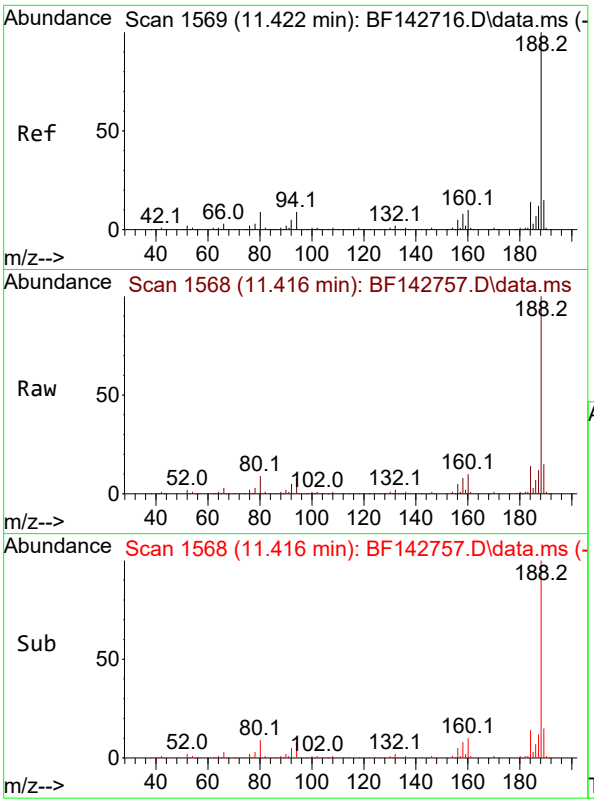


#45
2-Fluorobiphenyl
Concen: 56.655 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Tgt Ion:172 Resp: 602258

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.1	42.1
170	23.3	18.6	27.8



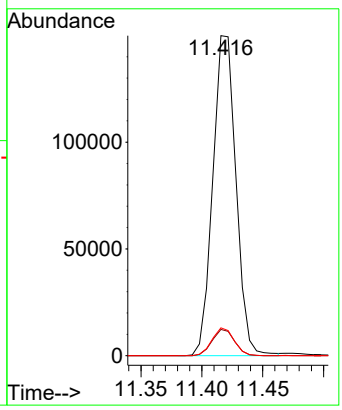


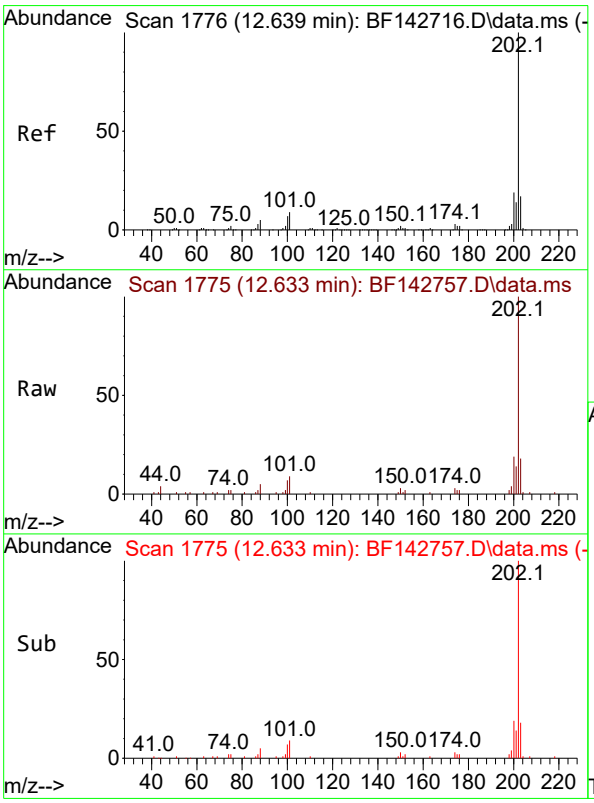
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Instrument :
BNA_F
ClientSampleId :
TP-56

Tgt Ion:188 Resp: 198627

Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.8	10.2
80	8.7	7.1	10.7

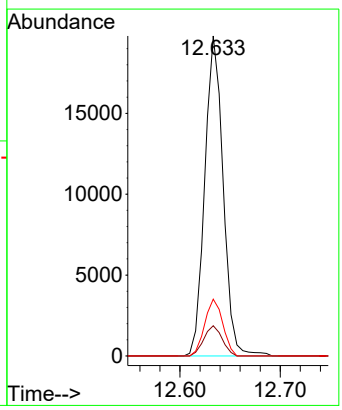


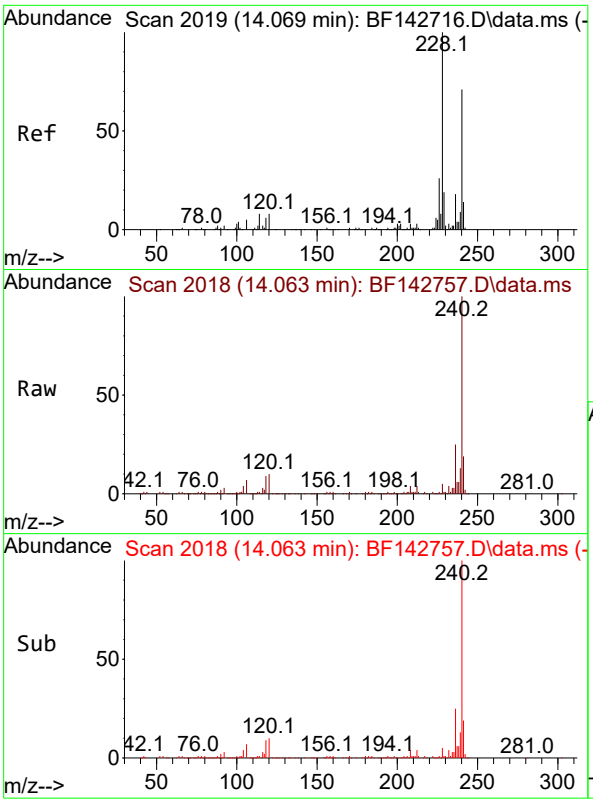


#75
Fluoranthene
Concen: 2.497 ng
RT: 12.633 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Tgt Ion:202 Resp: 25268

Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	29.5
203	17.8	0.0	37.0



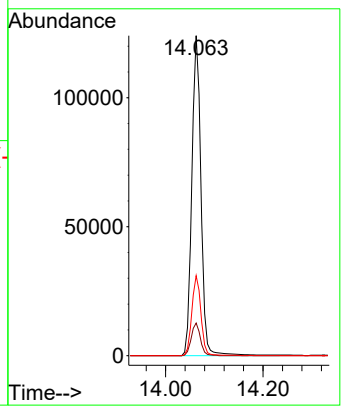


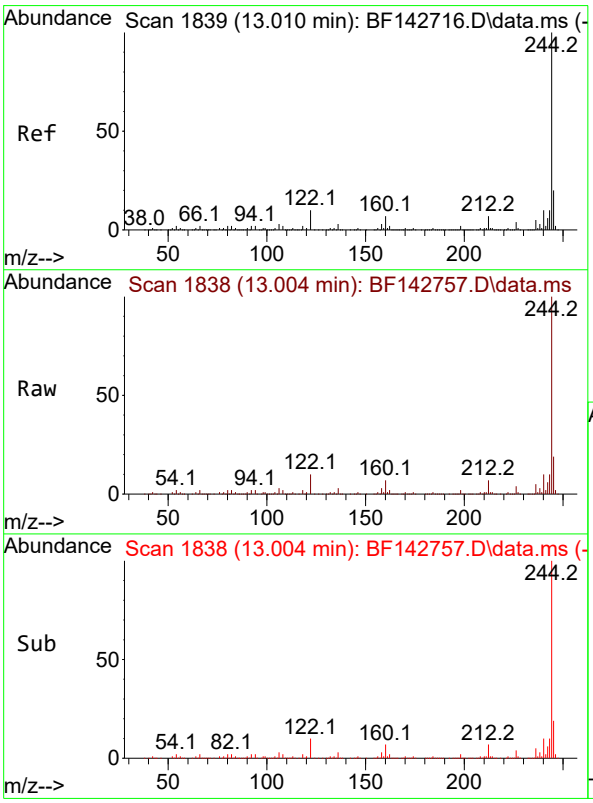
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Instrument :
BNA_F
ClientSampleId :
TP-56

Tgt Ion:240 Resp: 163027

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.5	12.7
236	25.0	20.1	30.1

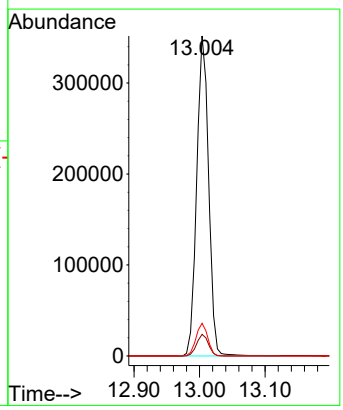


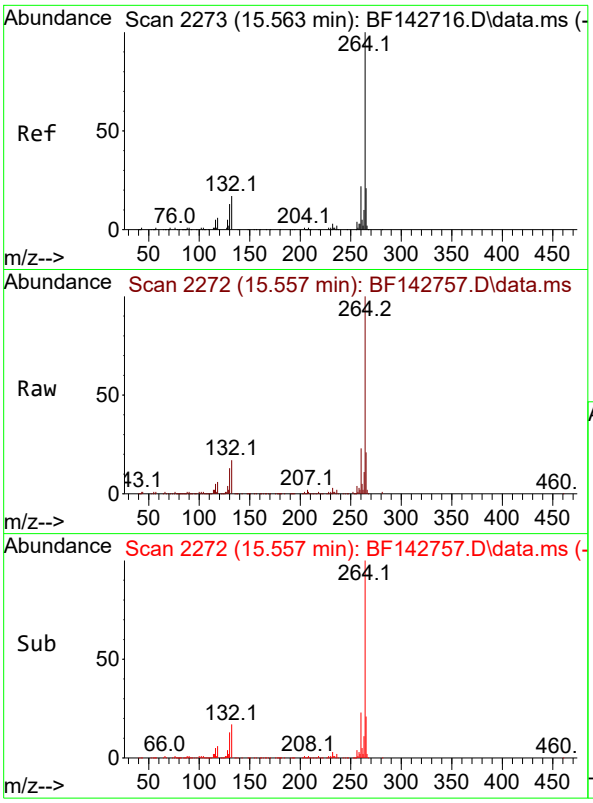


#79
Terphenyl-d14
Concen: 37.537 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Tgt Ion:244 Resp: 445566

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.2	8.3	12.5



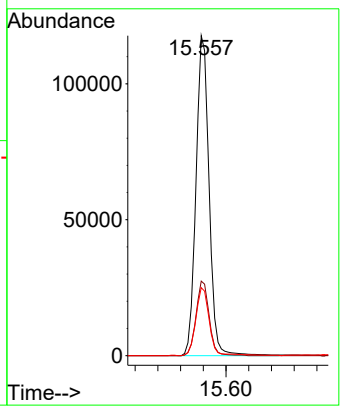


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Instrument :
BNA_F
ClientSampleId :
TP-56

Tgt Ion:264 Resp: 189069

Ion	Ratio	Lower	Upper
264	100		
260	23.3	17.8	26.6
265	21.3	16.6	25.0



Sample Results: **BF142757.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142757.D
Acq On : 12 Jun 2025 14:58
Operator : RC/JU
Sample : Q2176-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-56

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-BF061125.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142757.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.104	487	495	505	rVB	94153	142448	8.51%	1.289%
2	5.510	554	564	569	rBV	998719	1301436	77.79%	11.780%
3	6.516	729	735	750	rBV	949171	1286456	76.90%	11.645%
4	6.892	794	799	804	rBV	360498	450531	26.93%	4.078%
5	7.451	888	894	899	rBV	658961	837970	50.09%	7.585%
6	7.704	933	937	950	rVB	14314	20289	1.21%	0.184%
7	8.175	1012	1017	1033	rBV	461229	569758	34.06%	5.157%
8	9.251	1194	1200	1210	rBV	1319968	1672914	100.00%	15.143%
9	9.927	1310	1315	1328	rBV	452887	577728	34.53%	5.229%
10	10.645	1432	1437	1444	rBV	176527	225220	13.46%	2.039%
11	10.722	1444	1450	1465	rVB	605284	803223	48.01%	7.271%
12	11.416	1563	1568	1576	rBV	357203	487325	29.13%	4.411%
13	11.939	1650	1657	1670	rBV3	44253	78719	4.71%	0.713%
14	12.633	1770	1775	1778	rBV	42814	53333	3.19%	0.483%
15	12.668	1778	1781	1785	rVB	15151	18351	1.10%	0.166%
16	12.821	1803	1807	1810	rBV	26904	32548	1.95%	0.295%
17	12.863	1810	1814	1818	rVB	32858	43104	2.58%	0.390%
18	13.004	1833	1838	1843	rBV	922437	1149826	68.73%	10.408%
19	13.527	1922	1927	1931	rBV	17234	20804	1.24%	0.188%
20	13.898	1985	1990	1999	rVB2	50971	79777	4.77%	0.722%
21	14.063	2010	2018	2032	rBV	346019	502028	30.01%	4.544%
22	14.221	2041	2045	2051	rBV	13156	19195	1.15%	0.174%
23	14.527	2093	2097	2104	rBV3	19636	36923	2.21%	0.334%
24	15.115	2192	2197	2205	rBV	25865	62036	3.71%	0.562%
25	15.427	2246	2250	2256	rVB	13518	21090	1.26%	0.191%
26	15.492	2257	2261	2266	rVV	17064	26165	1.56%	0.237%
27	15.557	2266	2272	2287	rVV	313997	528502	31.59%	4.784%

Sum of corrected areas: 11047699

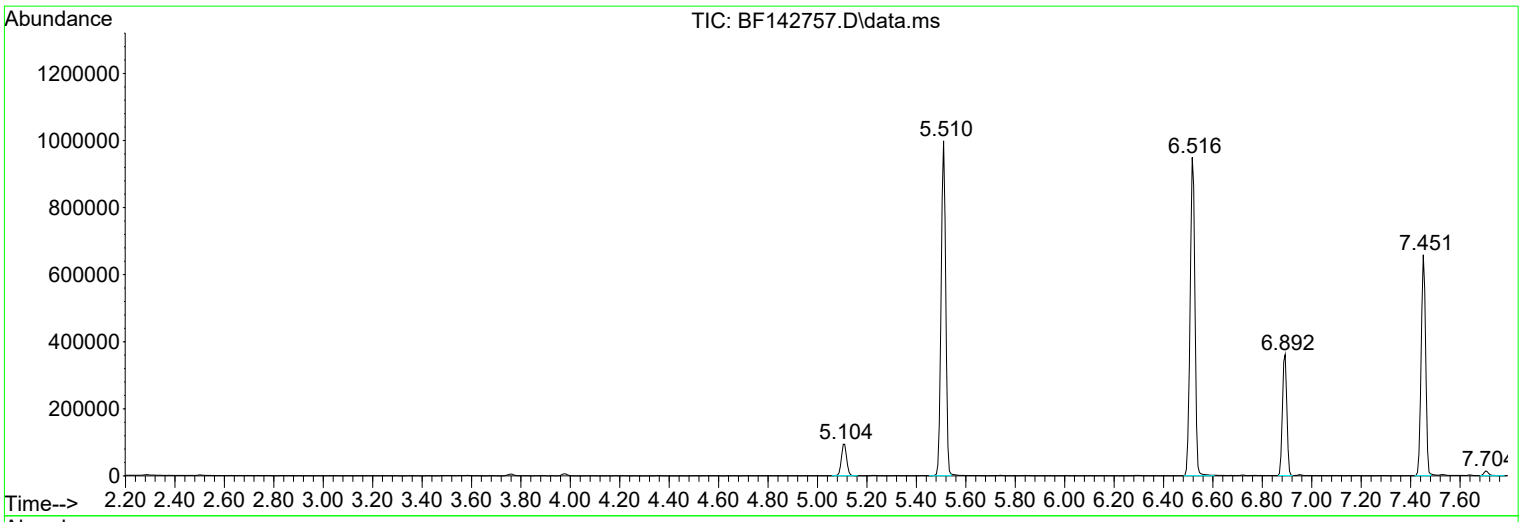
Sample Results: **BF142757.D**

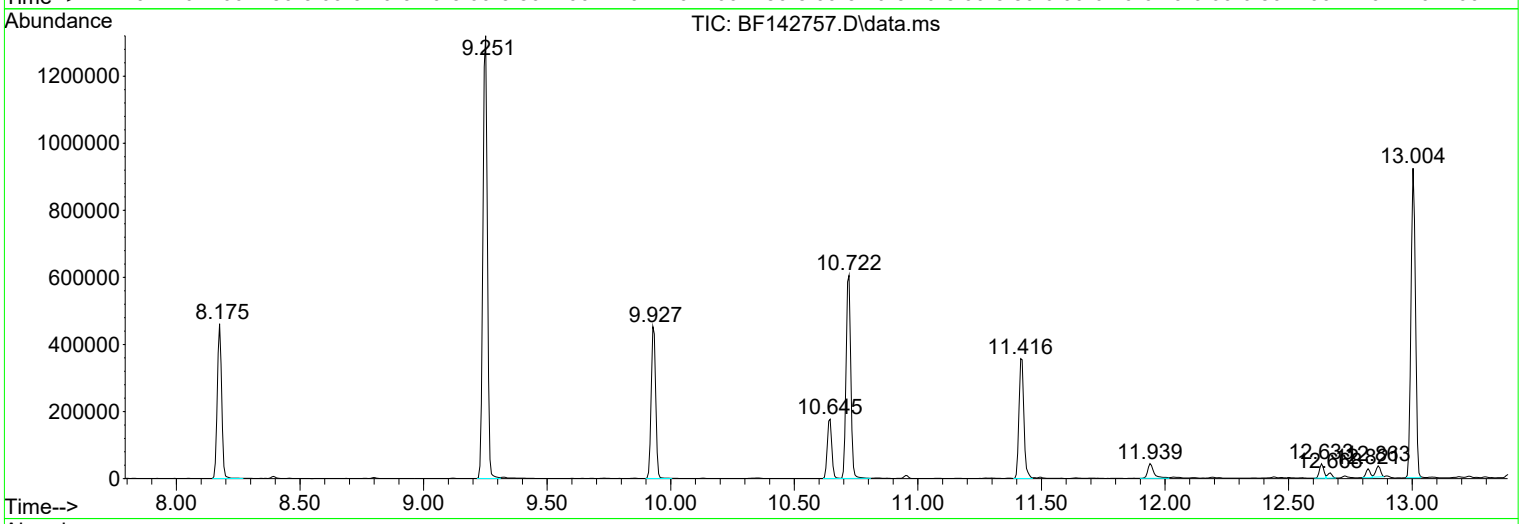
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142757.D
Acq On : 12 Jun 2025 14:58
Operator : RC/JU
Sample : Q2176-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

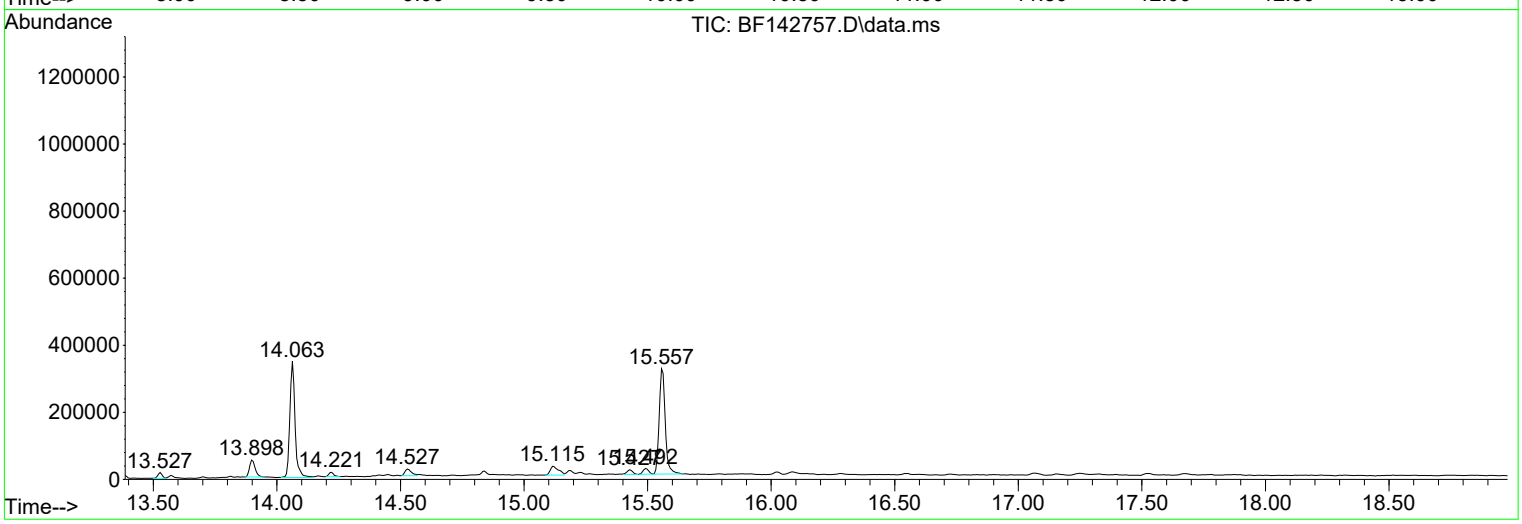
Instrument :
BNA_F
ClientSampleId :
TP-56

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.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\BF061225\
Data File : BF142757.D
Acq On : 12 Jun 2025 14:58
Operator : RC/JU
Sample : Q2176-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-56

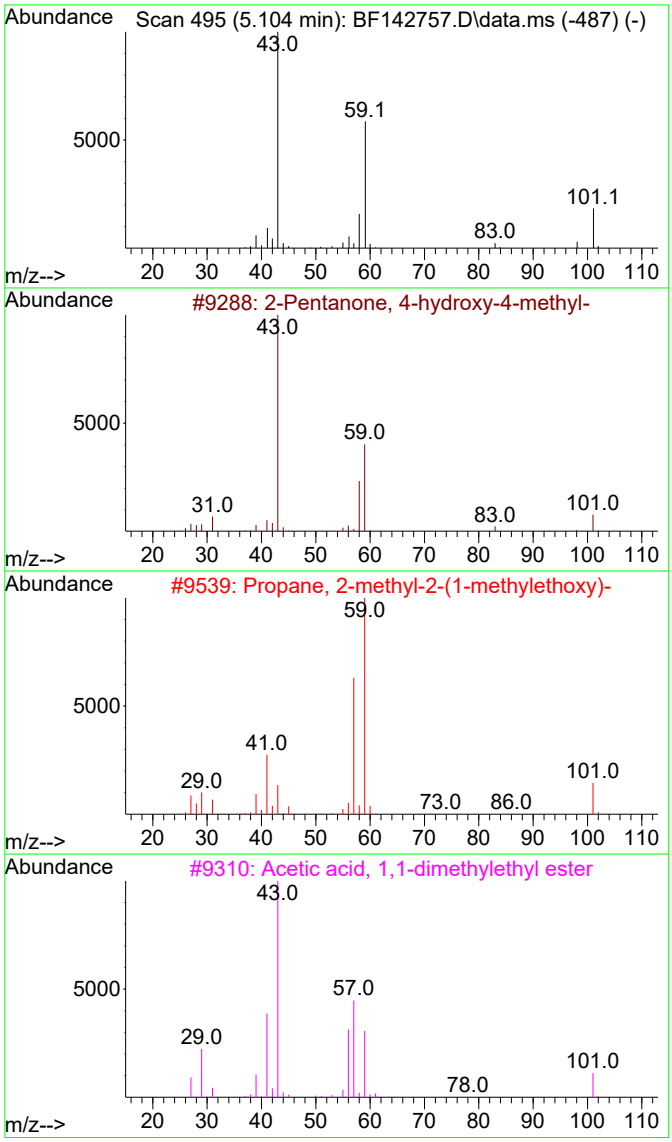
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

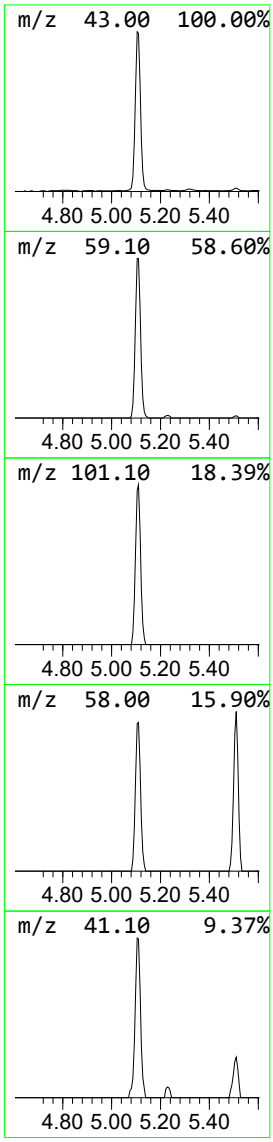
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.104	6.32 ng	142448	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	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\BF061225\
Data File : BF142757.D
Acq On : 12 Jun 2025 14:58
Operator : RC/JU
Sample : Q2176-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-56

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

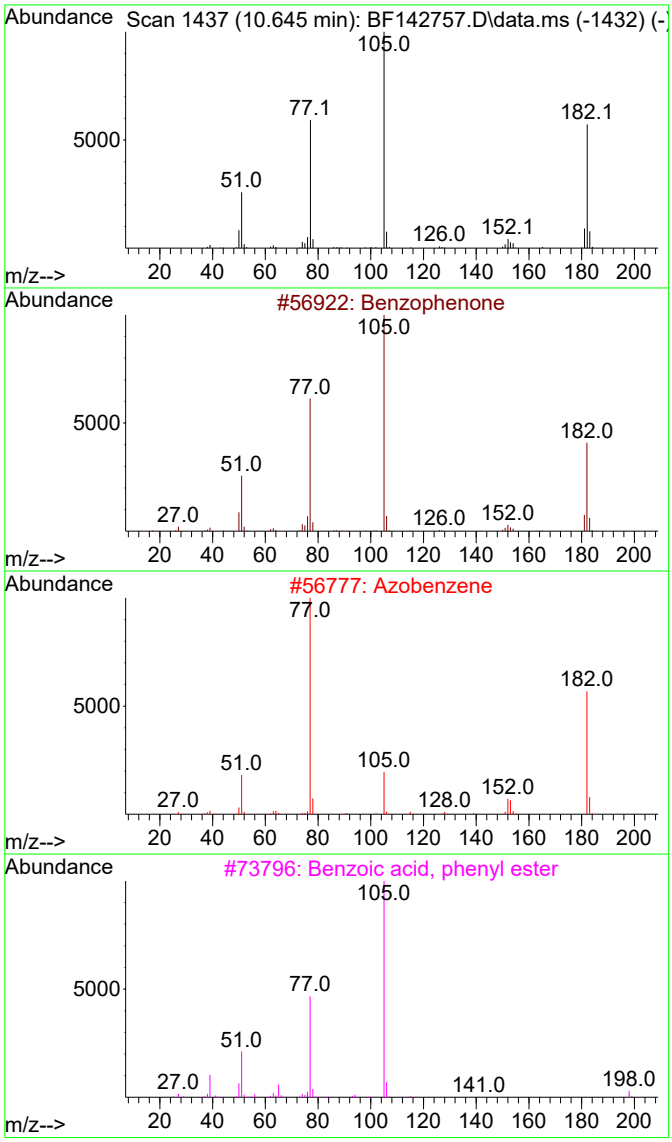
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

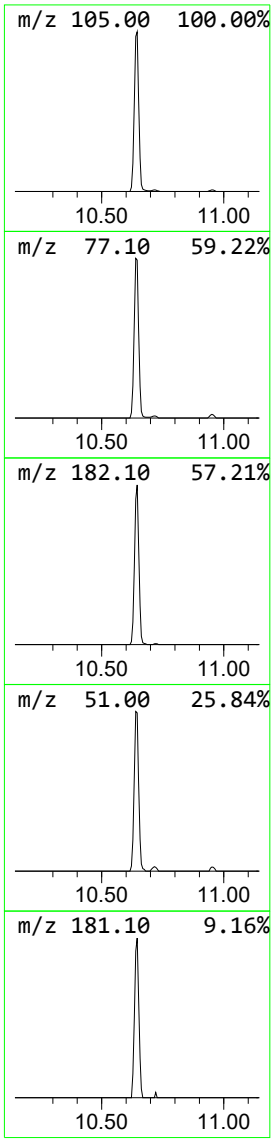
****

Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.645	7.80 ng	225220	Acenaphthene-d10	9.927

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Azobenzene	182	C12H10N2	000103-33-3	59
3	Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	47
4	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
5	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	47





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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142757.D
Acq On    : 12 Jun 2025  14:58
Operator  : RC/JU
Sample    : Q2176-02
Misc      :
ALS Vial  : 11   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

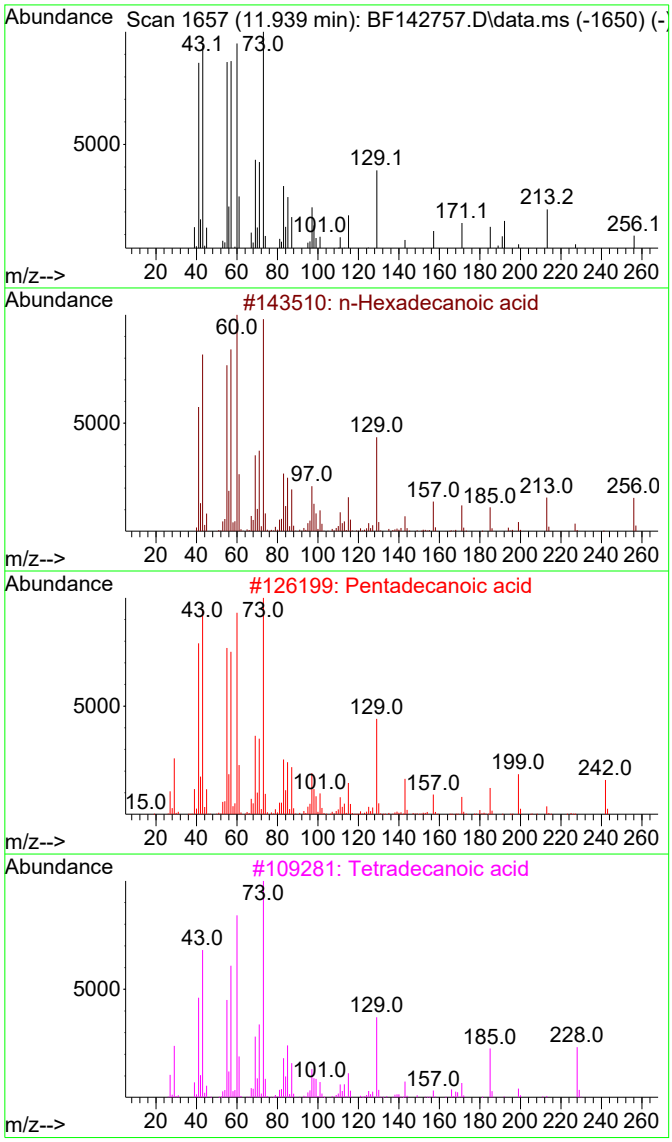
Instrument :
BNA_F
ClientSampleId :
TP-56

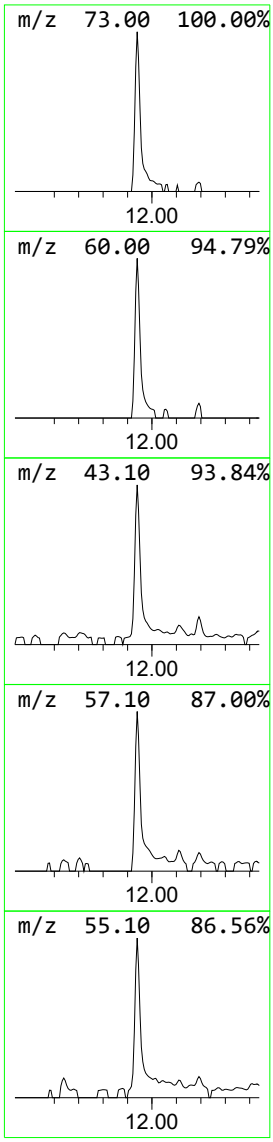
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	3.23 ng	78719	Phenanthrene-d10	11.416

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	87
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
4	Tridecanoic acid	214	C13H26O2	000638-53-9	58
5	n-Decanoic acid	172	C10H20O2	000334-48-5	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142757.D
Acq On : 12 Jun 2025 14:58
Operator : RC/JU
Sample : Q2176-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-56

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

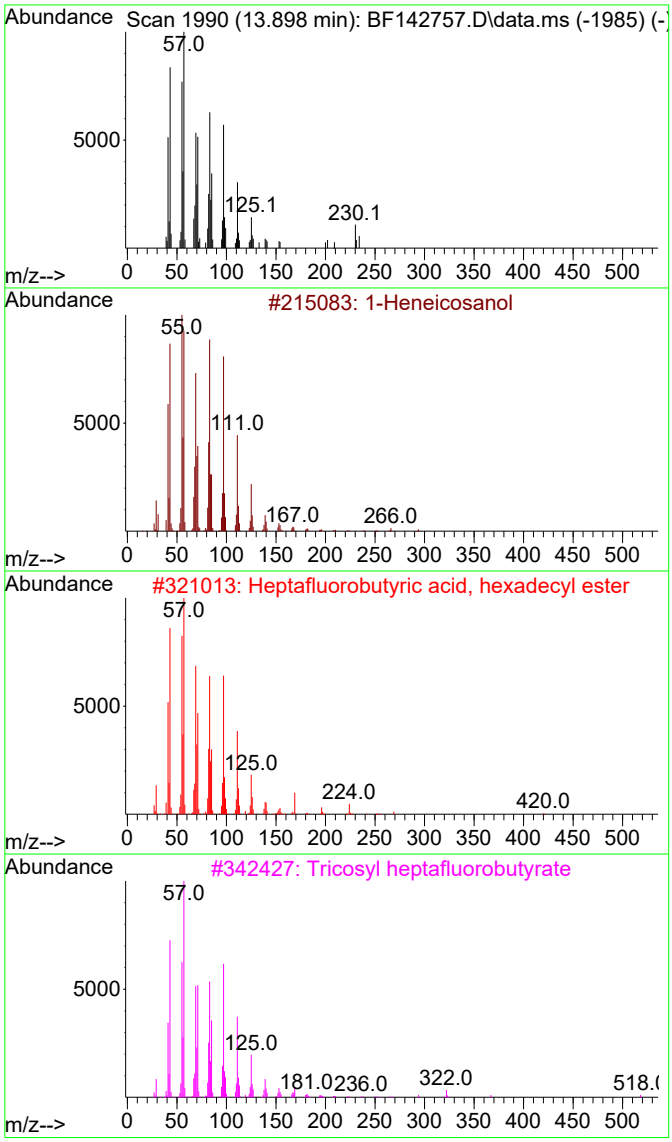
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

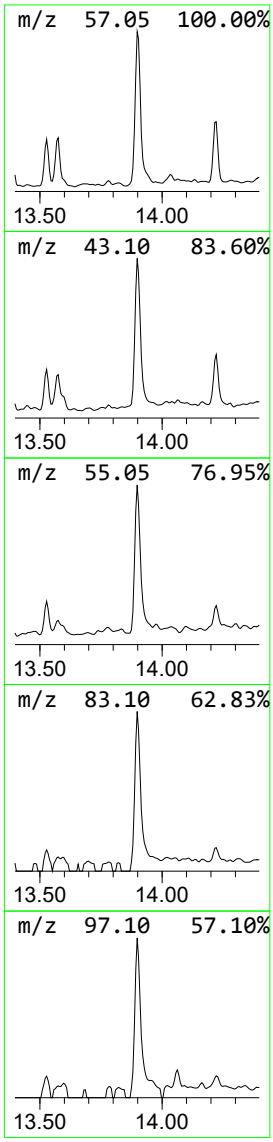
****

Peak Number 4 1-Heneicosanol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.898	3.18 ng	79777	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	93
2	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	87
3	Tricosyl heptafluorobutyrate	536	C27H47F7O2	1000351-83-4	87
4	Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	87
5	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142757.D
Acq On : 12 Jun 2025 14:58
Operator : RC/JU
Sample : Q2176-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-56

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.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-...	5.104	6.3	ng	142448	1	6.892	450531	20.0
Benzophenone	10.645	7.8	ng	225220	3	9.927	577728	20.0
n-Hexadecanoic ...	11.939	3.2	ng	78719	4	11.416	487325	20.0
1-Heneicosanol	13.898	3.2	ng	79777	5	14.063	502028	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024908.D
Acq On : 11 Jun 2025 12:18
Operator : RC/JU
Sample : Q2176-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-25

Quant Time: Jun 11 12:45:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

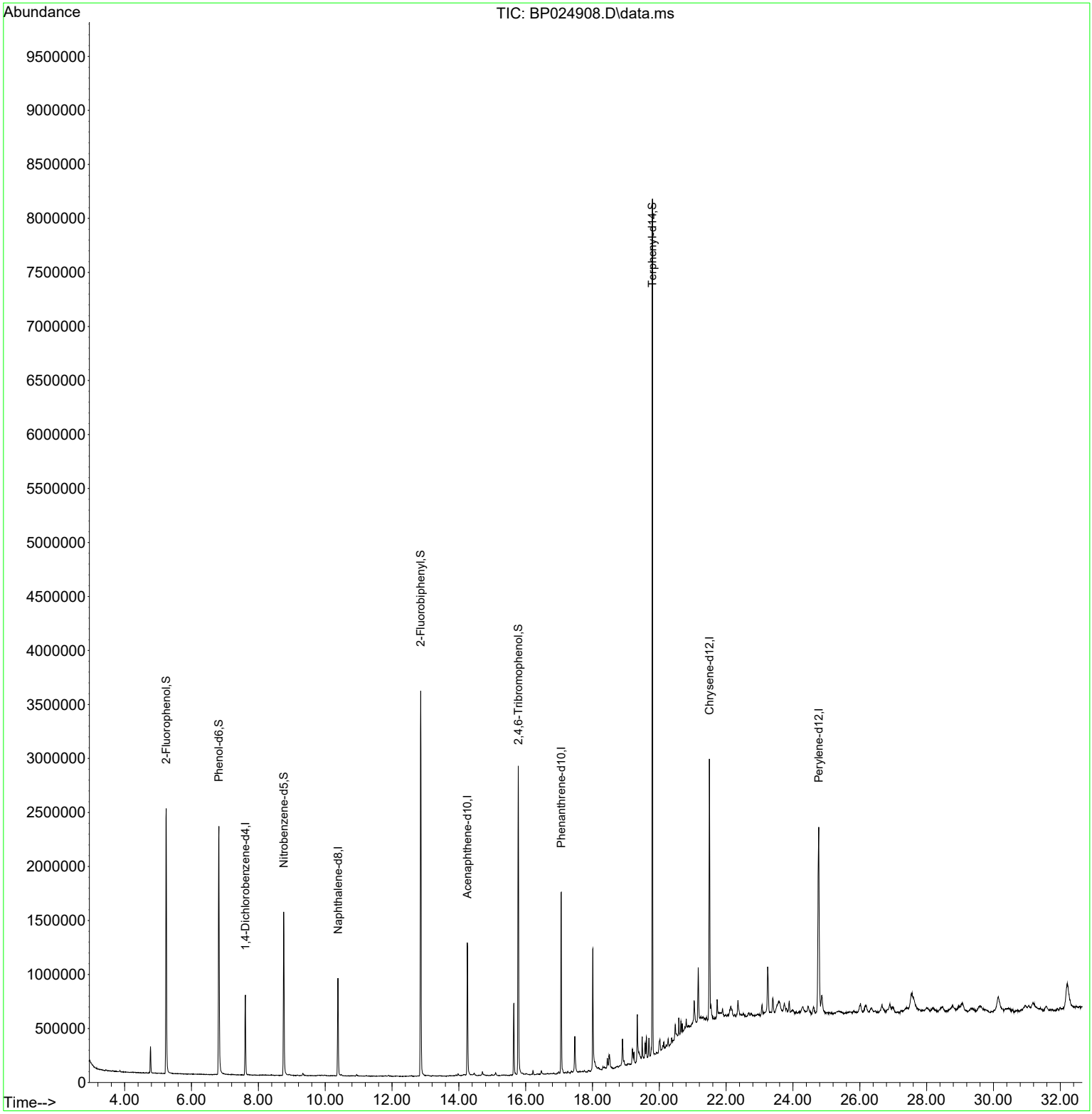
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.613	152	205856	20.000	ng	0.00
21) Naphthalene-d8	10.384	136	780618	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	477183	20.000	ng	0.00
64) Phenanthrene-d10	17.066	188	971702	20.000	ng	0.00
76) Chrysene-d12	21.501	240	1285001	20.000	ng	0.02
86) Perylene-d12	24.771	264	1716480	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	1152186	93.426	ng	0.00
7) Phenol-d6	6.819	99	1470782	90.136	ng	0.00
23) Nitrobenzene-d5	8.760	82	879362	54.740	ng	0.00
42) 2,4,6-Tribromophenol	15.783	330	639862	96.988	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	1913889	54.030	ng	0.00
79) Terphenyl-d14	19.795	244	3478646	48.518	ng	0.00
Target Compounds						Qvalue

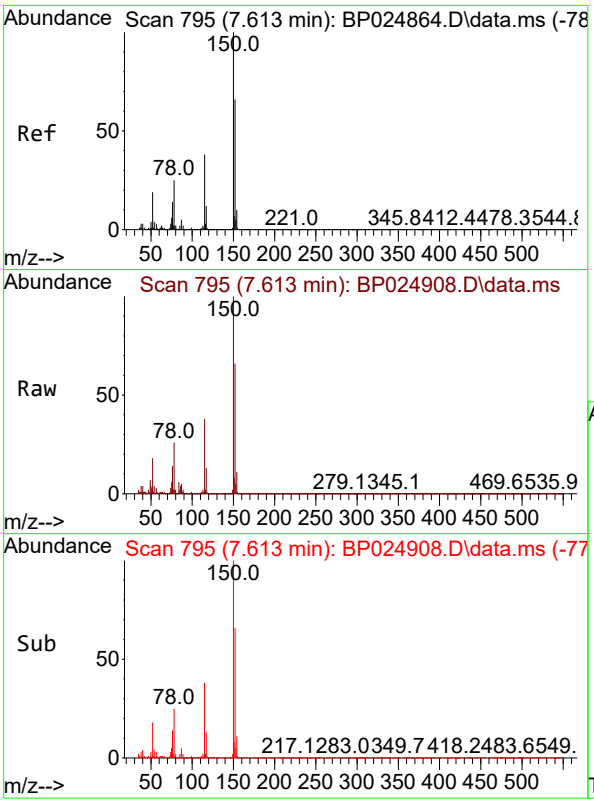
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024908.D
Acq On : 11 Jun 2025 12:18
Operator : RC/JU
Sample : Q2176-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-25

Quant Time: Jun 11 12:45:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration



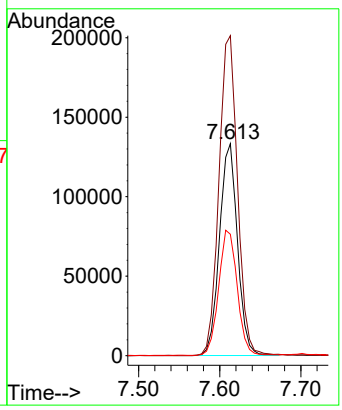


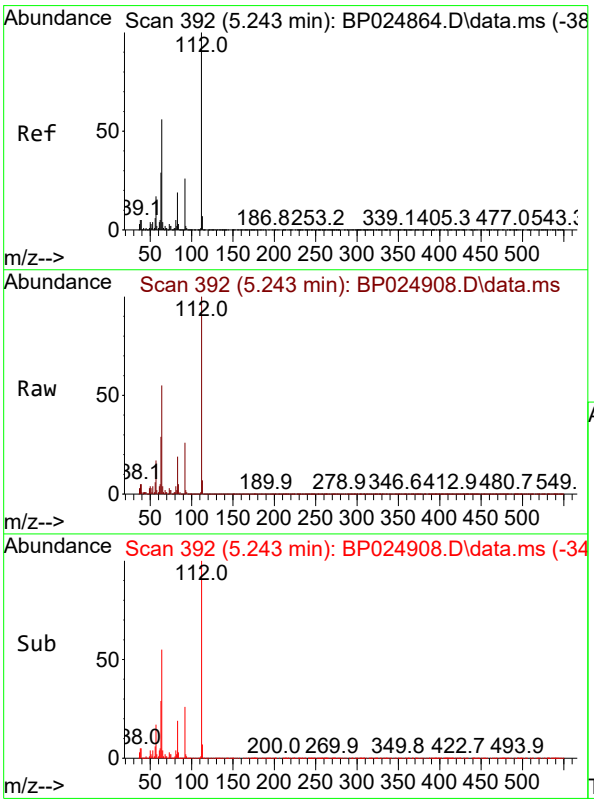
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.613 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

Instrument :
BNA_P
ClientSampleId :
TP-25

Tgt Ion:152 Resp: 205856

Ion	Ratio	Lower	Upper
152	100		
150	151.0	122.1	183.1
115	57.3	46.4	69.6

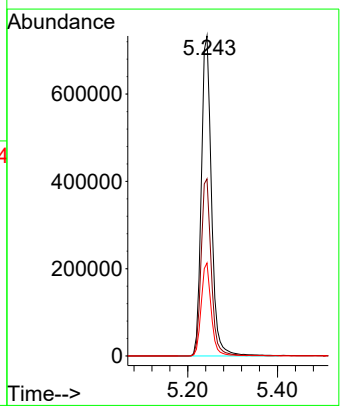


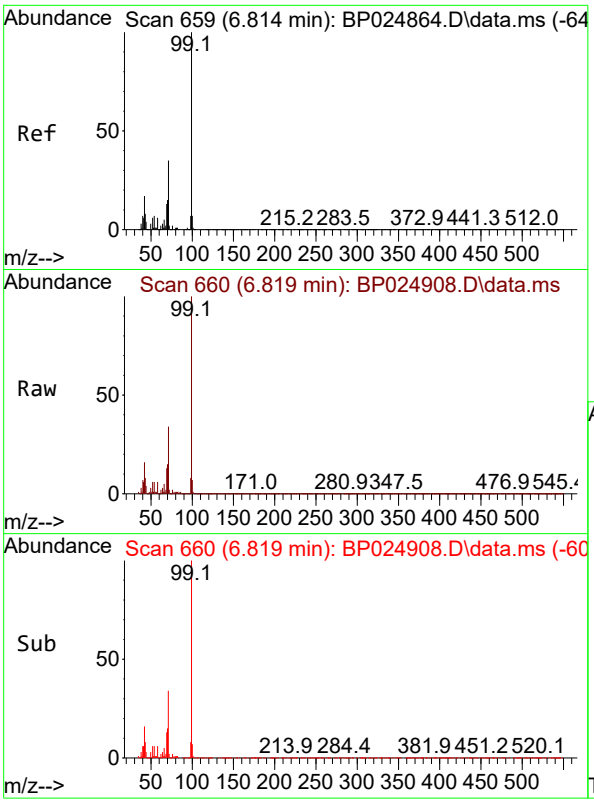


#5
2-Fluorophenol
Concen: 93.426 ng
RT: 5.243 min Scan# 392
Delta R.T. -0.000 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

Tgt Ion:112 Resp: 1152186

Ion	Ratio	Lower	Upper
112	100		
64	55.3	44.7	67.1
63	29.0	23.5	35.3



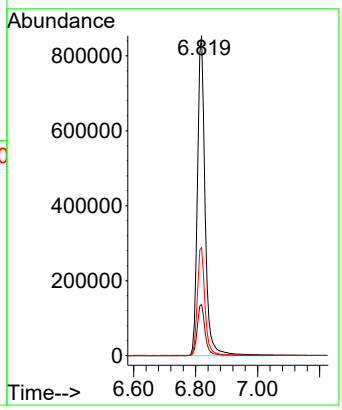


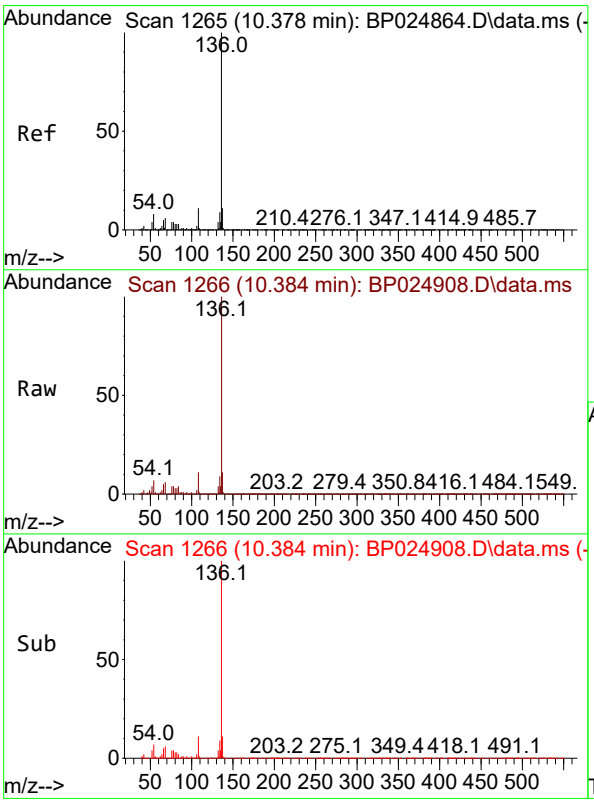
#7
Phenol-d6
Concen: 90.136 ng
RT: 6.819 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

Instrument :
BNA_P
ClientSampleId :
TP-25

Tgt Ion: 99 Resp: 1470782

Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.4	20.2
71	33.8	27.6	41.4

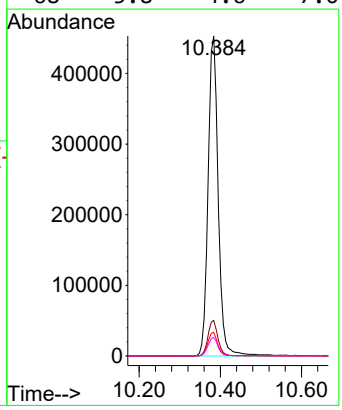


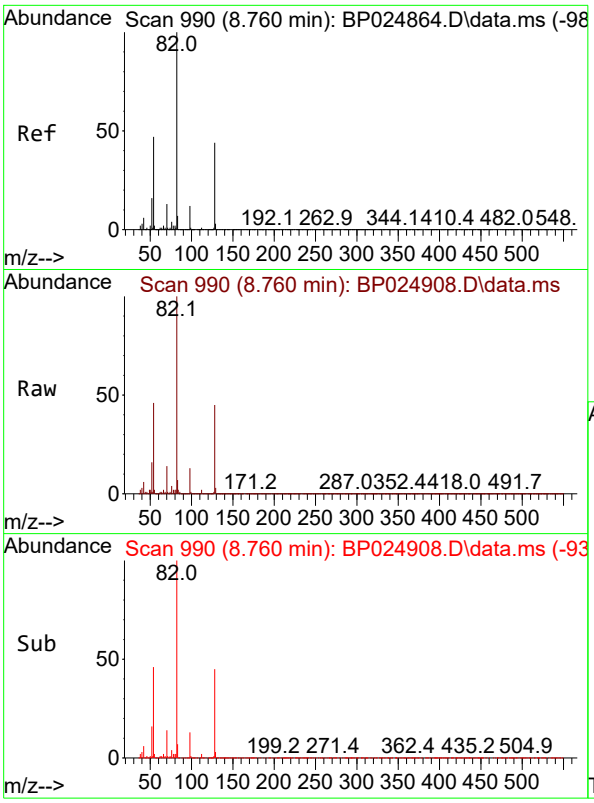


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.384 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

Tgt Ion:136 Resp: 780618

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.4	6.1	9.1
68	5.8	4.6	7.0



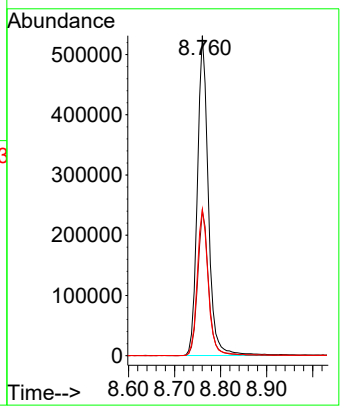


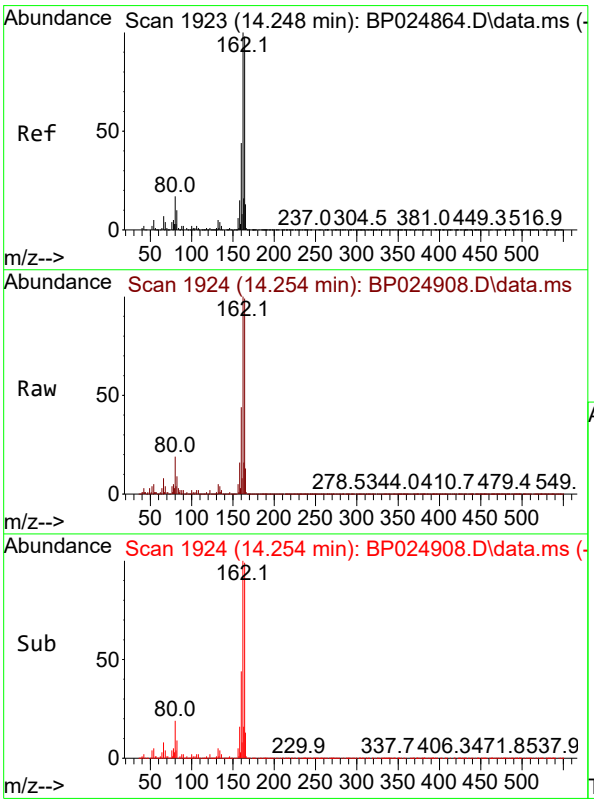
#23
Nitrobenzene-d5
Concen: 54.740 ng
RT: 8.760 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

Instrument :
BNA_P
ClientSampleId :
TP-25

Tgt Ion: 82 Resp: 879362

Ion	Ratio	Lower	Upper
82	100		
128	45.4	35.3	52.9
54	45.8	37.4	56.0

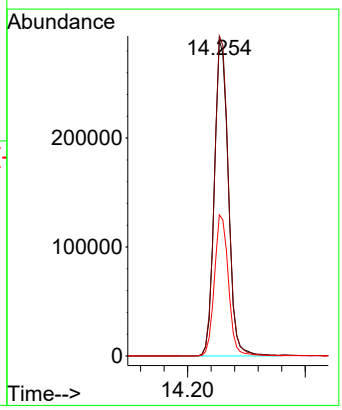


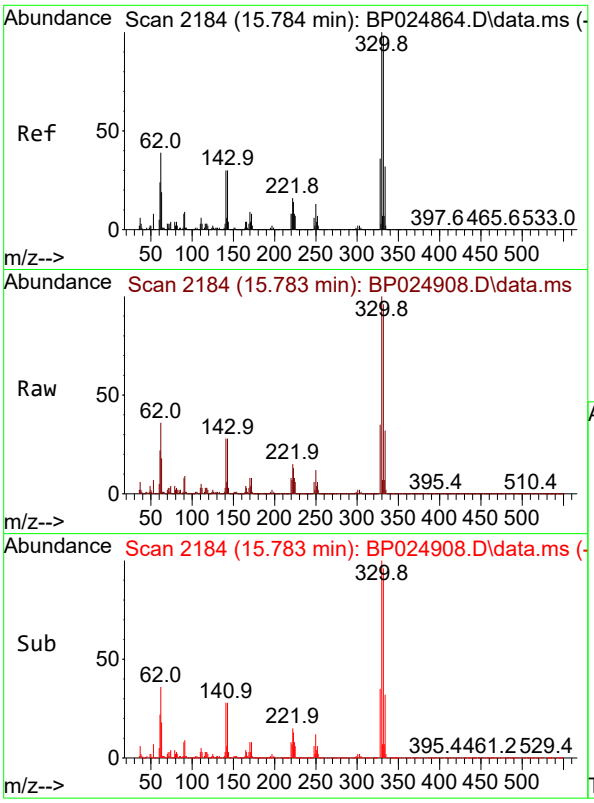


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

Tgt Ion:164 Resp: 477183

Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.6	122.4
160	44.7	36.2	54.2



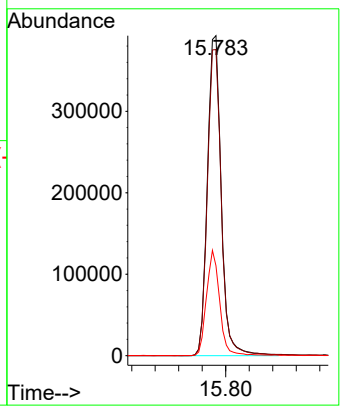


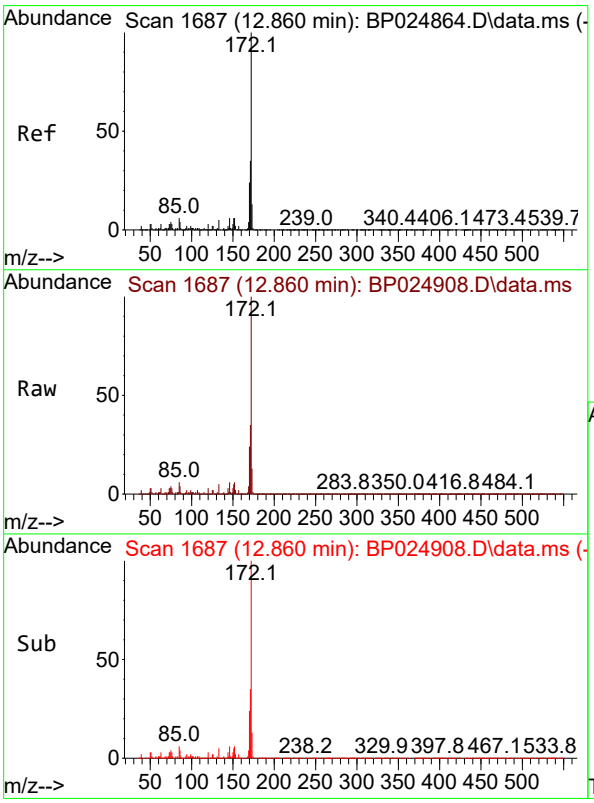
#42
2,4,6-Tribromophenol
Concen: 96.988 ng
RT: 15.783 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

Instrument :
BNA_P
ClientSampleId :
TP-25

Tgt Ion:330 Resp: 639862

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.7	116.5
141	31.5	26.4	39.6

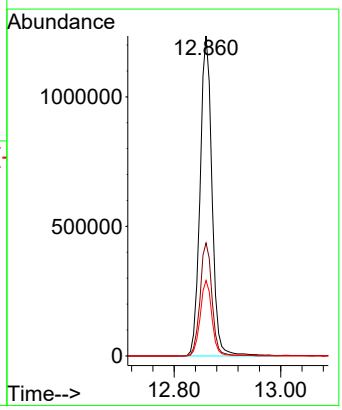


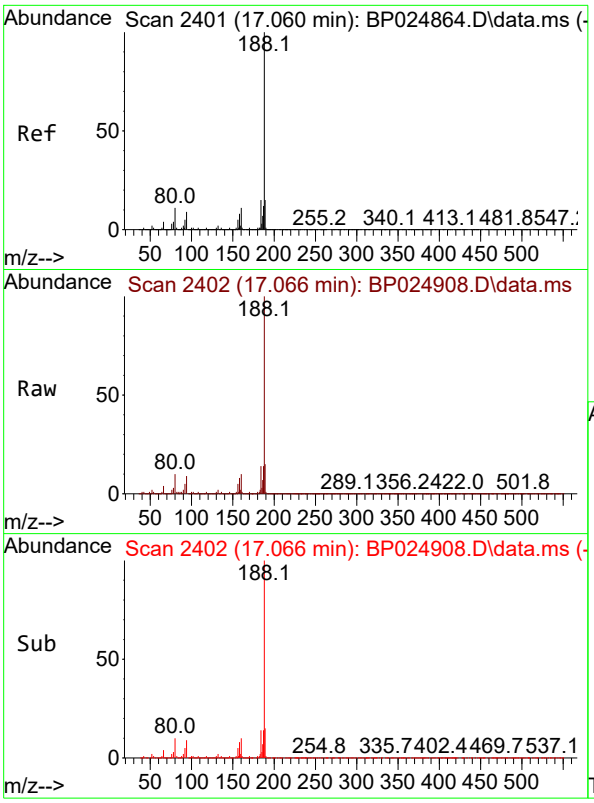


#45
2-Fluorobiphenyl
Concen: 54.030 ng
RT: 12.860 min Scan# 1687
Delta R.T. -0.000 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

Tgt Ion:172 Resp: 1913889

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.3	42.5
170	23.6	19.0	28.4



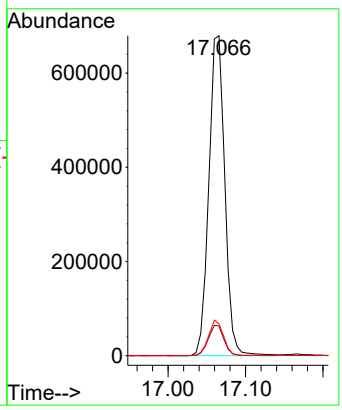


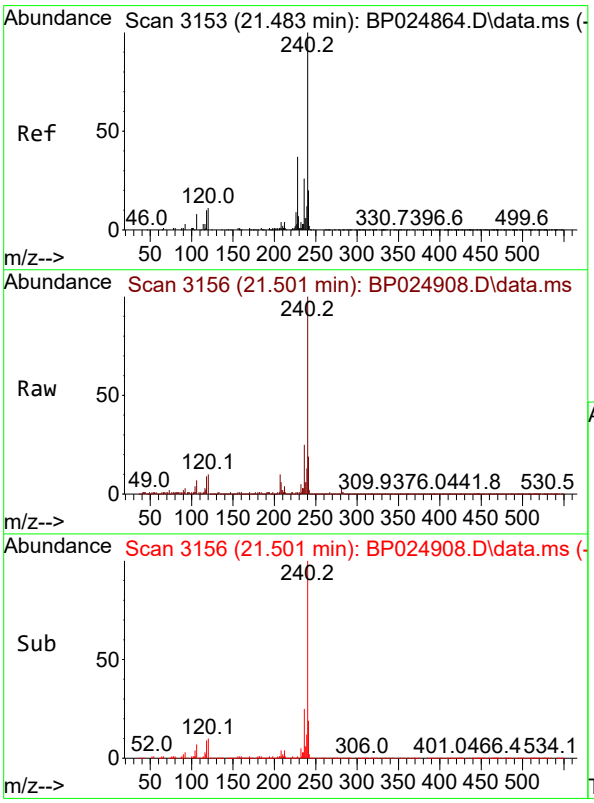
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.066 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

Instrument :
BNA_P
ClientSampleId :
TP-25

Tgt Ion:188 Resp: 971702

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.3	10.9
80	10.0	8.5	12.7

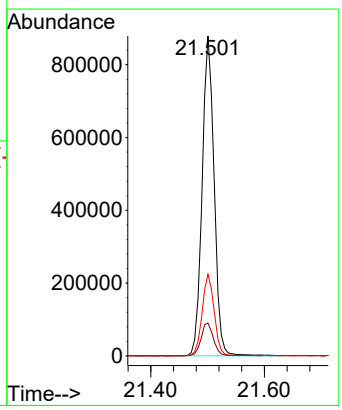


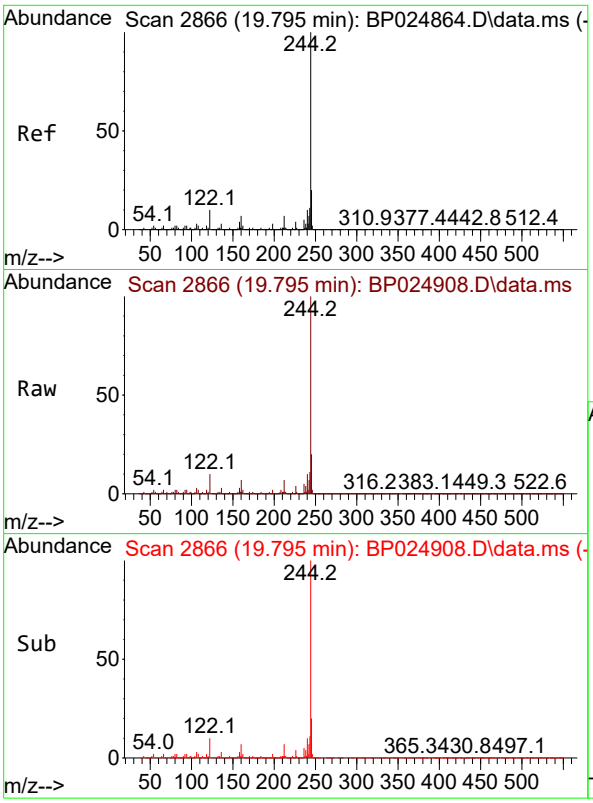


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.501 min Scan# 3156
Delta R.T. 0.017 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

Tgt Ion:240 Resp: 1285001

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.9	13.3
236	25.5	20.9	31.3



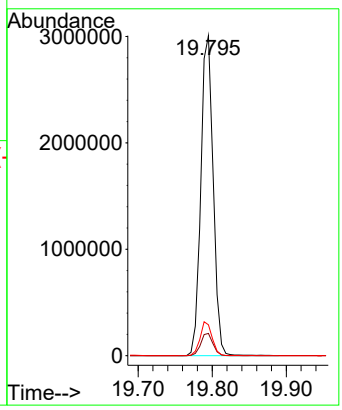


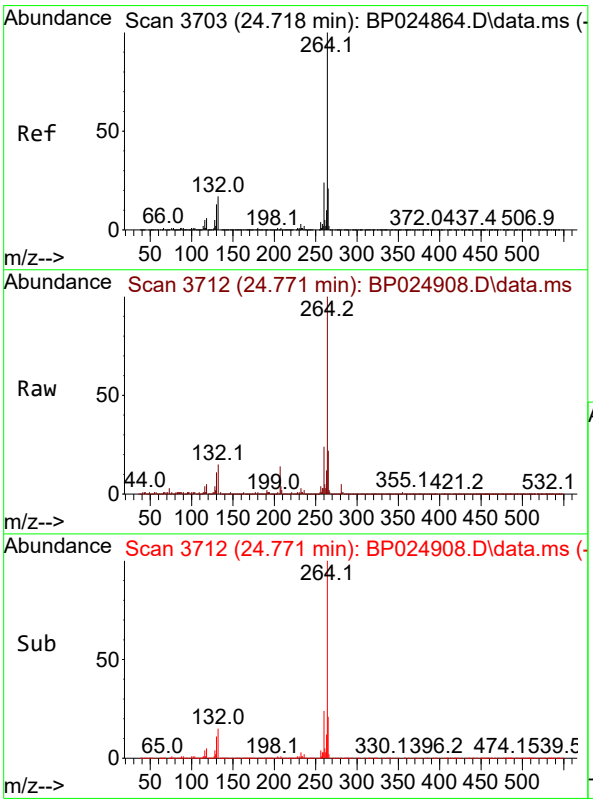
#79
Terphenyl-d14
Concen: 48.518 ng
RT: 19.795 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

Instrument :
BNA_P
ClientSampleId :
TP-25

Tgt Ion:244 Resp: 3478646

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	9.6	7.7	11.5

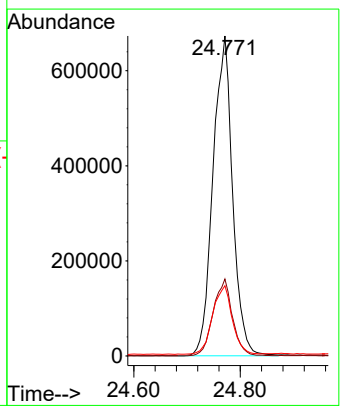




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.771 min Scan# 3712
Delta R.T. 0.053 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

Tgt Ion:264 Resp: 1716480

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.4
265	21.9	17.4	26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024908.D
Acq On : 11 Jun 2025 12:18
Operator : RC/JU
Sample : Q2176-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-25

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_P\Methods\8270E-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024908.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	% of max.	% of total
1	4.772	307	312	321	rVB	245918	345050	3.72%	0.640%
2	5.243	385	392	412	rBV	2455094	3857736	41.55%	7.154%
3	6.819	653	660	682	rBV	2295706	3966164	42.72%	7.355%
4	7.613	788	795	804	rBV	741564	1185390	12.77%	2.198%
5	8.760	983	990	1010	rBV	1514720	2515237	27.09%	4.664%
6	10.384	1259	1266	1278	rBV	904865	1545590	16.65%	2.866%
7	12.860	1680	1687	1698	rBV	3566775	5493077	59.17%	10.186%
8	14.254	1916	1924	1940	rBV	1226901	2081236	22.42%	3.859%
9	15.648	2154	2161	2174	rBV	667270	1026520	11.06%	1.904%
10	15.777	2177	2183	2201	rVV	2853430	4583820	49.38%	8.500%
11	17.066	2395	2402	2414	rBV2	1677671	2469568	26.60%	4.579%
12	17.471	2465	2471	2482	rVB	326743	588769	6.34%	1.092%
13	18.013	2553	2563	2571	rBV	1135615	1803986	19.43%	3.345%
14	18.442	2633	2636	2641	rBV3	85649	133608	1.44%	0.248%
15	18.507	2641	2647	2657	rVB2	122796	294729	3.17%	0.547%
16	18.901	2709	2714	2728	rVB2	242821	483559	5.21%	0.897%
17	19.195	2759	2764	2769	rBV	139071	287750	3.10%	0.534%
18	19.242	2769	2772	2779	rVB2	101390	153381	1.65%	0.284%
19	19.342	2784	2789	2797	rBV	437442	811111	8.74%	1.504%
20	19.489	2810	2814	2822	rBV2	199516	236490	2.55%	0.439%
21	19.577	2825	2829	2832	rVV	136174	196689	2.12%	0.365%
22	19.613	2832	2835	2840	rVB	195297	241160	2.60%	0.447%
23	19.689	2844	2848	2853	rVB	167342	239435	2.58%	0.444%
24	19.795	2861	2866	2874	rVB	7921198	9283661	100.00%	17.215%
25	20.018	2898	2904	2909	rVB3	100281	236174	2.54%	0.438%
26	20.583	2997	3000	3006	rBV	162577	170743	1.84%	0.317%
27	21.042	3076	3078	3088	rVB2	201110	336206	3.62%	0.623%
28	21.165	3094	3099	3106	rBV2	485191	801502	8.63%	1.486%
29	21.501	3150	3156	3162	rBV	2386886	3641662	39.23%	6.753%
30	23.242	3449	3452	3462	rVB	425501	862400	9.29%	1.599%
31	24.771	3704	3712	3721	rVB	1658605	4055406	43.68%	7.520%

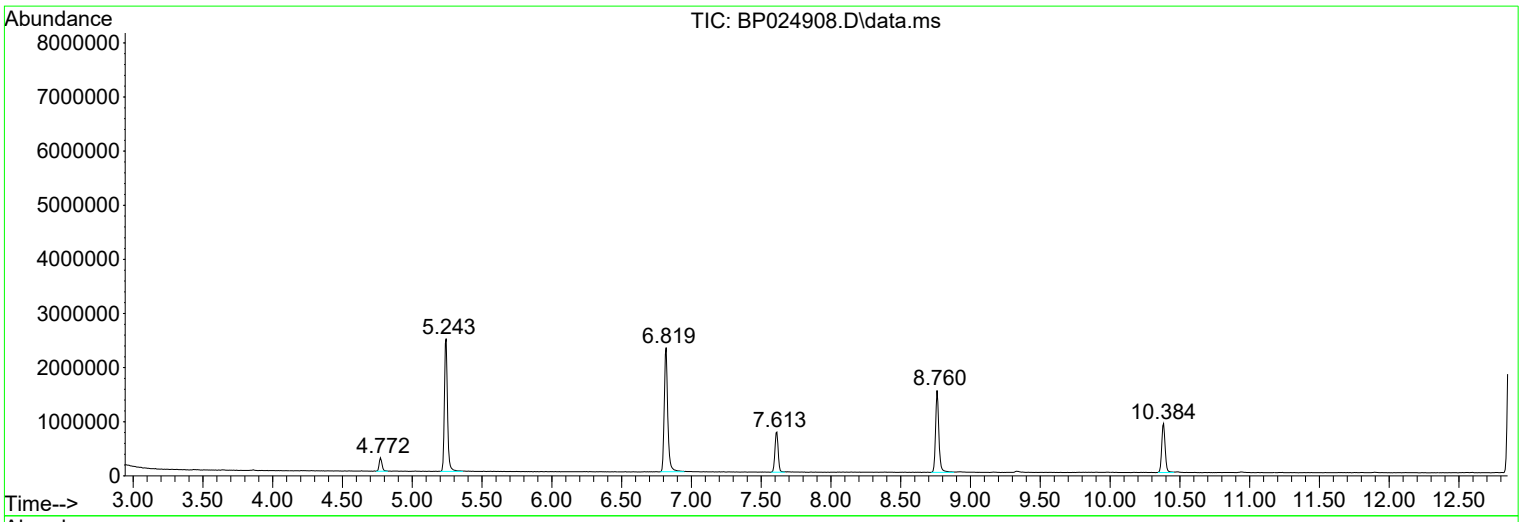
Sum of corrected areas: 53927809

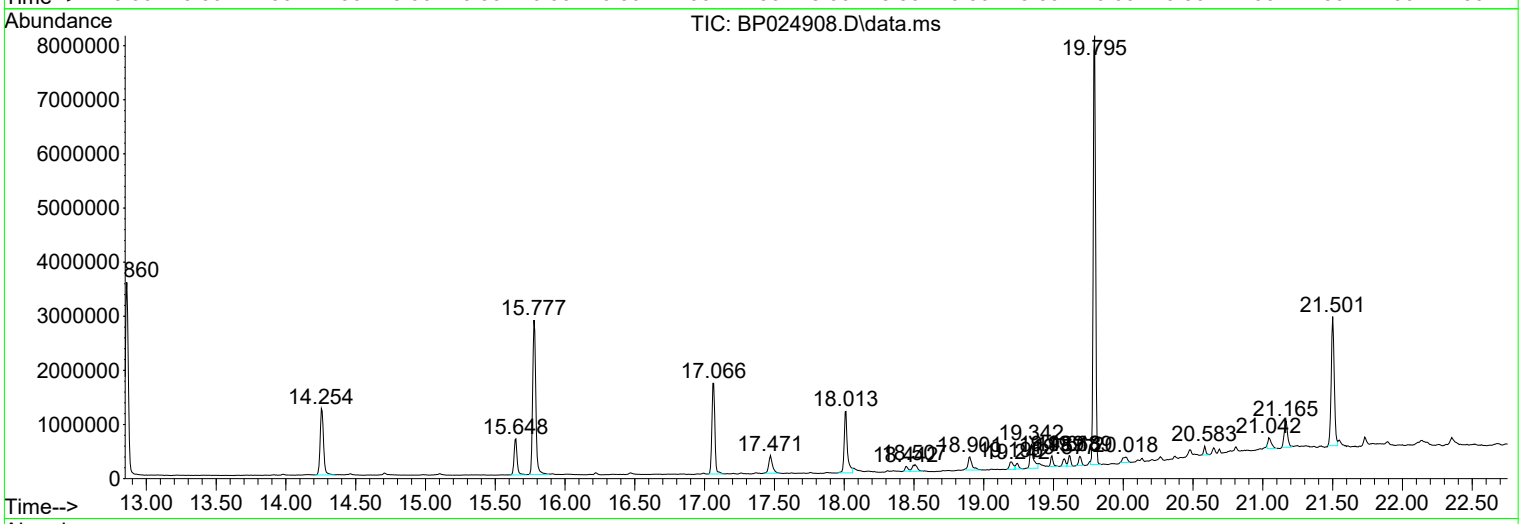
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024908.D
Acq On : 11 Jun 2025 12:18
Operator : RC/JU
Sample : Q2176-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

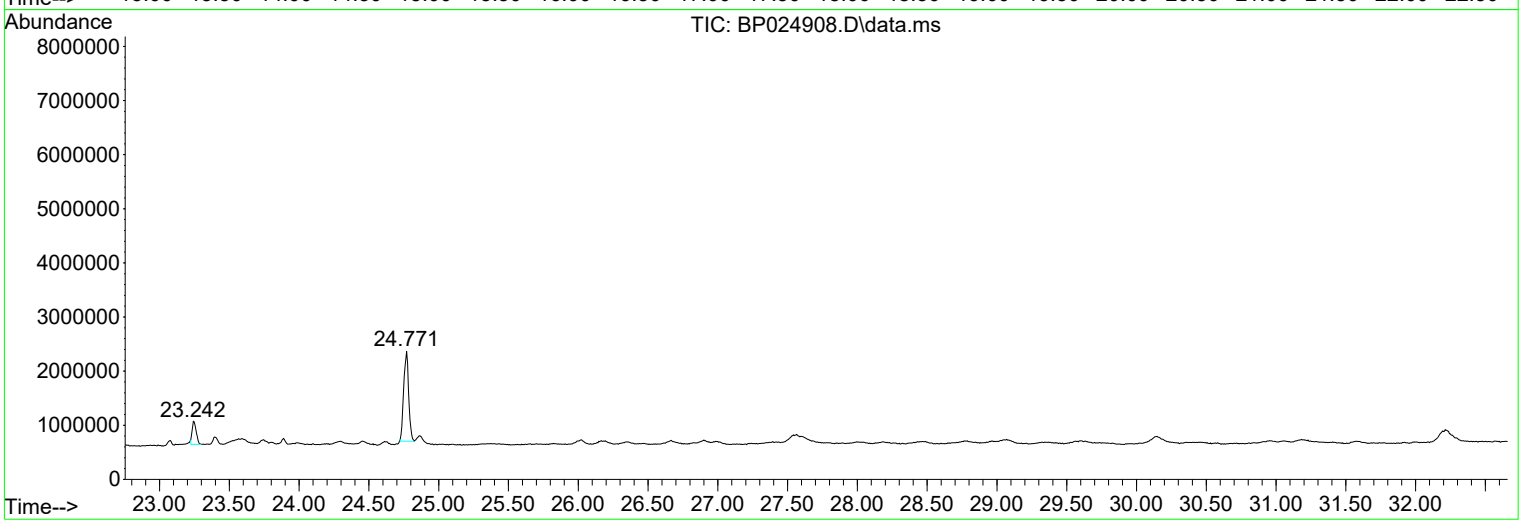
Instrument :
BNA_P
ClientSampleId :
TP-25

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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_P\Data\BP061125\
Data File : BP024908.D
Acq On : 11 Jun 2025 12:18
Operator : RC/JU
Sample : Q2176-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-25

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

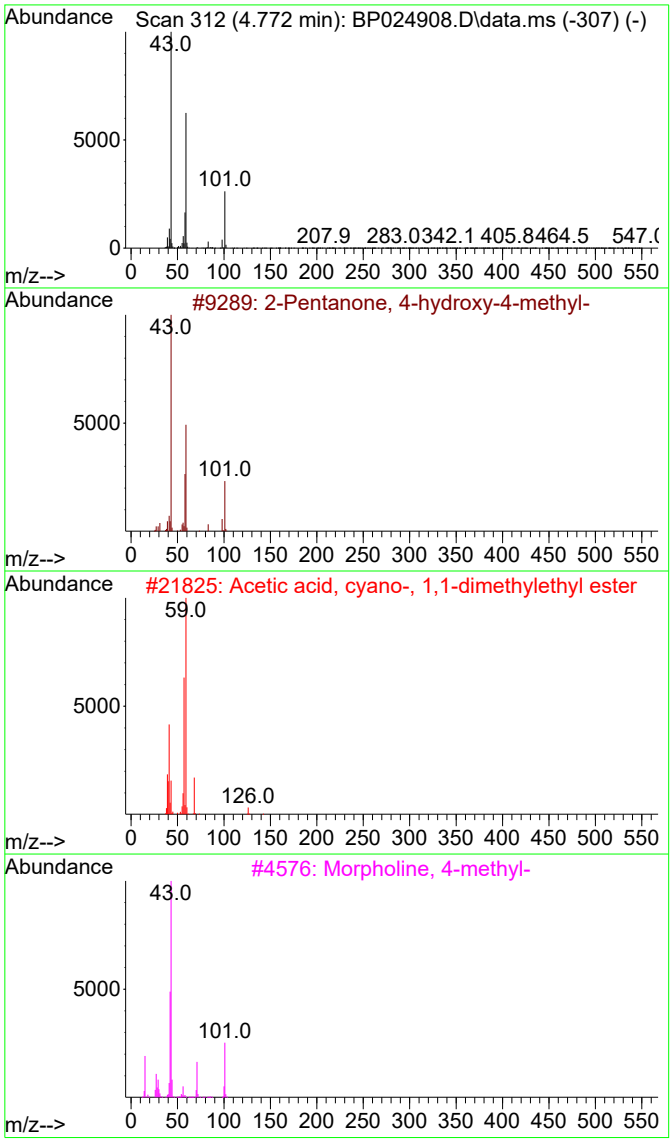
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

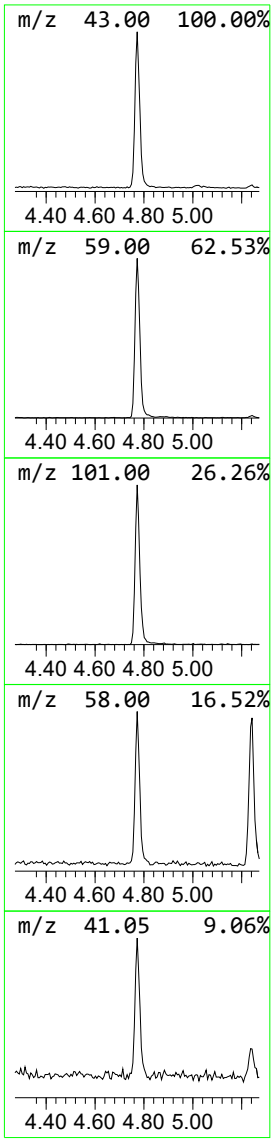
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.772	5.82 ng	345050	1,4-Dichlorobenzene-d4	7.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024908.D
Acq On : 11 Jun 2025 12:18
Operator : RC/JU
Sample : Q2176-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-25

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

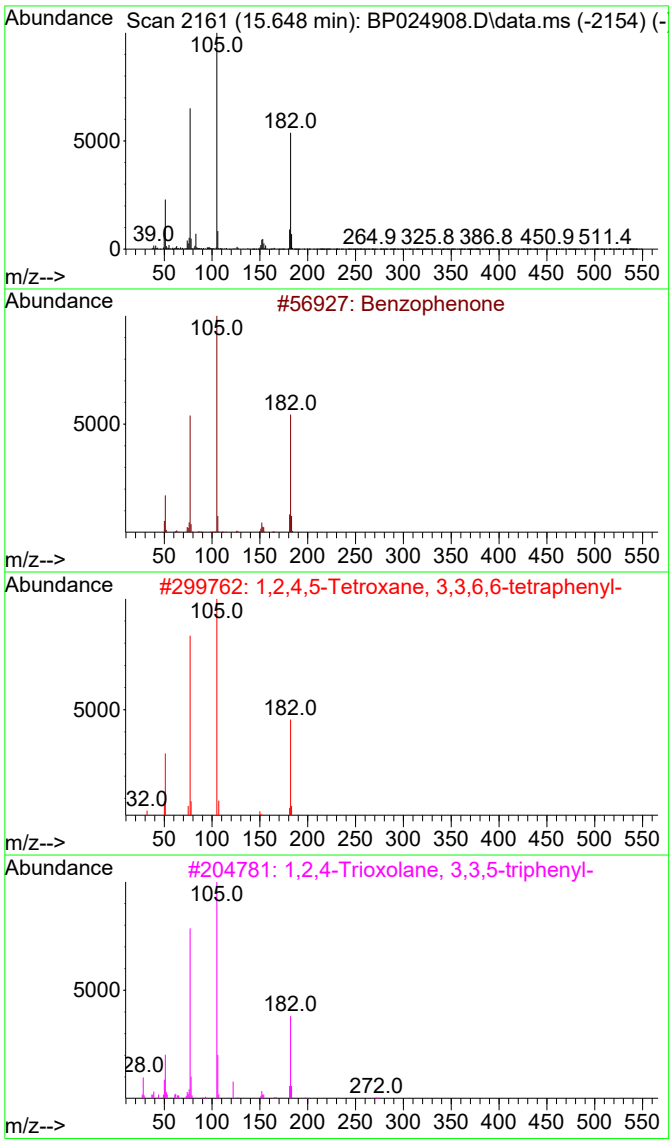
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

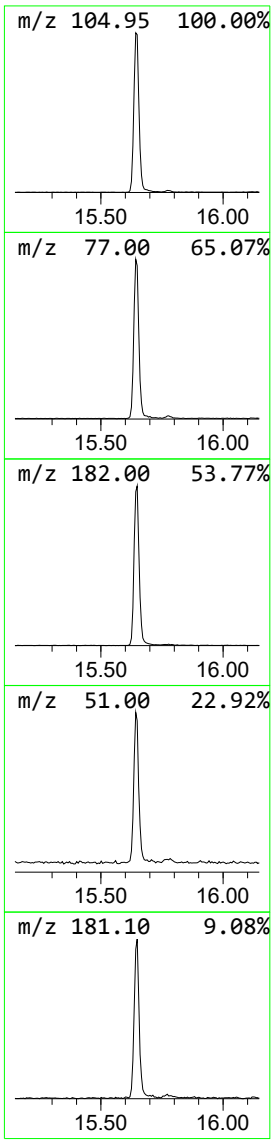
****

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.648	9.86 ng	1026520	Acenaphthene-d10	14.254

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	50
4	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	42
5	Azobenzene	182	C12H10N2	000103-33-3	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024908.D
Acq On : 11 Jun 2025 12:18
Operator : RC/JU
Sample : Q2176-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-25

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

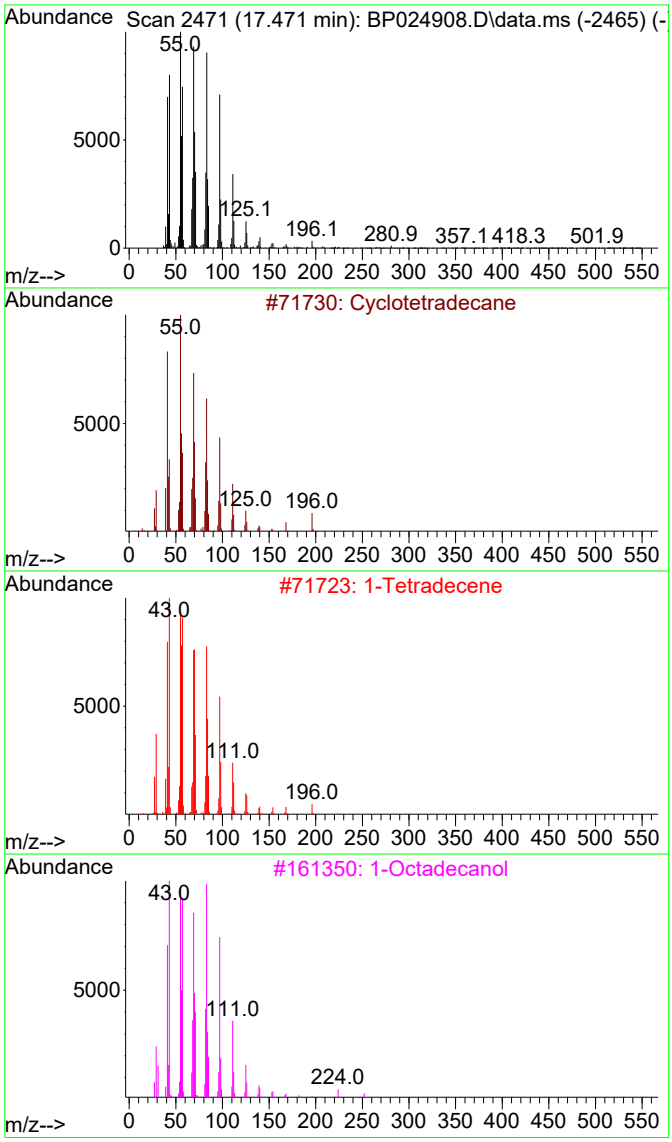
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

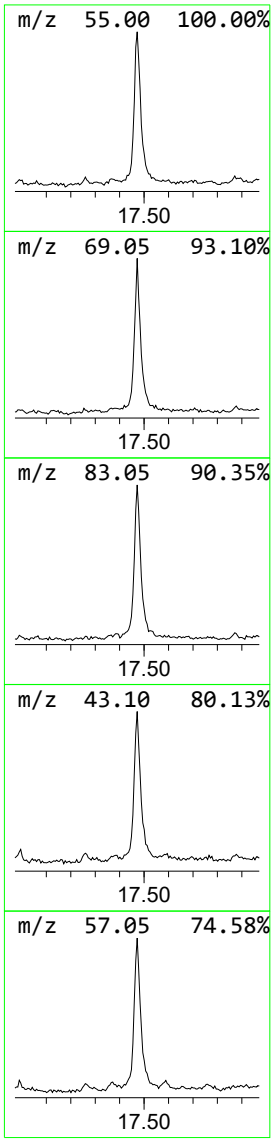
****

Peak Number 3 Cyclotetradecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.471	4.77 ng	588769	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetradecane	196	C14H28	000295-17-0	95
2	1-Tetradecene	196	C14H28	001120-36-1	95
3	1-Octadecanol	270	C18H38O	000112-92-5	94
4	n-Heptadecanol-1	256	C17H36O	001454-85-9	94
5	2-Tetradecene, (E)-	196	C14H28	035953-54-9	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024908.D
Acq On : 11 Jun 2025 12:18
Operator : RC/JU
Sample : Q2176-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-25

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

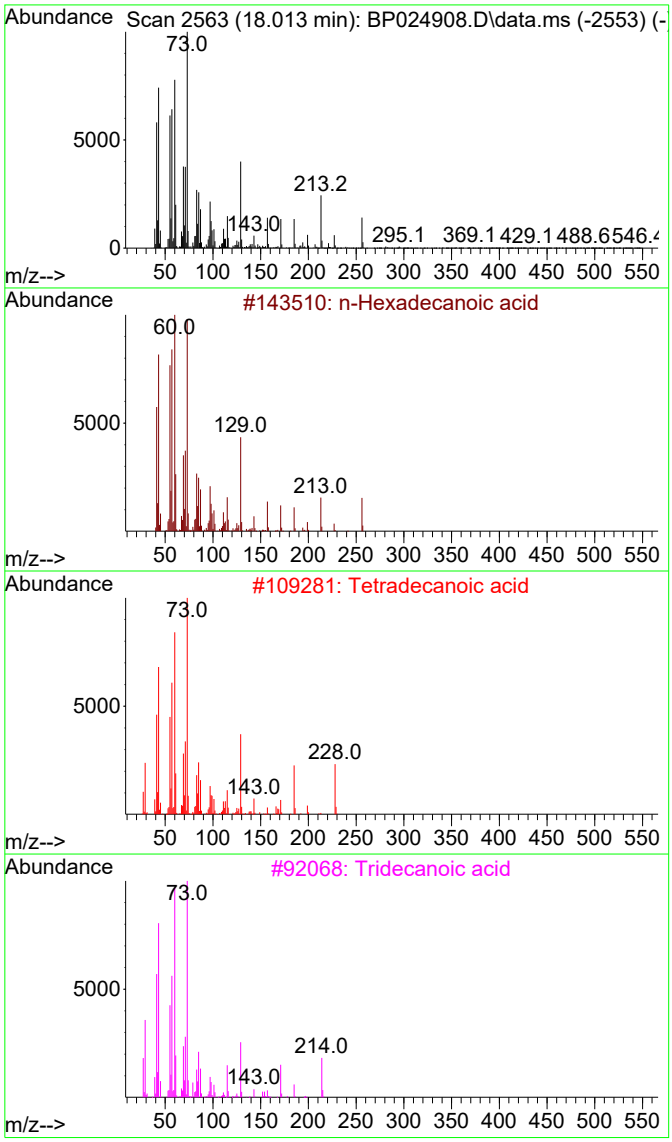
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

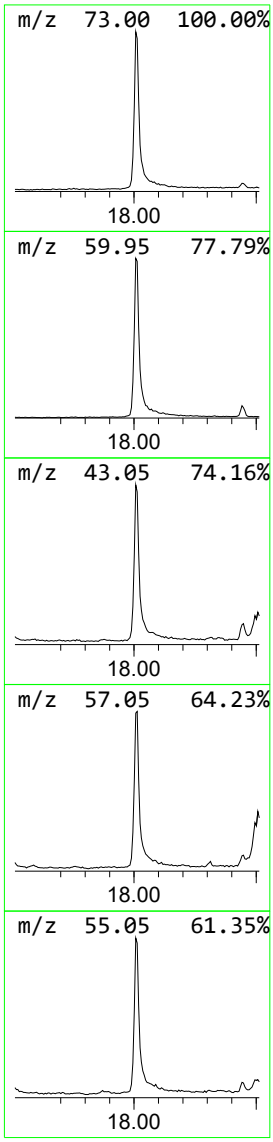
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.013	14.61 ng	1803990	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	90
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
5	Octadecanoic acid	284	C18H36O2	000057-11-4	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024908.D
Acq On : 11 Jun 2025 12:18
Operator : RC/JU
Sample : Q2176-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-25

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

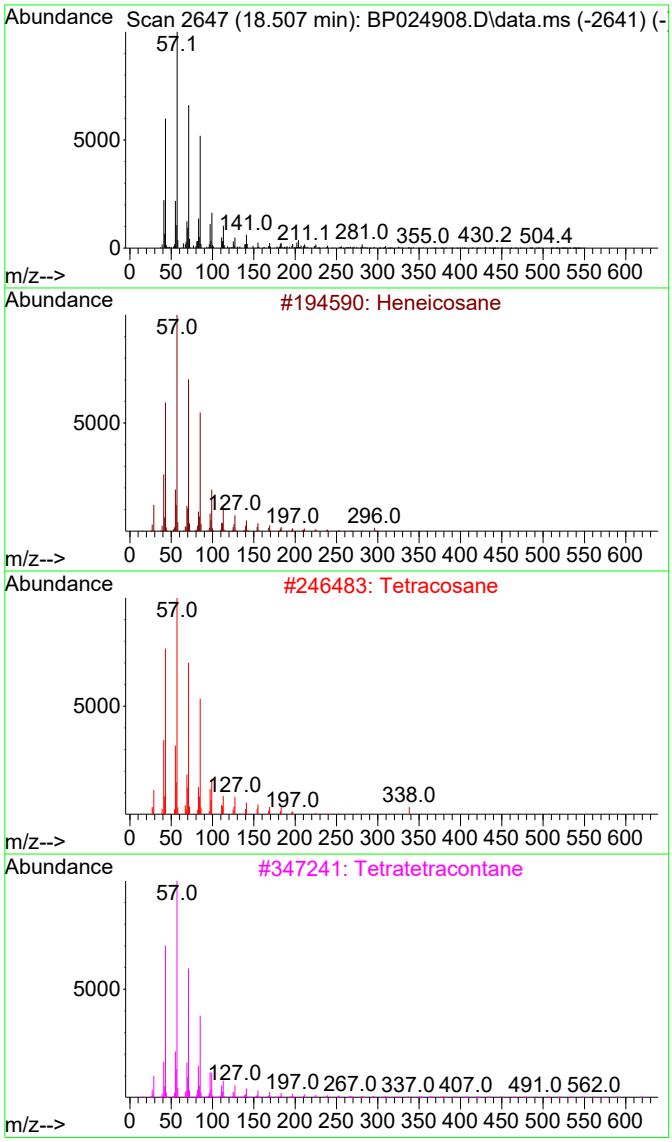
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

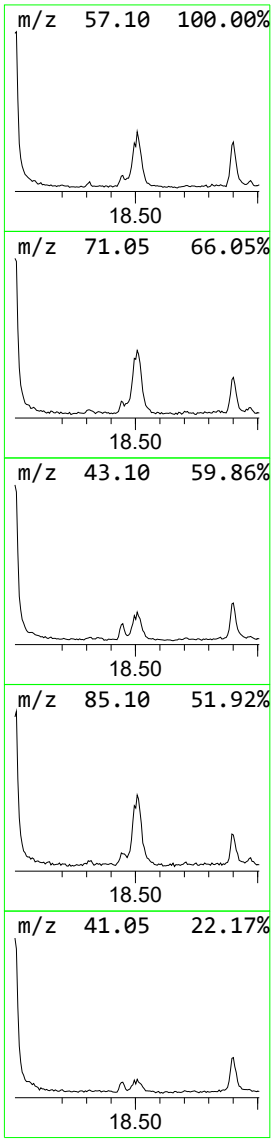
****

Peak Number 5 Heneicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.507	2.39 ng	294729	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	87
2	Tetracosane	338	C24H50	000646-31-1	86
3	Tetratetracontane	619	C44H90	007098-22-8	76
4	Eicosane	282	C20H42	000112-95-8	76
5	Hexacosane	366	C26H54	000630-01-3	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024908.D
Acq On : 11 Jun 2025 12:18
Operator : RC/JU
Sample : Q2176-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-25

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

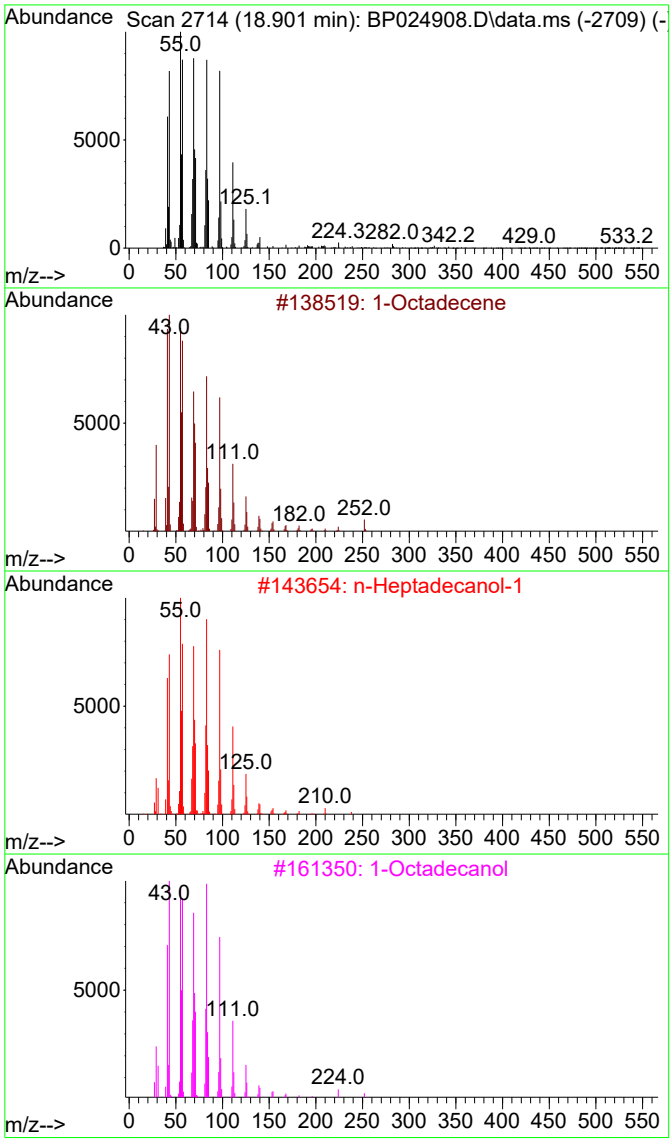
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

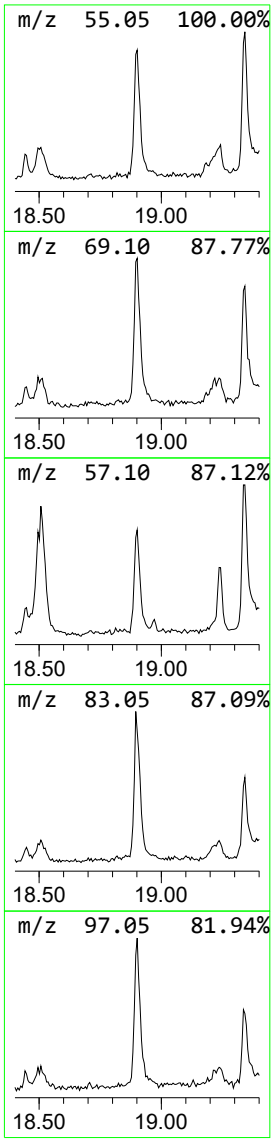
****

Peak Number 6 1-Octadecene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.901	3.92 ng	483559	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecene	252	C18H36	000112-88-9	99
2	n-Heptadecanol-1	256	C17H36O	001454-85-9	94
3	1-Octadecanol	270	C18H38O	000112-92-5	94
4	n-Nonadecanol-1	284	C19H40O	001454-84-8	94
5	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024908.D
Acq On : 11 Jun 2025 12:18
Operator : RC/JU
Sample : Q2176-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-25

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

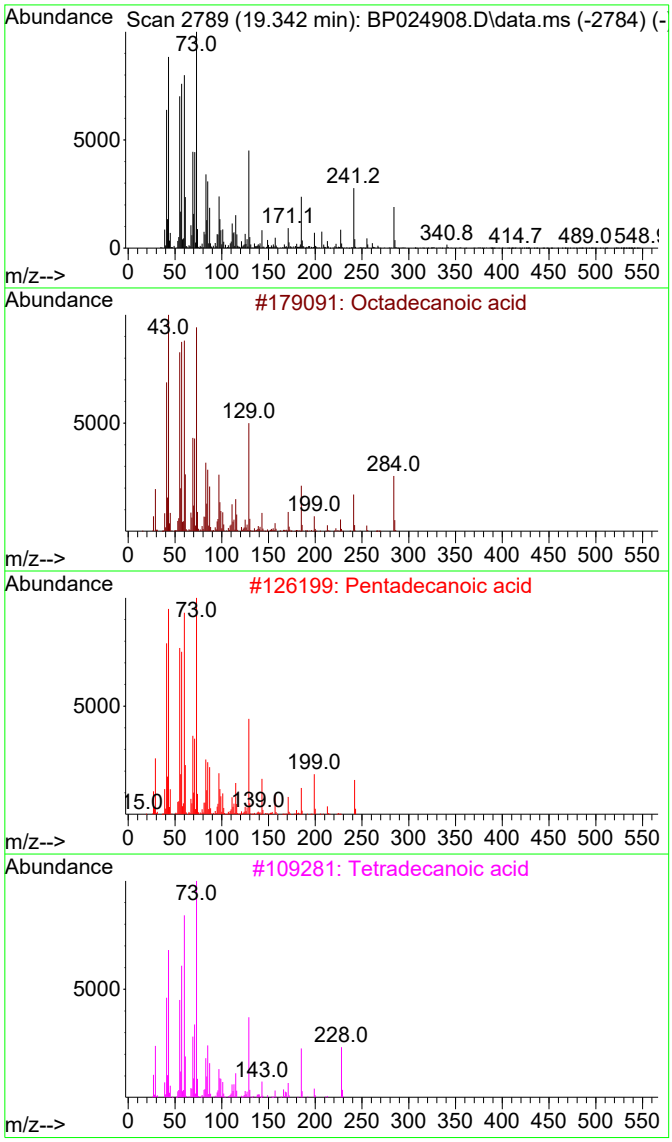
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

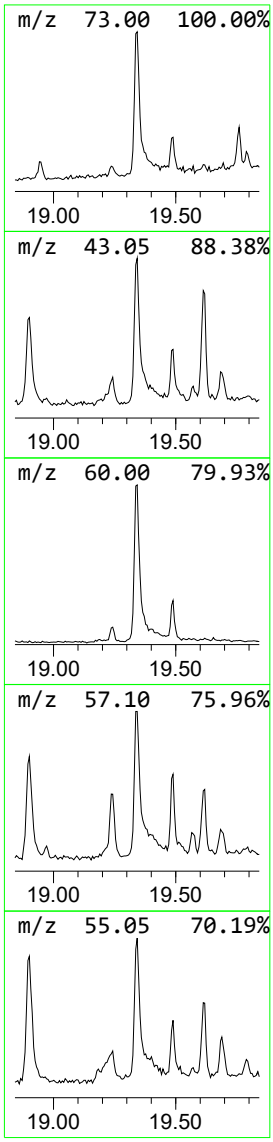
****

Peak Number 8 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.342	4.45 ng	811111	Chrysene-d12	21.501

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	89
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	70
5	n-Decanoic acid	172	C10H20O2	000334-48-5	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024908.D
Acq On : 11 Jun 2025 12:18
Operator : RC/JU
Sample : Q2176-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-25

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

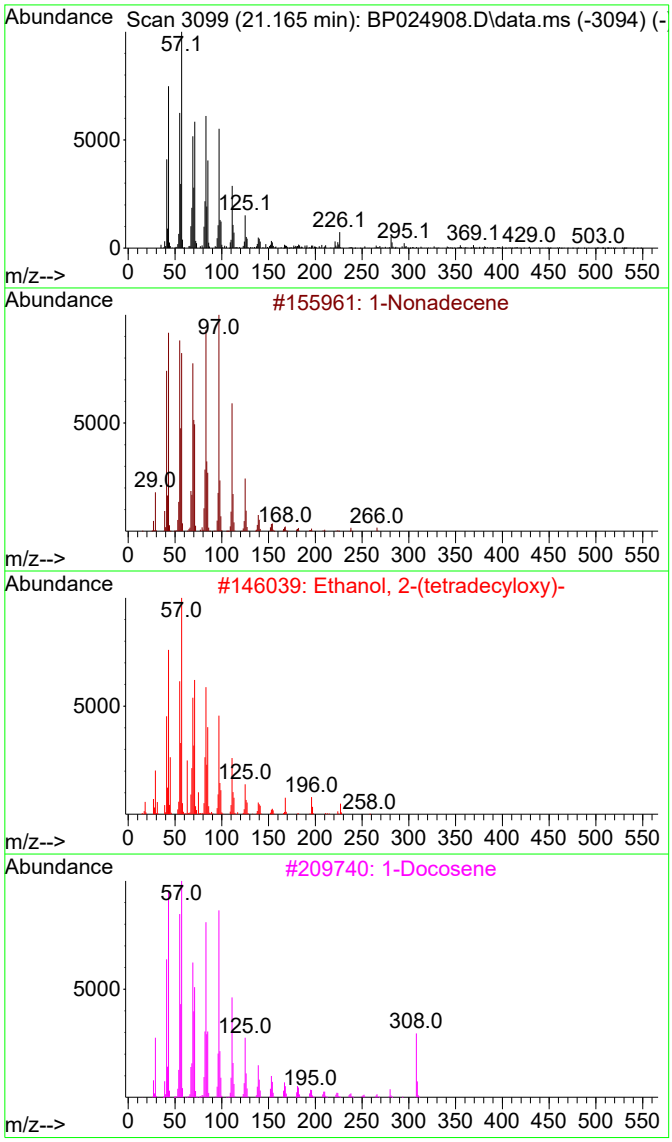
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

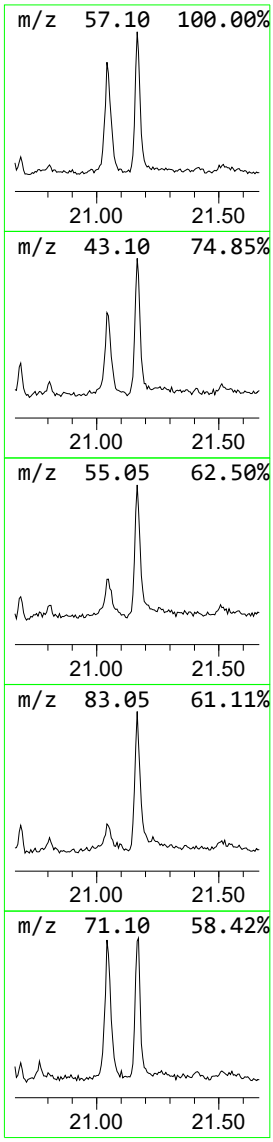
****

Peak Number 9 1-Nonadecene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.165	4.40 ng	801502	Chrysene-d12	21.501

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	97
2	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	96
3	1-Docosene	308	C22H44	001599-67-3	95
4	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	95
5	Pentadecafluorooctanoic acid, he...	638	C24H33F15O2	1000406-04-6	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024908.D
Acq On : 11 Jun 2025 12:18
Operator : RC/JU
Sample : Q2176-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-25

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

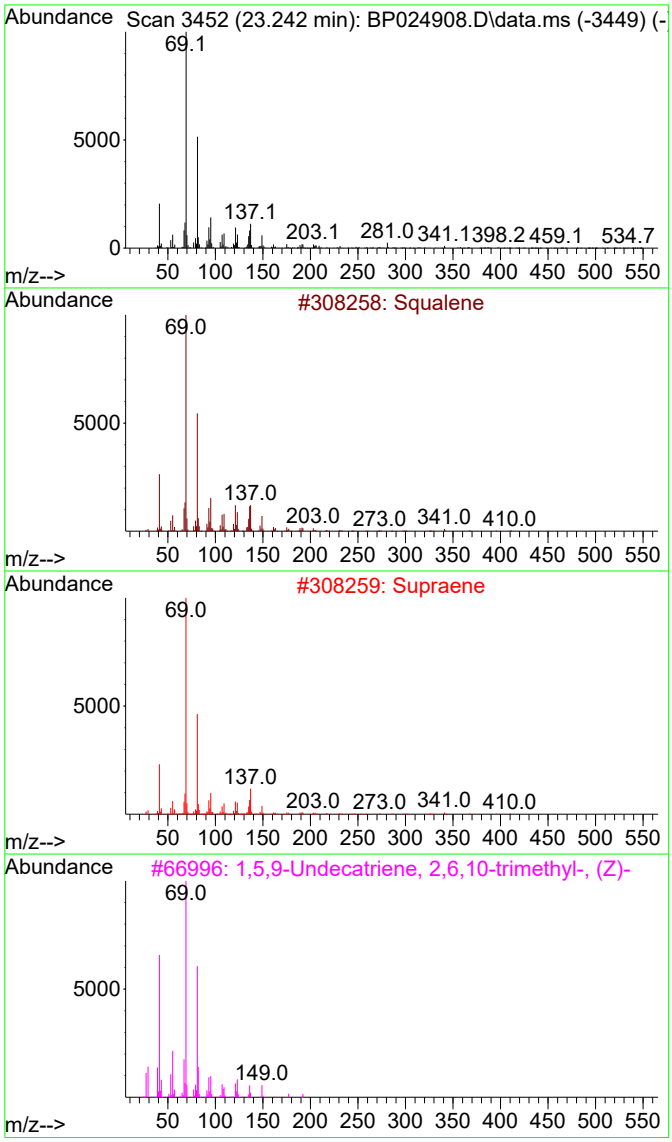
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

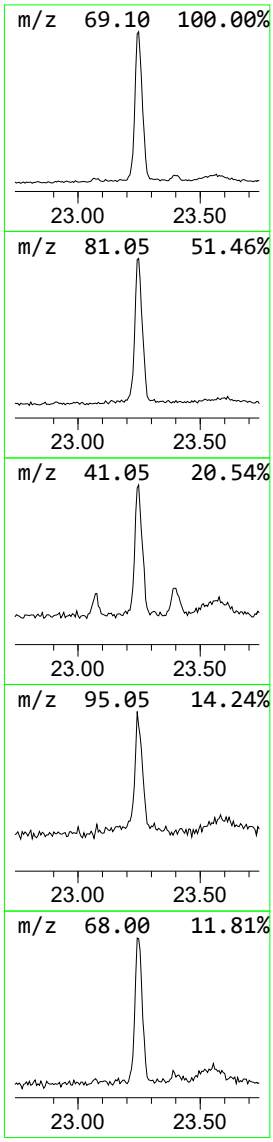
****

Peak Number 10 Squalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.242	4.25 ng	862400	Perylene-d12	24.771

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	91
2	Supraene	410	C30H50	007683-64-9	90
3	1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24	062951-96-6	87
4	2,6,10,14-Hexadecatetraenoic aci...	332	C22H36O2	024035-35-6	76
5	4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024908.D
Acq On : 11 Jun 2025 12:18
Operator : RC/JU
Sample : Q2176-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-25

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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-...	4.772	5.8	ng	345050	1	7.613	1185390	20.0
Benzophenone	15.648	9.9	ng	1026520	3	14.254	2081240	20.0
Cyclotetradecane	17.471	4.8	ng	588769	4	17.066	2469570	20.0
n-Hexadecanoic ...	18.013	14.6	ng	1803990	4	17.066	2469570	20.0
Heneicosane	18.507	2.4	ng	294729	4	17.066	2469570	20.0
1-Octadecene	18.901	3.9	ng	483559	4	17.066	2469570	20.0
Octadecanoic acid	19.342	4.5	ng	811111	5	21.501	3641660	20.0
1-Nonadecene	21.165	4.4	ng	801502	5	21.501	3641660	20.0
Squalene	23.242	4.3	ng	862400	6	24.771	4055410	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024901.D
Acq On : 10 Jun 2025 19:51
Operator : RC/JU
Sample : Q2176-04 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-26

Quant Time: Jun 11 02:05:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

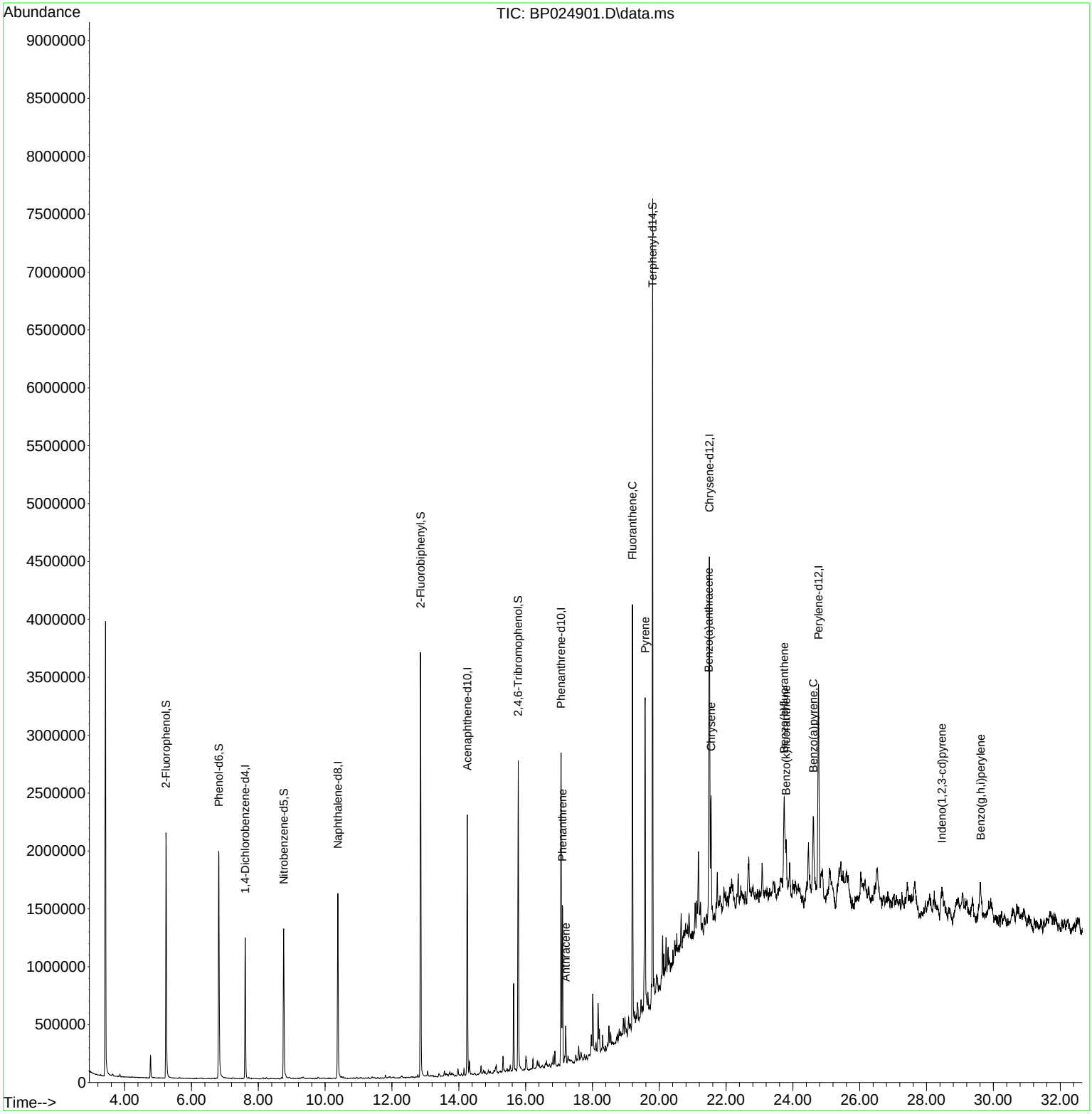
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.608	152	331428	20.000	ng		0.00
21) Naphthalene-d8	10.378	136	1353167	20.000	ng		0.00
39) Acenaphthene-d10	14.254	164	851560	20.000	ng		0.00
64) Phenanthrene-d10	17.060	188	1568912	20.000	ng		0.00
76) Chrysene-d12	21.501	240	1528631	20.000	ng		0.02
86) Perylene-d12	24.766	264	1800536	20.000	ng		0.05
System Monitoring Compounds							
5) 2-Fluorophenol	5.237	112	986538	49.686	ng		0.00
7) Phenol-d6	6.814	99	1286457	48.969	ng		0.00
23) Nitrobenzene-d5	8.761	82	811243	29.132	ng		0.00
42) 2,4,6-Tribromophenol	15.778	330	571255	48.521	ng		0.00
45) 2-Fluorobiphenyl	12.854	172	1994483	31.552	ng		0.00
79) Terphenyl-d14	19.801	244	2816385	33.021	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	17.101	178	892175	10.290	ng		100
72) Anthracene	17.201	178	222160	2.530	ng		100
75) Fluoranthene	19.195	202	1979200	19.696	ng		99
78) Pyrene	19.578	202	1639303	17.165	ng		100
81) Benzo(a)anthracene	21.483	228	716631	7.330	ng		99
83) Chrysene	21.548	228	744662	8.038	ng		96
87) Indeno(1,2,3-cd)pyrene	28.459	276	441583	3.361	ng	#	95
88) Benzo(b)fluoranthene	23.736	252	884835	8.587	ng	#	95
89) Benzo(k)fluoranthene	23.795	252	371610m	3.543	ng		
90) Benzo(a)pyrene	24.607	252	620829	6.169	ng	#	93
92) Benzo(g,h,i)perylene	29.618	276	431887	4.071	ng		95

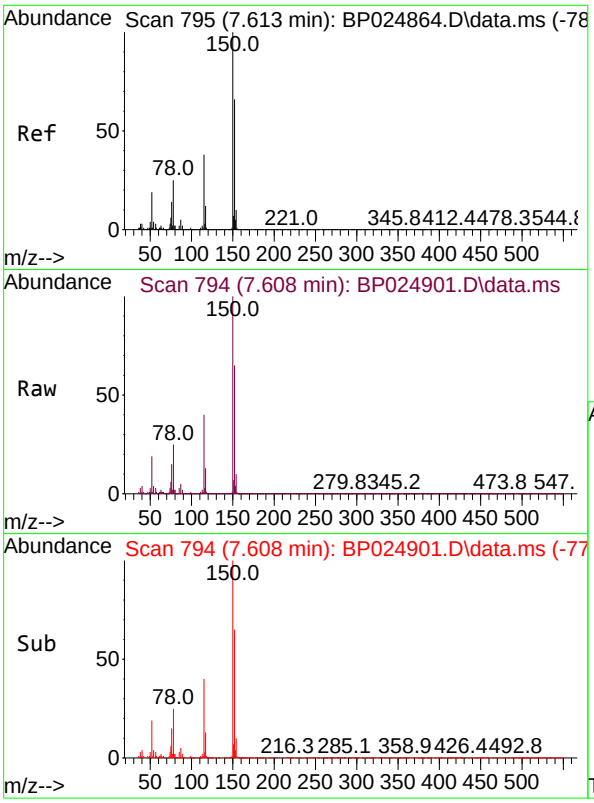
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024901.D
Acq On : 10 Jun 2025 19:51
Operator : RC/JU
Sample : Q2176-04 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-26

Quant Time: Jun 11 02:05:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration



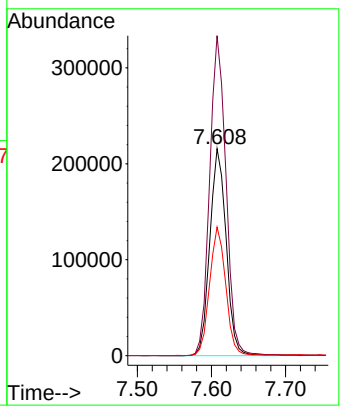


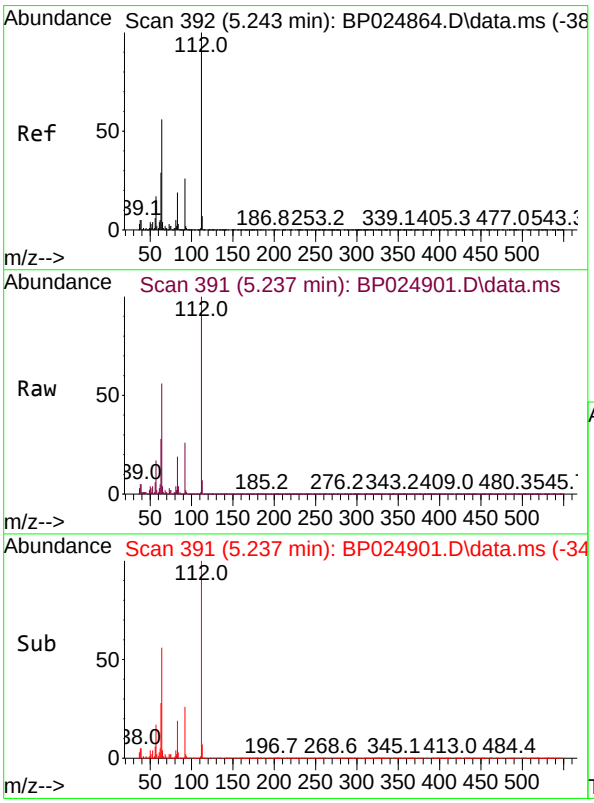
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Instrument :
BNA_P
ClientSampleId :
TP-26

Tgt Ion:152 Resp: 331428

Ion	Ratio	Lower	Upper
152	100		
150	154.6	122.1	183.1
115	62.2	46.4	69.6

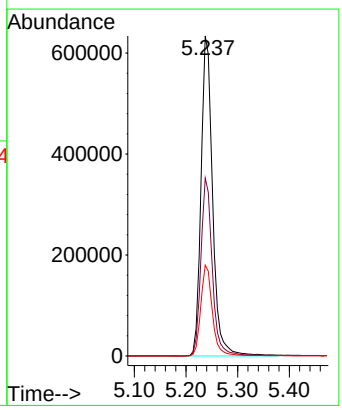


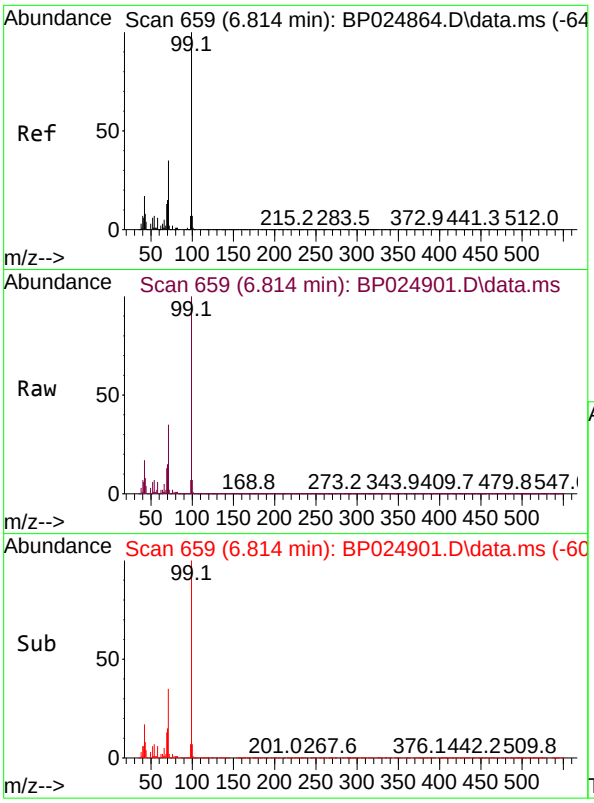


#5
2-Fluorophenol
Concen: 49.686 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Tgt Ion:112 Resp: 986538

Ion	Ratio	Lower	Upper
112	100		
64	55.6	44.7	67.1
63	28.4	23.5	35.3



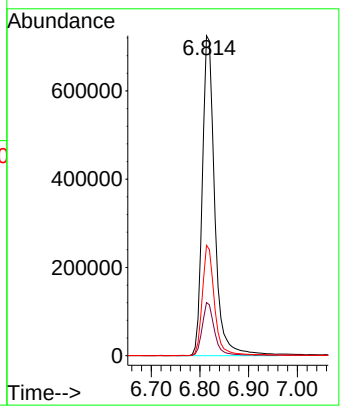


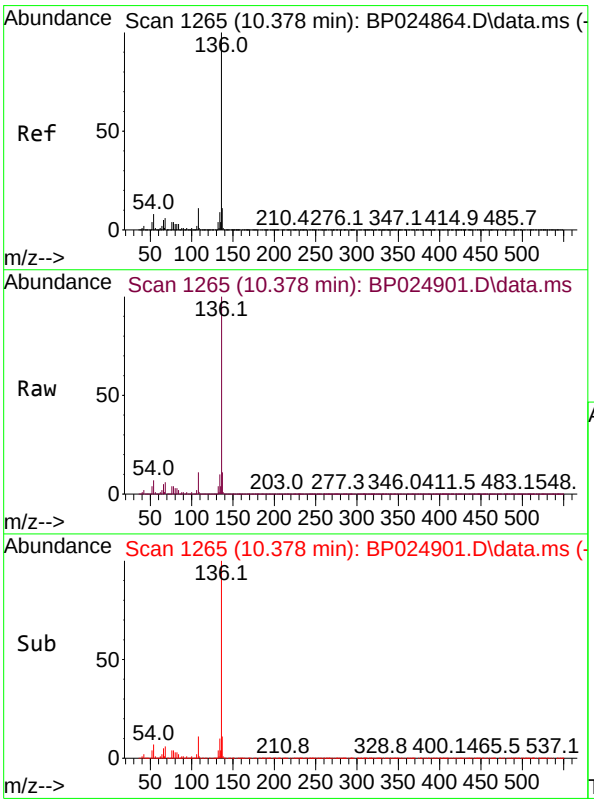
#7
Phenol-d6
Concen: 48.969 ng
RT: 6.814 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Instrument :
BNA_P
ClientSampleId :
TP-26

Tgt Ion: 99 Resp: 1286457

Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.4	20.2
71	34.5	27.6	41.4

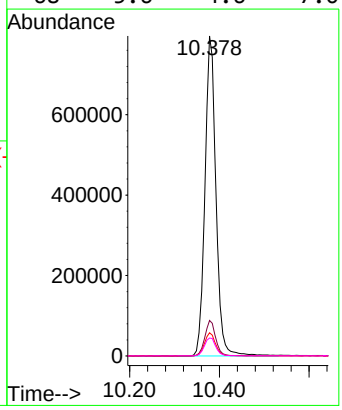


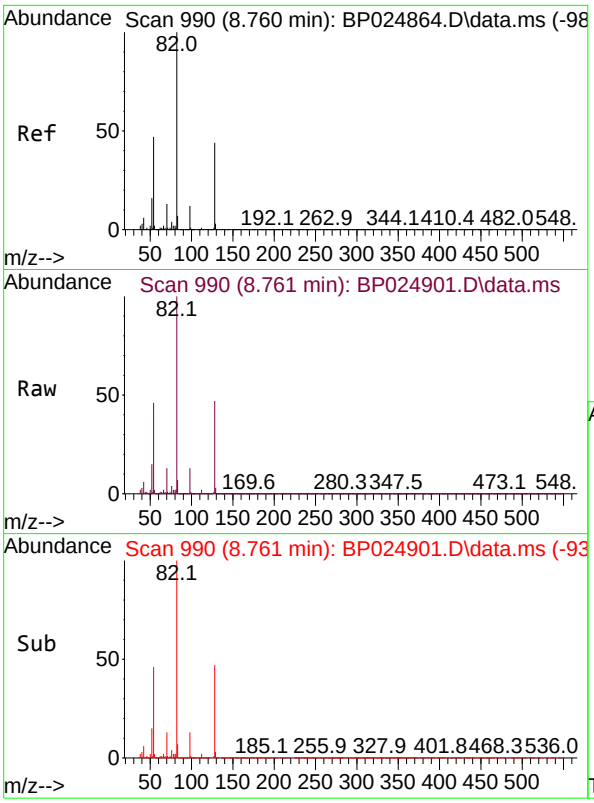


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Tgt Ion:136 Resp: 1353167

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.3	6.1	9.1
68	5.6	4.6	7.0



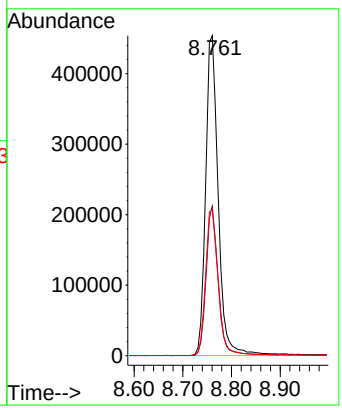


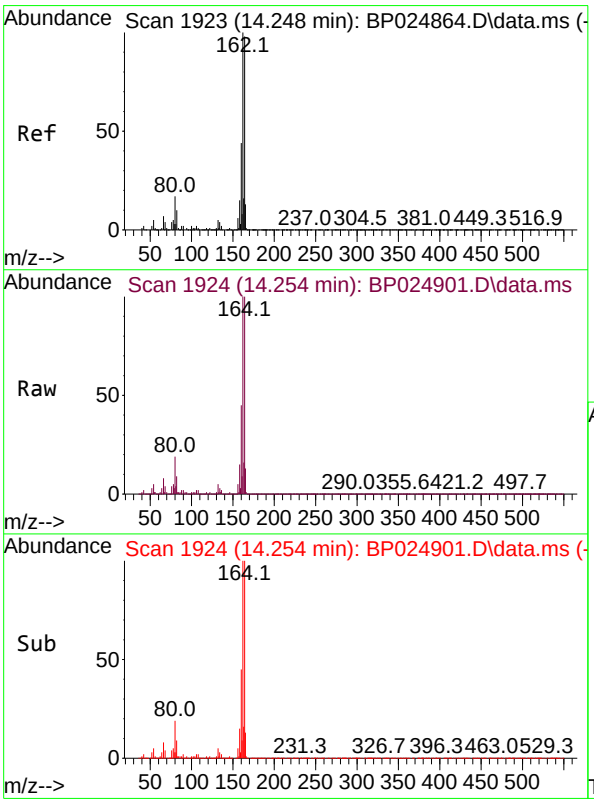
#23
Nitrobenzene-d5
Concen: 29.132 ng
RT: 8.761 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Instrument :
BNA_P
ClientSampleId :
TP-26

Tgt Ion: 82 Resp: 811243

Ion	Ratio	Lower	Upper
82	100		
128	46.7	35.3	52.9
54	45.7	37.4	56.0

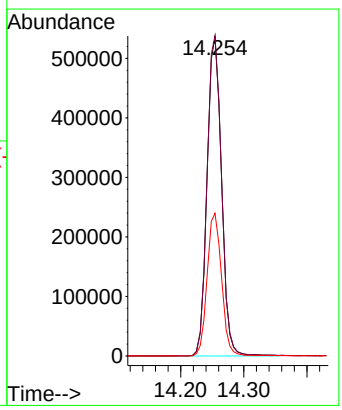


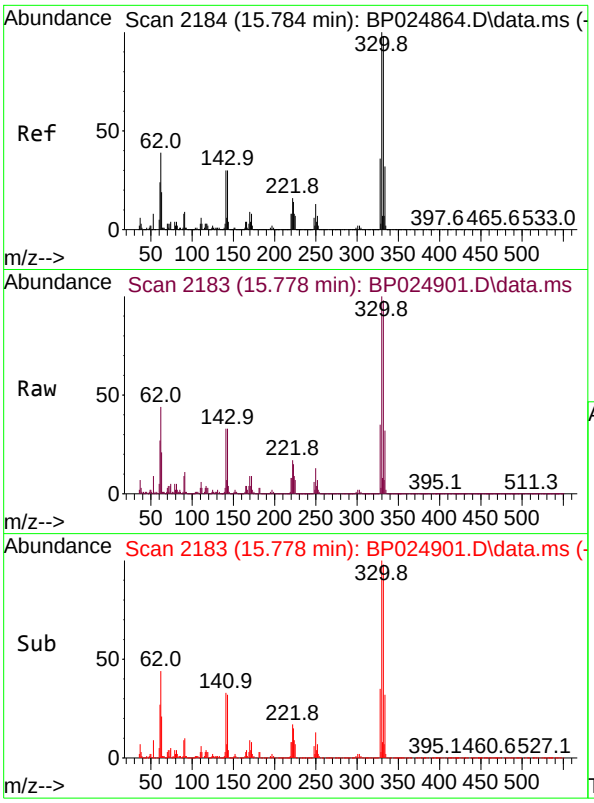


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Tgt Ion:164 Resp: 851560

Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.6	122.4
160	44.7	36.2	54.2



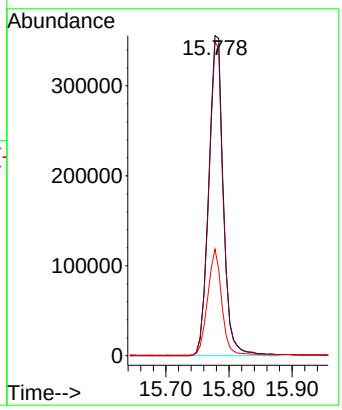


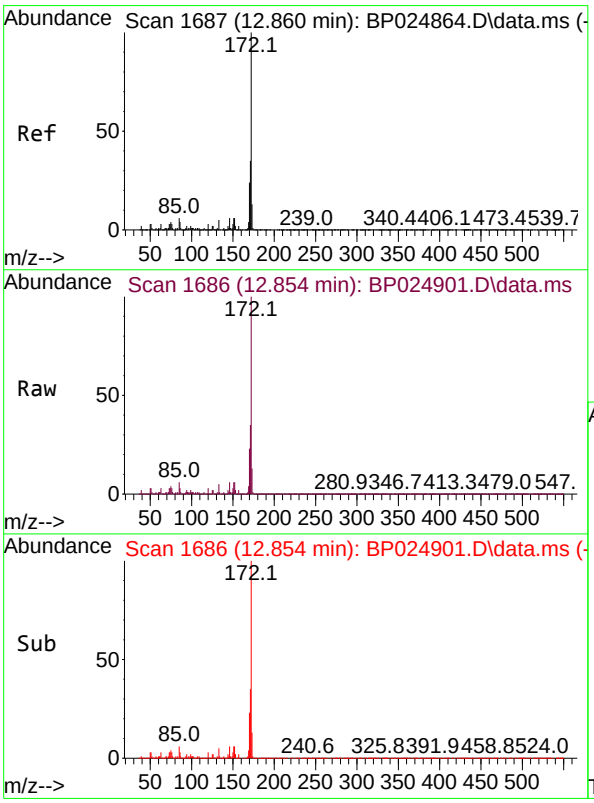
#42
2,4,6-Tribromophenol
Concen: 48.521 ng
RT: 15.778 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Instrument :
BNA_P
ClientSampleId :
TP-26

Tgt Ion:330 Resp: 571255

Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.7	116.5
141	31.9	26.4	39.6

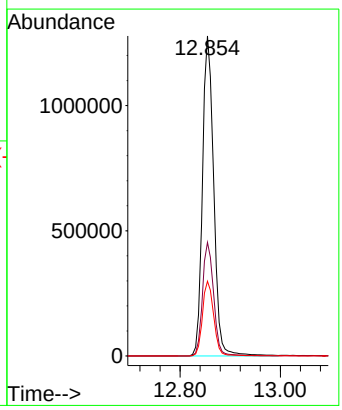


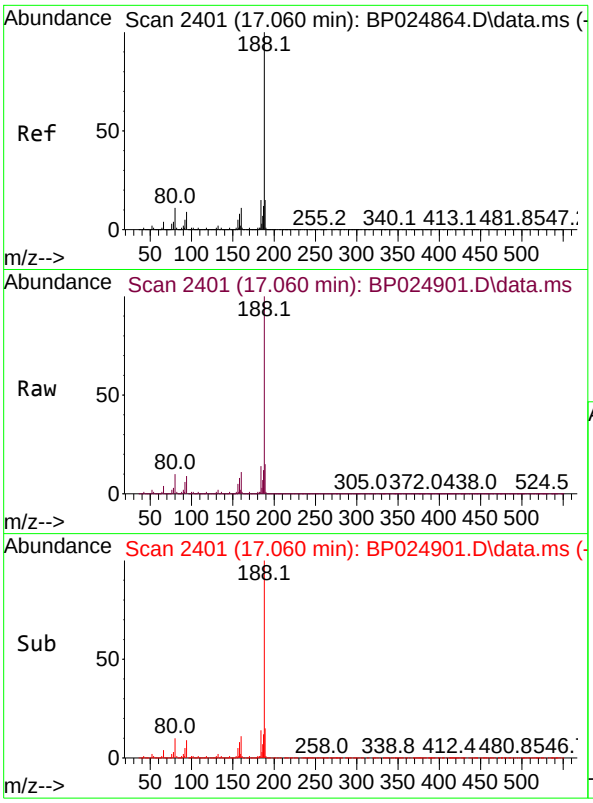


#45
2-Fluorobiphenyl
Concen: 31.552 ng
RT: 12.854 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Tgt Ion:172 Resp: 1994483

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.3	42.5
170	23.4	19.0	28.4



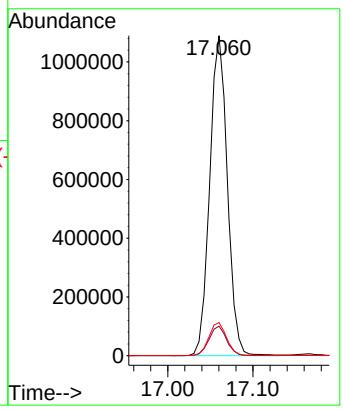


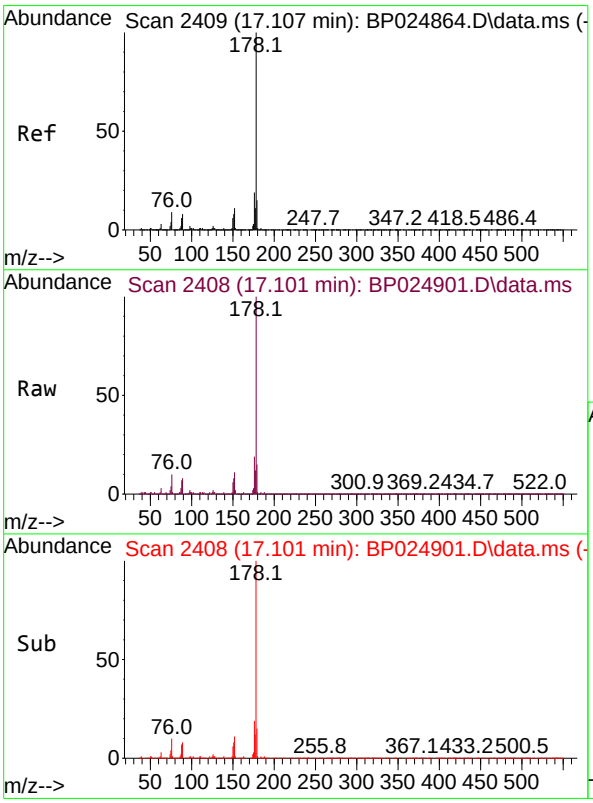
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.060 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Instrument :
BNA_P
ClientSampleId :
TP-26

Tgt Ion:188 Resp: 1568912

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.3	10.9
80	10.4	8.5	12.7

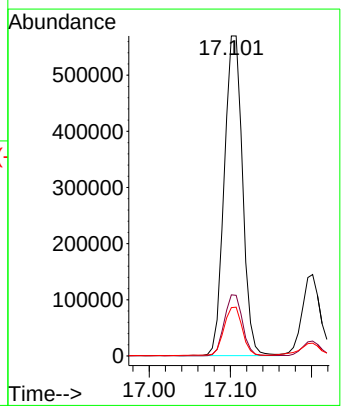


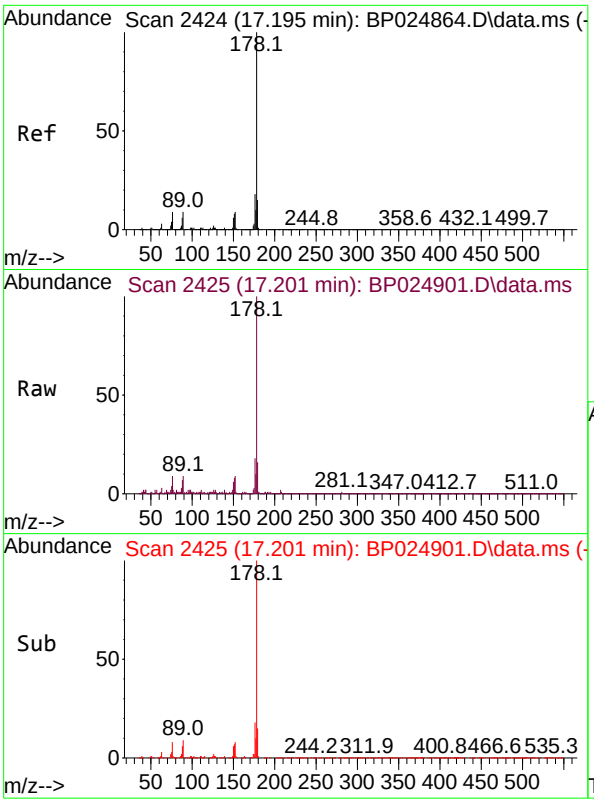


#71
Phenanthrene
Concen: 10.290 ng
RT: 17.101 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Tgt Ion:178 Resp: 892175

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.1	12.1	18.1



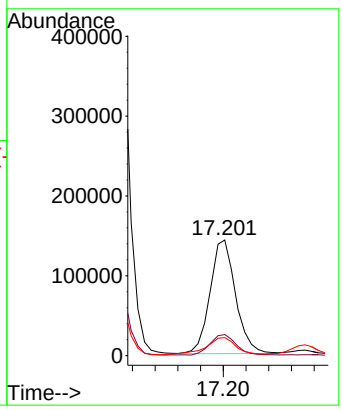


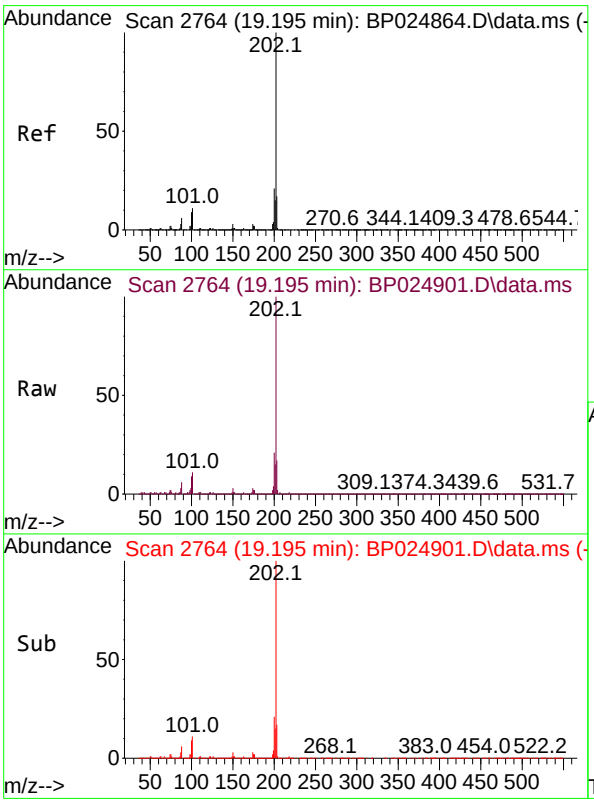
#72
Anthracene
Concen: 2.530 ng
RT: 17.201 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Instrument :
BNA_P
ClientSampleId :
TP-26

Tgt Ion:178 Resp: 222160

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	15.7	12.3	18.5

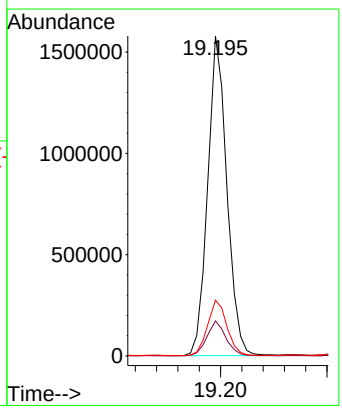


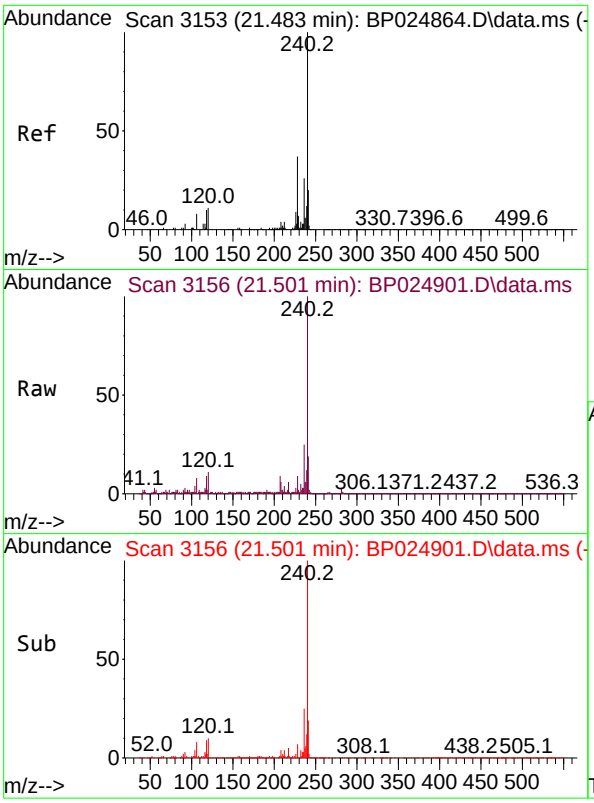


#75
Fluoranthene
Concen: 19.696 ng
RT: 19.195 min Scan# 2764
Delta R.T. 0.000 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Tgt Ion:202 Resp: 1979200

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.4
203	17.4	0.0	37.5



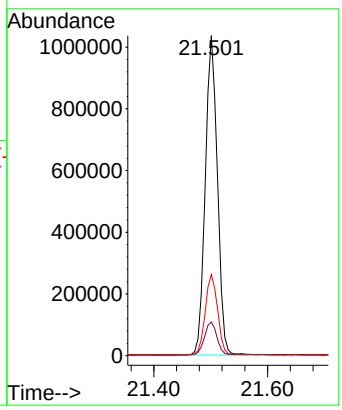


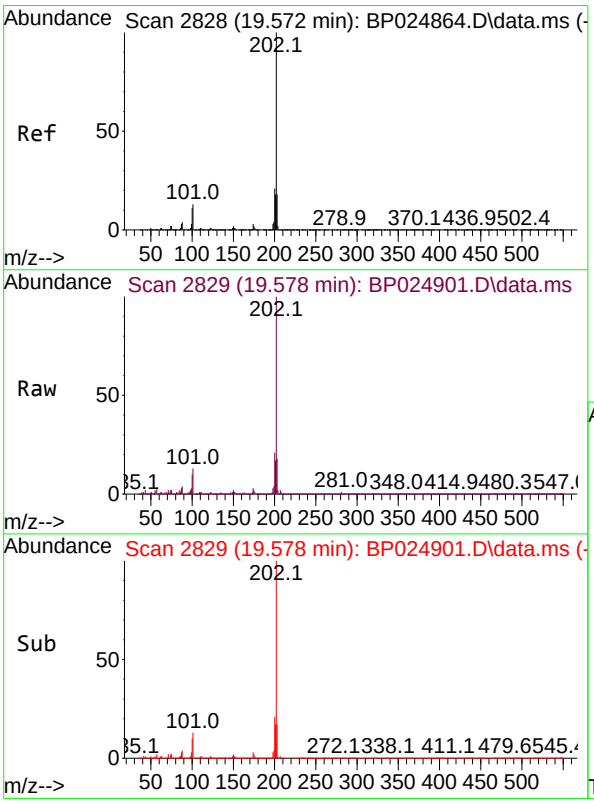
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.501 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Instrument :
BNA_P
ClientSampleId :
TP-26

Tgt Ion:240 Resp: 1528631

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.9	13.3
236	25.4	20.9	31.3

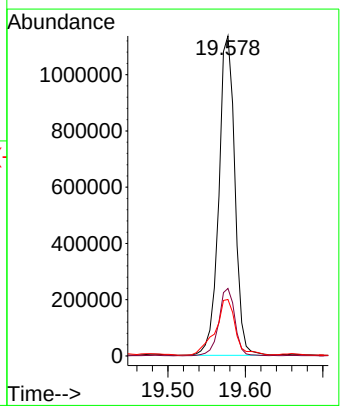


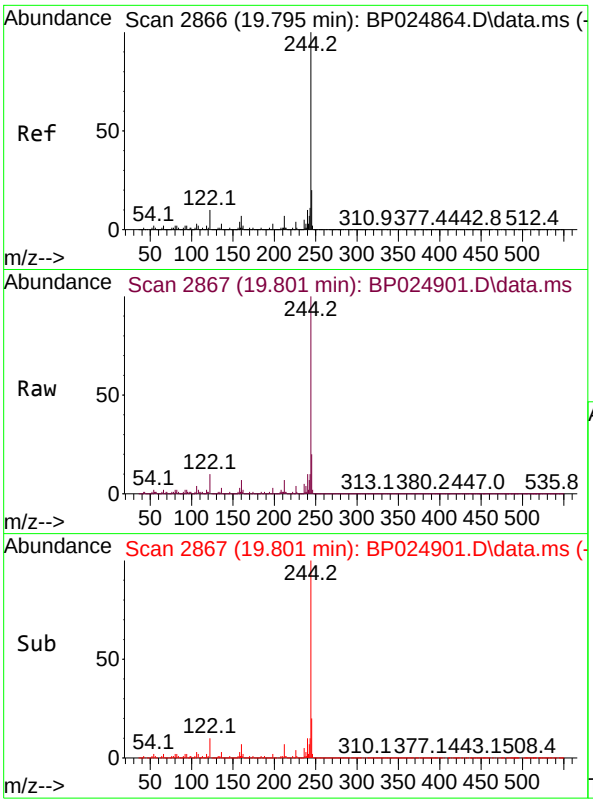


#78
Pyrene
Concen: 17.165 ng
RT: 19.578 min Scan# 2829
Delta R.T. 0.006 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Tgt Ion:202 Resp: 1639303

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.1	25.7
203	17.6	14.0	21.0



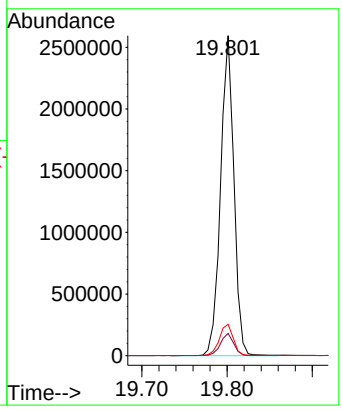


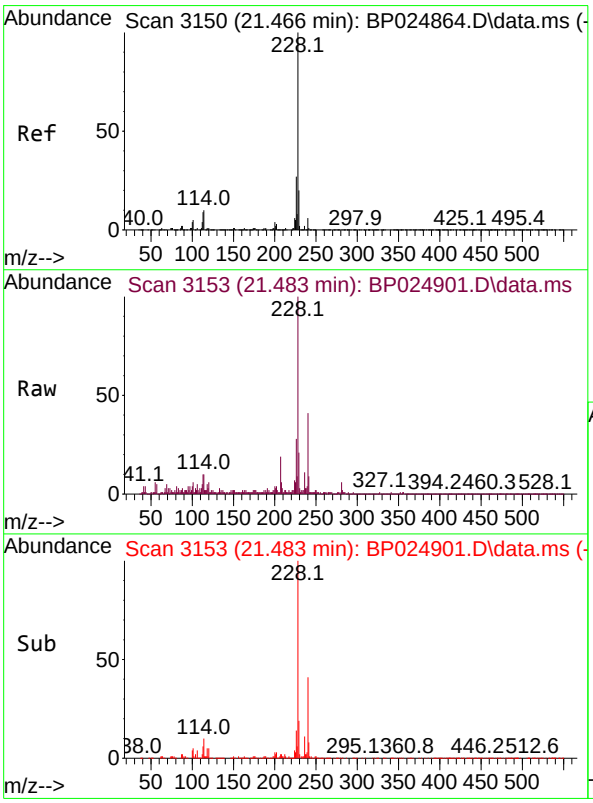
#79
Terphenyl-d14
Concen: 33.021 ng
RT: 19.801 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Instrument :
BNA_P
ClientSampleId :
TP-26

Tgt Ion:244 Resp: 2816385

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	9.8	7.7	11.5

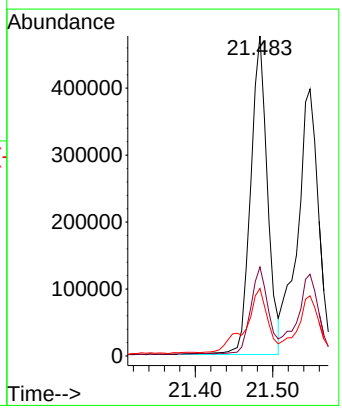


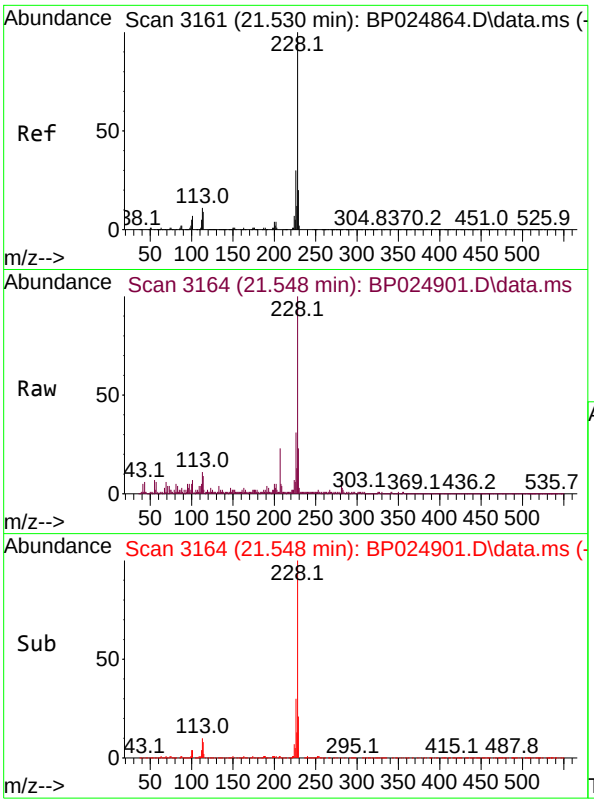


#81
Benzo(a)anthracene
Concen: 7.330 ng
RT: 21.483 min Scan# 3153
Delta R.T. 0.018 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Tgt Ion:228 Resp: 716631

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.1	33.1
229	21.1	15.9	23.9



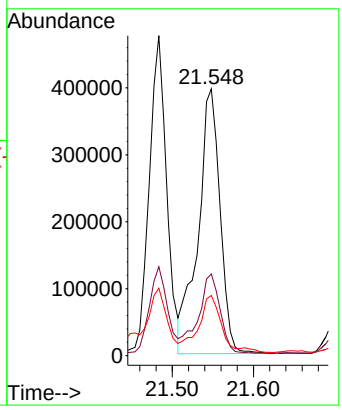


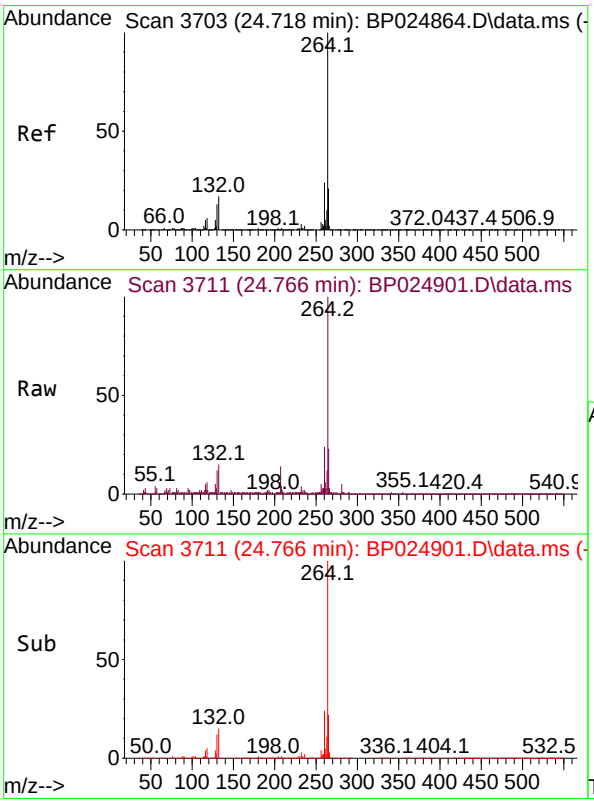
#83
Chrysene
Concen: 8.038 ng
RT: 21.548 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Instrument :
BNA_P
ClientSampleId :
TP-26

Tgt Ion:228 Resp: 744662

Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.8	35.6
229	22.6	15.6	23.4

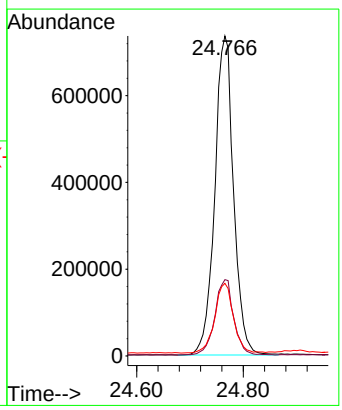


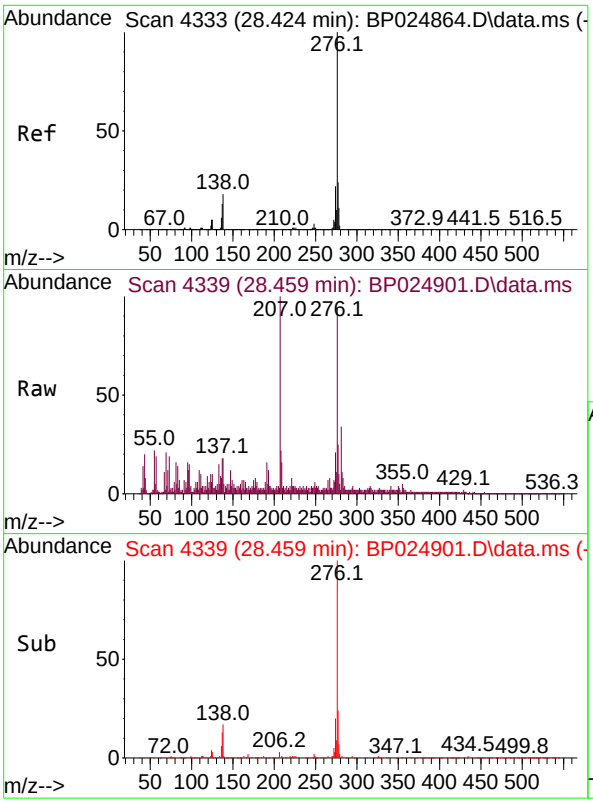


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.766 min Scan# 3711
Delta R.T. 0.047 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Tgt Ion:264 Resp: 1800536

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	22.7	17.4	26.0



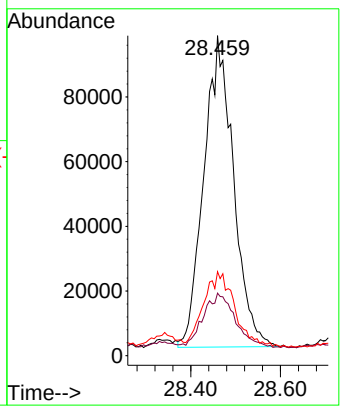


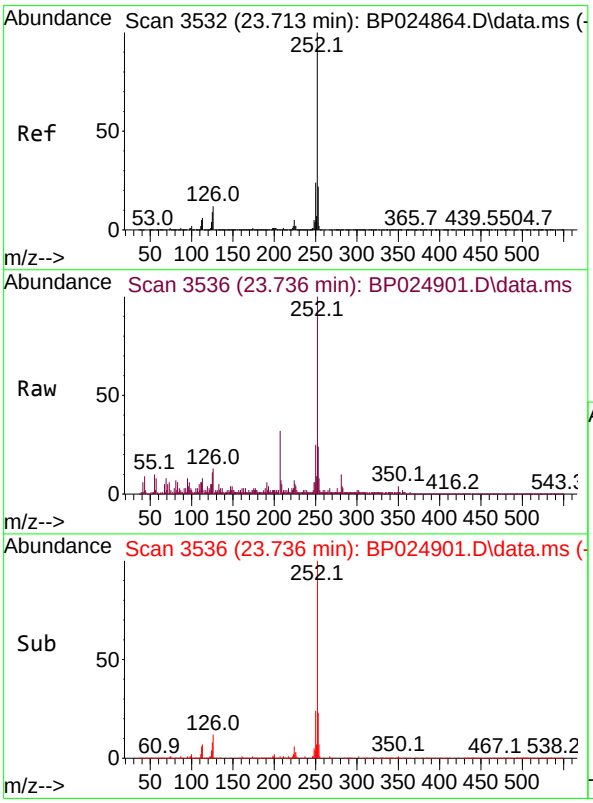
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.361 ng
RT: 28.459 min Scan# 4
Delta R.T. 0.035 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Instrument :
BNA_P
ClientSampleId :
TP-26

Tgt Ion:276 Resp: 441583

Ion	Ratio	Lower	Upper
276	100		
138	18.2	18.6	27.8#
277	25.1	20.2	30.4

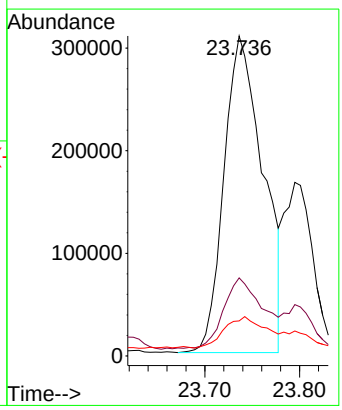


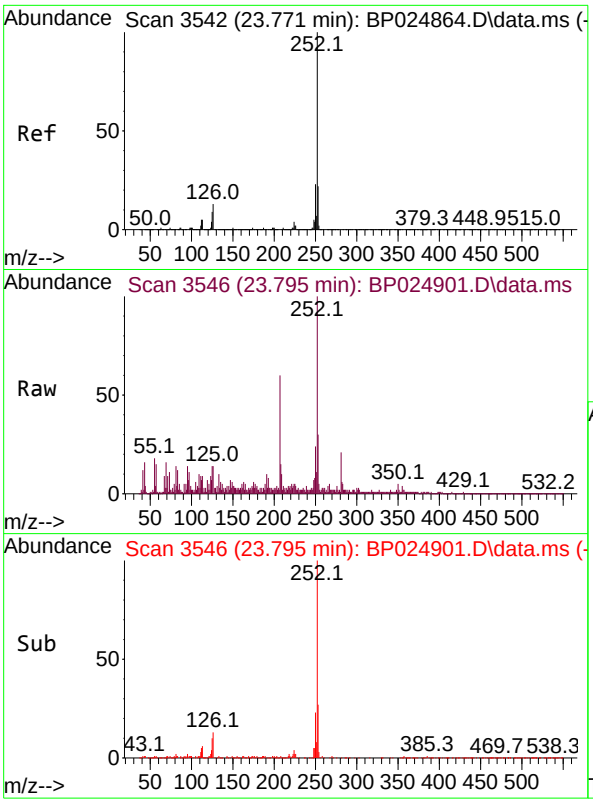


#88
Benzo(b)fluoranthene
Concen: 8.587 ng
RT: 23.736 min Scan# 3536
Delta R.T. 0.024 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Tgt Ion:252 Resp: 884835

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.6	26.4
125	10.9	7.1	10.7#



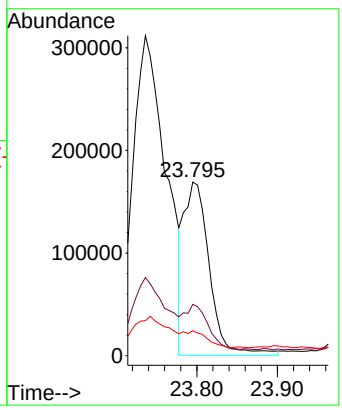


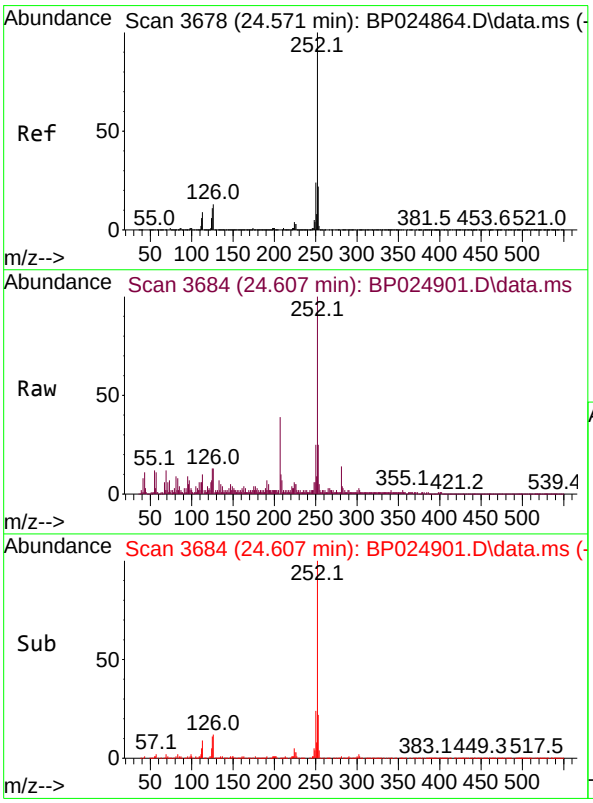
#89
Benzo(k)fluoranthene
Concen: 3.543 ng m
RT: 23.795 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Instrument :
BNA_P
ClientSampleId :
TP-26

Tgt Ion:252 Resp: 371610

Ion	Ratio	Lower	Upper
252	100		
253	29.6	17.7	26.5#
125	14.4	7.4	11.0#

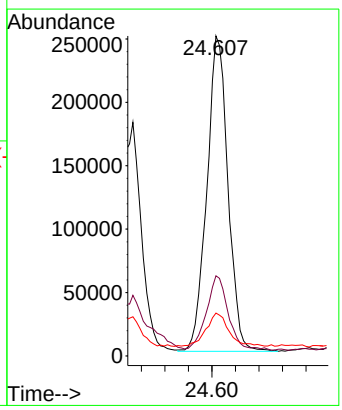


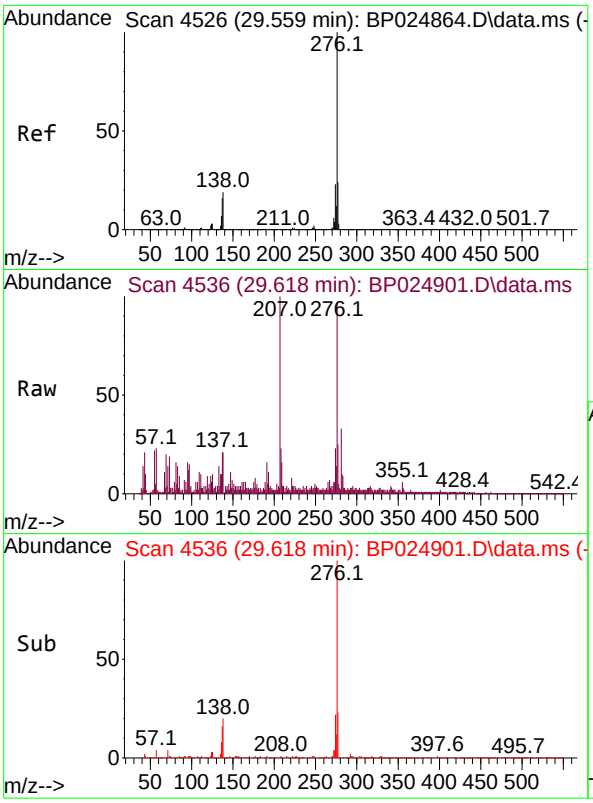


#90
Benzo(a)pyrene
Concen: 6.169 ng
RT: 24.607 min Scan# 3684
Delta R.T. 0.035 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Tgt Ion:252 Resp: 620829

Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.5	26.3
125	13.4	8.8	13.2#



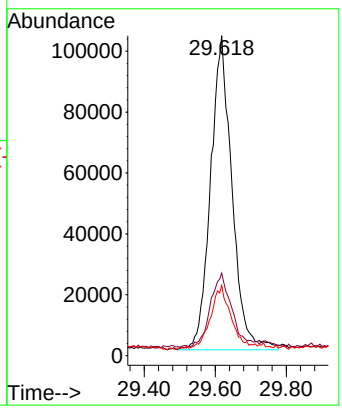


#92
Benzo(g,h,i)perylene
Concen: 4.071 ng
RT: 29.618 min Scan# 4
Delta R.T. 0.059 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Instrument :
BNA_P
ClientSampleId :
TP-26

Tgt Ion:276 Resp: 431887

Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.1	28.7
138	21.9	15.4	23.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024901.D
Acq On : 10 Jun 2025 19:51
Operator : RC/JU
Sample : Q2176-04 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-26

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_P\Methods\8270E-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024901.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.426	76	83	106	rBV	3926262	6147675	84.56%	8.161%
2	4.772	307	312	322	rBV	193629	284824	3.92%	0.378%
3	5.237	385	391	406	rBV	2119428	3270267	44.98%	4.341%
4	6.814	653	659	676	rBV	1960056	3493069	48.05%	4.637%
5	7.608	785	794	804	rBV	1219646	1886328	25.95%	2.504%
6	8.761	983	990	1010	rBV	1294143	2317236	31.87%	3.076%
7	10.378	1253	1265	1280	rBV	1600893	2787734	38.34%	3.701%
8	12.854	1679	1686	1706	rBV	3667709	5737407	78.92%	7.616%
9	13.572	1801	1808	1812	rBV2	47230	88644	1.22%	0.118%
10	13.972	1869	1876	1882	rBV	61664	116204	1.60%	0.154%
11	14.154	1901	1907	1911	rBV	63458	89132	1.23%	0.118%
12	14.254	1914	1924	1931	rVV	2250499	3631237	49.95%	4.820%
13	14.319	1931	1935	1942	rVB	110683	183199	2.52%	0.243%
14	14.666	1990	1994	1998	rVB	65191	91564	1.26%	0.122%
15	15.119	2069	2071	2076	rVB2	63615	81897	1.13%	0.109%
16	15.325	2101	2106	2111	rBV	138469	208008	2.86%	0.276%
17	15.537	2138	2142	2148	rBV3	49303	78764	1.08%	0.105%
18	15.643	2154	2160	2167	rBV	752709	1099847	15.13%	1.460%
19	15.778	2176	2183	2197	rBV	2670381	4171232	57.37%	5.537%
20	16.007	2217	2222	2224	rBV3	113956	161577	2.22%	0.214%
21	16.219	2254	2258	2263	rBV	84484	110480	1.52%	0.147%
22	16.625	2324	2327	2338	rVB6	45526	77586	1.07%	0.103%
23	16.825	2358	2361	2365	rVV2	73923	89405	1.23%	0.119%
24	16.878	2366	2370	2380	rVB	131868	215177	2.96%	0.286%
25	17.060	2395	2401	2405	rBV2	2703760	3965103	54.54%	5.264%
26	17.101	2405	2408	2415	rVB	1363447	2026474	27.87%	2.690%
27	17.201	2420	2425	2431	rVB	320827	511377	7.03%	0.679%
28	17.589	2487	2491	2496	rVB2	119109	163077	2.24%	0.216%
29	17.660	2500	2503	2513	rVB2	65671	132970	1.83%	0.177%
30	17.966	2551	2555	2558	rBV	160292	219292	3.02%	0.291%
31	18.007	2558	2562	2571	rVB2	490484	981531	13.50%	1.303%
32	18.166	2585	2589	2594	rBV2	418051	718769	9.89%	0.954%
33	18.207	2594	2596	2602	rVB	197341	237400	3.27%	0.315%
34	18.307	2609	2613	2622	rVB2	139616	222649	3.06%	0.296%
35	18.495	2641	2645	2649	rBV	168355	238678	3.28%	0.317%
36	18.925	2715	2718	2722	rVB	140254	187674	2.58%	0.249%

Sample Results: **BP024901.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024901.D
Acq On : 10 Jun 2025 19:51
Operator : RC/JU
Sample : Q2176-04 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-26

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_P\Methods\8270E-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.972	2723	2726	2732	rVB5	124007	203486	2.80%	0.270%
38	19.195	2759	2764	2773	rBV	3664535	4946953	68.04%	6.567%
39	19.578	2820	2829	2834	rBV	2686581	4427876	60.90%	5.878%
40	19.801	2862	2867	2871	rBV	6810878	7270345	100.00%	9.651%
41	20.101	2915	2918	2921	rVB	345796	364885	5.02%	0.484%
42	20.136	2921	2924	2928	rBV	188815	198663	2.73%	0.264%
43	20.201	2932	2935	2940	rVB	300220	398942	5.49%	0.530%
44	21.501	3149	3156	3161	rBV2	3011864	6004426	82.59%	7.971%
45	21.548	3161	3164	3169	rVB	983724	1392989	19.16%	1.849%
46	24.766	3705	3711	3719	rVB	1758441	4098997	56.38%	5.441%

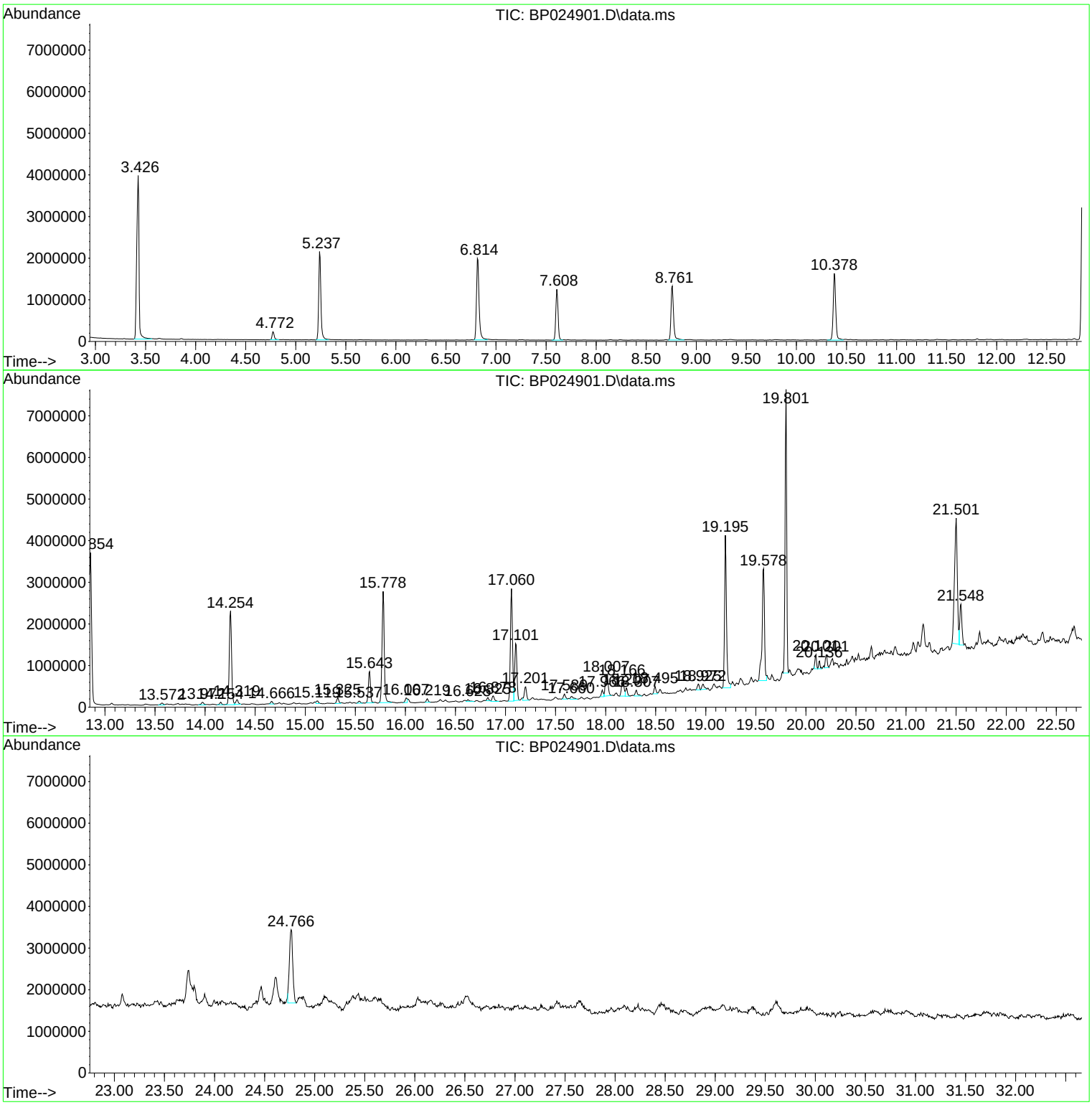
Sum of corrected areas: 75331049

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024901.D
Acq On : 10 Jun 2025 19:51
Operator : RC/JU
Sample : Q2176-04 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-26

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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_P\Data\BP061025\
Data File : BP024901.D
Acq On : 10 Jun 2025 19:51
Operator : RC/JU
Sample : Q2176-04 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-26

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

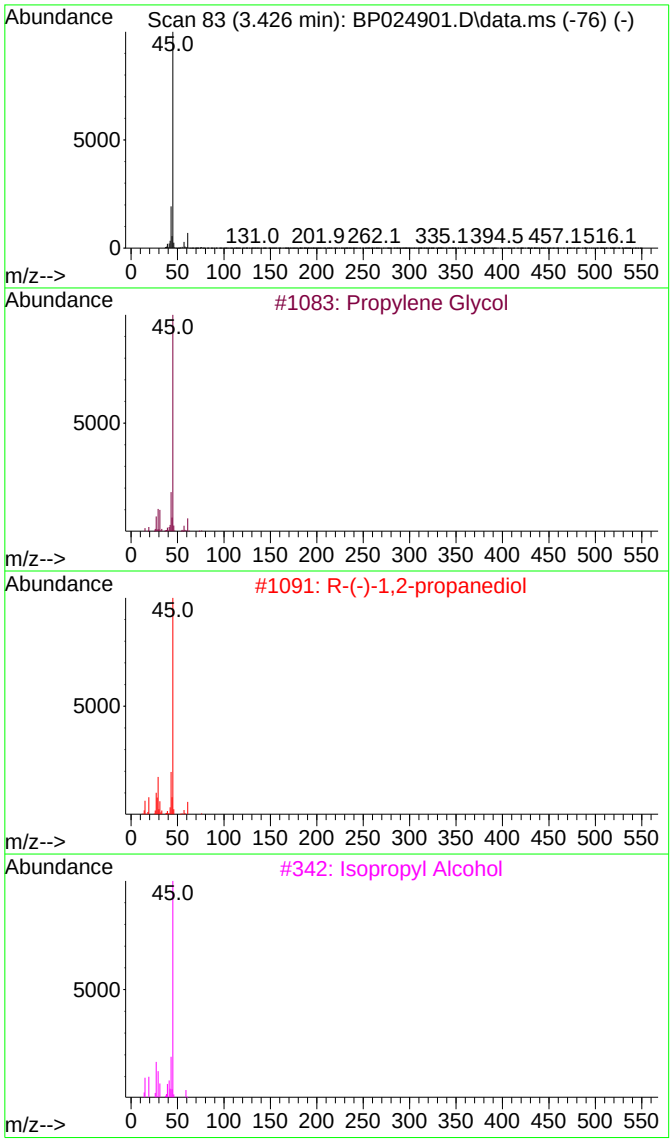
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

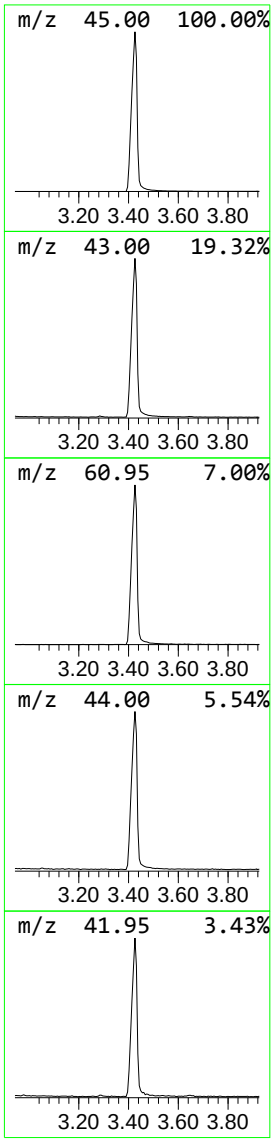
****

Peak Number 1 Propylene Glycol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.426	65.18 ng	6147680	1,4-Dichlorobenzene-d4	7.608

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propylene Glycol	76	C3H8O2	000057-55-6	90
2	R-(-)-1,2-propanediol	76	C3H8O2	004254-14-2	78
3	Isopropyl Alcohol	60	C3H8O	000067-63-0	56
4	Propanoic acid, 2-hydroxy-, meth...	104	C4H8O3	000547-64-8	40
5	2-Pentanol	88	C5H12O	006032-29-7	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024901.D
Acq On : 10 Jun 2025 19:51
Operator : RC/JU
Sample : Q2176-04 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-26

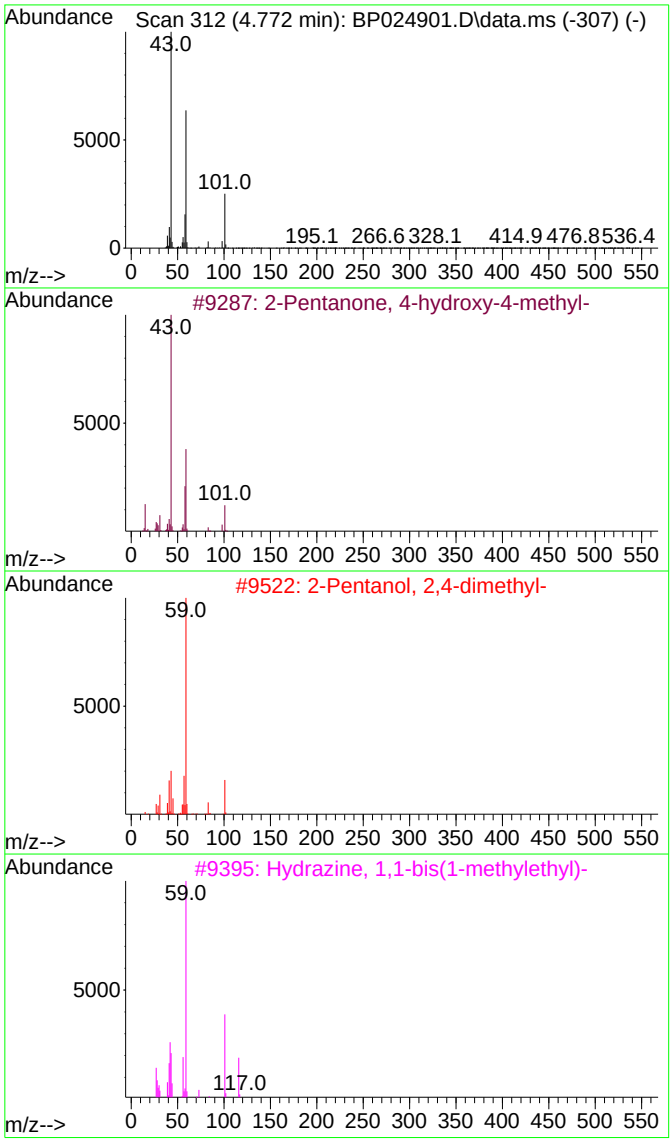
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

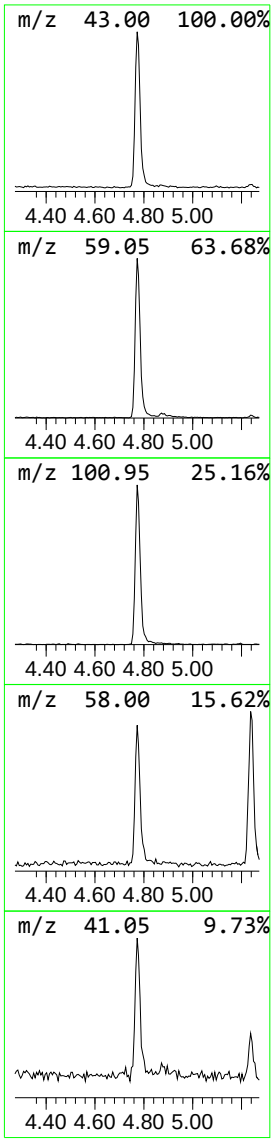
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.772	3.02 ng	284824	1,4-Dichlorobenzene-d4	7.608

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	42
3	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	28
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
5	2,5,8,11-Tetraoxadodecane	178	C8H18O4	000112-49-2	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024901.D
Acq On : 10 Jun 2025 19:51
Operator : RC/JU
Sample : Q2176-04 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-26

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

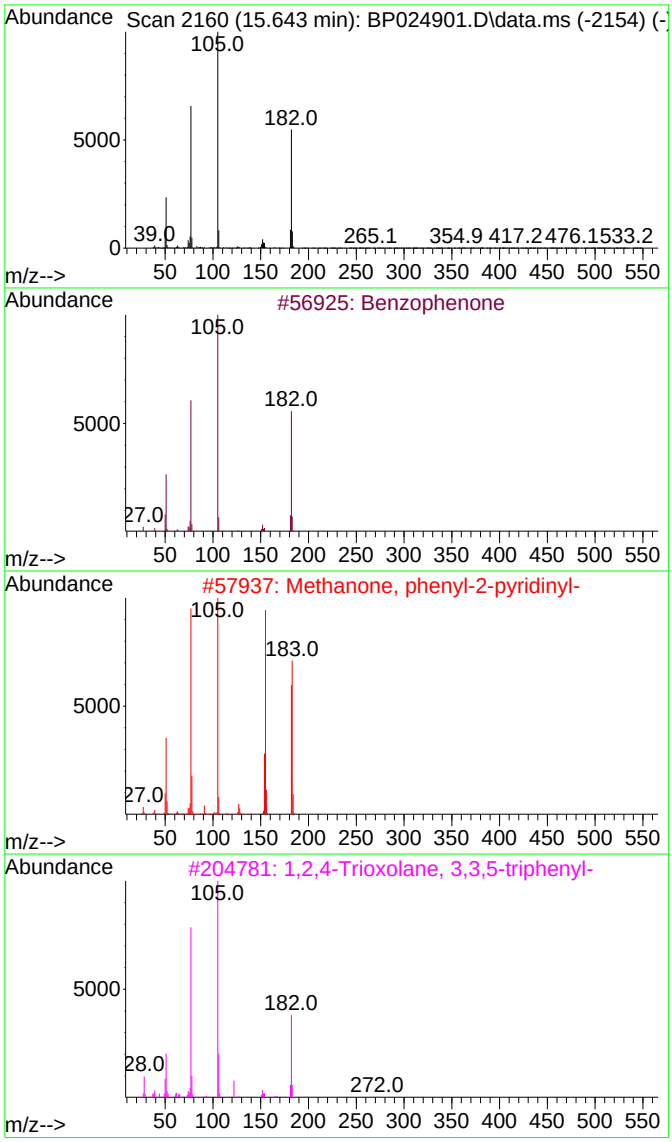
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

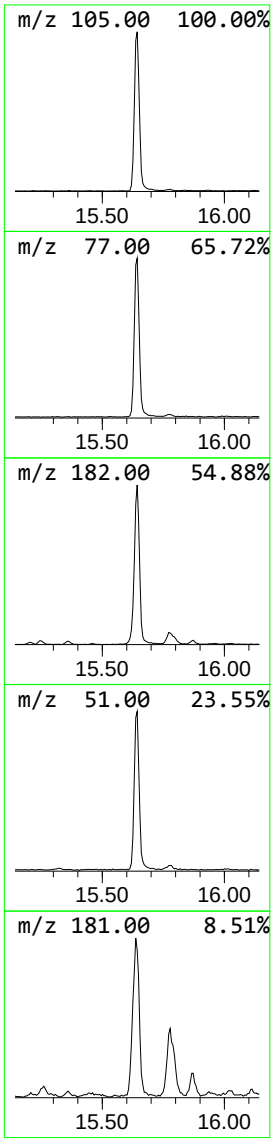
****

Peak Number 3 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.643	6.06 ng	1099850	Acenaphthene-d10	14.254

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56
3	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	50
4	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	45
5	Azobenzene	182	C12H10N2	000103-33-3	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024901.D
Acq On : 10 Jun 2025 19:51
Operator : RC/JU
Sample : Q2176-04 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-26

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

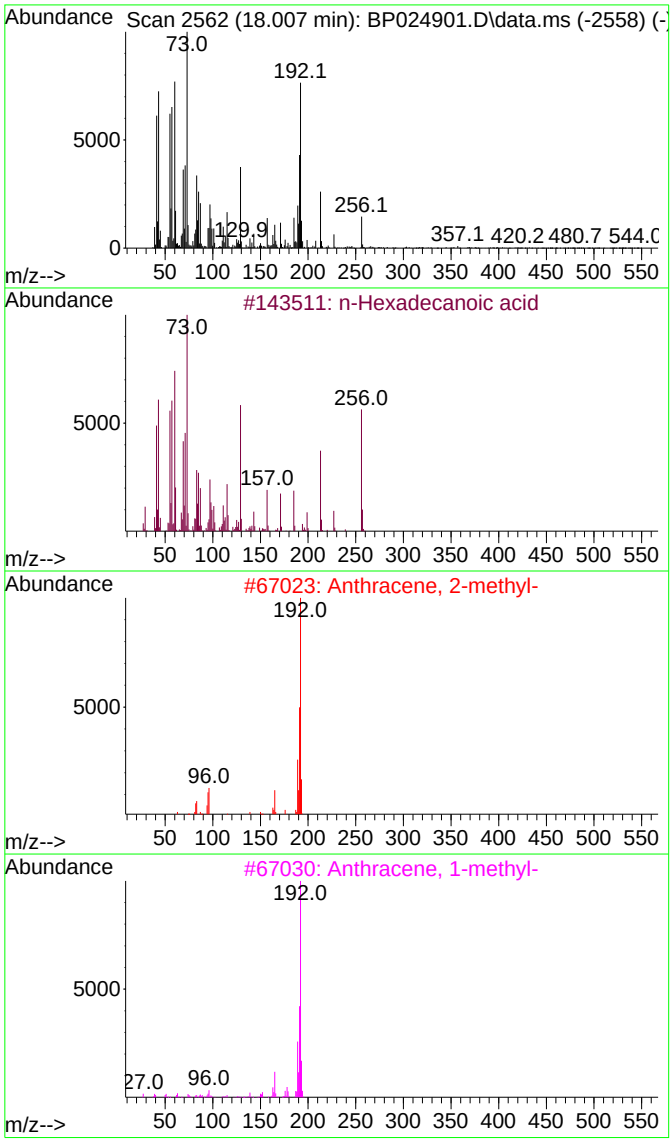
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

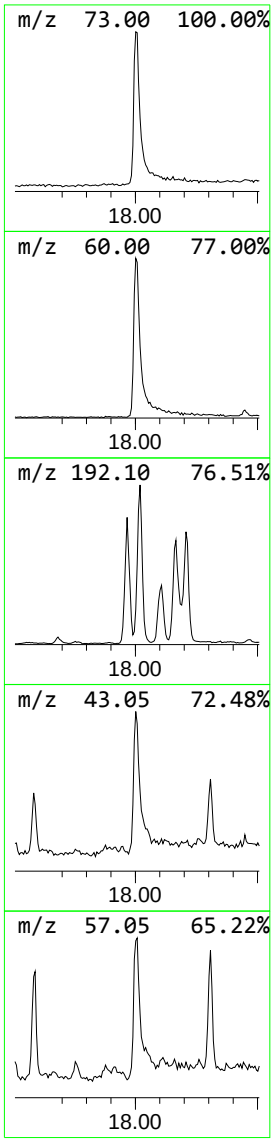
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.007	4.95 ng	981531	Phenanthrene-d10	17.060

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	83
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	74
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024901.D
Acq On : 10 Jun 2025 19:51
Operator : RC/JU
Sample : Q2176-04 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-26

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

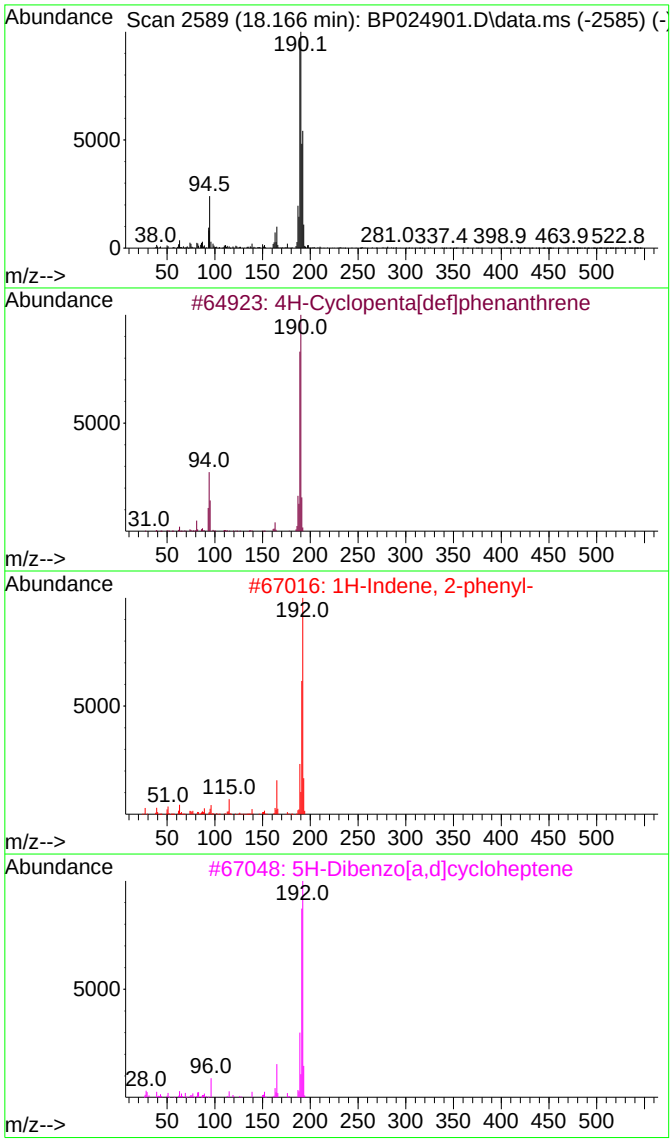
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

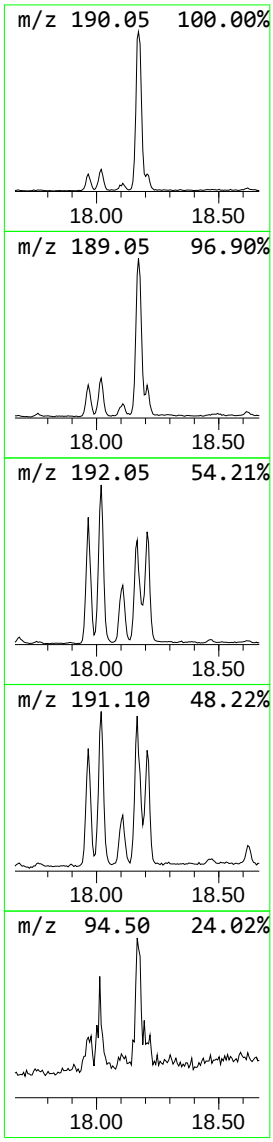
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.166	3.63 ng	718769	Phenanthrene-d10	17.060

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	20





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024901.D
Acq On : 10 Jun 2025 19:51
Operator : RC/JU
Sample : Q2176-04 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-26

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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
Propylene Glycol	3.426	65.2	ng	6147680	1	7.608	1886330	20.0
2-Pentanone, 4-...	4.772	3.0	ng	284824	1	7.608	1886330	20.0
Benzophenone	15.643	6.1	ng	1099850	3	14.254	3631240	20.0
n-Hexadecanoic ...	18.007	5.0	ng	981531	4	17.060	3965100	20.0
4H-Cyclopenta[d...	18.166	3.6	ng	718769	4	17.060	3965100	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024909.D
Acq On : 11 Jun 2025 12:59
Operator : RC/JU
Sample : Q2176-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-28

Quant Time: Jun 11 13:51:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

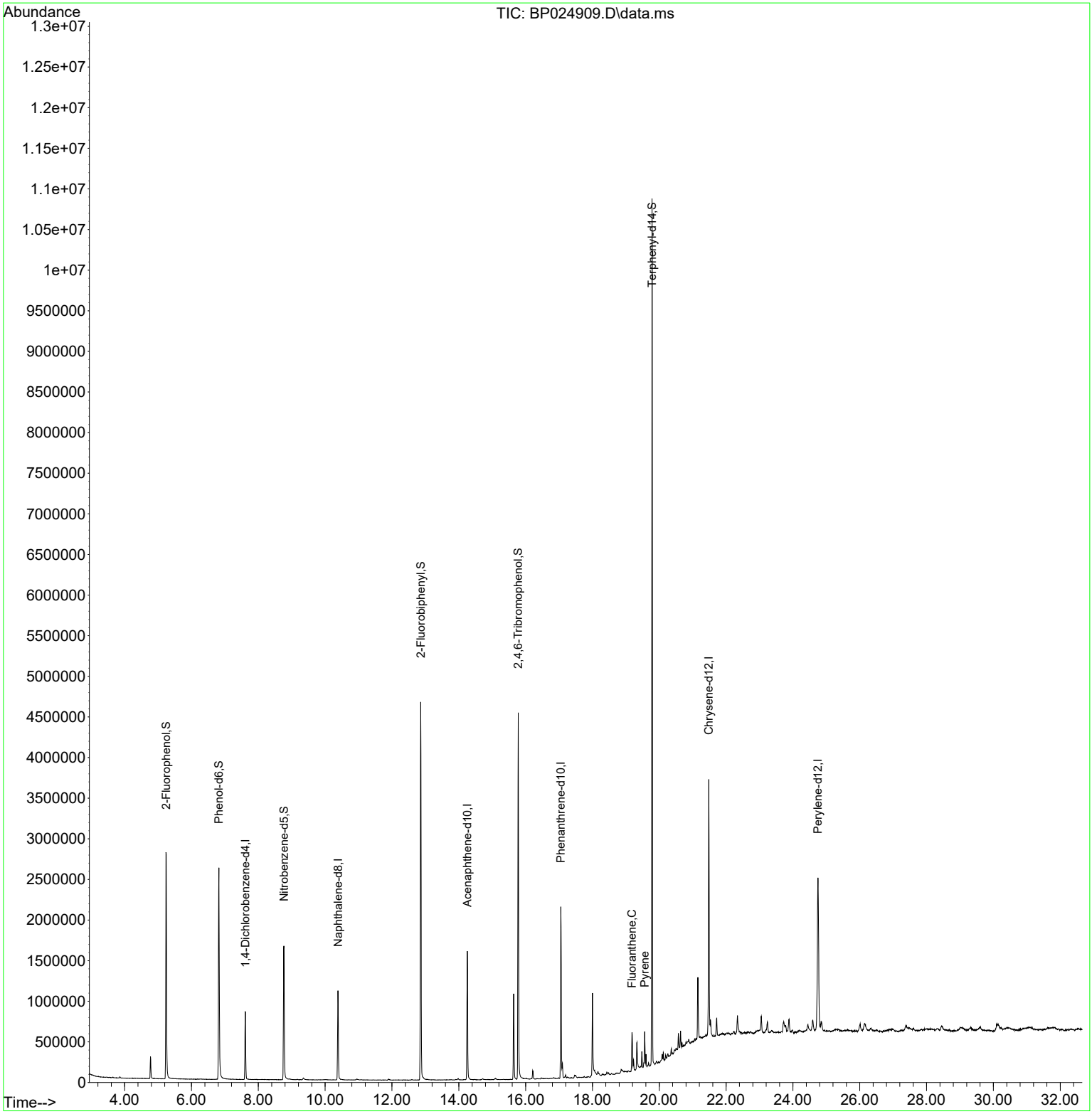
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.613	152	233414	20.000	ng	0.00
21) Naphthalene-d8	10.384	136	929314	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	605225	20.000	ng	0.00
64) Phenanthrene-d10	17.054	188	1276558	20.000	ng	0.00
76) Chrysene-d12	21.483	240	1658469	20.000	ng	0.00
86) Perylene-d12	24.748	264	1985950	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	1321809	94.526	ng	0.00
7) Phenol-d6	6.819	99	1725392	93.256	ng	0.00
23) Nitrobenzene-d5	8.766	82	1047473	54.771	ng	0.00
42) 2,4,6-Tribromophenol	15.778	330	915767	109.442	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	2497088	55.581	ng	0.00
79) Terphenyl-d14	19.783	244	5158788	55.749	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	19.183	202	276047	3.376	ng	99
78) Pyrene	19.566	202	246435	2.378	ng	99

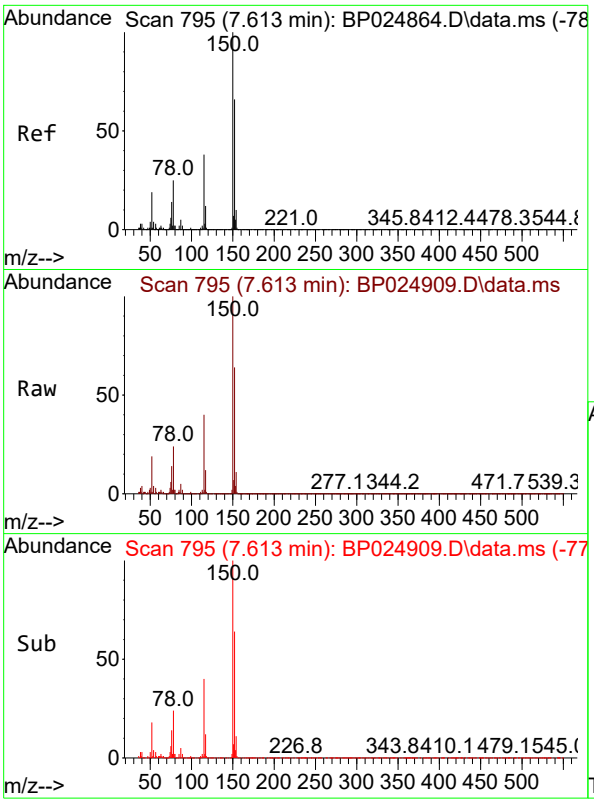
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024909.D
Acq On : 11 Jun 2025 12:59
Operator : RC/JU
Sample : Q2176-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-28

Quant Time: Jun 11 13:51:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration



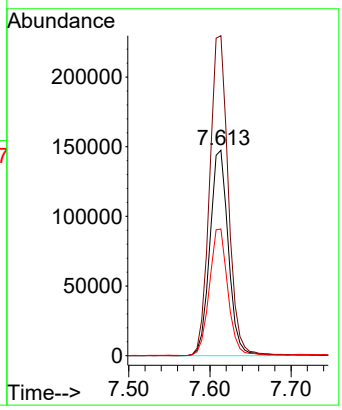


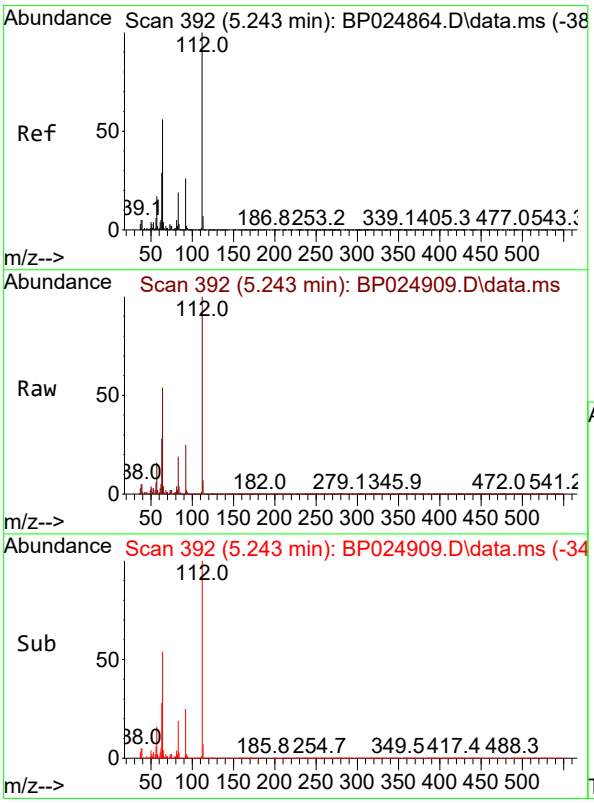
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.613 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Instrument :
BNA_P
ClientSampleId :
TP-28

Tgt Ion:152 Resp: 233414

Ion	Ratio	Lower	Upper
152	100		
150	155.7	122.1	183.1
115	61.7	46.4	69.6

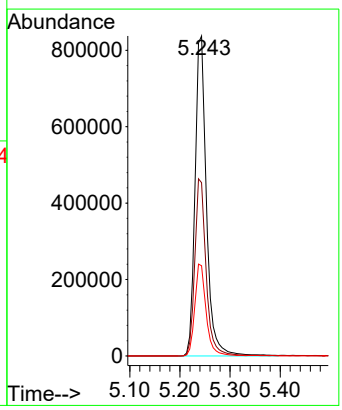


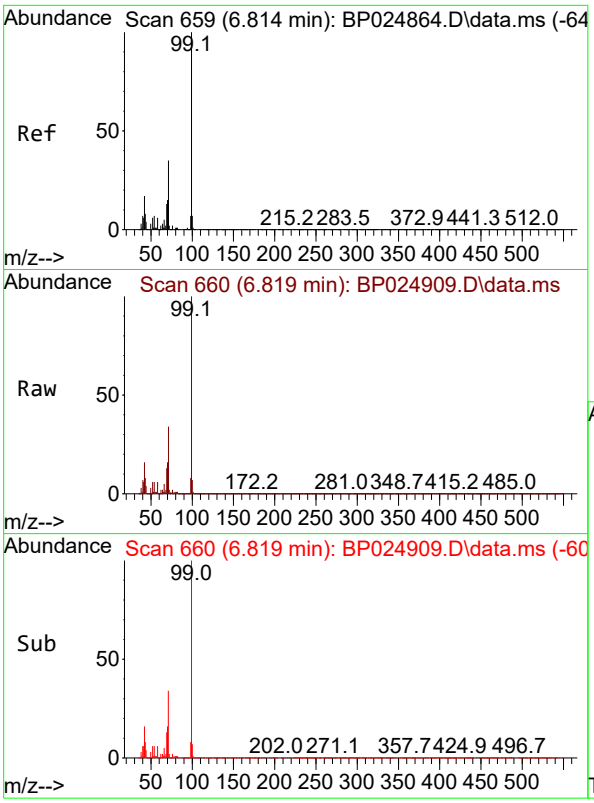


#5
2-Fluorophenol
Concen: 94.526 ng
RT: 5.243 min Scan# 392
Delta R.T. -0.000 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Tgt Ion:112 Resp: 1321809

Ion	Ratio	Lower	Upper
112	100		
64	54.2	44.7	67.1
63	28.2	23.5	35.3



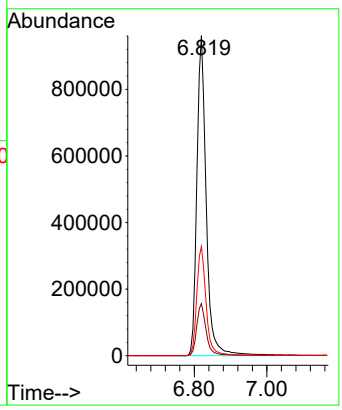


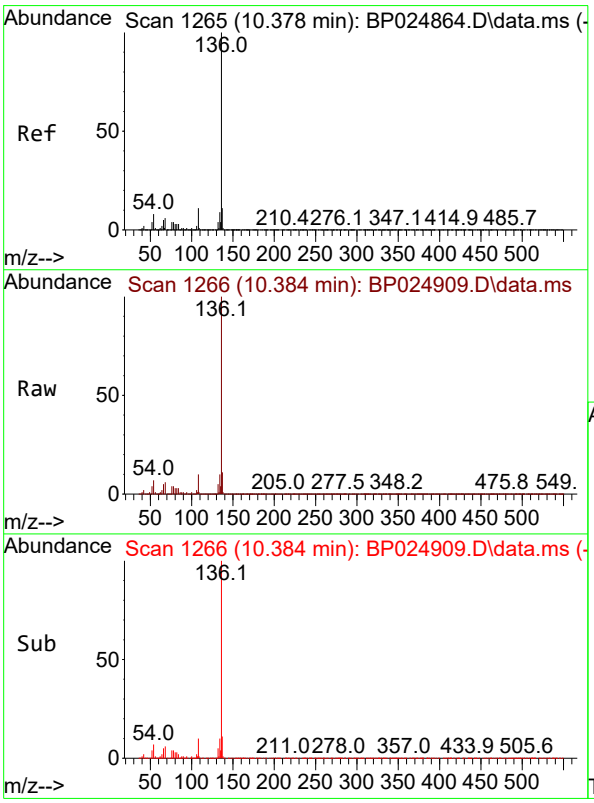
#7
Phenol-d6
Concen: 93.256 ng
RT: 6.819 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Instrument :
BNA_P
ClientSampleId :
TP-28

Tgt Ion: 99 Resp: 1725392

Ion	Ratio	Lower	Upper
99	100		
42	16.3	13.4	20.2
71	34.1	27.6	41.4

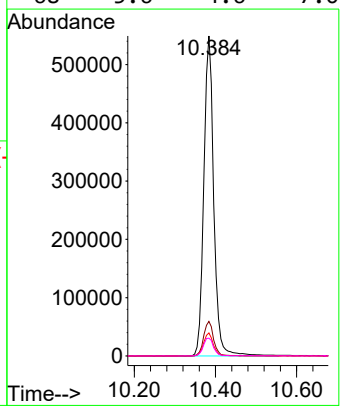


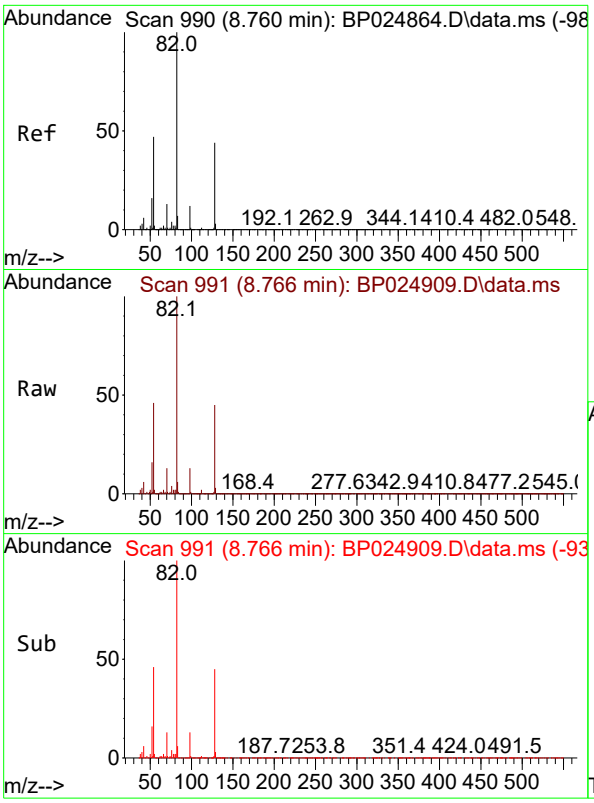


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.384 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Tgt Ion:136 Resp: 929314

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.2	6.1	9.1
68	5.6	4.6	7.0



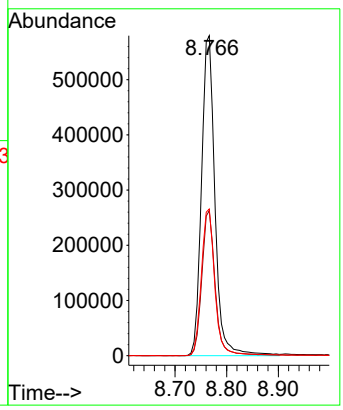


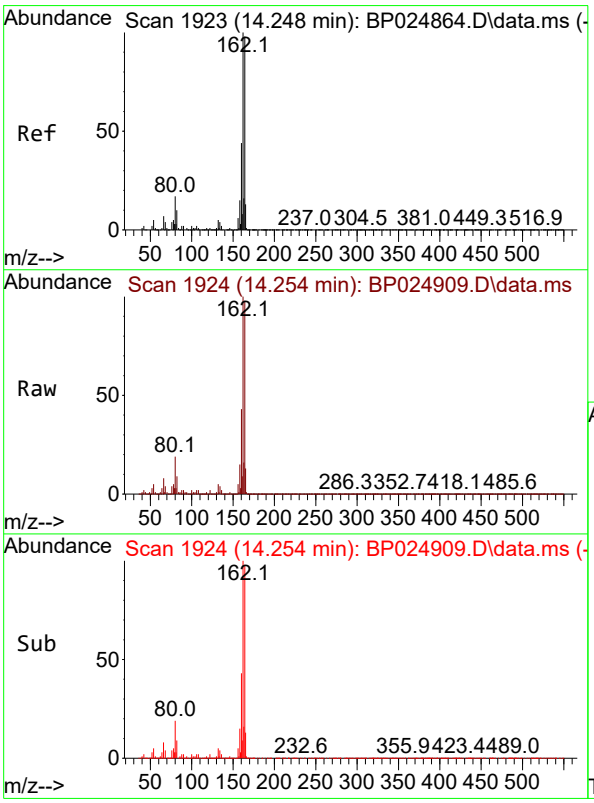
#23
Nitrobenzene-d5
Concen: 54.771 ng
RT: 8.766 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Instrument :
BNA_P
ClientSampleId :
TP-28

Tgt Ion: 82 Resp: 1047473

Ion	Ratio	Lower	Upper
82	100		
128	45.3	35.3	52.9
54	45.9	37.4	56.0

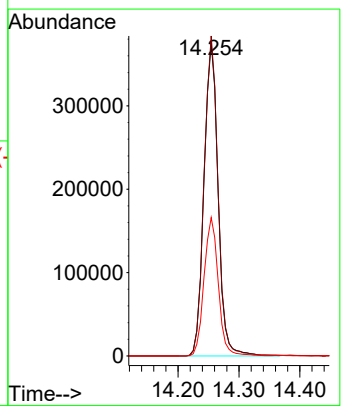


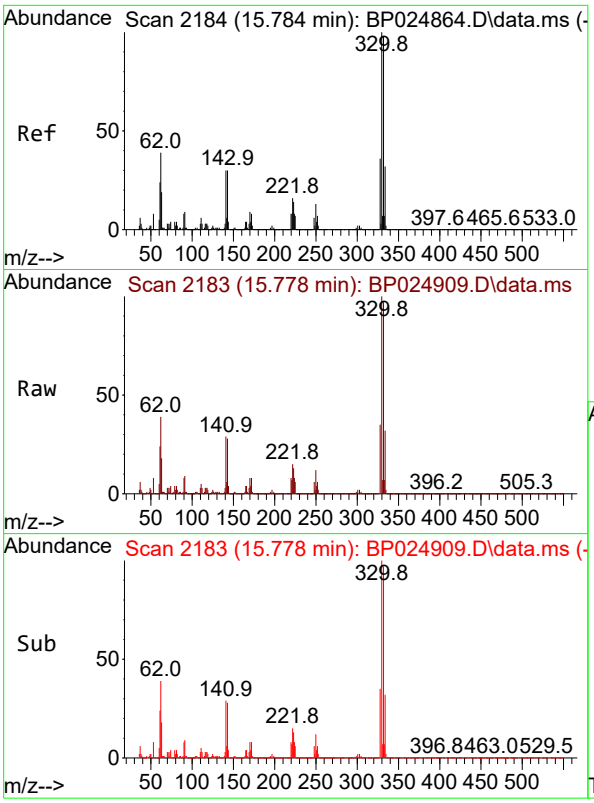


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Tgt Ion:164 Resp: 605225

Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.6	122.4
160	44.2	36.2	54.2



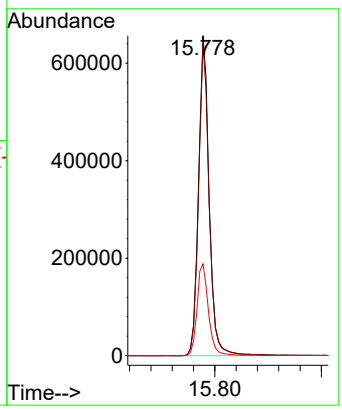


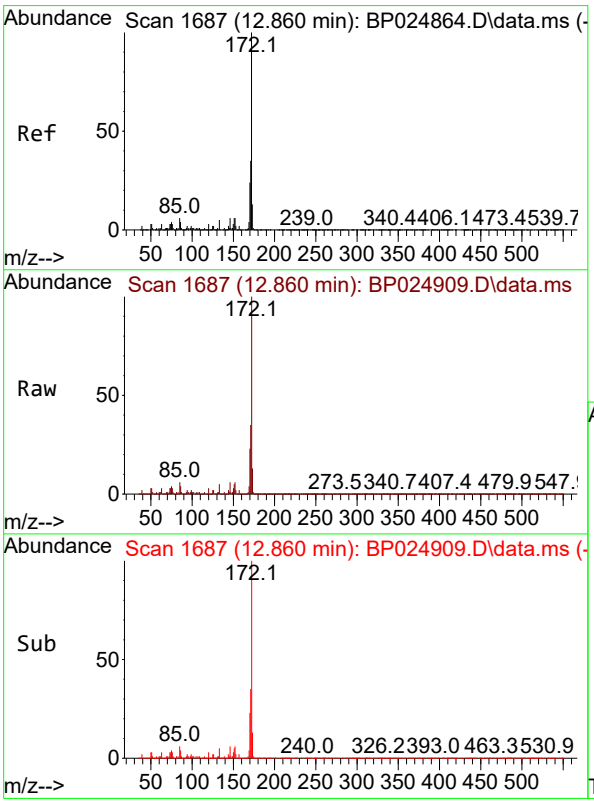
#42
2,4,6-Tribromophenol
Concen: 109.442 ng
RT: 15.778 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Instrument :
BNA_P
ClientSampleId :
TP-28

Tgt Ion:330 Resp: 915767

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.7	116.5
141	30.4	26.4	39.6

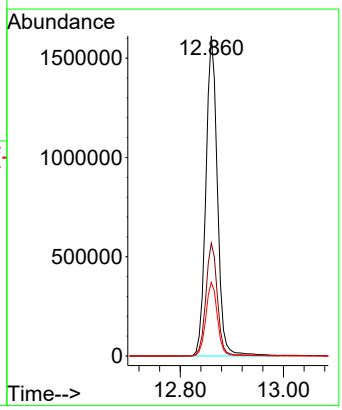


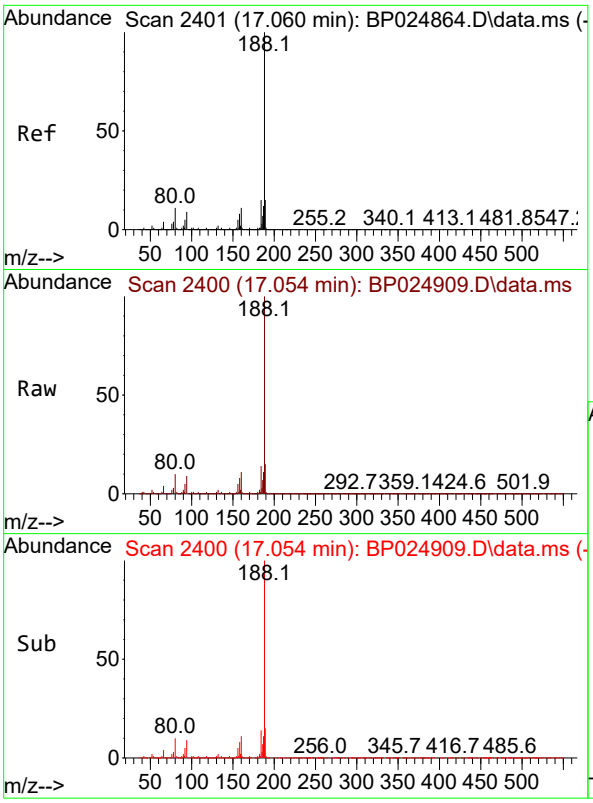


#45
2-Fluorobiphenyl
Concen: 55.581 ng
RT: 12.860 min Scan# 1687
Delta R.T. -0.000 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Tgt Ion:172 Resp: 2497088

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.3	42.5
170	23.0	19.0	28.4



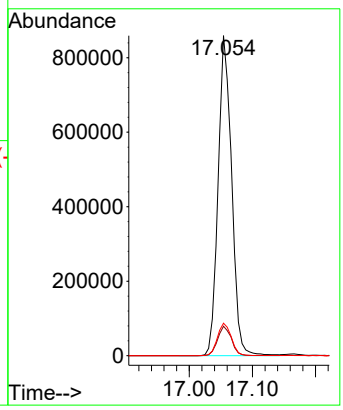


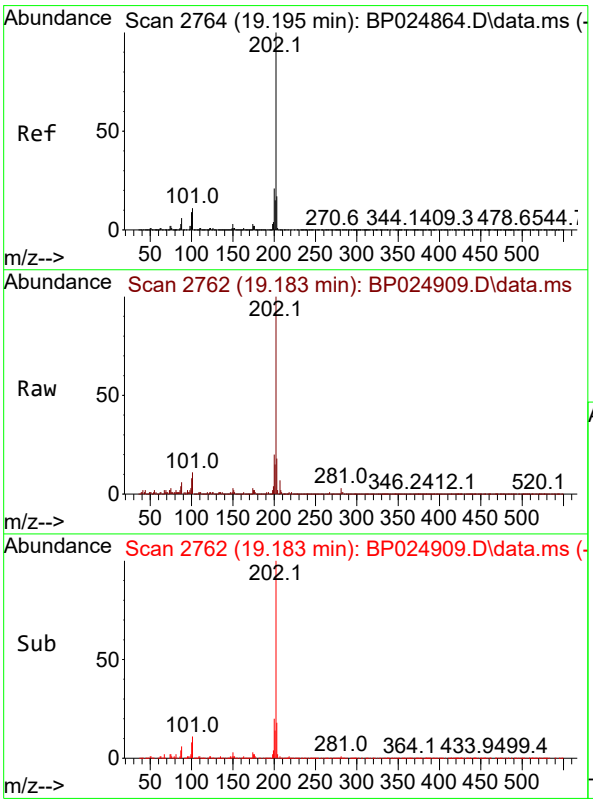
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.054 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Instrument :
BNA_P
ClientSampleId :
TP-28

Tgt Ion:188 Resp: 1276558

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.3	10.9
80	10.1	8.5	12.7

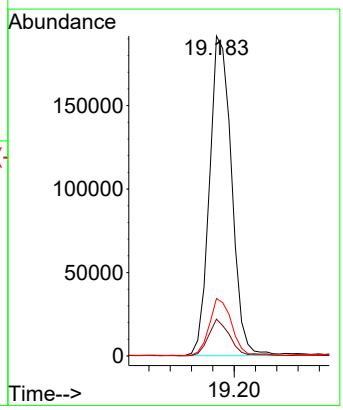


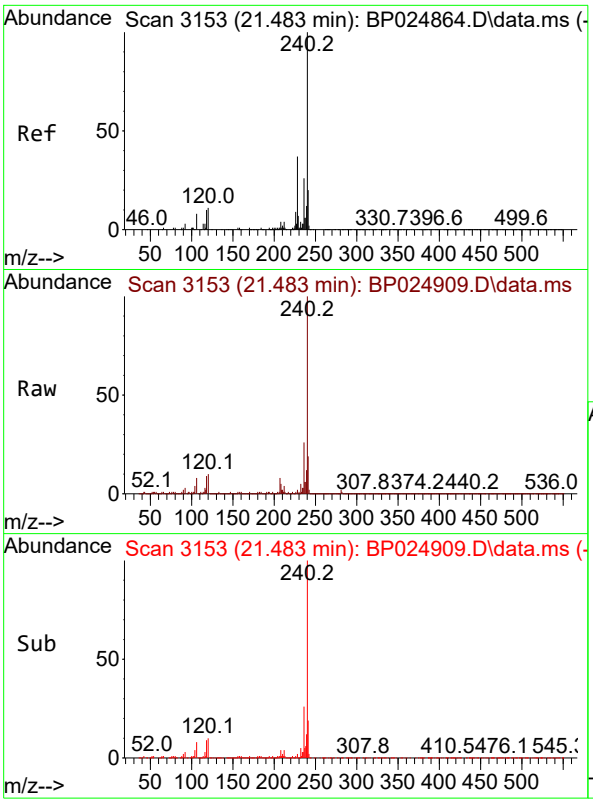


#75
Fluoranthene
Concen: 3.376 ng
RT: 19.183 min Scan# 2762
Delta R.T. -0.012 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Tgt Ion:202 Resp: 276047

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.4
203	18.0	0.0	37.5



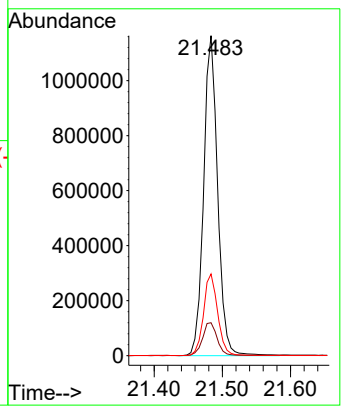


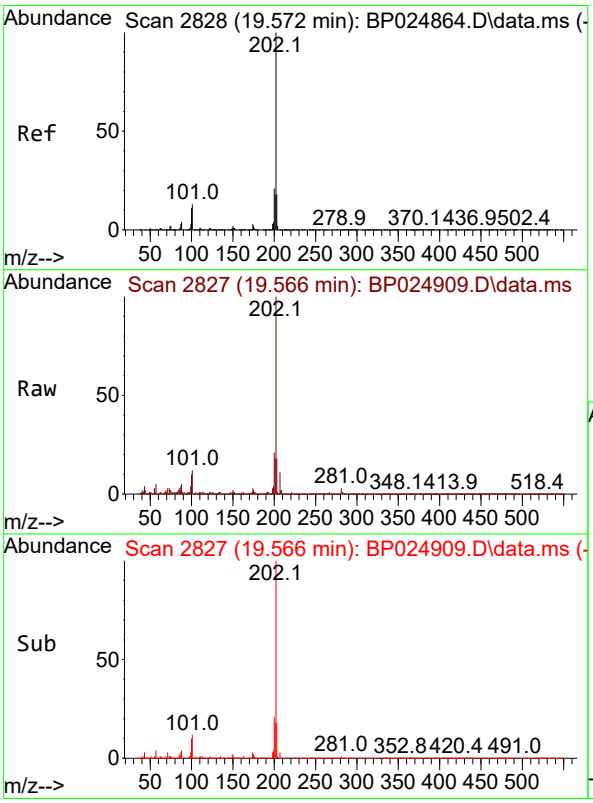
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.483 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Instrument :
BNA_P
ClientSampleId :
TP-28

Tgt Ion:240 Resp: 1658469

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.9	13.3
236	25.5	20.9	31.3

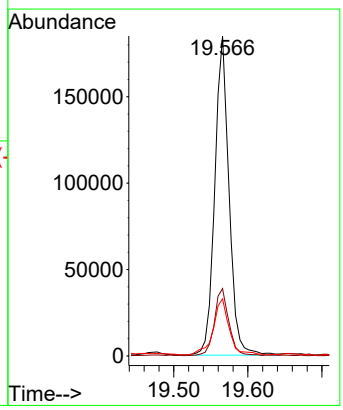


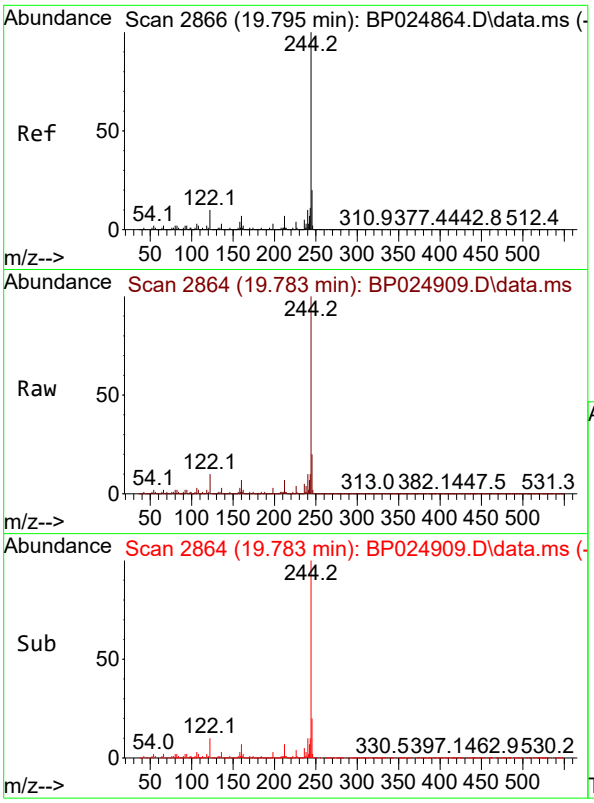


#78
Pyrene
Concen: 2.378 ng
RT: 19.566 min Scan# 2827
Delta R.T. -0.006 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Tgt Ion:202 Resp: 246435

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.1	25.7
203	17.8	14.0	21.0



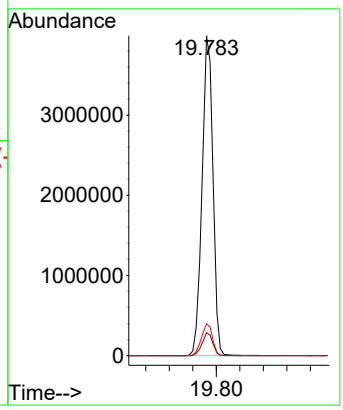


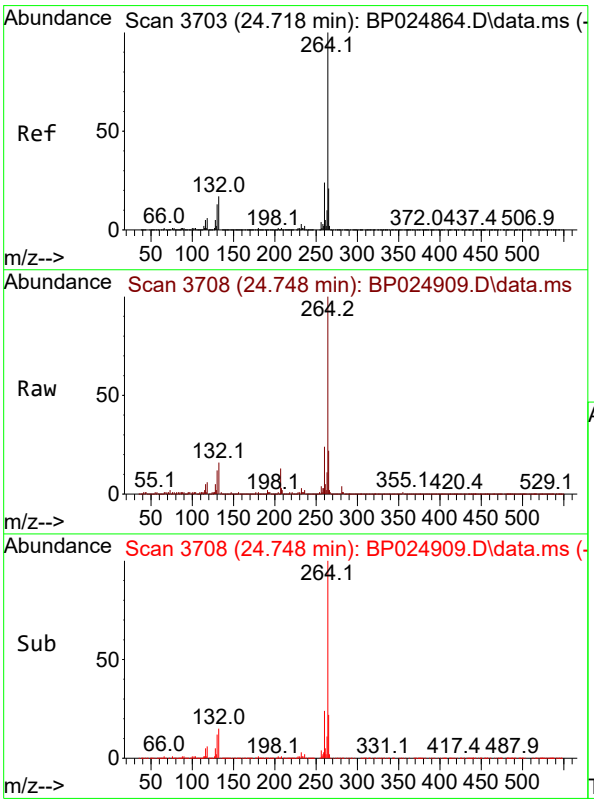
#79
Terphenyl-d14
Concen: 55.749 ng
RT: 19.783 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Instrument :
BNA_P
ClientSampleId :
TP-28

Tgt Ion:244 Resp: 5158788

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	10.0	7.7	11.5

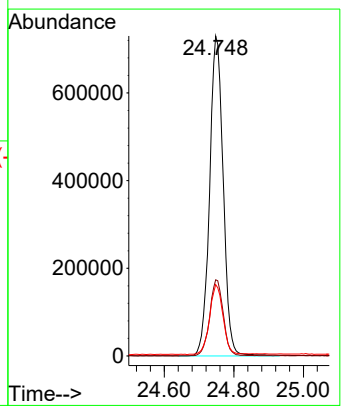




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.748 min Scan# 3708
Delta R.T. 0.029 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Tgt Ion:264 Resp: 1985950

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.4
265	22.3	17.4	26.0



Sample Results: **BP024909.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024909.D
Acq On : 11 Jun 2025 12:59
Operator : RC/JU
Sample : Q2176-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-28

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_P\Methods\8270E-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024909.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.772	307	312	327	rVB	269540	399432	2.89%	0.601%
2	5.237	385	391	409	rBV	2786869	4383665	31.72%	6.595%
3	6.819	653	660	688	rBV	2602385	4725552	34.20%	7.110%
4	7.608	788	794	804	rBV	834675	1333728	9.65%	2.007%
5	8.766	983	991	1011	rBV	1646469	2977775	21.55%	4.480%
6	10.384	1258	1266	1279	rBV	1097524	1848191	13.37%	2.781%
7	12.860	1679	1687	1710	rBV	4653400	7243553	52.42%	10.898%
8	14.254	1914	1924	1940	rBV	1582502	2578869	18.66%	3.880%
9	15.642	2152	2160	2175	rBV	1056335	1584436	11.47%	2.384%
10	15.778	2176	2183	2201	rBV	4509644	6484071	46.92%	9.756%
11	16.213	2252	2257	2267	rVB	104347	166483	1.20%	0.250%
12	17.054	2394	2400	2405	rBV	2110810	3166682	22.91%	4.764%
13	17.101	2405	2408	2415	rVB	180592	251674	1.82%	0.379%
14	18.001	2556	2561	2570	rBV	1010264	1585447	11.47%	2.385%
15	19.183	2757	2762	2767	rBV	479190	769163	5.57%	1.157%
16	19.230	2767	2770	2774	rVB	124917	161941	1.17%	0.244%
17	19.330	2782	2787	2799	rBV2	332086	629727	4.56%	0.947%
18	19.478	2809	2812	2818	rVB2	197876	232271	1.68%	0.349%
19	19.566	2819	2827	2831	rVV	440392	645734	4.67%	0.972%
20	19.601	2831	2833	2838	rVB	155655	158522	1.15%	0.239%
21	19.783	2858	2864	2870	rBV	10656584	13819276	100.00%	20.792%
22	20.572	2995	2998	3004	rBV	180646	200773	1.45%	0.302%
23	20.636	3006	3009	3013	rVB2	201172	235042	1.70%	0.354%
24	21.154	3092	3097	3106	rBV2	761273	1267731	9.17%	1.907%
25	21.483	3146	3153	3159	rBV	3140453	4822928	34.90%	7.256%
26	24.748	3700	3708	3720	rVB	1835269	4792099	34.68%	7.210%

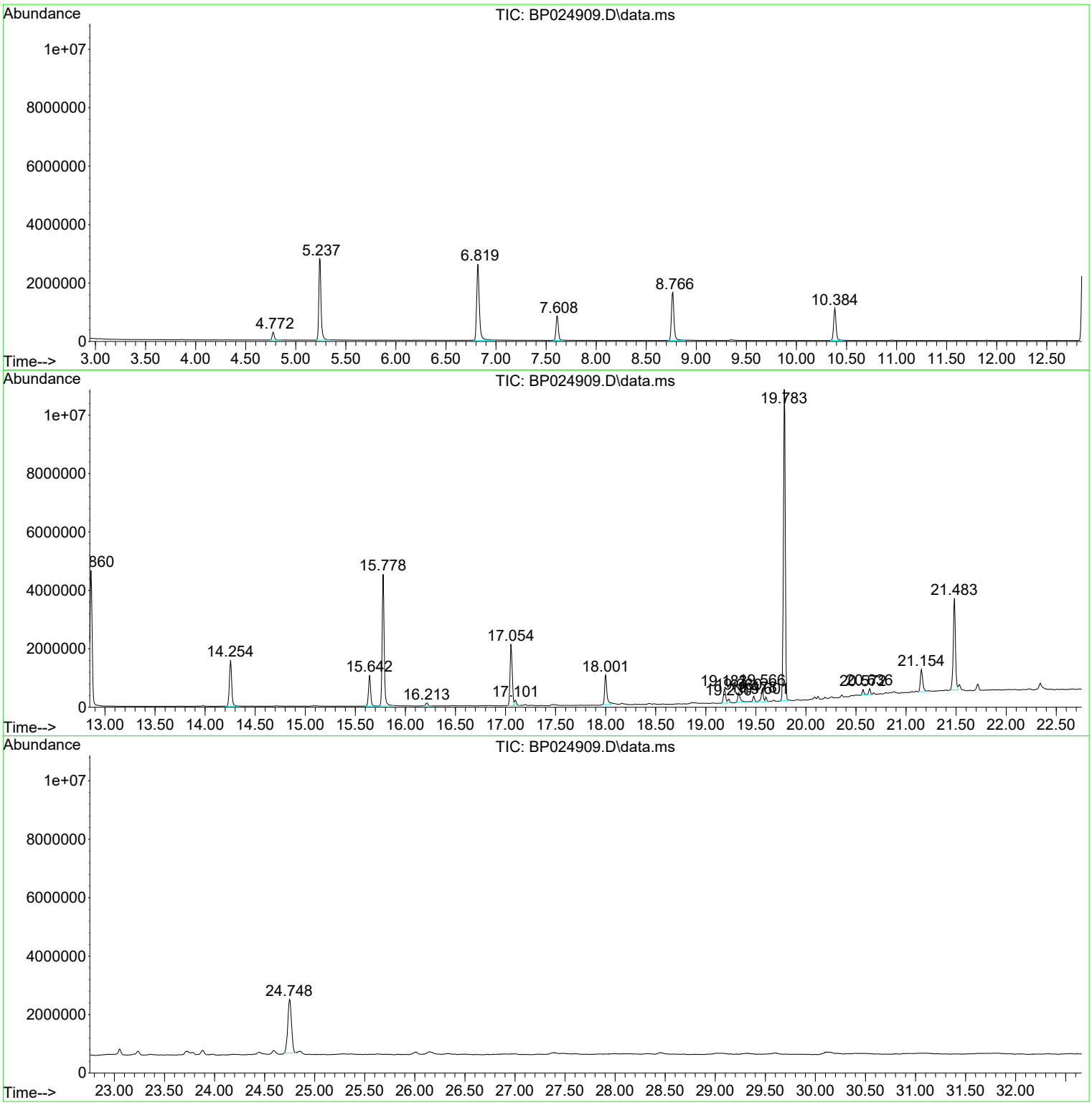
Sum of corrected areas: 66464765

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024909.D
Acq On : 11 Jun 2025 12:59
Operator : RC/JU
Sample : Q2176-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-28

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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_P\Data\BP061125\
Data File : BP024909.D
Acq On : 11 Jun 2025 12:59
Operator : RC/JU
Sample : Q2176-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-28

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

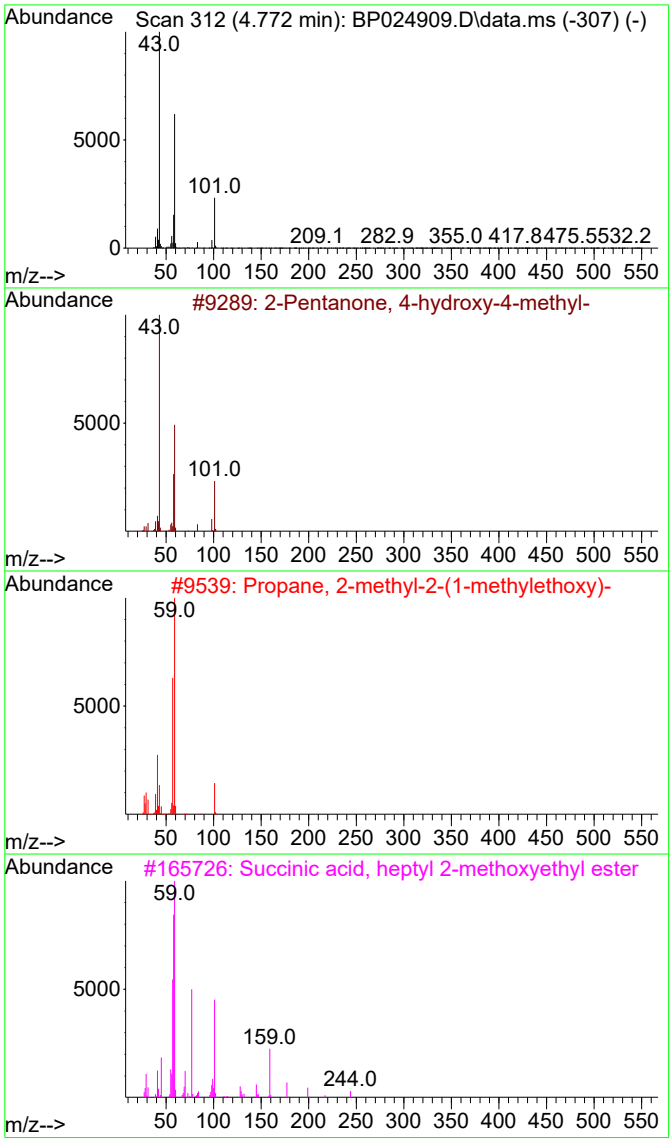
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

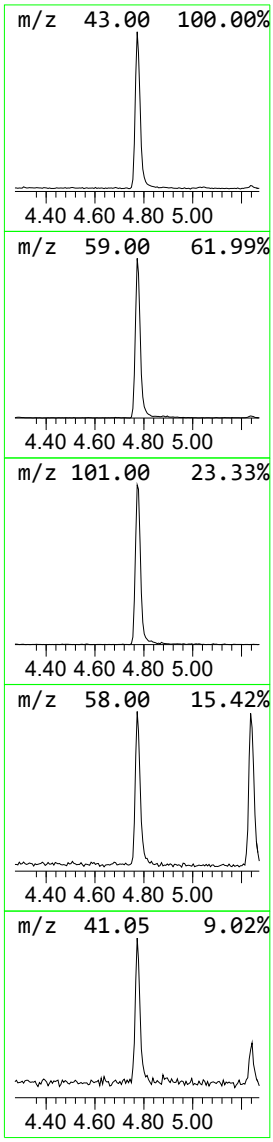
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.772	5.99 ng	399432	1,4-Dichlorobenzene-d4	7.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	50
3	Succinic acid, heptyl 2-methoxye...	274	C14H26O5	1000325-80-7	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024909.D
Acq On : 11 Jun 2025 12:59
Operator : RC/JU
Sample : Q2176-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-28

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

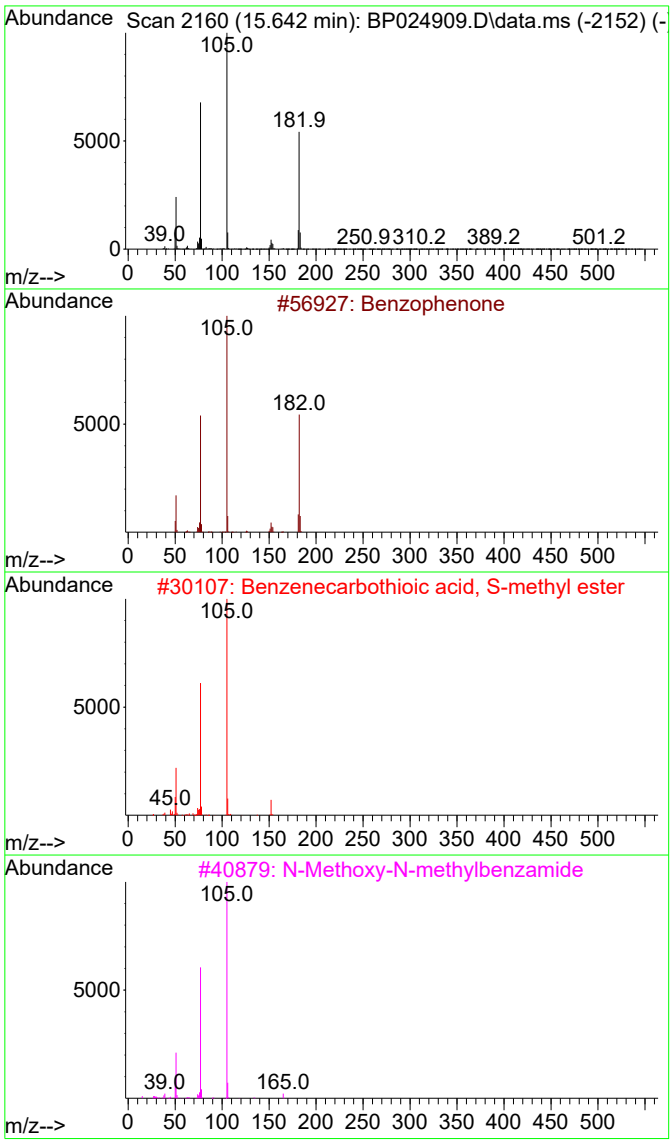
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

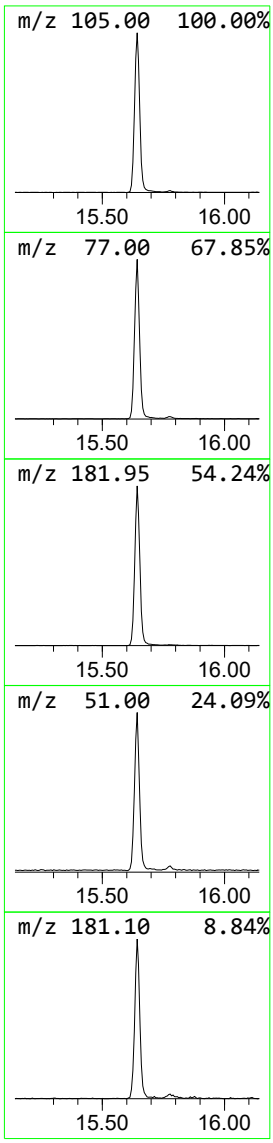
****

Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.642	12.29 ng	1584440	Acenaphthene-d10	14.254

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	50
3	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	49
4	N-Methylbenzamide, N-pentafluoro...	281	C11H8F5NO2	1000446-98-1	47
5	N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024909.D
Acq On : 11 Jun 2025 12:59
Operator : RC/JU
Sample : Q2176-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-28

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

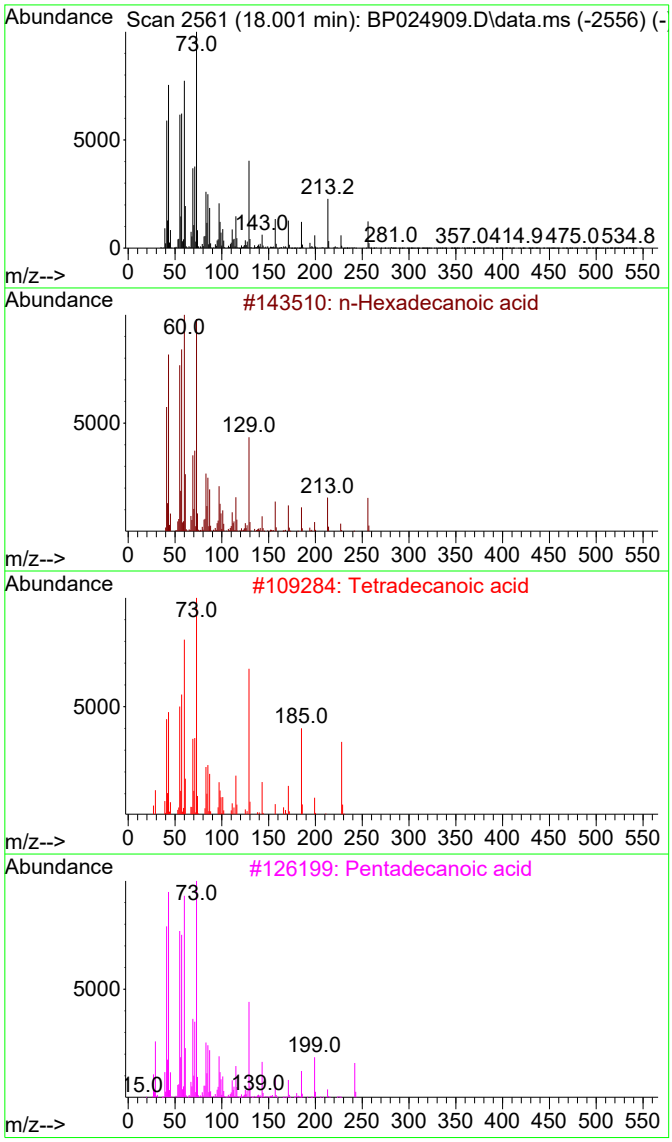
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

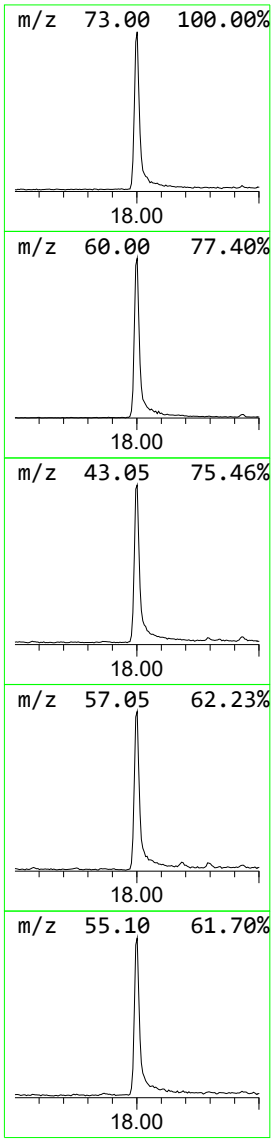
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.001	10.01 ng	1585450	Phenanthrene-d10	17.054

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
4	Tridecanoic acid	214	C13H26O2	000638-53-9	64
5	n-Decanoic acid	172	C10H20O2	000334-48-5	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024909.D
Acq On : 11 Jun 2025 12:59
Operator : RC/JU
Sample : Q2176-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-28

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

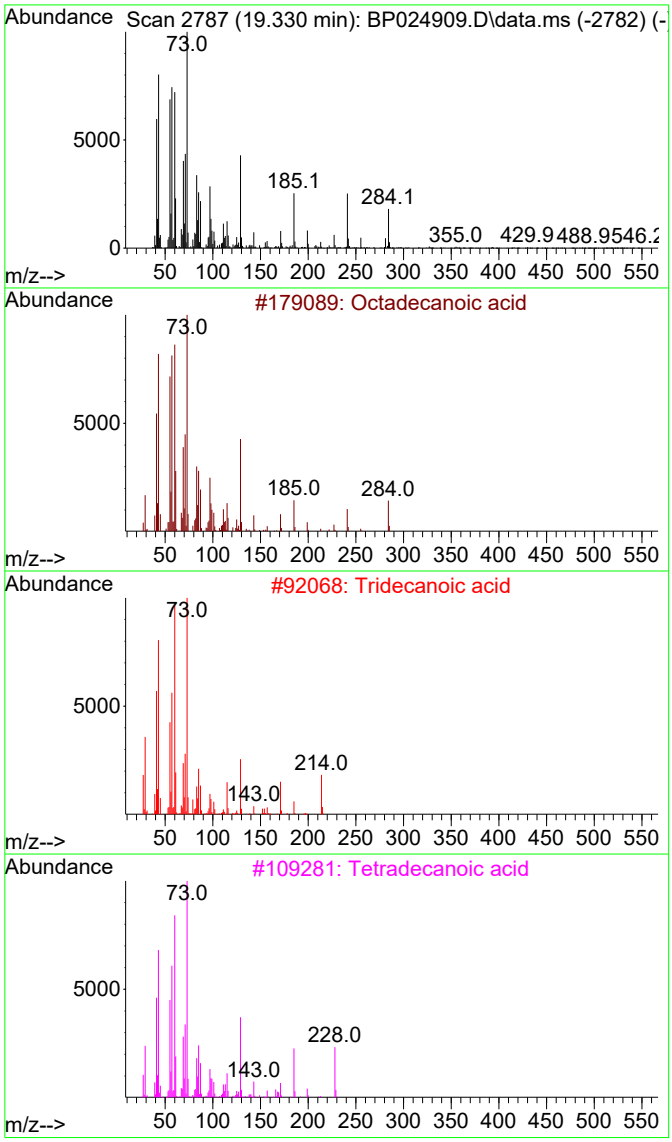
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

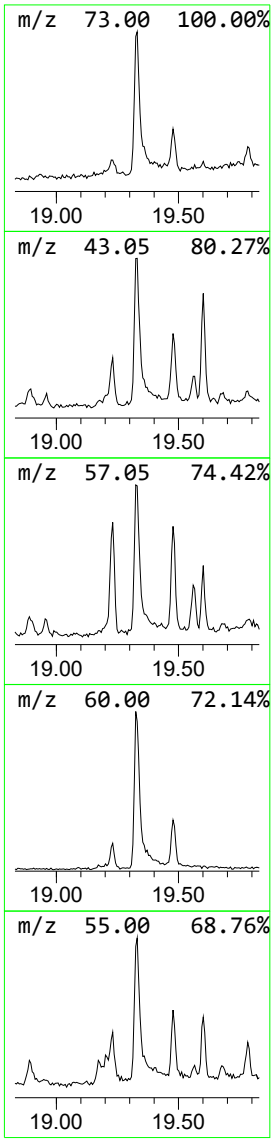
****

Peak Number 4 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.331	2.61 ng	629727	Chrysene-d12	21.483

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	70
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
4	n-Decanoic acid	172	C10H20O2	000334-48-5	58
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024909.D
Acq On : 11 Jun 2025 12:59
Operator : RC/JU
Sample : Q2176-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-28

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

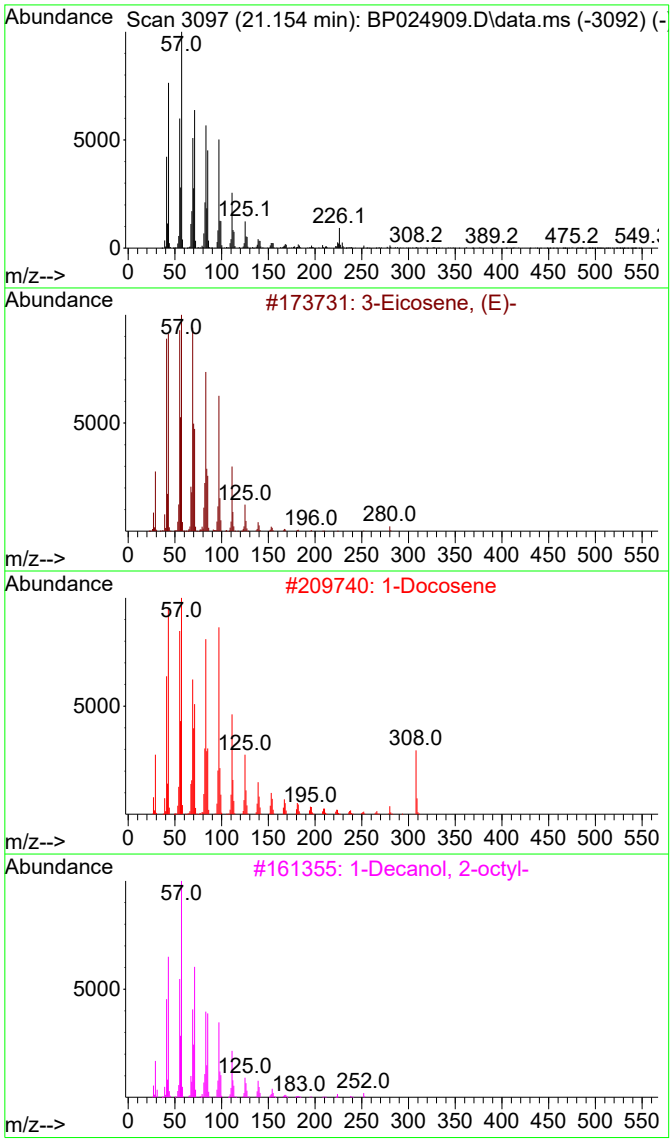
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

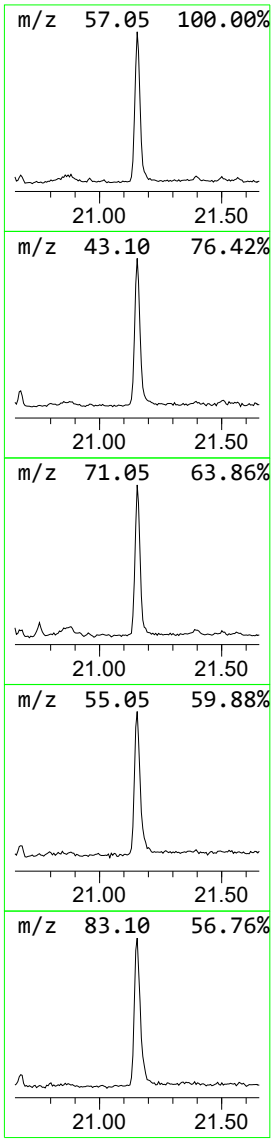
****

Peak Number 5 3-Eicosene, (E)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.154	5.26 ng	1267730	Chrysene-d12	21.483

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	95
2	1-Docosene	308	C22H44	001599-67-3	93
3	1-Decanol, 2-octyl-	270	C18H38O	045235-48-1	91
4	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	91
5	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024909.D
Acq On : 11 Jun 2025 12:59
Operator : RC/JU
Sample : Q2176-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-28

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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-...	4.772	6.0	ng	399432	1	7.613	1333730	20.0
Benzophenone	15.642	12.3	ng	1584440	3	14.254	2578870	20.0
n-Hexadecanoic ...	18.001	10.0	ng	1585450	4	17.054	3166680	20.0
Octadecanoic acid	19.331	2.6	ng	629727	5	21.483	4822930	20.0
3-Eicosene, (E)-	21.154	5.3	ng	1267730	5	21.483	4822930	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024897.D
Acq On : 10 Jun 2025 17:08
Operator : RC/JU
Sample : Q2176-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-27

Quant Time: Jun 10 17:45:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

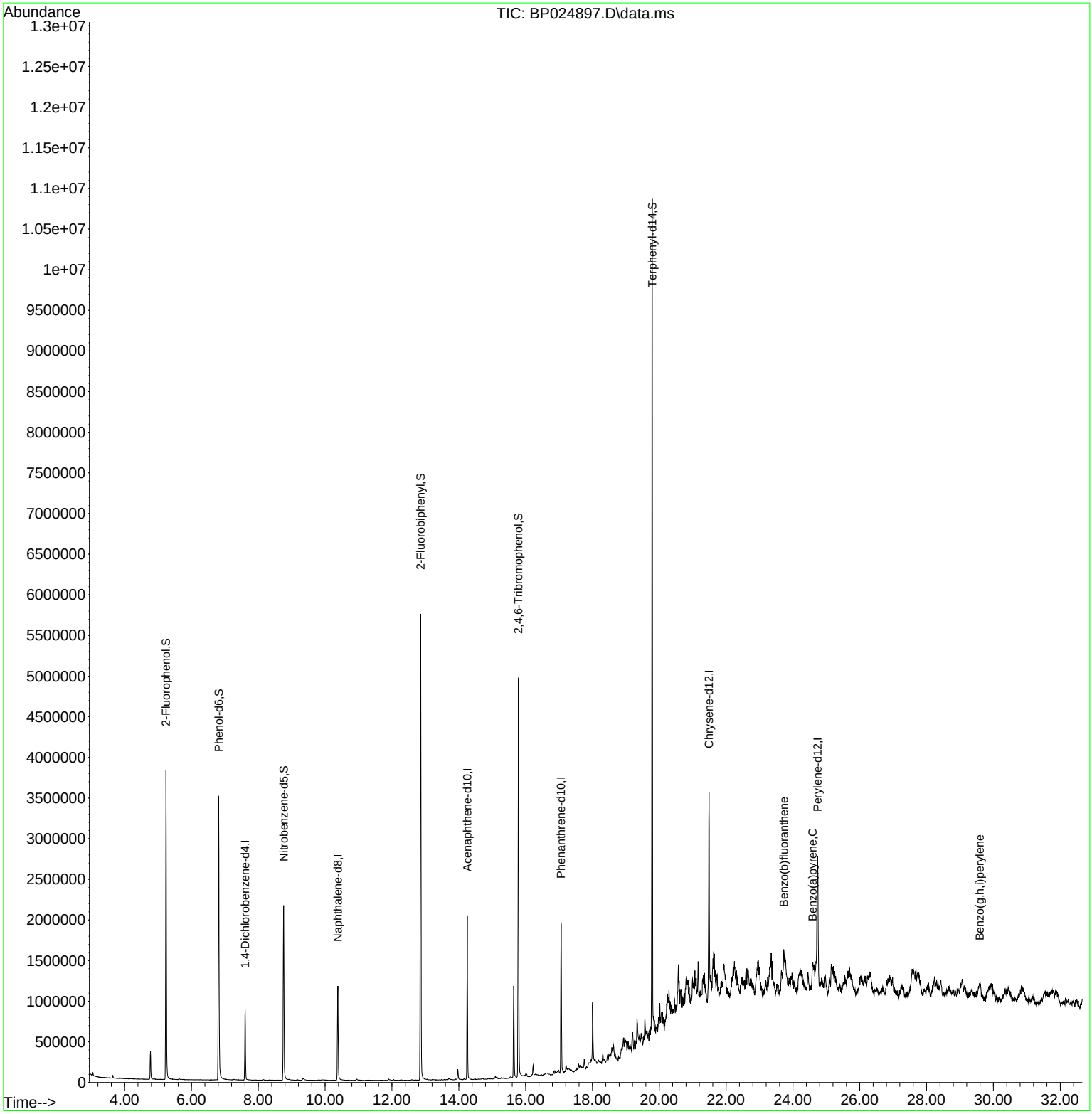
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	231122	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	960347	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	611548	20.000	ng	0.00
64) Phenanthrene-d10	17.060	188	1164370	20.000	ng	0.00
76) Chrysene-d12	21.489	240	1196927	20.000	ng	0.00
86) Perylene-d12	24.736	264	1458416	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1693696	122.321	ng	0.00
7) Phenol-d6	6.814	99	2201449	120.166	ng	0.00
23) Nitrobenzene-d5	8.761	82	1346189	68.116	ng	0.00
42) 2,4,6-Tribromophenol	15.784	330	1058190	125.156	ng	0.00
45) 2-Fluorobiphenyl	12.854	172	3247438	71.535	ng	0.00
79) Terphenyl-d14	19.789	244	4887638	73.186	ng	0.00
Target Compounds						Qvalue
88) Benzo(b)fluoranthene	23.730	252	229524	2.750	ng	# 84
90) Benzo(a)pyrene	24.589	252	200911	2.465	ng	# 90
92) Benzo(g,h,i)perylene	29.595	276	238149	2.771	ng	96

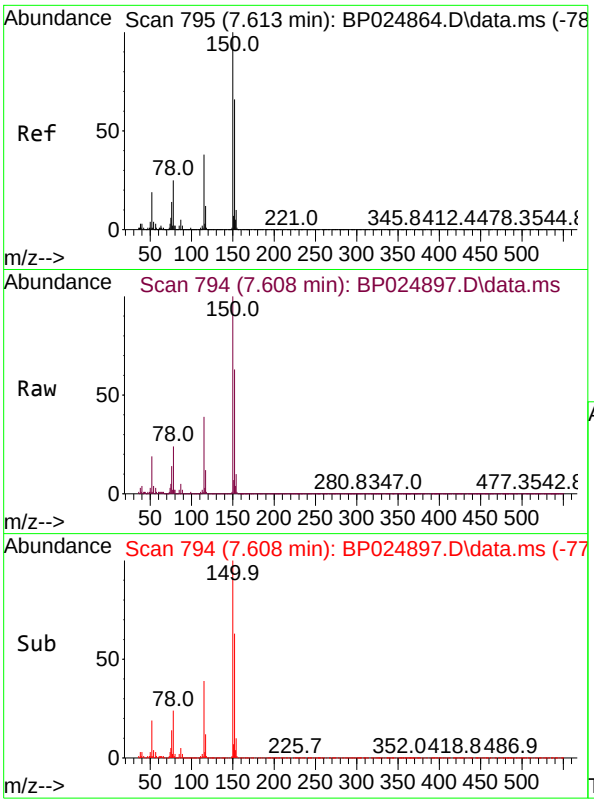
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024897.D
Acq On : 10 Jun 2025 17:08
Operator : RC/JU
Sample : Q2176-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-27

Quant Time: Jun 10 17:45:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration



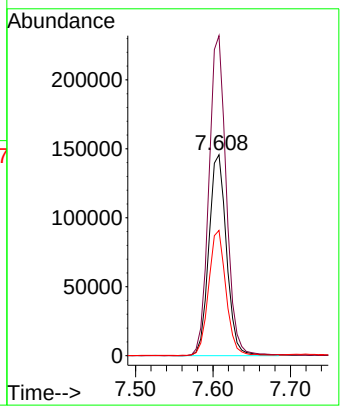


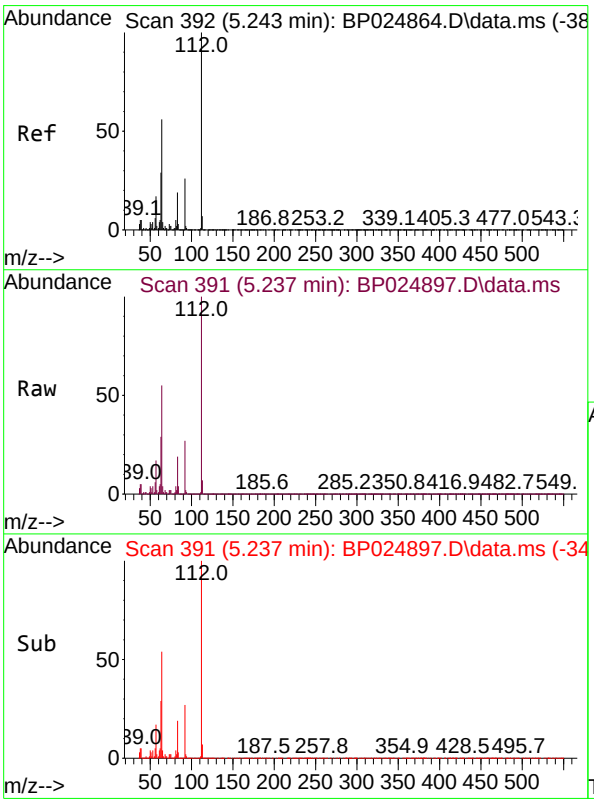
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Instrument :
BNA_P
ClientSampleId :
TP-27

Tgt Ion:152 Resp: 231122

Ion	Ratio	Lower	Upper
152	100		
150	159.2	122.1	183.1
115	62.3	46.4	69.6

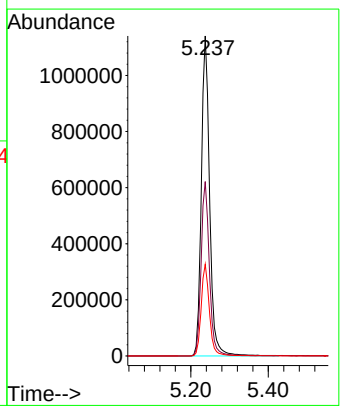


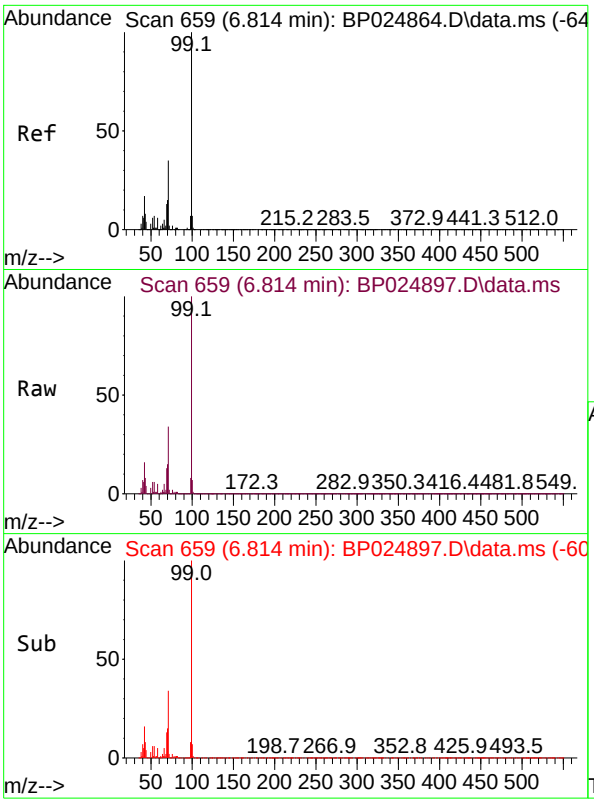


#5
2-Fluorophenol
Concen: 122.321 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Tgt Ion:112 Resp: 1693696

Ion	Ratio	Lower	Upper
112	100		
64	54.5	44.7	67.1
63	28.7	23.5	35.3



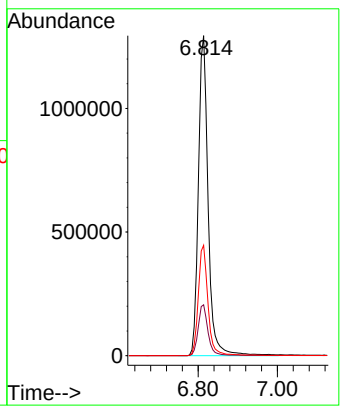


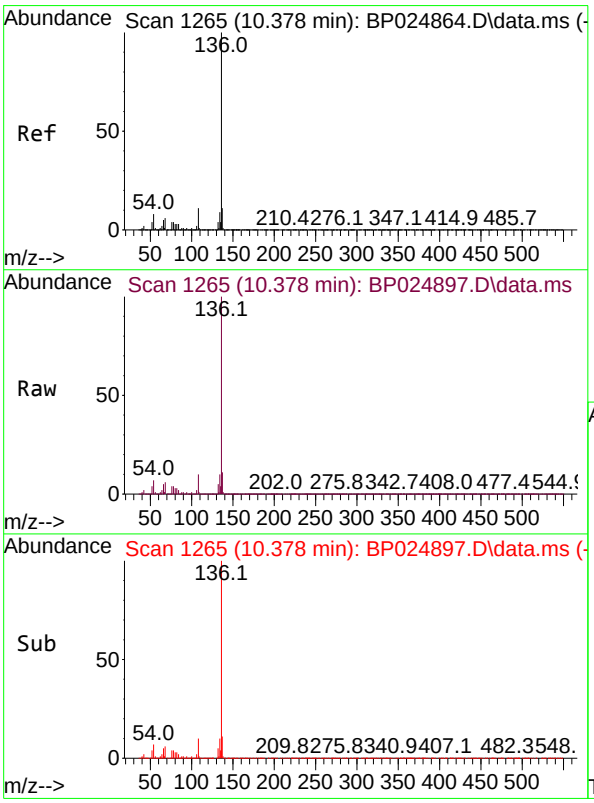
#7
Phenol-d6
Concen: 120.166 ng
RT: 6.814 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Instrument :
BNA_P
ClientSampleId :
TP-27

Tgt Ion: 99 Resp: 2201449

Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.4	20.2
71	34.5	27.6	41.4

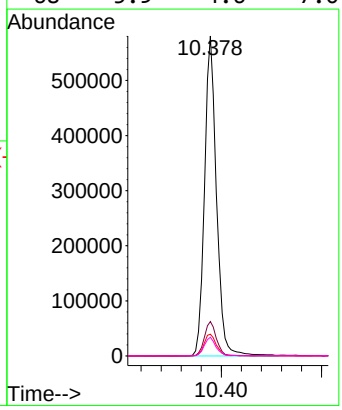


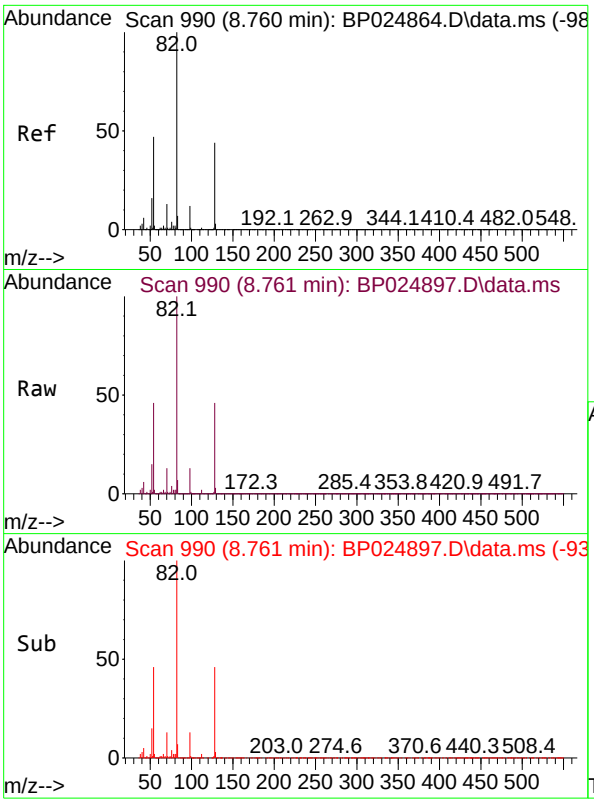


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Tgt Ion:136 Resp: 960347

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.8	6.1	9.1
68	5.9	4.6	7.0



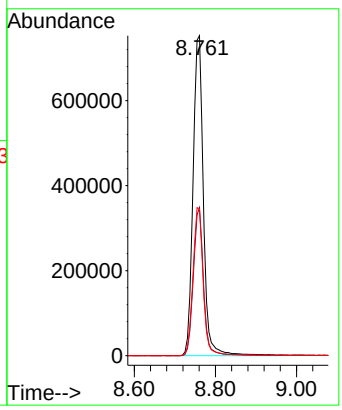


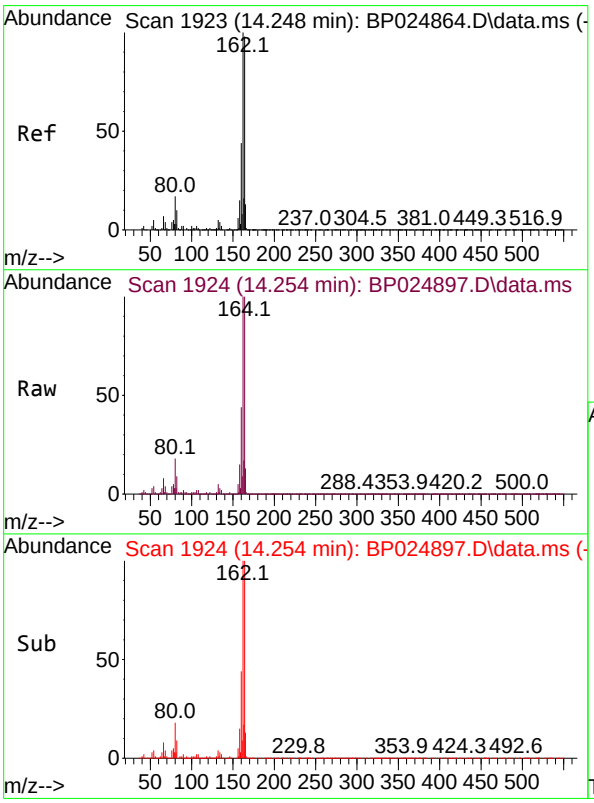
#23
Nitrobenzene-d5
Concen: 68.116 ng
RT: 8.761 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Instrument :
BNA_P
ClientSampleId :
TP-27

Tgt Ion: 82 Resp: 1346189

Ion	Ratio	Lower	Upper
82	100		
128	46.3	35.3	52.9
54	46.0	37.4	56.0

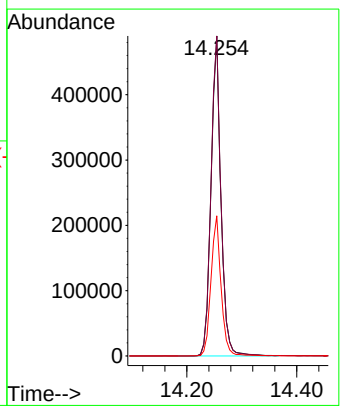


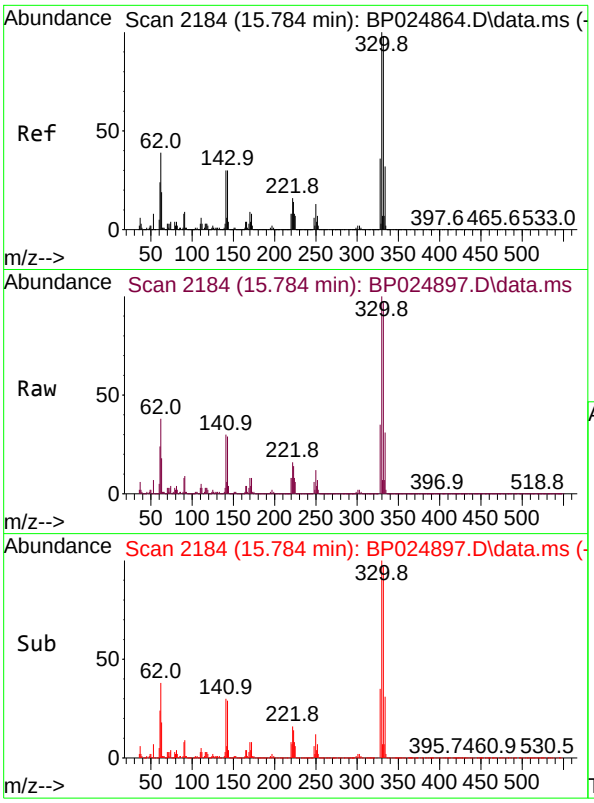


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Tgt Ion:164 Resp: 611548

Ion	Ratio	Lower	Upper
164	100		
162	100.0	81.6	122.4
160	43.8	36.2	54.2



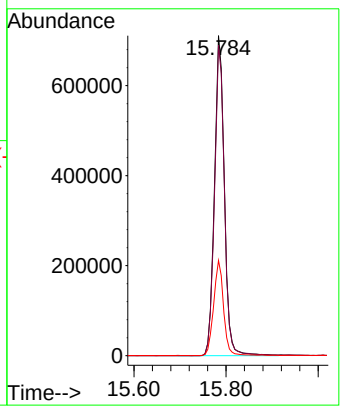


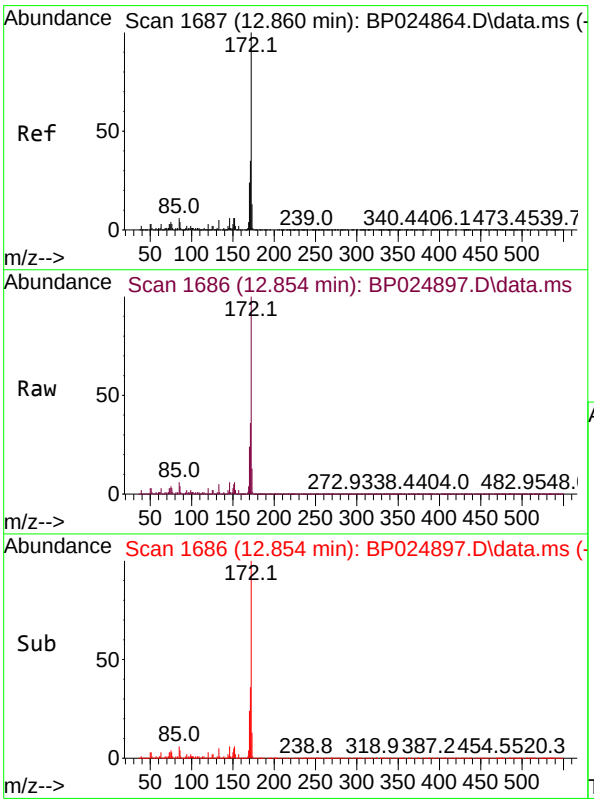
#42
2,4,6-Tribromophenol
Concen: 125.156 ng
RT: 15.784 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Instrument :
BNA_P
ClientSampleId :
TP-27

Tgt Ion:330 Resp: 1058190

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.7	116.5
141	29.9	26.4	39.6

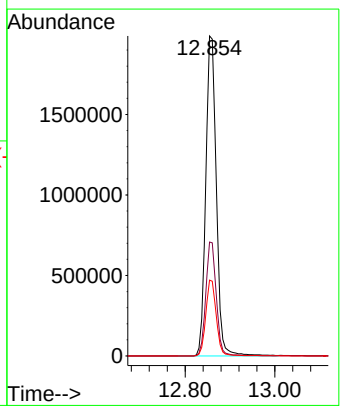


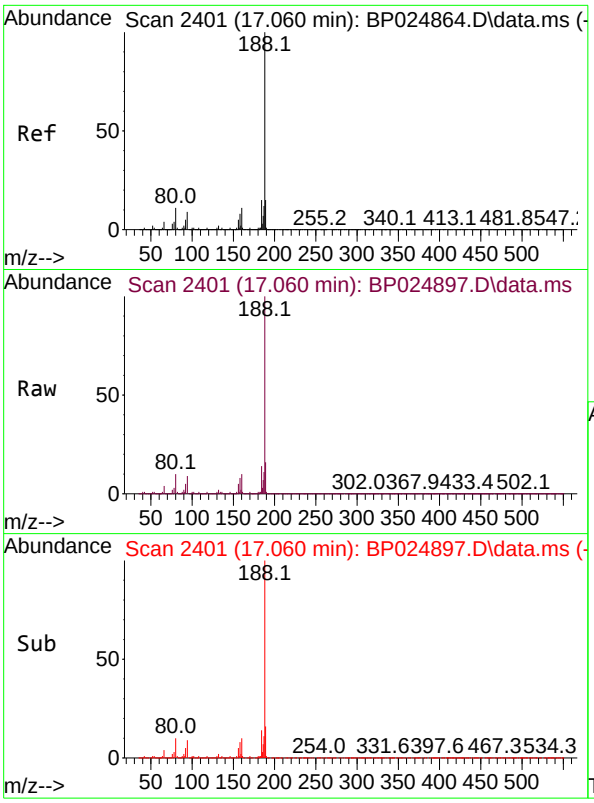


#45
2-Fluorobiphenyl
Concen: 71.535 ng
RT: 12.854 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Tgt Ion:172 Resp: 3247438

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.3	42.5
170	23.7	19.0	28.4



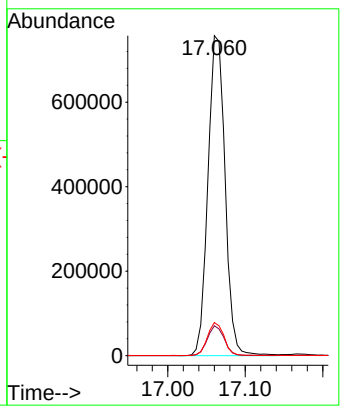


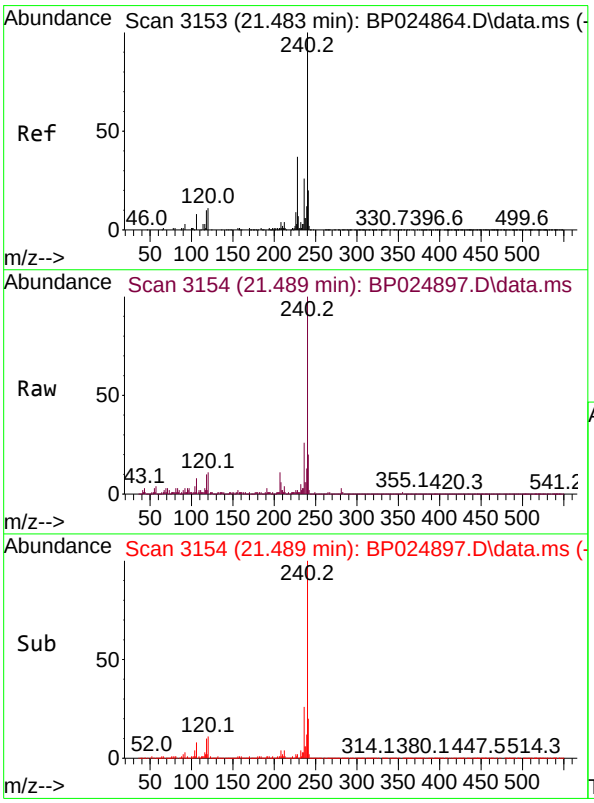
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.060 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Instrument :
BNA_P
ClientSampleId :
TP-27

Tgt Ion:188 Resp: 1164370

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.3	10.9
80	10.4	8.5	12.7

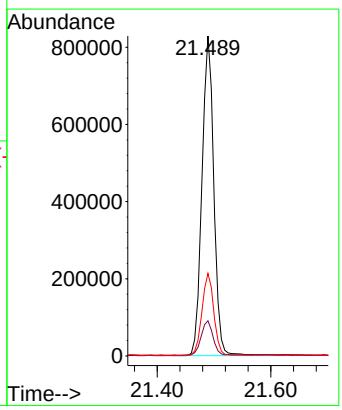


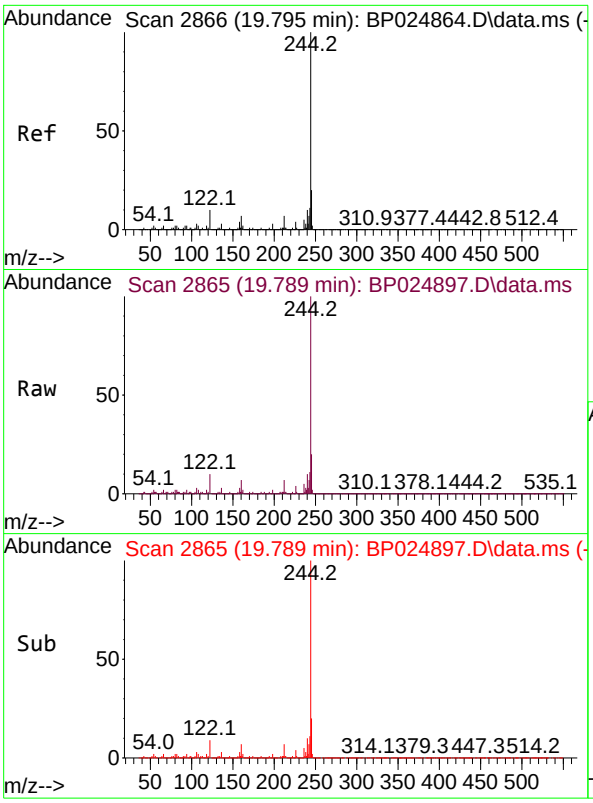


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.489 min Scan# 3154
Delta R.T. 0.006 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Tgt Ion:240 Resp: 1196927

Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.9	13.3
236	25.8	20.9	31.3



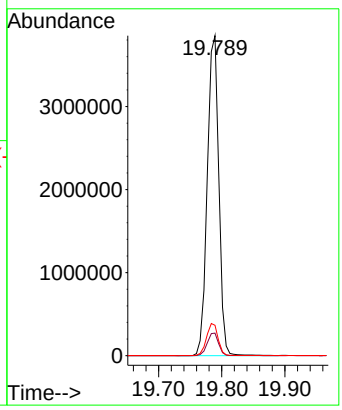


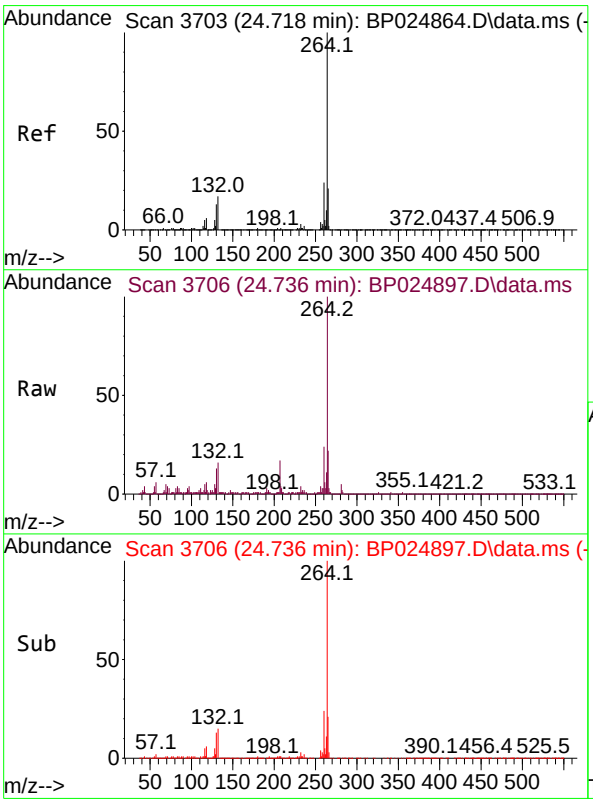
#79
Terphenyl-d14
Concen: 73.186 ng
RT: 19.789 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Instrument :
BNA_P
ClientSampleId :
TP-27

Tgt Ion:244 Resp: 4887638

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	9.5	7.7	11.5

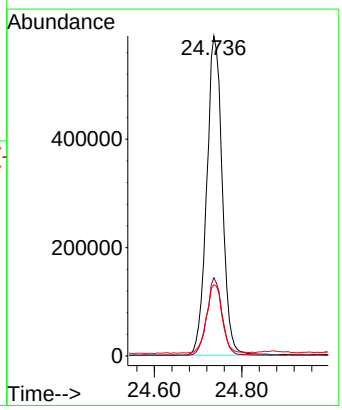


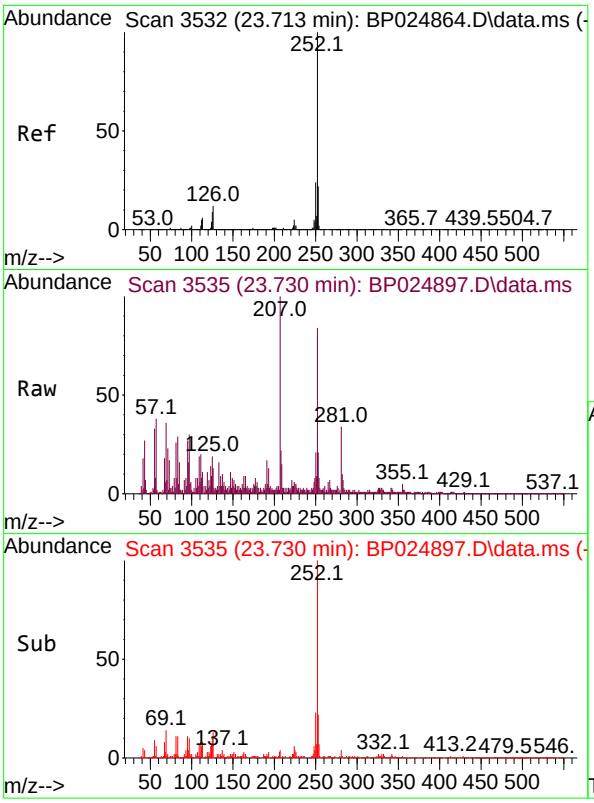


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.736 min Scan# 3706
Delta R.T. 0.018 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Tgt Ion:264 Resp: 1458416

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.0	28.4
265	22.3	17.4	26.0



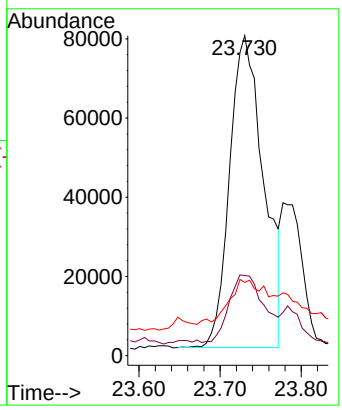


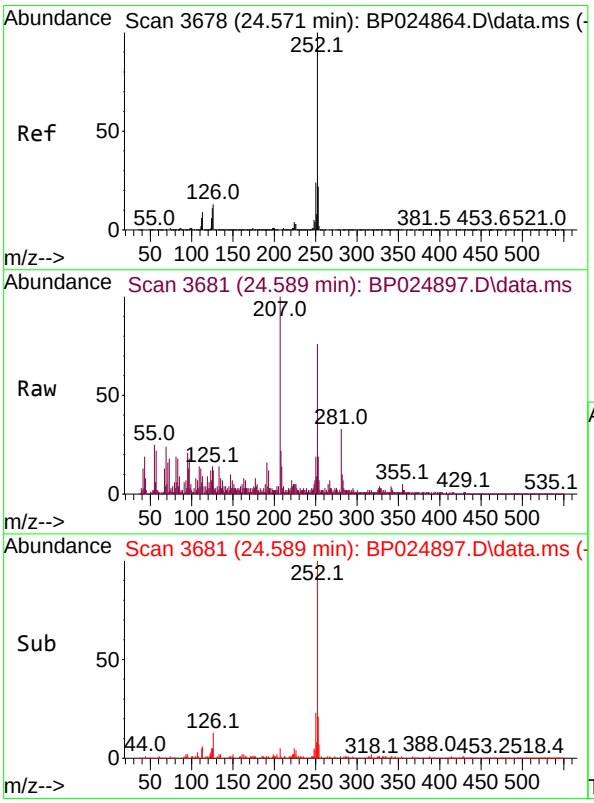
#88
Benzo(b)fluoranthene
Concen: 2.750 ng
RT: 23.730 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Instrument :
BNA_P
ClientSampleId :
TP-27

Tgt Ion:252 Resp: 229524

Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.6	26.4
125	22.9	7.1	10.7#

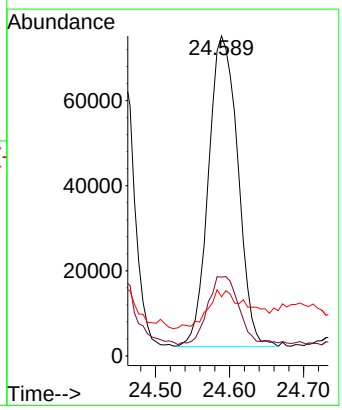


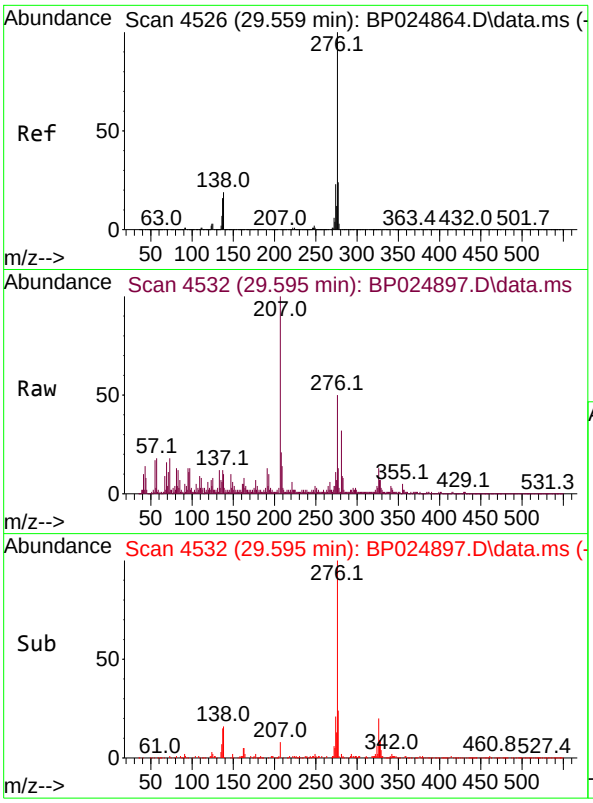


#90
Benzo(a)pyrene
Concen: 2.465 ng
RT: 24.589 min Scan# 3681
Delta R.T. 0.018 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Tgt Ion:252 Resp: 200911

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.5	26.3
125	18.5	8.8	13.2#



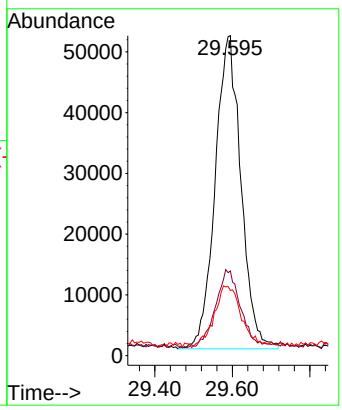


#92
Benzo(g,h,i)perylene
Concen: 2.771 ng
RT: 29.595 min Scan# 4
Delta R.T. 0.035 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Instrument :
BNA_P
ClientSampleId :
TP-27

Tgt Ion:276 Resp: 238149

Ion	Ratio	Lower	Upper
276	100		
277	26.5	19.1	28.7
138	20.4	15.4	23.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024897.D
Acq On : 10 Jun 2025 17:08
Operator : RC/JU
Sample : Q2176-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-27

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_P\Methods\8270E-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024897.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.772	306	312	324	rBV	339855	494833	3.75%	0.706%
2	5.237	385	391	413	rBV	3802669	5600343	42.41%	7.994%
3	6.814	652	659	684	rBV	3493074	6031923	45.67%	8.610%
4	7.608	787	794	803	rBV	828895	1316947	9.97%	1.880%
5	8.761	982	990	1004	rBV	2150750	3795696	28.74%	5.418%
6	10.378	1255	1265	1279	rBV	1160379	1953387	14.79%	2.788%
7	12.854	1678	1686	1704	rBV	5737617	9373776	70.98%	13.380%
8	13.972	1871	1876	1884	rBV	122006	185576	1.41%	0.265%
9	14.254	1918	1924	1943	rVB	2016960	2586562	19.59%	3.692%
10	15.643	2154	2160	2175	rBV	1123744	1725833	13.07%	2.463%
11	15.784	2177	2184	2199	rBV	4911702	7322580	55.45%	10.452%
12	16.225	2254	2259	2265	rBV	118849	169948	1.29%	0.243%
13	17.060	2395	2401	2408	rBV2	1855179	2882140	21.82%	4.114%
14	17.207	2422	2426	2431	rBV	77336	150010	1.14%	0.214%
15	17.754	2516	2519	2527	rVB3	117444	185172	1.40%	0.264%
16	18.007	2558	2562	2571	rVB	723777	990431	7.50%	1.414%
17	18.625	2665	2667	2674	rVB3	145532	240779	1.82%	0.344%
18	18.860	2702	2707	2708	rBV4	105886	153168	1.16%	0.219%
19	19.195	2759	2764	2771	rBV	229504	527077	3.99%	0.752%
20	19.331	2784	2787	2798	rBV3	312154	726916	5.50%	1.038%
21	19.572	2824	2828	2832	rBV	250847	413738	3.13%	0.591%
22	19.707	2848	2851	2852	rBV3	134717	156484	1.18%	0.223%
23	19.789	2859	2865	2871	rBV	10206622	13206519	100.00%	18.850%
24	20.013	2901	2903	2905	rBV	256982	215703	1.63%	0.308%
25	20.201	2926	2935	2936	rBV7	188386	447682	3.39%	0.639%
26	20.219	2936	2938	2940	rBV2	155805	173504	1.31%	0.248%
27	20.572	2995	2998	3001	rBV	331068	371273	2.81%	0.530%
28	21.160	3096	3098	3102	rVB2	422256	538882	4.08%	0.769%
29	21.354	3129	3131	3135	rVB3	235140	206597	1.56%	0.295%
30	21.489	3149	3154	3160	rBV	2401029	3611050	27.34%	5.154%
31	23.383	3474	3476	3481	rVB2	290712	347750	2.63%	0.496%
32	24.736	3700	3706	3715	rVB	1597550	3957050	29.96%	5.648%

Sum of corrected areas: 70059329

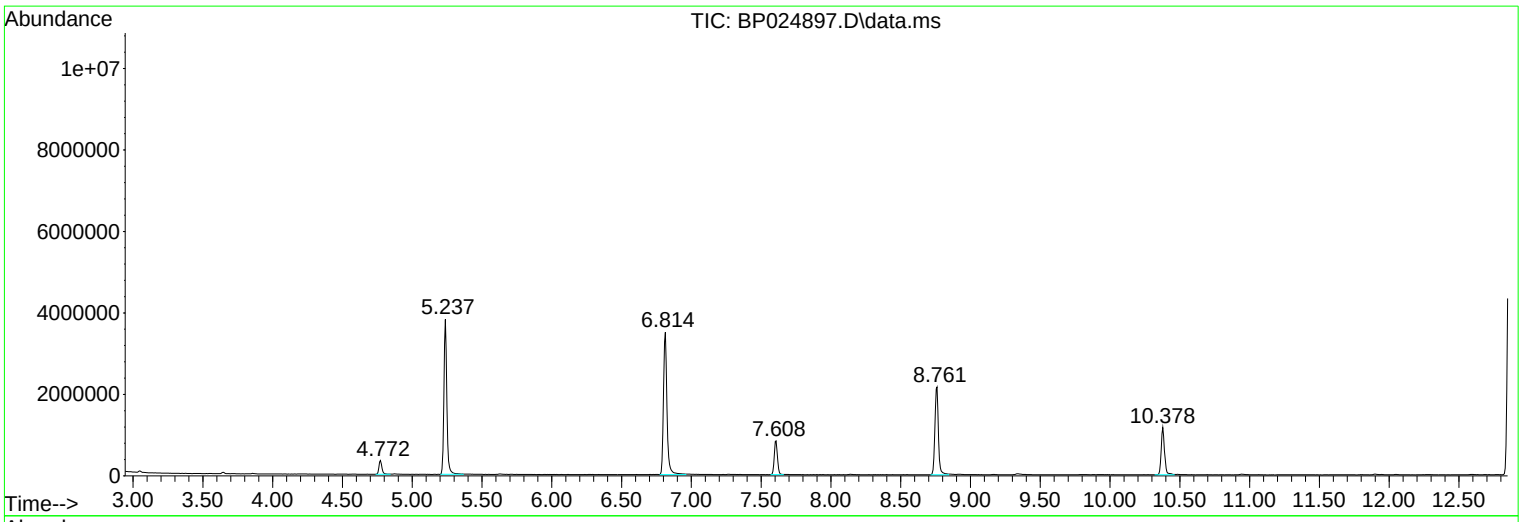
Sample Results: **BP024897.D**

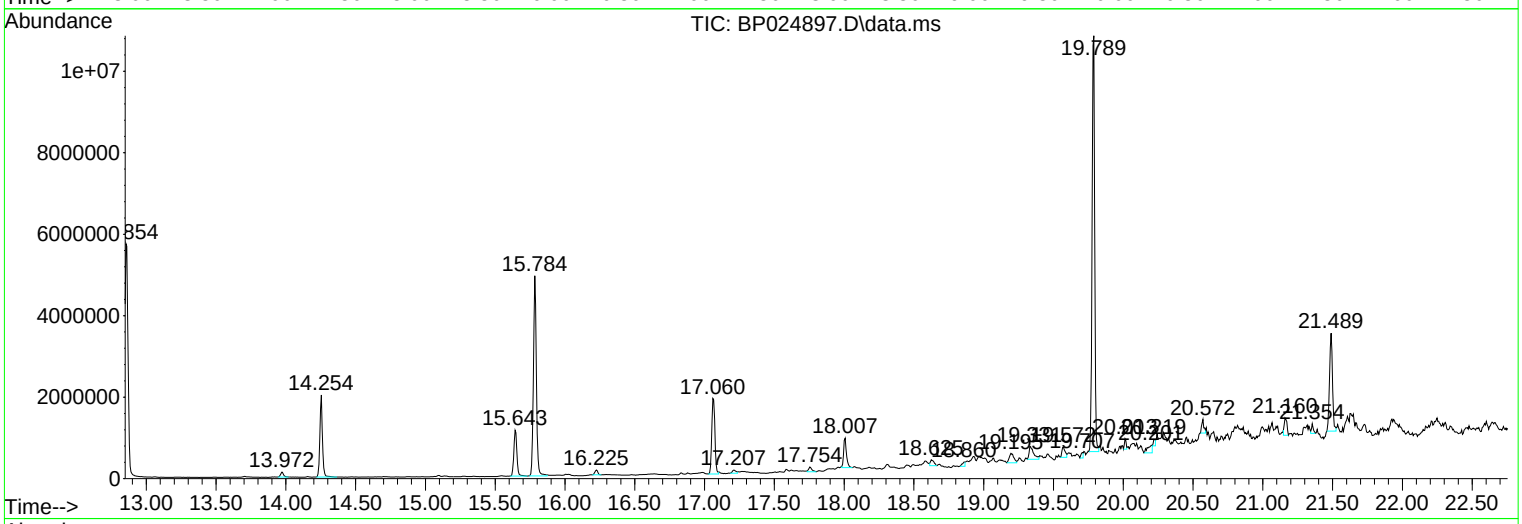
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024897.D
Acq On : 10 Jun 2025 17:08
Operator : RC/JU
Sample : Q2176-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

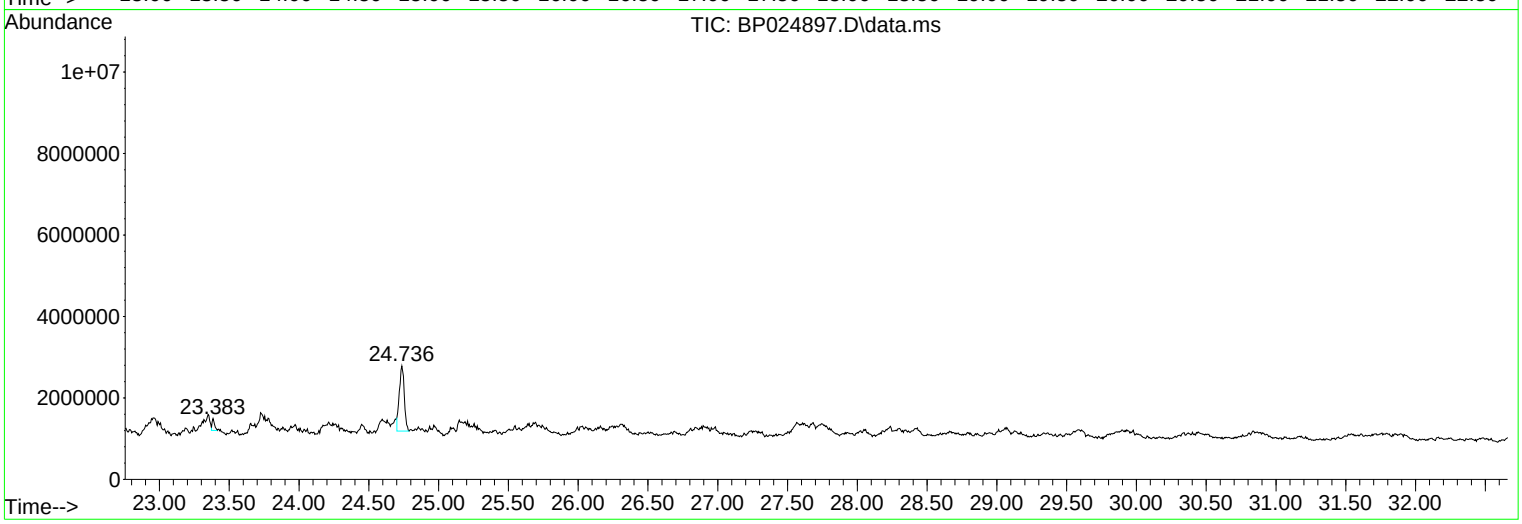
Instrument :
BNA_P
ClientSampleId :
TP-27

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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_P\Data\BP061025\
Data File : BP024897.D
Acq On : 10 Jun 2025 17:08
Operator : RC/JU
Sample : Q2176-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-27

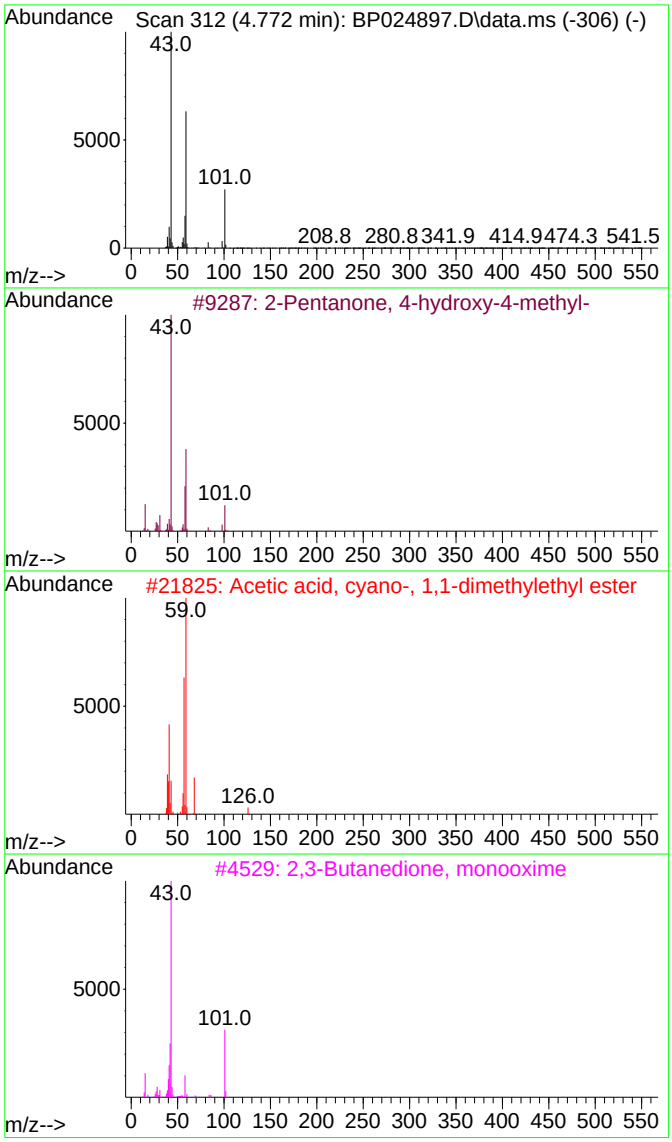
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

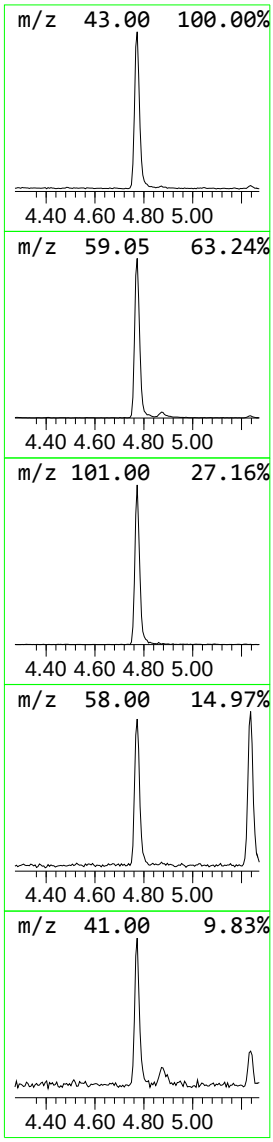
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.772	7.51 ng	494833	1,4-Dichlorobenzene-d4	7.608

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024897.D
Acq On : 10 Jun 2025 17:08
Operator : RC/JU
Sample : Q2176-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-27

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

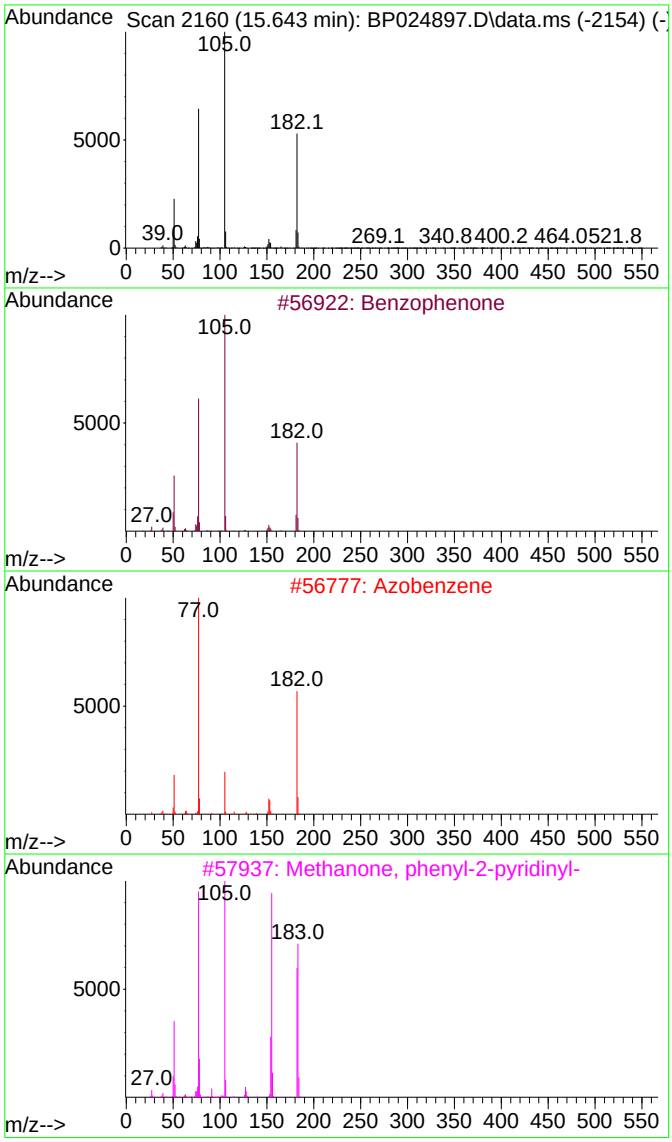
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

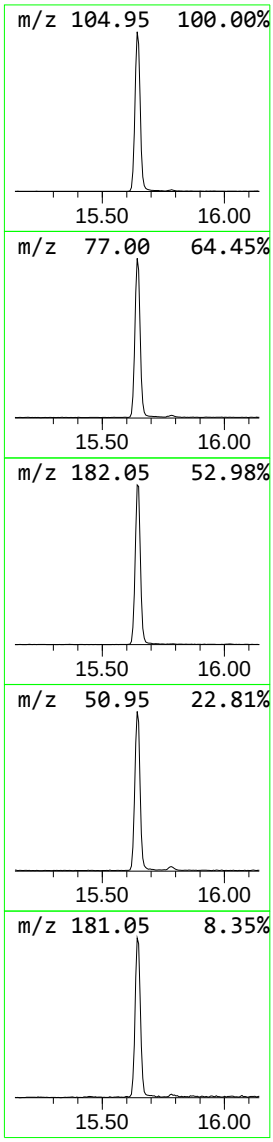
****

Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.643	13.34 ng	1725830	Acenaphthene-d10	14.254

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Azobenzene	182	C12H10N2	000103-33-3	53
3	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	50
4	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	45
5	1,1-Diphenyl-2-phenylthiobut-3-e...	332	C22H20OS	097370-20-2	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024897.D
Acq On : 10 Jun 2025 17:08
Operator : RC/JU
Sample : Q2176-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-27

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

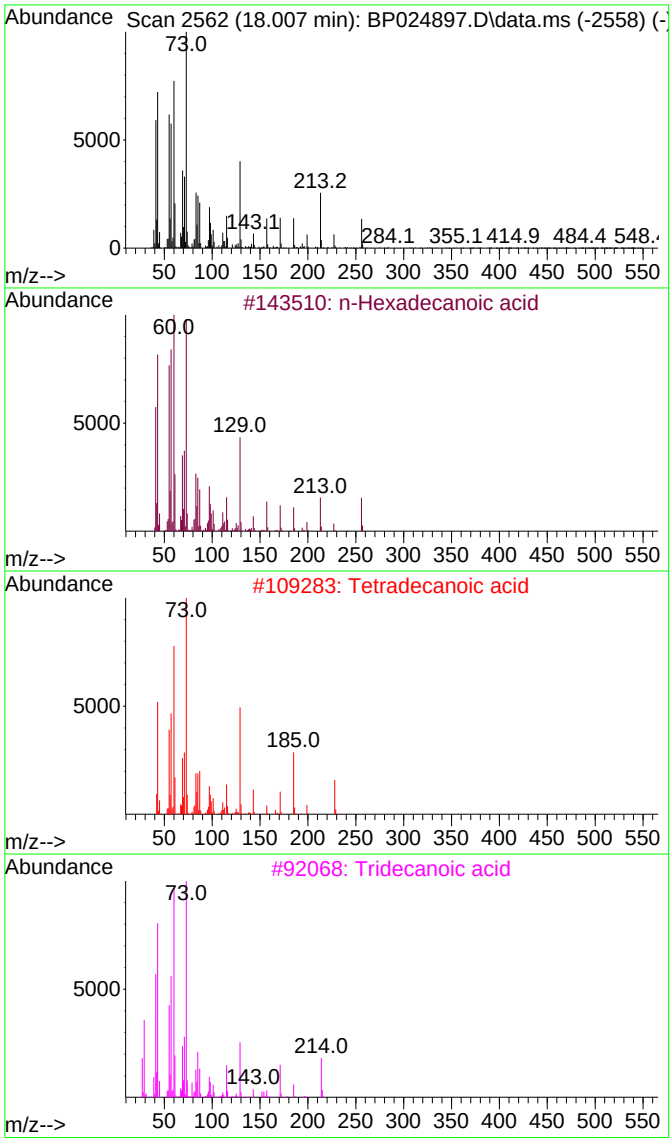
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

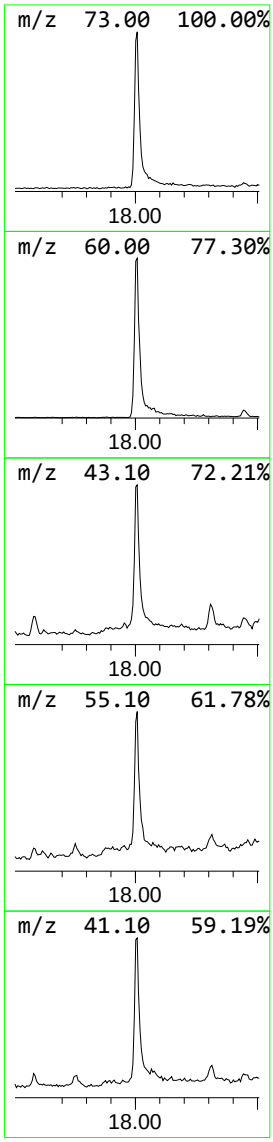
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.007	6.87 ng	990431	Phenanthrene-d10	17.060

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
3	Tridecanoic acid	214	C13H26O2	000638-53-9	89
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
5	n-Decanoic acid	172	C10H20O2	000334-48-5	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024897.D
Acq On : 10 Jun 2025 17:08
Operator : RC/JU
Sample : Q2176-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-27

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

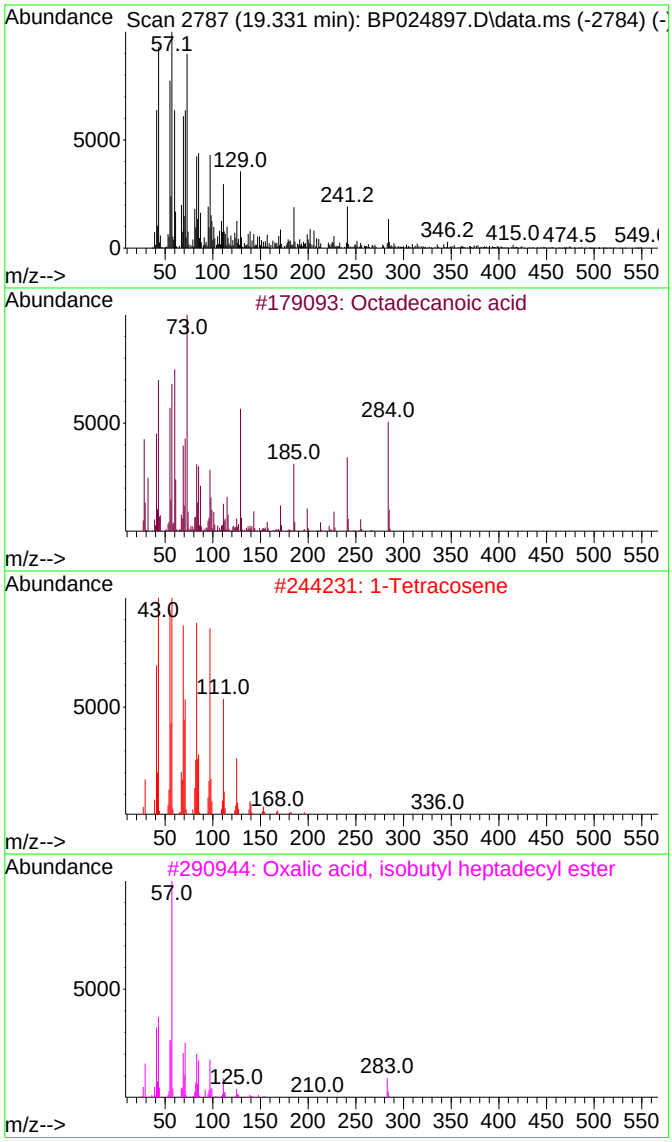
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

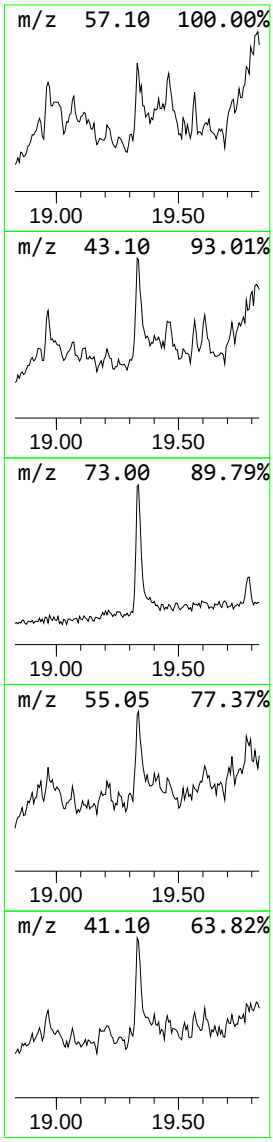
****

Peak Number 5 Octadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.331	4.03 ng	726916	Chrysene-d12	21.489

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	95
2	1-Tetracosene	336	C24H48	010192-32-2	53
3	Oxalic acid, isobutyl heptadecyl...	384	C23H44O4	1000309-38-2	49
4	Dotriacontyl heptafluorobutyrate	662	C36H65F7O2	1000351-84-2	45
5	Octacosyl heptafluorobutyrate	606	C32H57F7O2	1010351-83-6	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024897.D
Acq On : 10 Jun 2025 17:08
Operator : RC/JU
Sample : Q2176-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-27

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

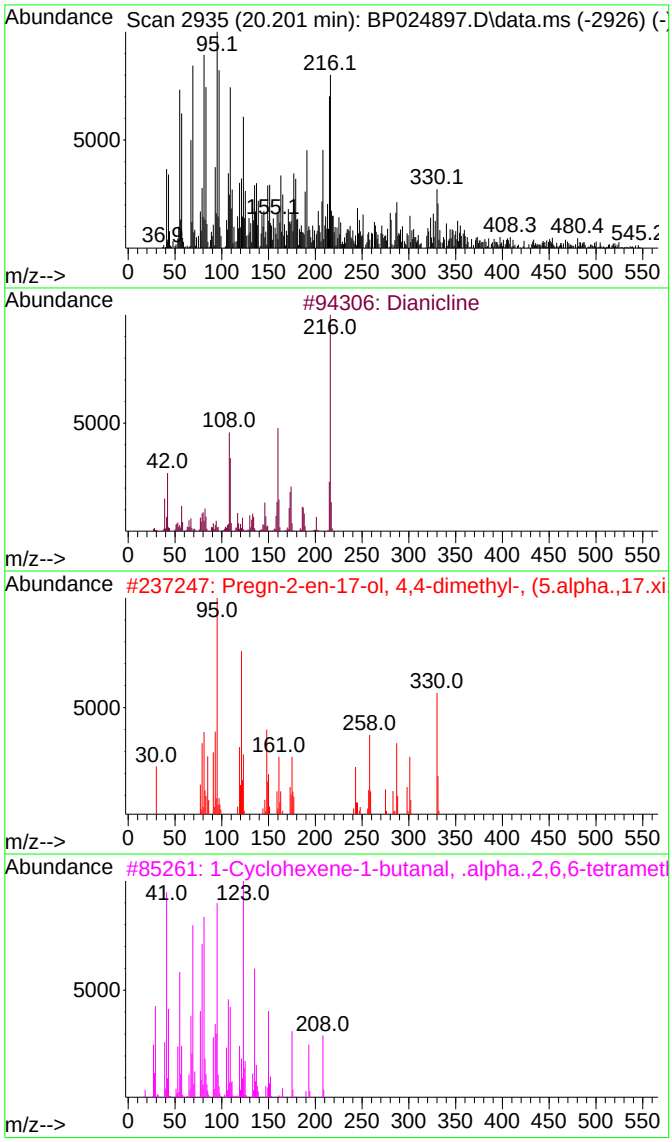
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

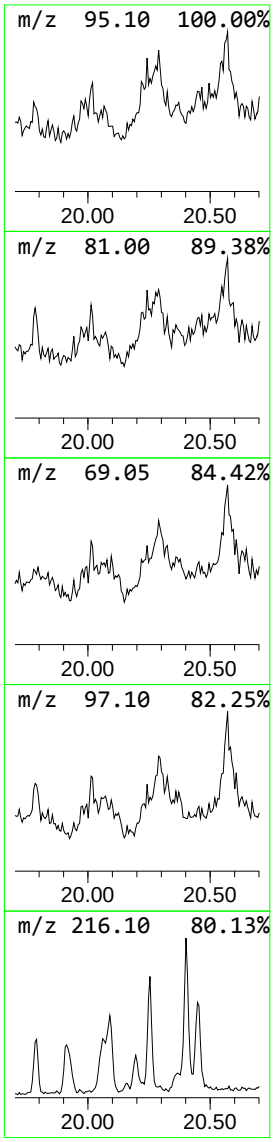
****

Peak Number 7 unknown20.201 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.201	2.48 ng	447682	Chrysene-d12	21.489

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dianicline	216	C13H16N2O	292634-27-6	42
2	Pregn-2-en-17-ol, 4,4-dimethyl-,...	330	C23H38O	053286-40-1	41
3	1-Cyclohexene-1-butanal, .alpha....	208	C14H24O	021632-06-4	38
4	Fenpropathrin	349	C22H23NO3	039515-41-8	25
5	4-Chloro-2,3,5,6-tetrafluorothio...	216	C6HClF4S	013634-93-0	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024897.D
Acq On : 10 Jun 2025 17:08
Operator : RC/JU
Sample : Q2176-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-27

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

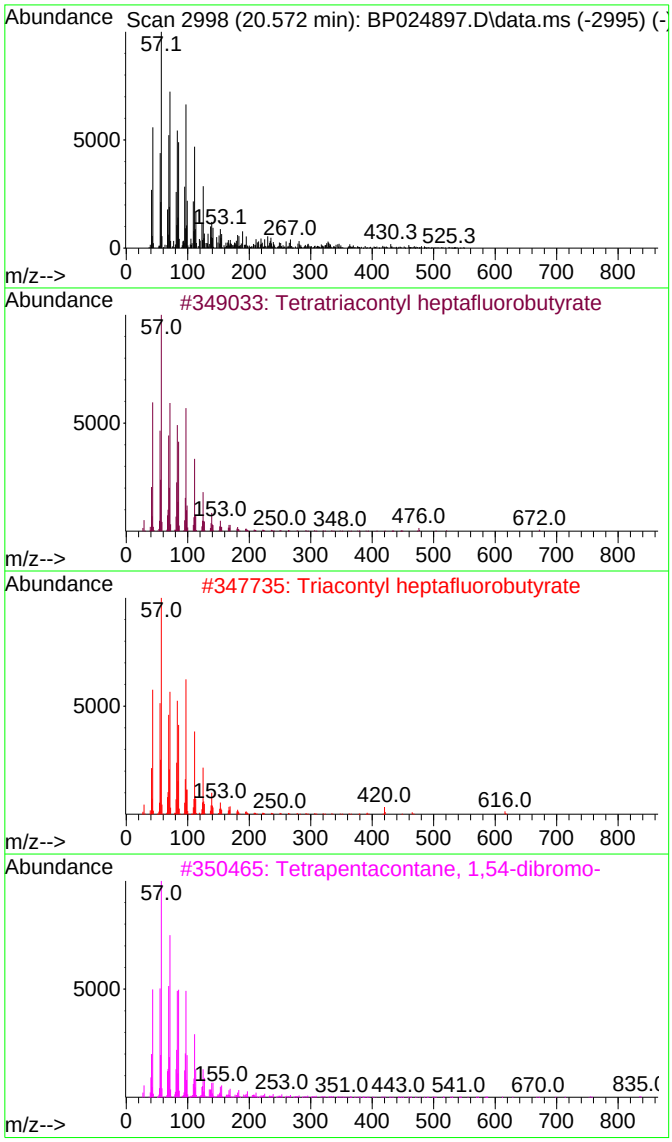
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

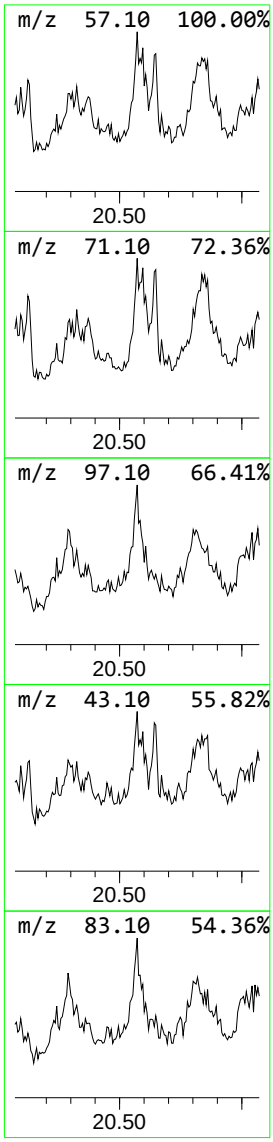
****

Peak Number 8 Tetratriacontyl heptafluoro... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.572	2.06 ng	371273	Chrysene-d12	21.489

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratriacontyl heptafluorobutyrate	691	C38H69F7O2	1000351-84-1	81
2	Triacontyl heptafluorobutyrate	634	C34H61F7O2	1000351-83-2	81
3	Tetrapentacontane, 1,54-dibromo-	915	C54H108Br2	1000156-09-4	76
4	Dotriacontyl pentafluoropropionate	612	C35H65F5O2	1010351-81-4	76
5	Tetratriacontyl trifluoroacetate	591	C36H69F3O2	1000351-75-3	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024897.D
Acq On : 10 Jun 2025 17:08
Operator : RC/JU
Sample : Q2176-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-27

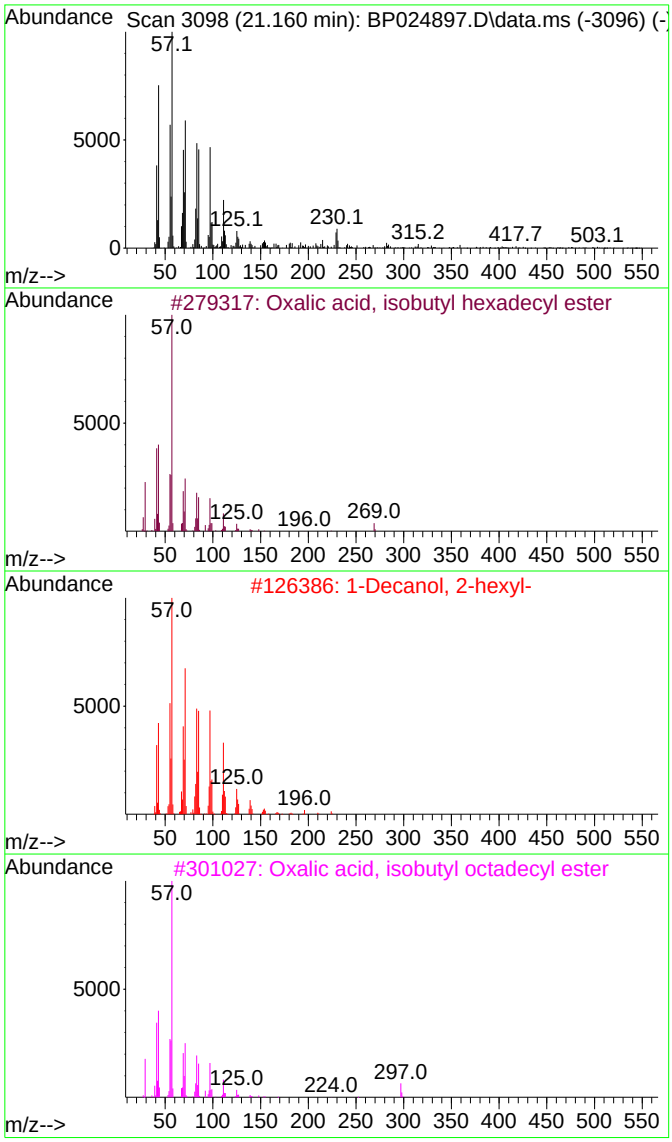
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

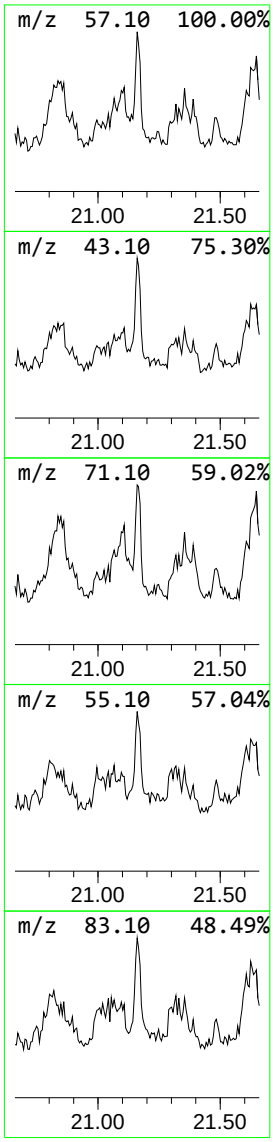
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Oxalic acid, isobutyl hexad... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.160	2.98 ng	538882	Chrysene-d12	21.489

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	91
2	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	91
3	Oxalic acid, isobutyl octadecyl ...	398	C24H46O4	1000309-38-3	91
4	Nonadecane	268	C19H40	000629-92-5	89
5	Tetracosyl heptafluorobutyrate	550	C28H49F7O2	1000351-83-7	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024897.D
Acq On : 10 Jun 2025 17:08
Operator : RC/JU
Sample : Q2176-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-27

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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-...	4.772	7.5	ng	494833	1	7.608	1316950	20.0
Benzophenone	15.643	13.3	ng	1725830	3	14.254	2586560	20.0
n-Hexadecanoic ...	18.007	6.9	ng	990431	4	17.060	2882140	20.0
Octadecanoic acid	19.331	4.0	ng	726916	5	21.489	3611050	20.0
unknown20.201	20.201	2.5	ng	447682	5	21.489	3611050	20.0
Tetratriacontyl...	20.572	2.1	ng	371273	5	21.489	3611050	20.0
Oxalic acid, is...	21.160	3.0	ng	538882	5	21.489	3611050	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142650.D
Acq On : 06 Jun 2025 17:01
Operator : RC/JU
Sample : Q2176-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-31

Quant Time: Jun 06 19:00:25 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

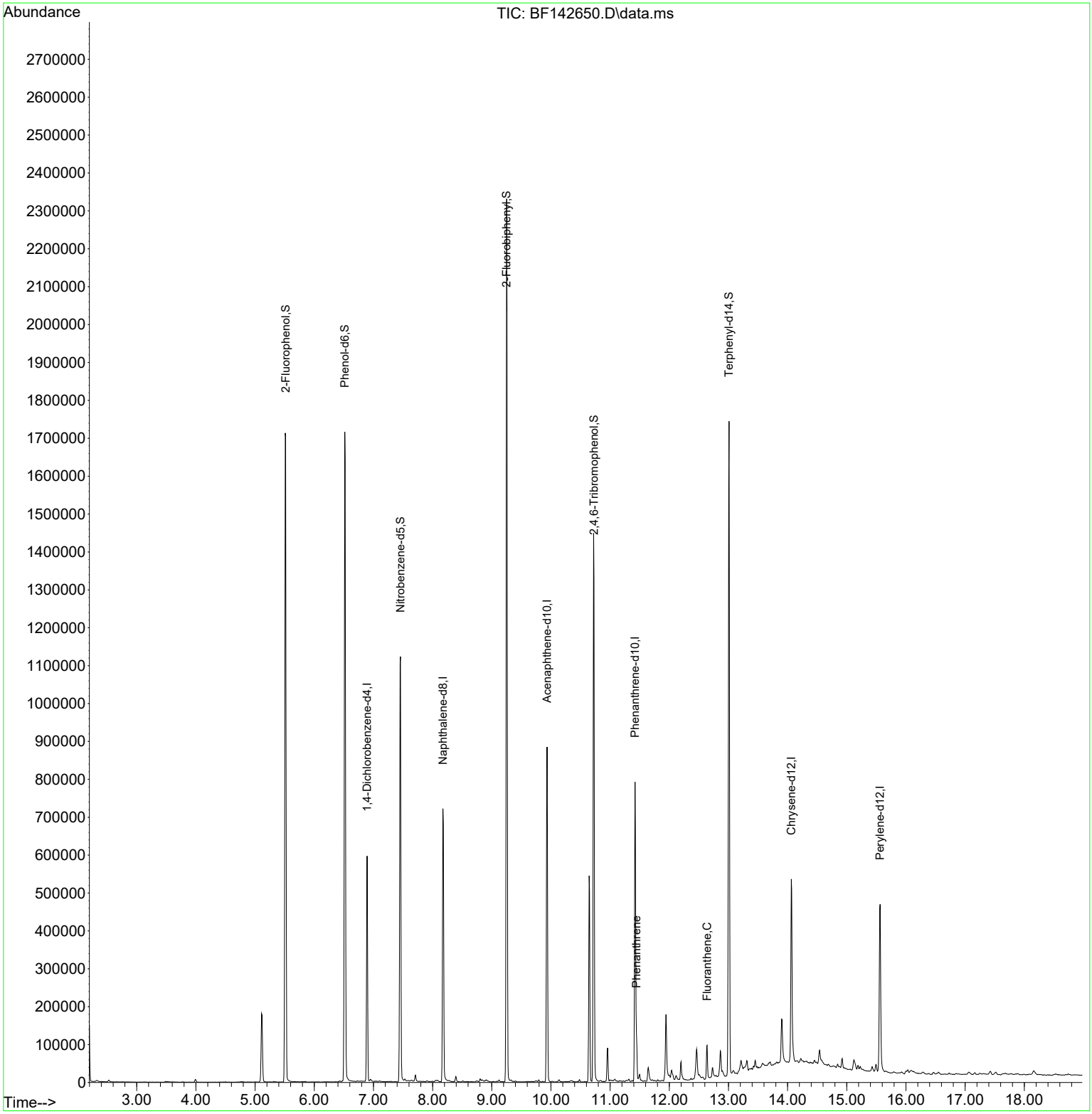
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	128783	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	488985	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	263890	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	414083	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	237224	20.000	ng	#-0.01
86) Perylene-d12	15.563	264	279177	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	695562	90.994	ng	0.00
7) Phenol-d6	6.516	99	857099	93.147	ng	-0.02
23) Nitrobenzene-d5	7.457	82	509358	56.801	ng	-0.02
42) 2,4,6-Tribromophenol	10.728	330	268450	91.657	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	1053450	53.567	ng	-0.02
79) Terphenyl-d14	13.010	244	853397	49.160	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	57425	2.595	ng	100
75) Fluoranthene	12.639	202	52531	2.540	ng	96

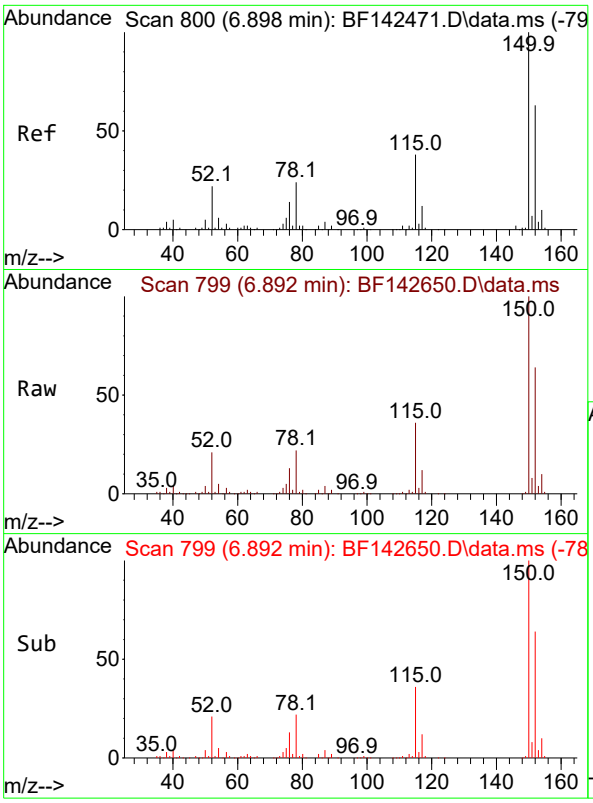
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142650.D
Acq On : 06 Jun 2025 17:01
Operator : RC/JU
Sample : Q2176-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-31

Quant Time: Jun 06 19:00:25 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



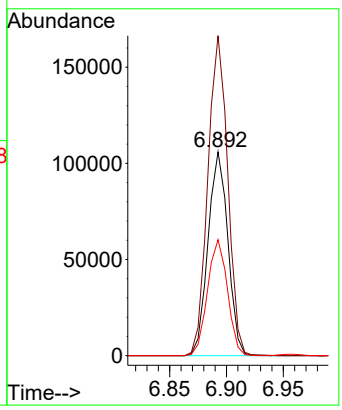


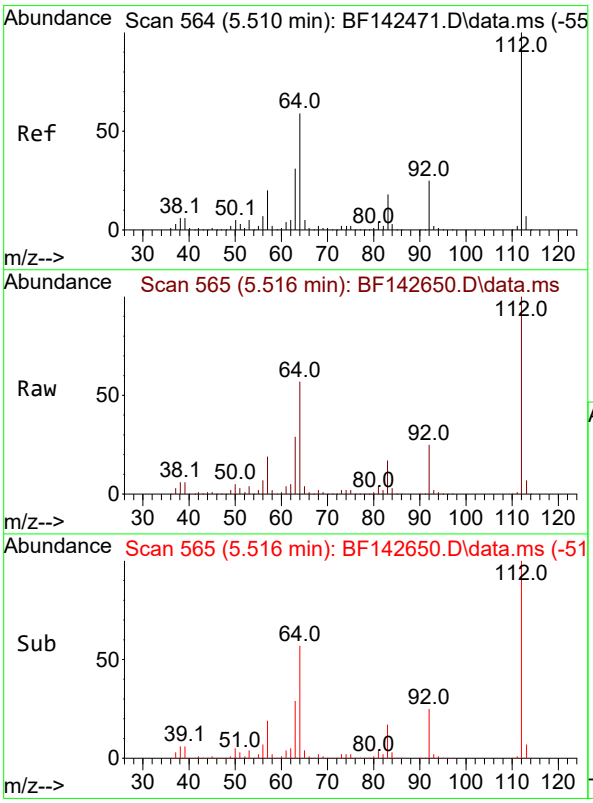
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Instrument :
BNA_F
ClientSampleId :
TP-31

Tgt Ion:152 Resp: 128783

Ion	Ratio	Lower	Upper
152	100		
150	156.9	128.2	192.4
115	56.9	48.3	72.5

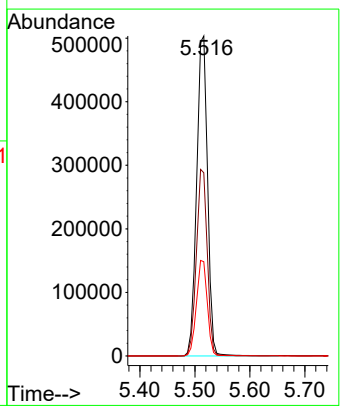


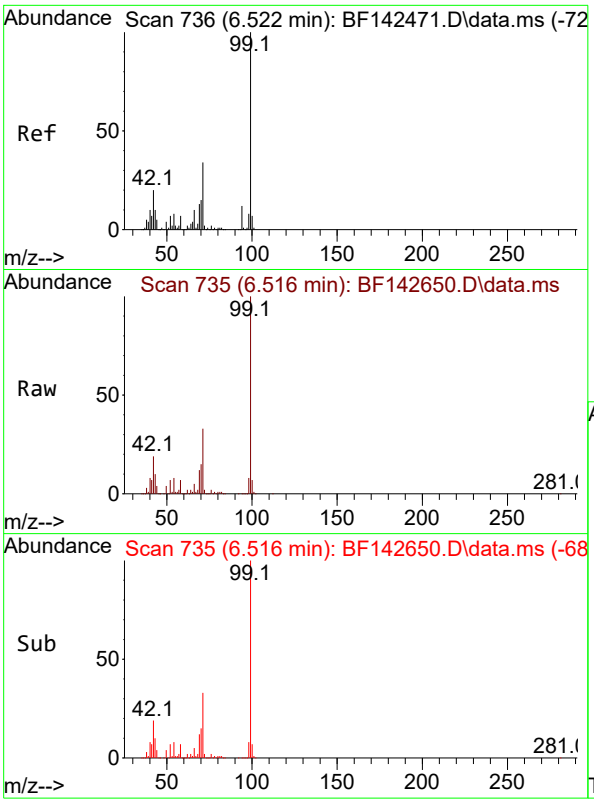


#5
2-Fluorophenol
Concen: 90.994 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.000 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Tgt Ion:112 Resp: 695562

Ion	Ratio	Lower	Upper
112	100		
64	57.3	47.5	71.3
63	29.4	24.9	37.3



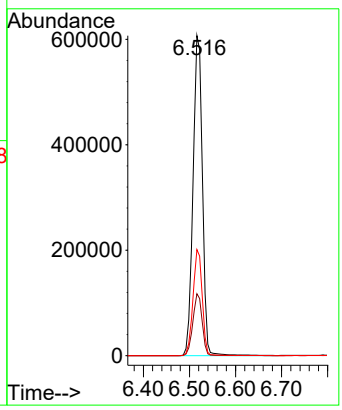


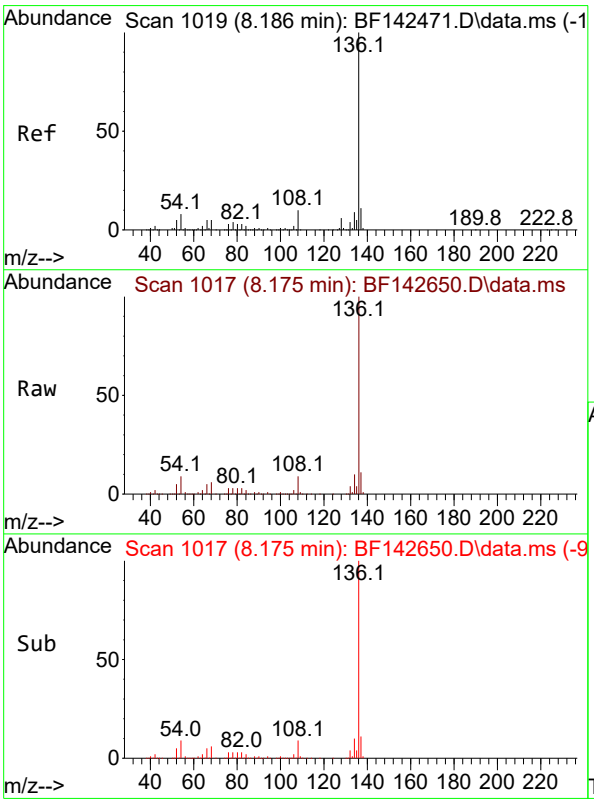
#7
Phenol-d6
Concen: 93.147 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Instrument :
BNA_F
ClientSampleId :
TP-31

Tgt Ion: 99 Resp: 857099

Ion	Ratio	Lower	Upper
99	100		
42	19.4	16.2	24.2
71	33.2	27.3	40.9

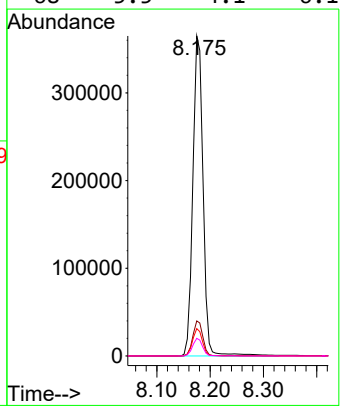


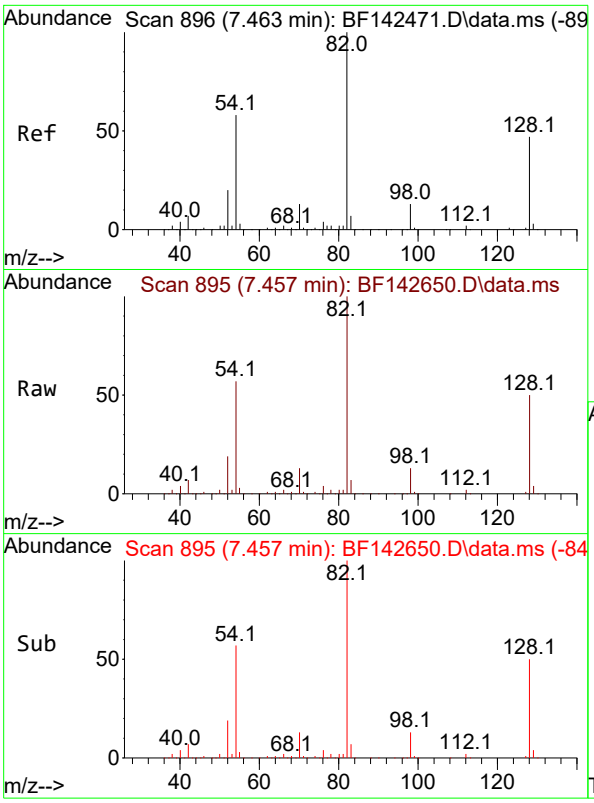


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Tgt Ion:136 Resp: 488985

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.6	6.6	10.0
68	5.5	4.1	6.1



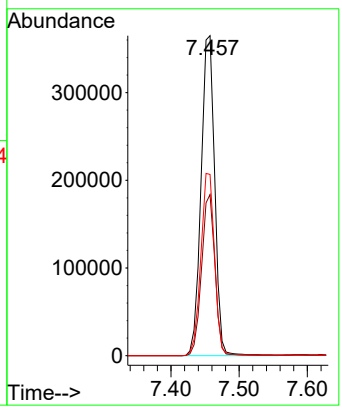


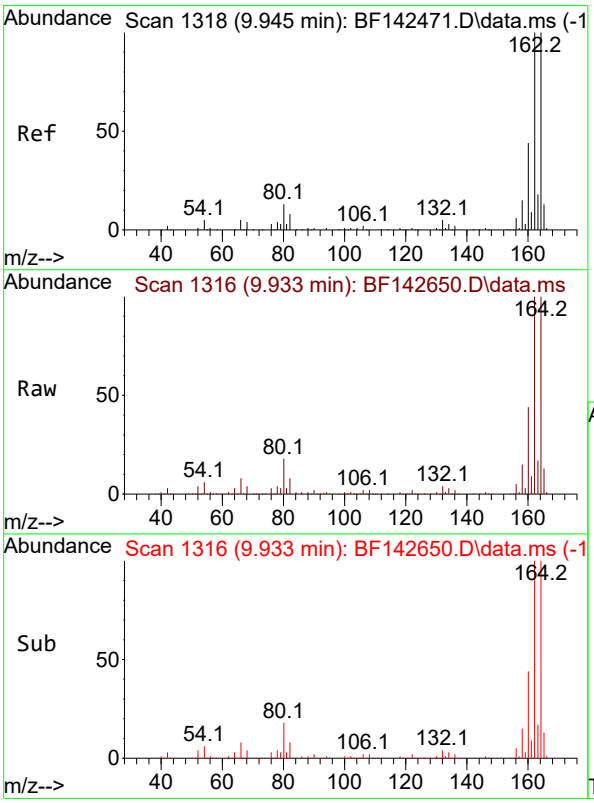
#23
Nitrobenzene-d5
Concen: 56.801 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Instrument :
BNA_F
ClientSampleId :
TP-31

Tgt Ion: 82 Resp: 509358

Ion	Ratio	Lower	Upper
82	100		
128	50.3	37.4	56.2
54	56.6	46.6	70.0

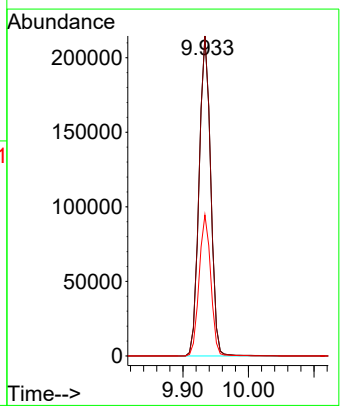


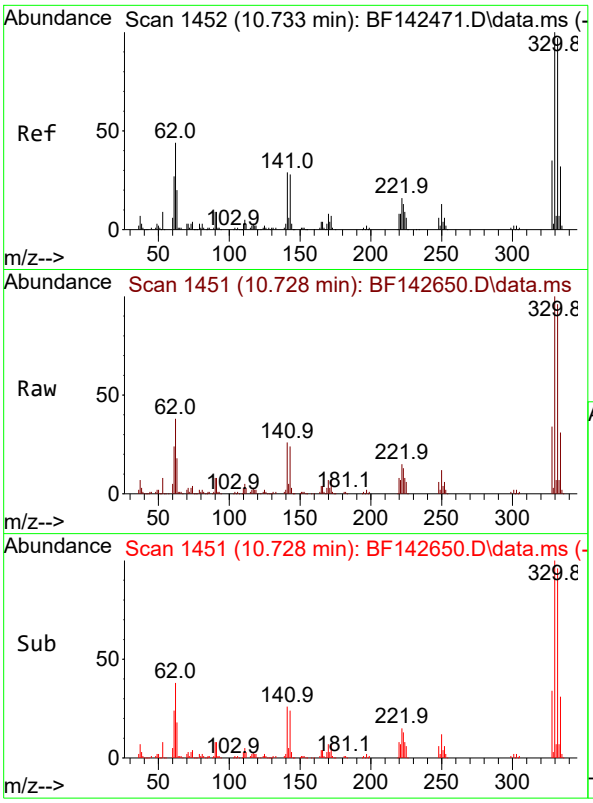


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Tgt Ion:164 Resp: 263890

Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.2	120.4
160	44.1	35.6	53.4



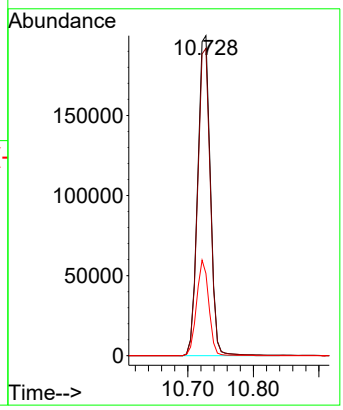


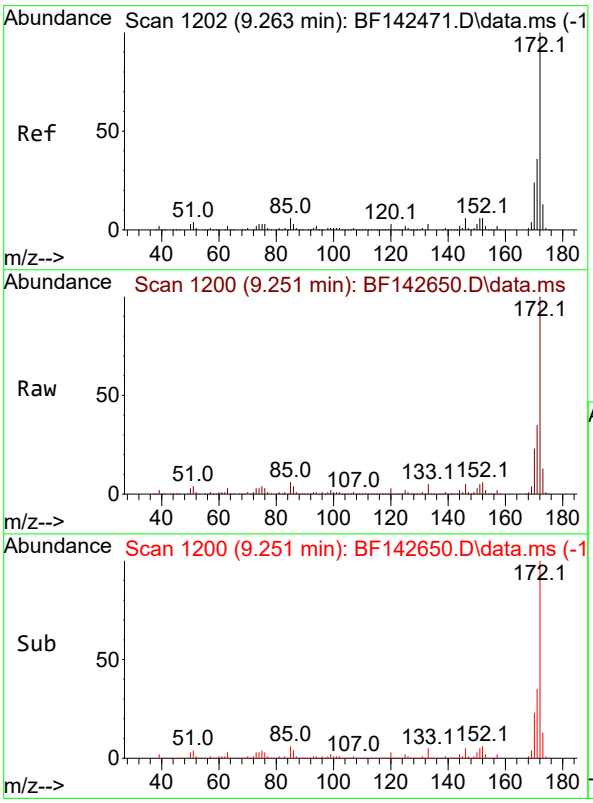
#42
2,4,6-Tribromophenol
Concen: 91.657 ng
RT: 10.728 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Instrument :
BNA_F
ClientSampleId :
TP-31

Tgt Ion:330 Resp: 268450

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.6	116.4
141	28.8	24.6	36.8

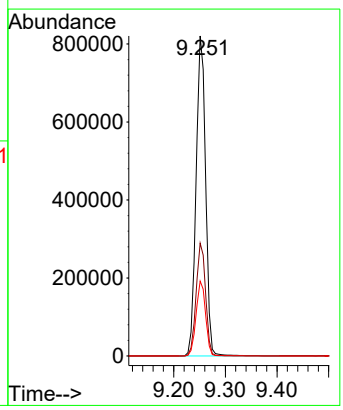


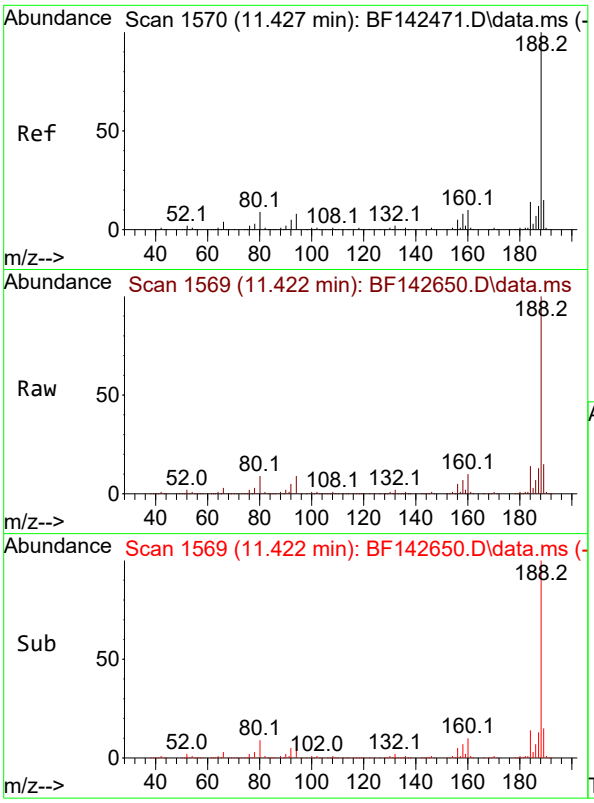


#45
2-Fluorobiphenyl
Concen: 53.567 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.017 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Tgt Ion:172 Resp: 1053450

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	42.8
170	23.4	18.9	28.3



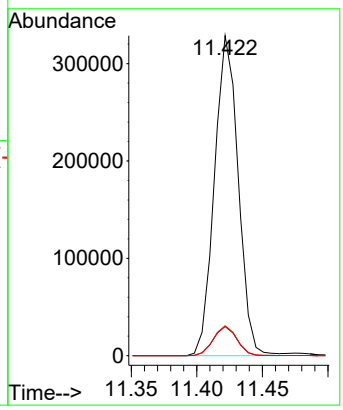


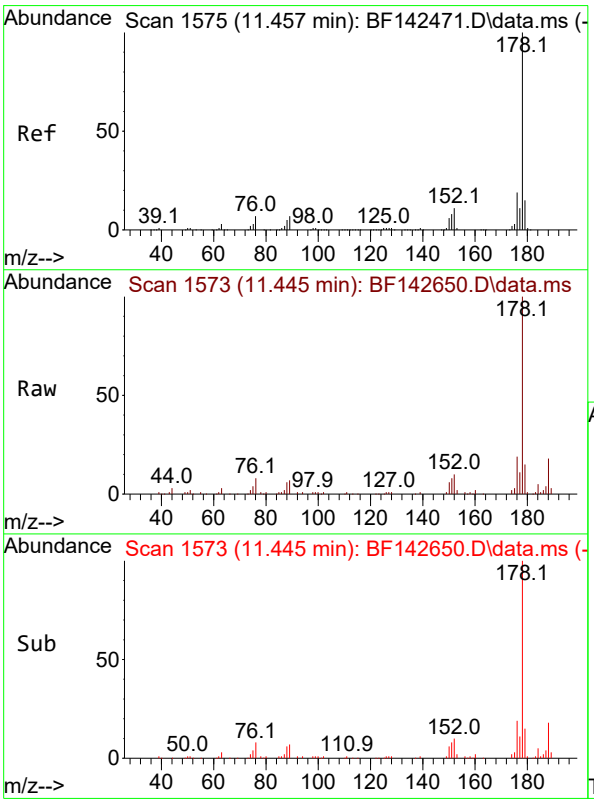
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Instrument :
BNA_F
ClientSampleId :
TP-31

Tgt Ion:188 Resp: 414083

Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.6	10.0
80	9.4	7.4	11.0

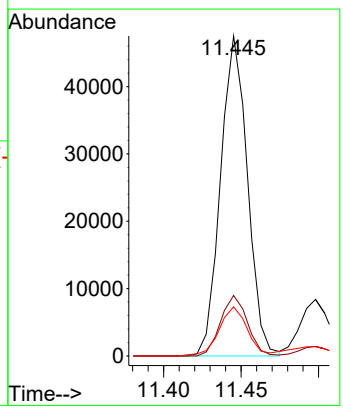


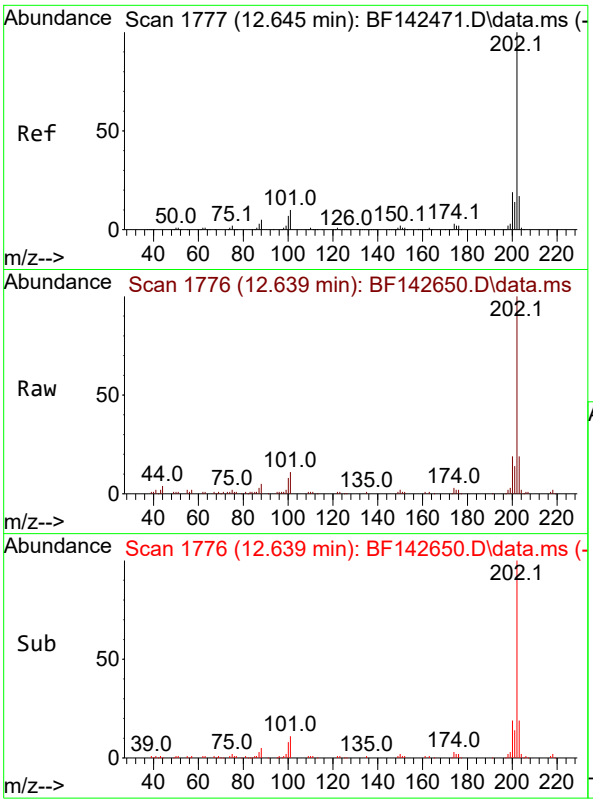


#71
Phenanthrene
Concen: 2.595 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Tgt Ion:178 Resp: 57425

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	15.3	12.3	18.5



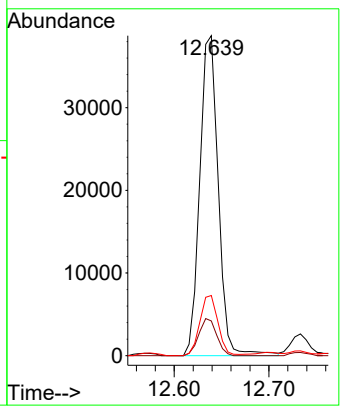


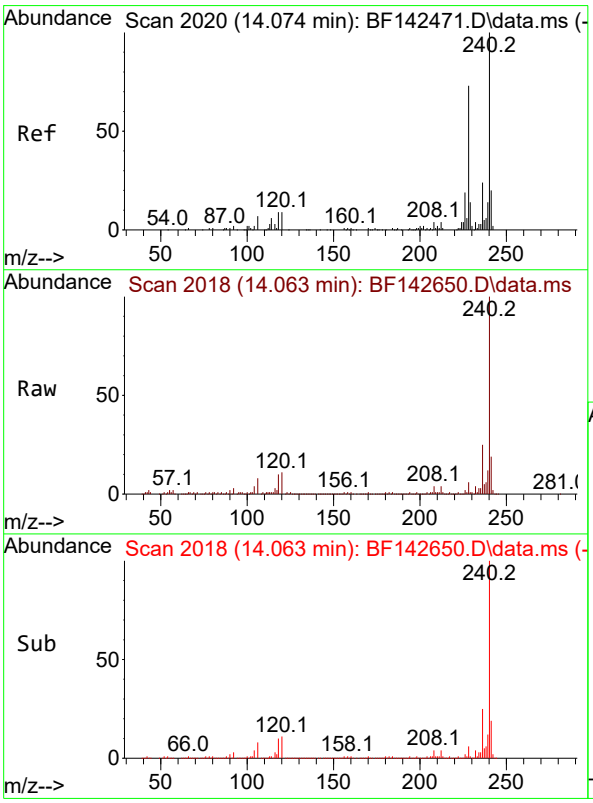
#75
Fluoranthene
Concen: 2.540 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Instrument :
BNA_F
ClientSampleId :
TP-31

Tgt Ion:202 Resp: 52531

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	29.6
203	18.8	0.0	37.2

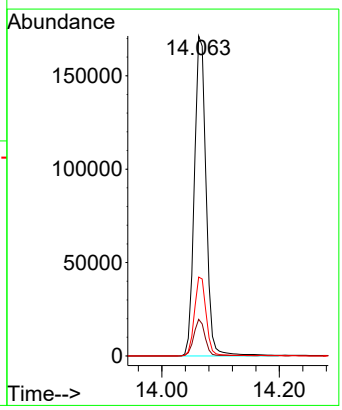


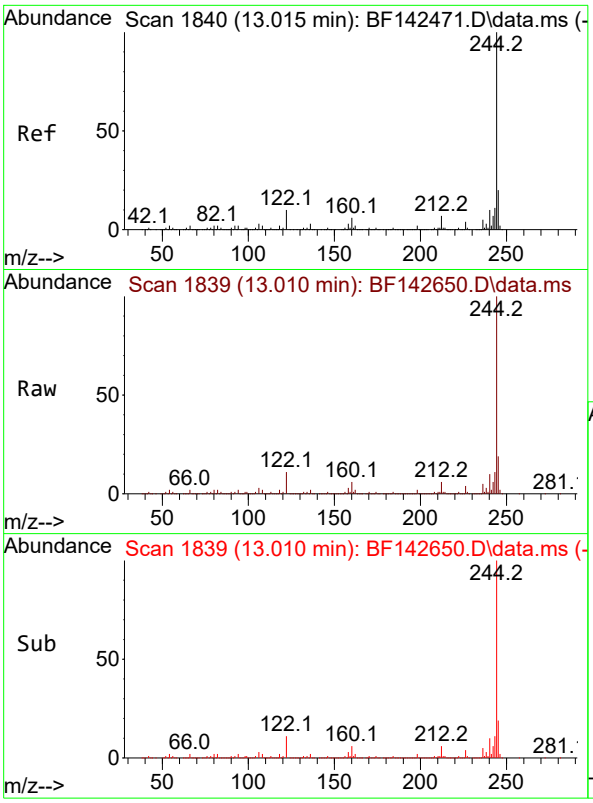


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Tgt Ion:240 Resp: 237224

Ion	Ratio	Lower	Upper
240	100		
120	11.5	7.5	11.3#
236	24.6	19.6	29.4



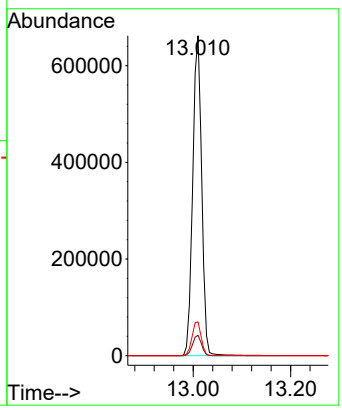


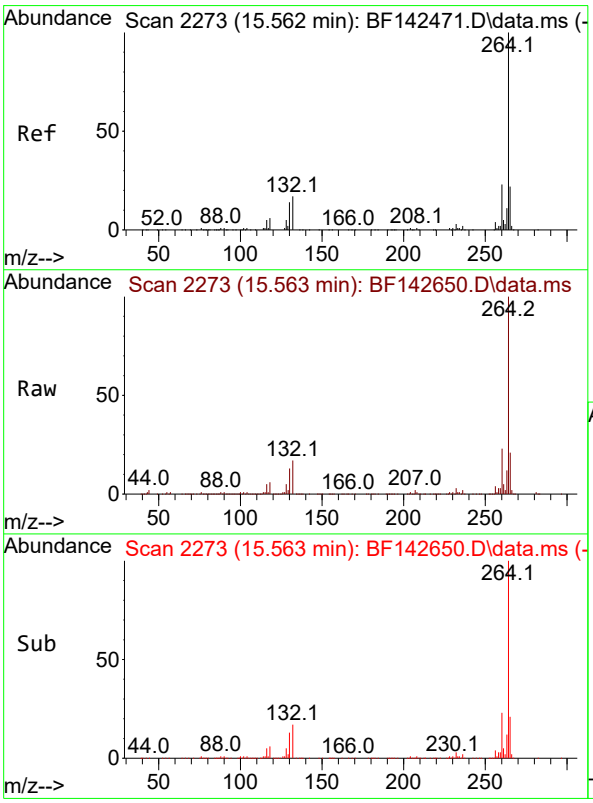
#79
Terphenyl-d14
Concen: 49.160 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Instrument :
BNA_F
ClientSampleId :
TP-31

Tgt Ion:244 Resp: 853397

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.3	7.9
122	10.5	8.2	12.2

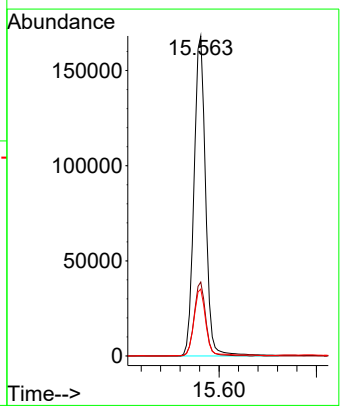




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Tgt Ion:264 Resp: 279177

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	20.9	17.7	26.5



Sample Results: **BF142650.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142650.D
Acq On : 06 Jun 2025 17:01
Operator : RC/JU
Sample : Q2176-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-31

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: BF142650.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	180573	280061	9.51%	1.315%
2	5.510	558	564	570	rBV	1712436	2358708	80.13%	11.076%
3	6.516	729	735	760	rVB	1713445	2424824	82.38%	11.386%
4	6.892	794	799	804	rBV	594500	724569	24.62%	3.402%
5	7.457	888	895	900	rBV	1122470	1554116	52.80%	7.297%
6	8.175	1012	1017	1032	rBV	720815	958779	32.57%	4.502%
7	9.251	1194	1200	1205	rBV	2330068	2943523	100.00%	13.822%
8	9.933	1311	1316	1321	rBV	883126	1082241	36.77%	5.082%
9	10.645	1432	1437	1443	rBV	543722	685334	23.28%	3.218%
10	10.722	1445	1450	1465	rVB	1446521	1908720	64.84%	8.963%
11	10.957	1481	1490	1494	rBV	88685	110778	3.76%	0.520%
12	11.422	1564	1569	1578	rBV2	790287	1130929	38.42%	5.310%
13	11.645	1602	1607	1615	rBV3	35983	65244	2.22%	0.306%
14	11.945	1650	1658	1665	rBV2	175566	291561	9.91%	1.369%
15	12.039	1670	1674	1682	rVB3	24704	51819	1.76%	0.243%
16	12.198	1696	1701	1708	rBV3	46486	68084	2.31%	0.320%
17	12.463	1738	1746	1752	rBV3	78169	150361	5.11%	0.706%
18	12.639	1771	1776	1784	rBV	88667	126501	4.30%	0.594%
19	12.727	1787	1791	1799	rVV	24716	41980	1.43%	0.197%
20	12.863	1808	1814	1818	rBV2	67367	111025	3.77%	0.521%
21	13.010	1833	1839	1847	rBV	1725667	2241732	76.16%	10.526%
22	13.210	1863	1873	1880	rBV5	34864	101915	3.46%	0.479%
23	13.310	1888	1890	1895	rVB2	25283	31998	1.09%	0.150%
24	13.898	1986	1990	2005	rVB2	113755	201696	6.85%	0.947%
25	14.063	2013	2018	2029	rVB	481166	721507	24.51%	3.388%
26	14.539	2095	2099	2113	rVB3	37397	89793	3.05%	0.422%
27	14.921	2160	2164	2168	rVB	24925	32810	1.11%	0.154%
28	15.121	2193	2198	2206	rBV	25893	60679	2.06%	0.285%
29	15.563	2266	2273	2286	rVB	441195	745320	25.32%	3.500%

Sum of corrected areas: 21296607

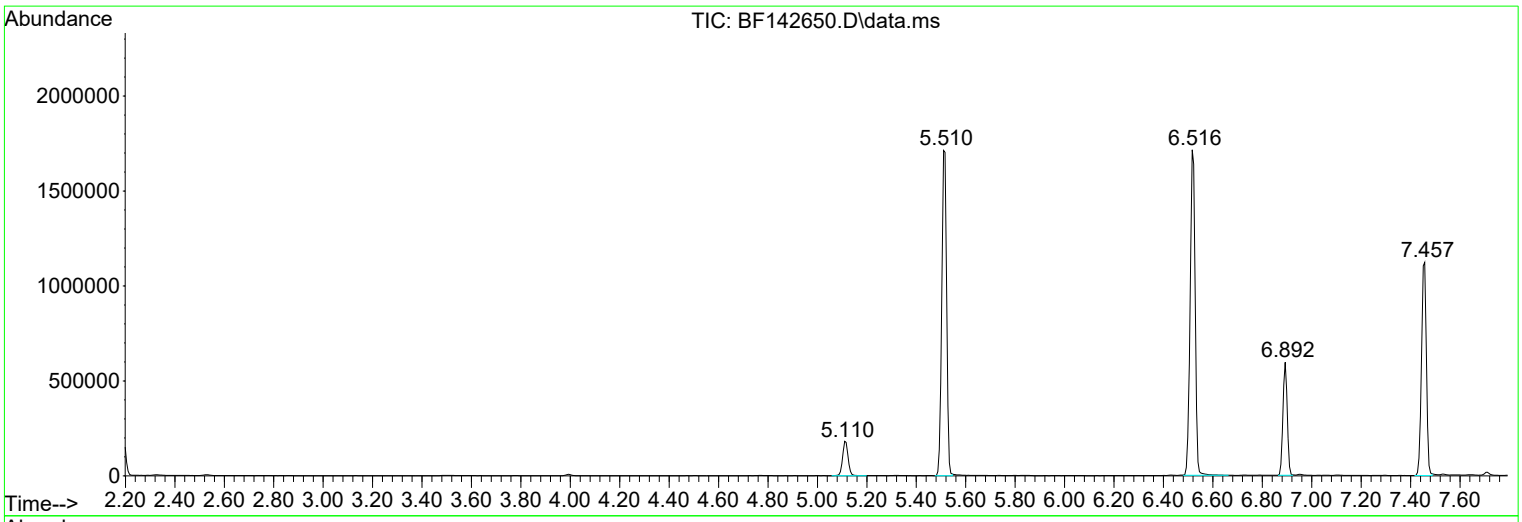
Sample Results: **BF142650.D**

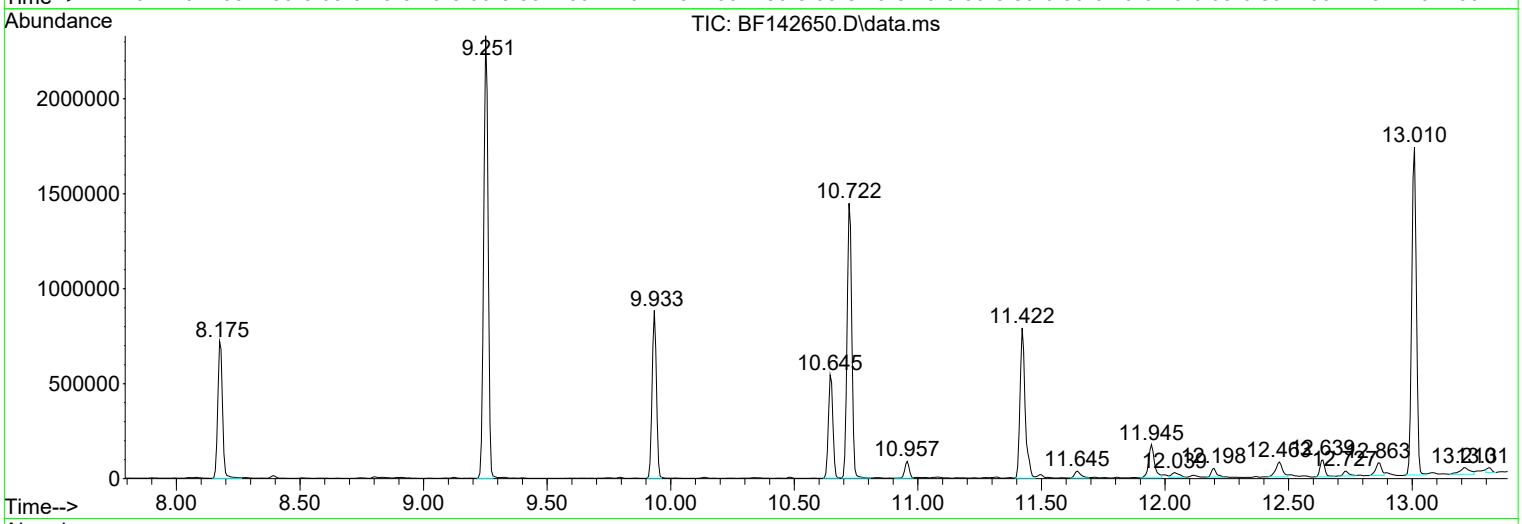
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142650.D
Acq On : 06 Jun 2025 17:01
Operator : RC/JU
Sample : Q2176-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

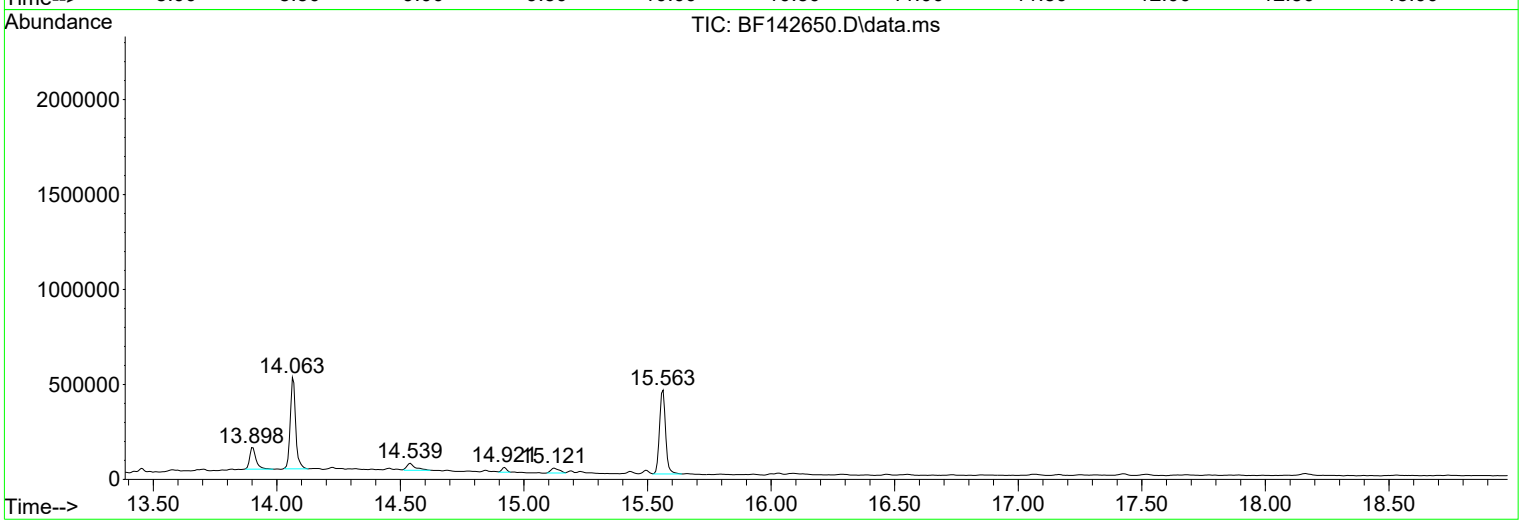
Instrument :
BNA_F
ClientSampleId :
TP-31

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\BF060625\
Data File : BF142650.D
Acq On : 06 Jun 2025 17:01
Operator : RC/JU
Sample : Q2176-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-31

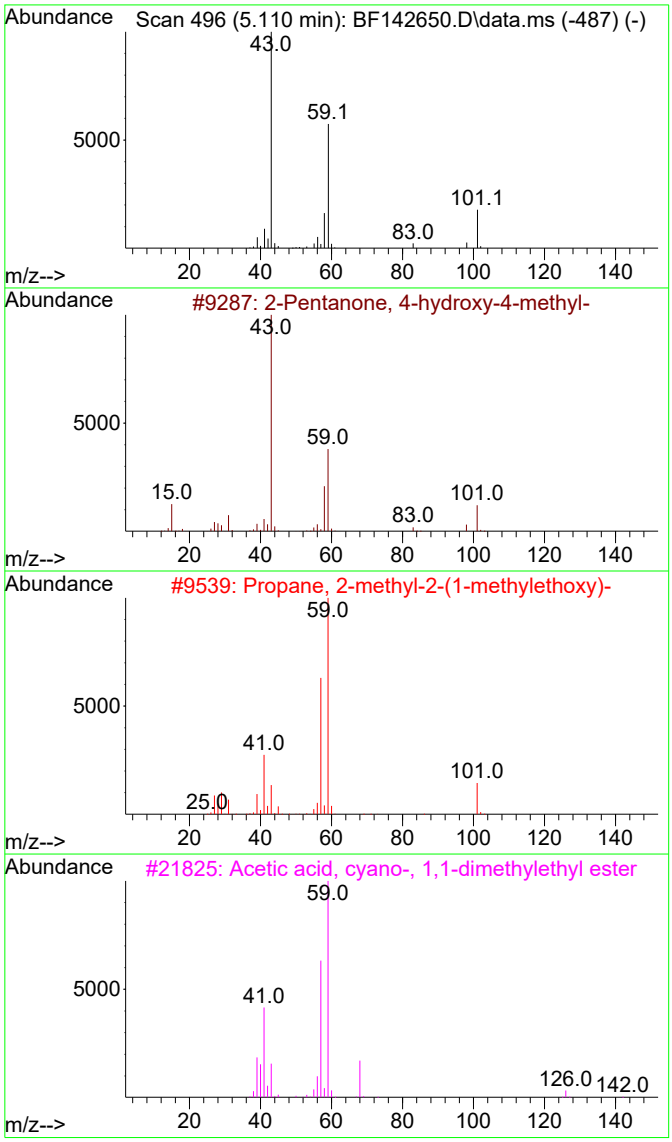
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

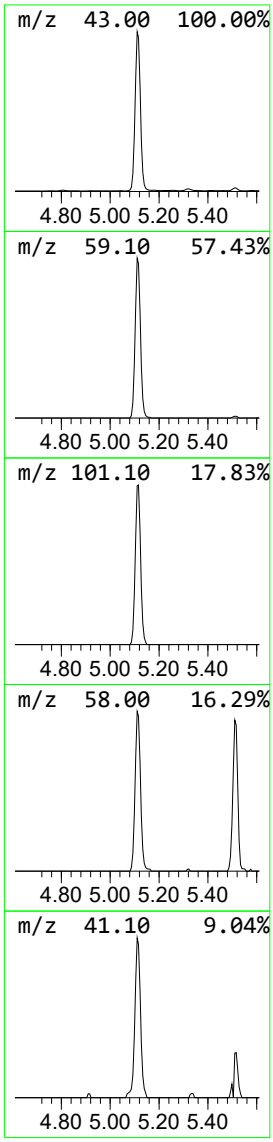
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.110	7.73 ng	280061	1,4-Dichlorobenzene-d4	6.892

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	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	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142650.D
Acq On : 06 Jun 2025 17:01
Operator : RC/JU
Sample : Q2176-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-31

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

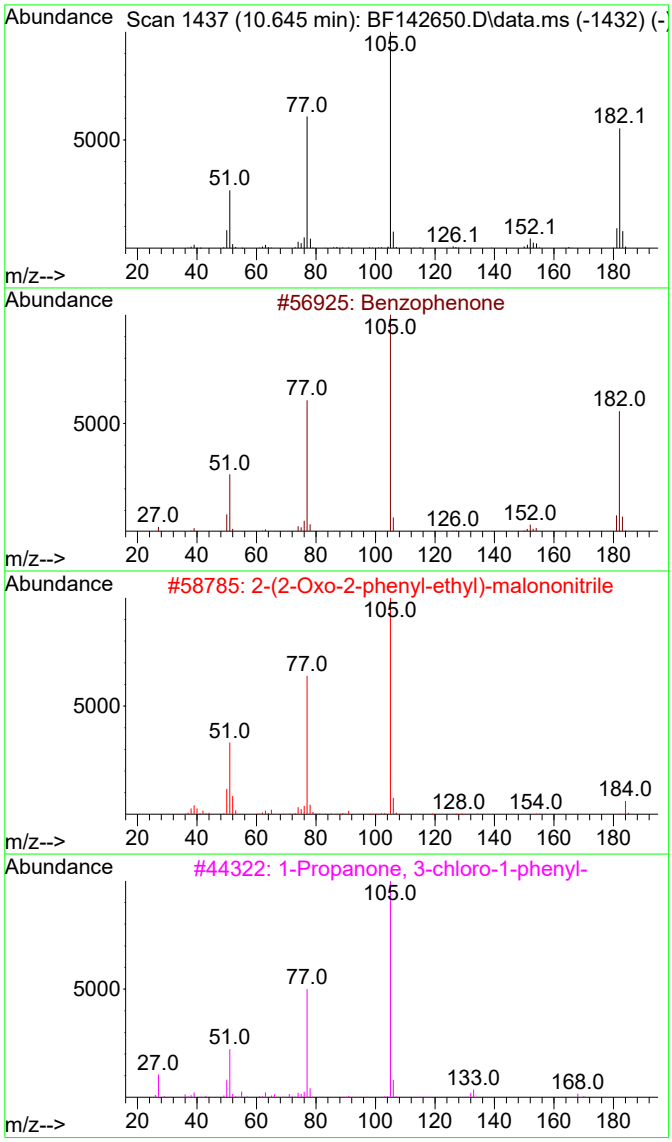
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

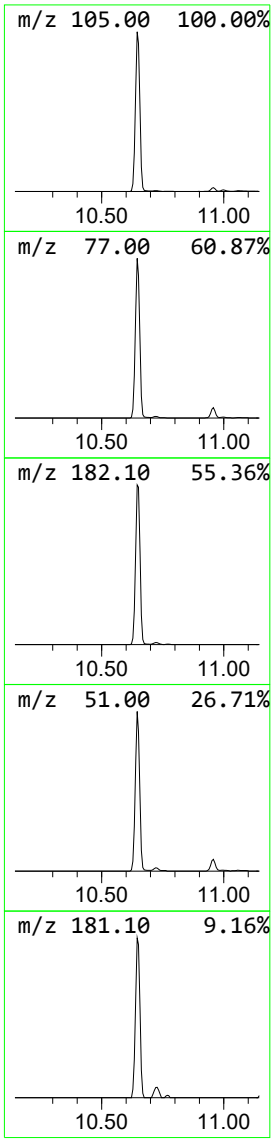
****

Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.645	12.67 ng	685334	Acenaphthene-d10	9.933

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	47
3	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47
4	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
5	Vinyl benzoate	148	C9H8O2	000769-78-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142650.D
Acq On : 06 Jun 2025 17:01
Operator : RC/JU
Sample : Q2176-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-31

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

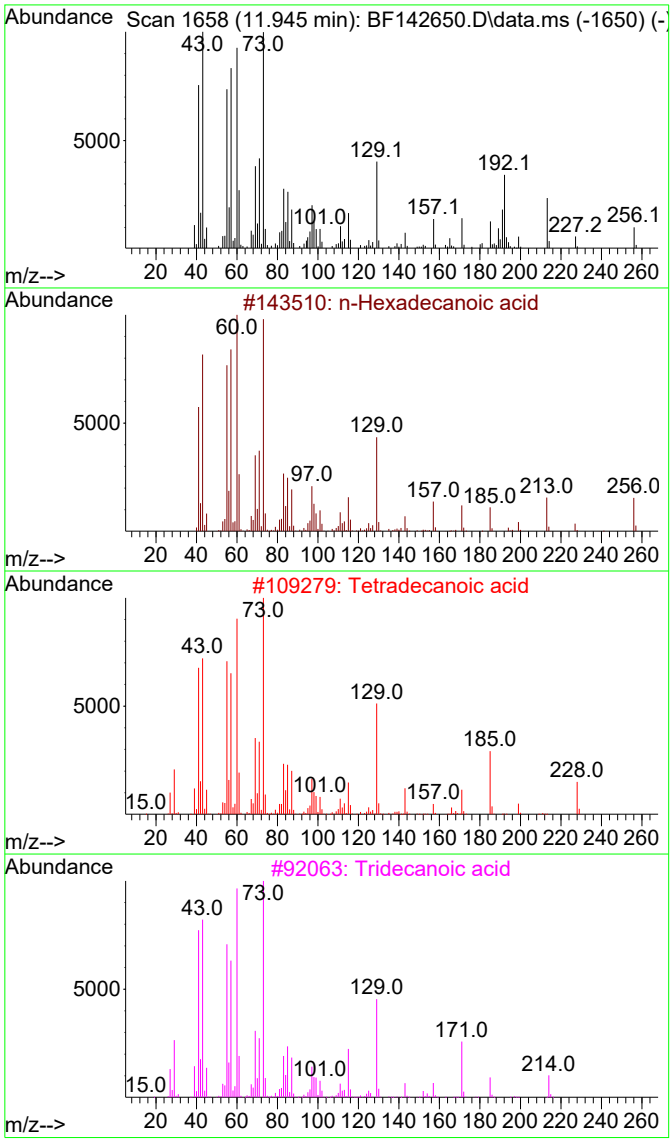
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

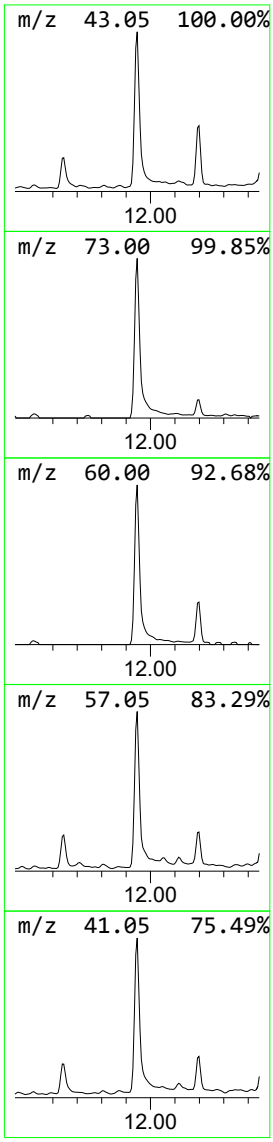
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	5.16 ng	291561	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	94
3	Tridecanoic acid	214	C13H26O2	000638-53-9	91
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
5	8-Methylnonanoic acid	172	C10H20O2	005963-14-4	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142650.D
Acq On : 06 Jun 2025 17:01
Operator : RC/JU
Sample : Q2176-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-31

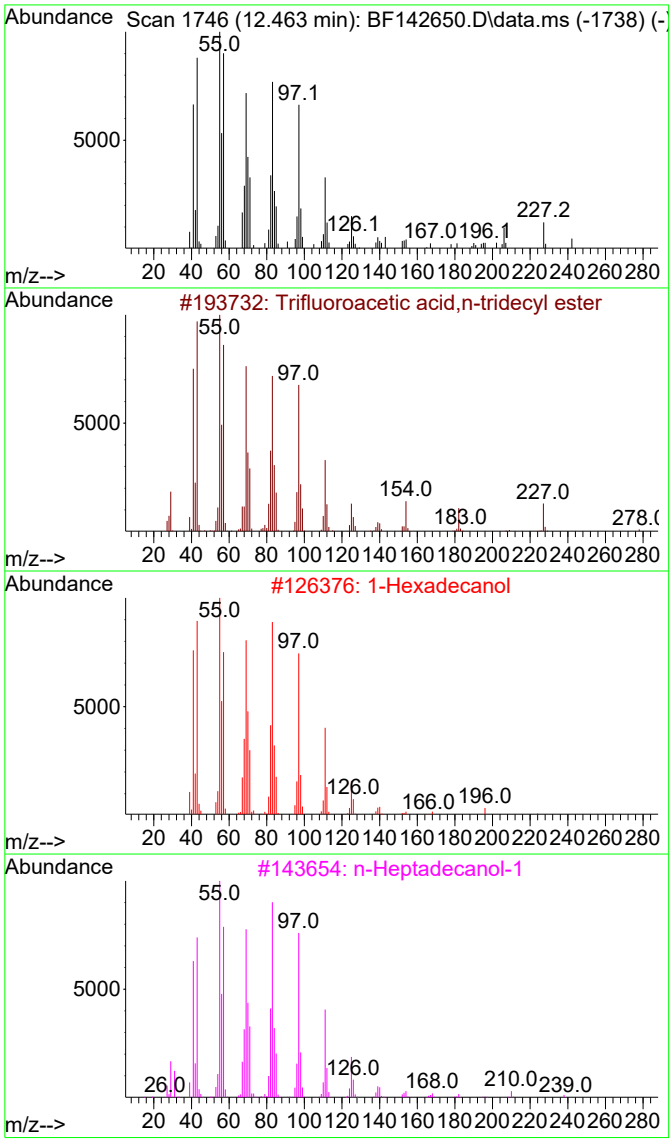
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

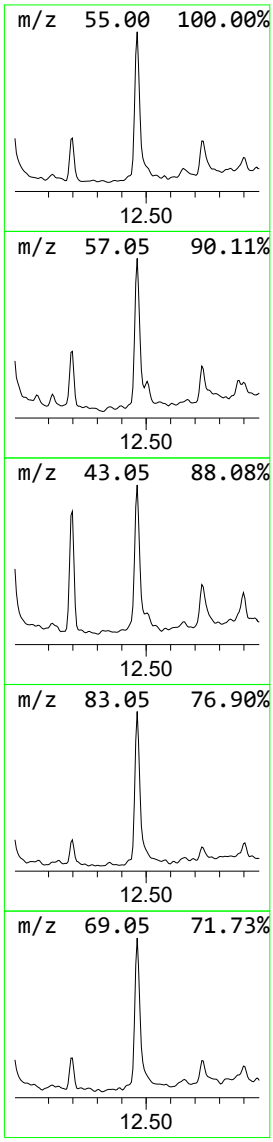
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Trifluoroacetic acid,n-trid... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.463	2.66 ng	150361	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trifluoroacetic acid,n-tridecyl ...	296	C15H27F3O2	053800-02-5	94
2	1-Hexadecanol	242	C16H34O	036653-82-4	93
3	n-Heptadecanol-1	256	C17H36O	001454-85-9	93
4	1-Octadecanol	270	C18H38O	000112-92-5	93
5	1-Heneicosanol	312	C21H44O	015594-90-8	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142650.D
Acq On : 06 Jun 2025 17:01
Operator : RC/JU
Sample : Q2176-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-31

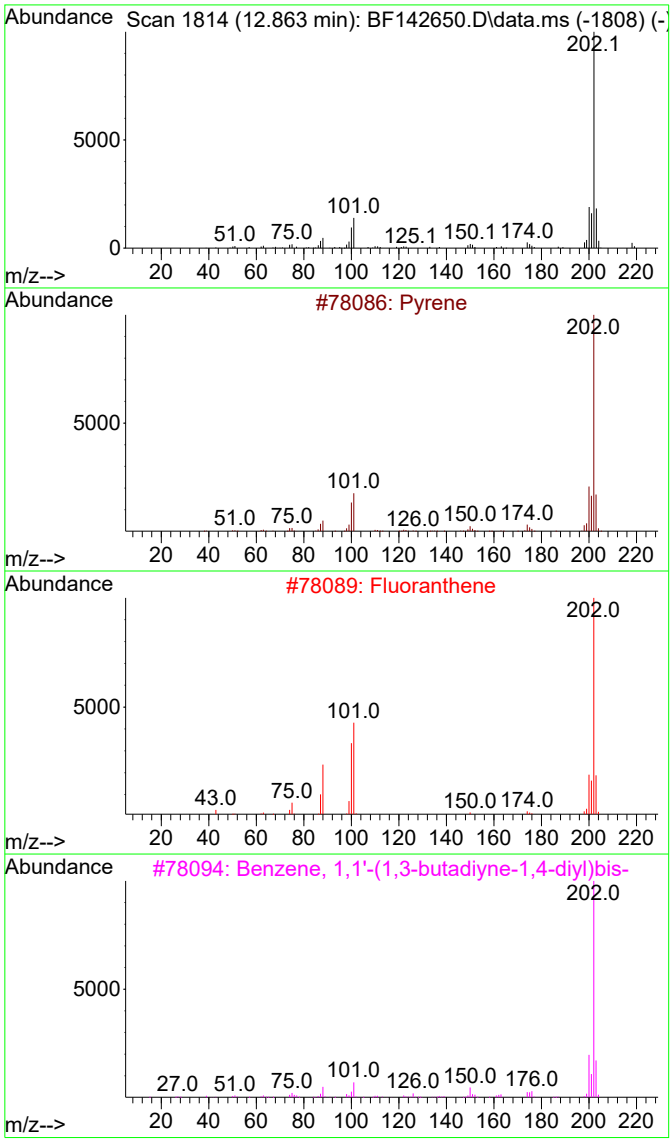
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

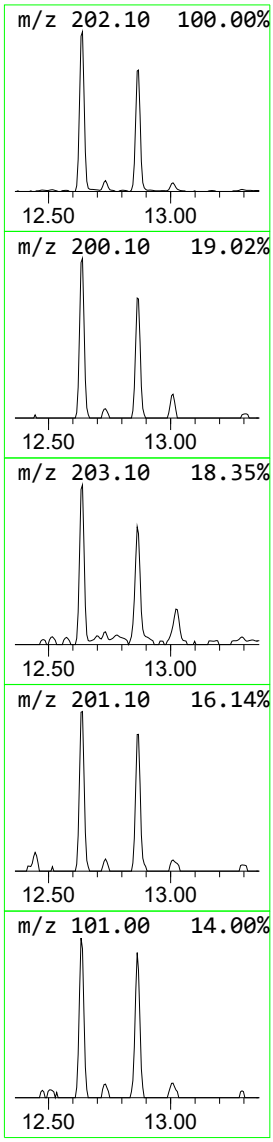
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.863	3.08 ng	111025	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene	202	C16H10	000129-00-0	96
2	Fluoranthene	202	C16H10	000206-44-0	93
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	64
4	Pyrimidine, 2-phenyl-4-hydroxy-5...	202	C11H10N2O2	085386-21-6	9
5	5-Ethyl-4,7-dihydro-2-methyl-7-o...	202	C10H10N4O	903195-75-5	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142650.D
Acq On : 06 Jun 2025 17:01
Operator : RC/JU
Sample : Q2176-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-31

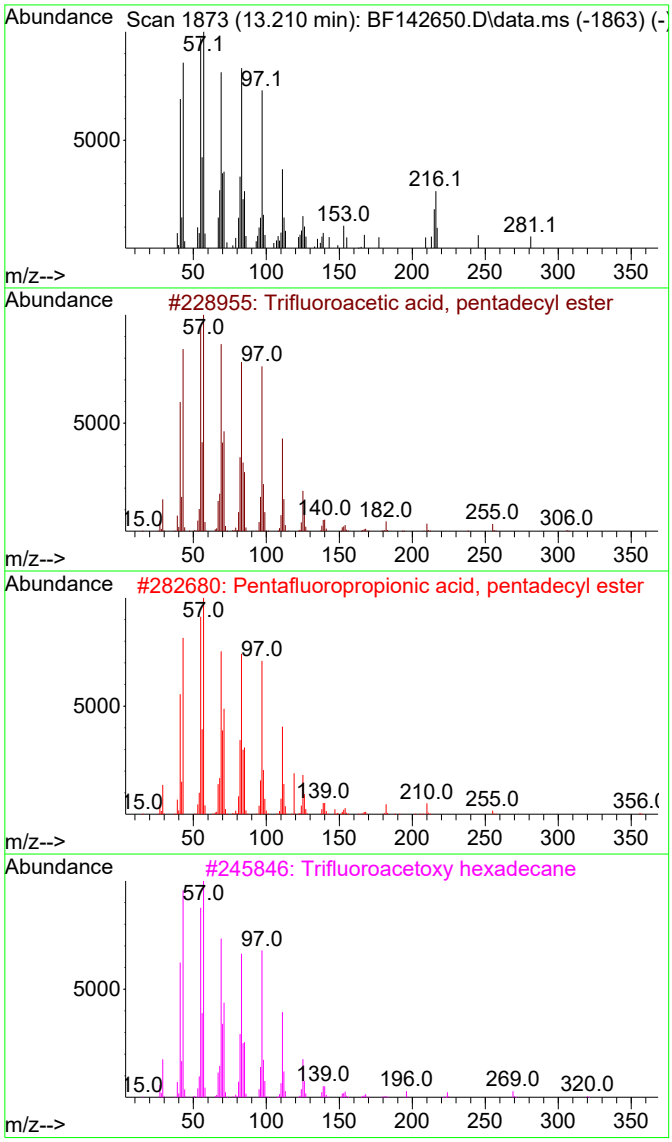
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

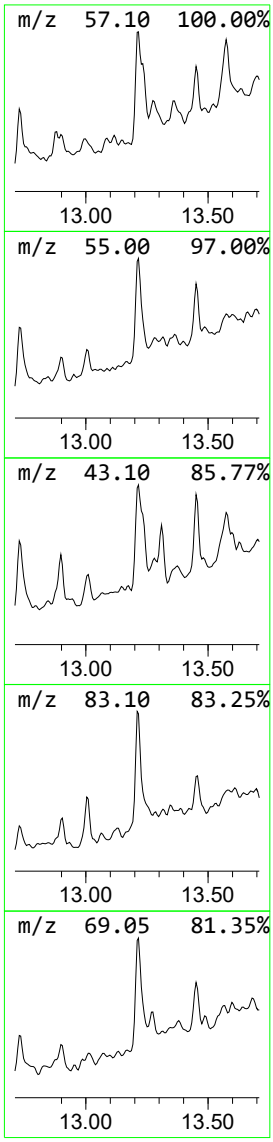
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Trifluoroacetic acid, penta... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.210	2.83 ng	101915	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	93
2	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	93
3	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	90
5	Behenic alcohol	326	C22H46O	000661-19-8	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142650.D
Acq On : 06 Jun 2025 17:01
Operator : RC/JU
Sample : Q2176-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-31

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

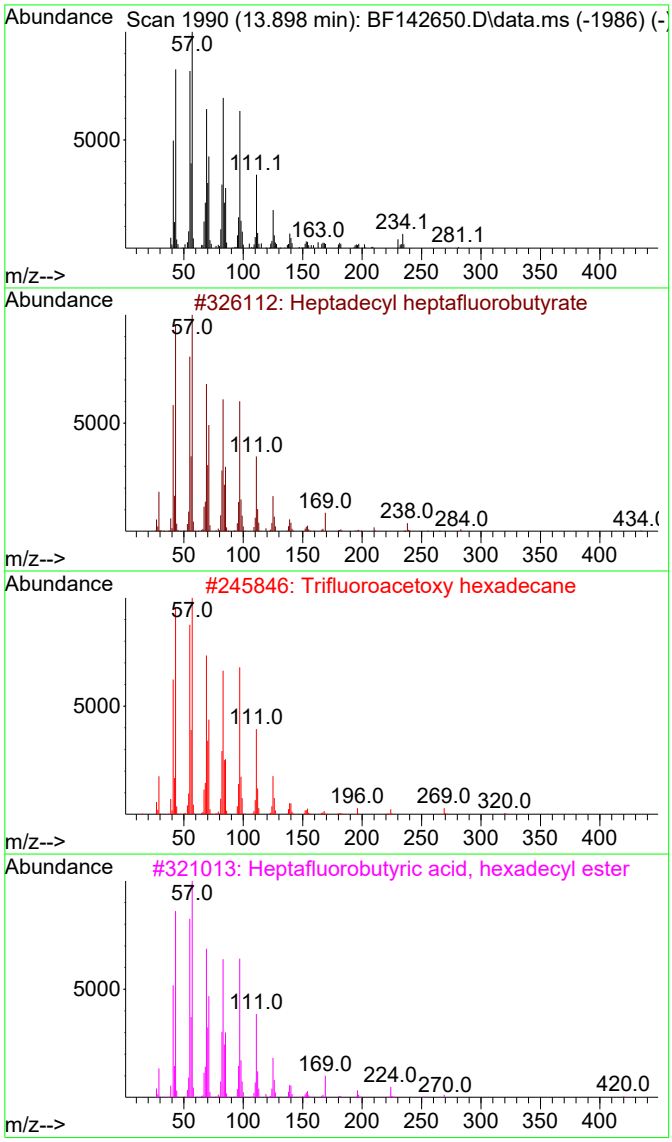
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

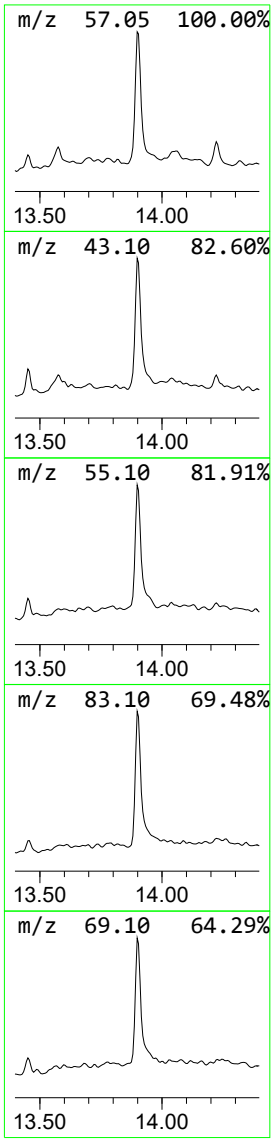
****

Peak Number 7 Heptadecyl heptafluorobutyrate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.898	5.59 ng	201696	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
2	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94
3	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	94
4	1-Hexacosene	364	C26H52	018835-33-1	93
5	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	91





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Data File : BF142650.D
Acq On : 06 Jun 2025 17:01
Operator : RC/JU
Sample : Q2176-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-31

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

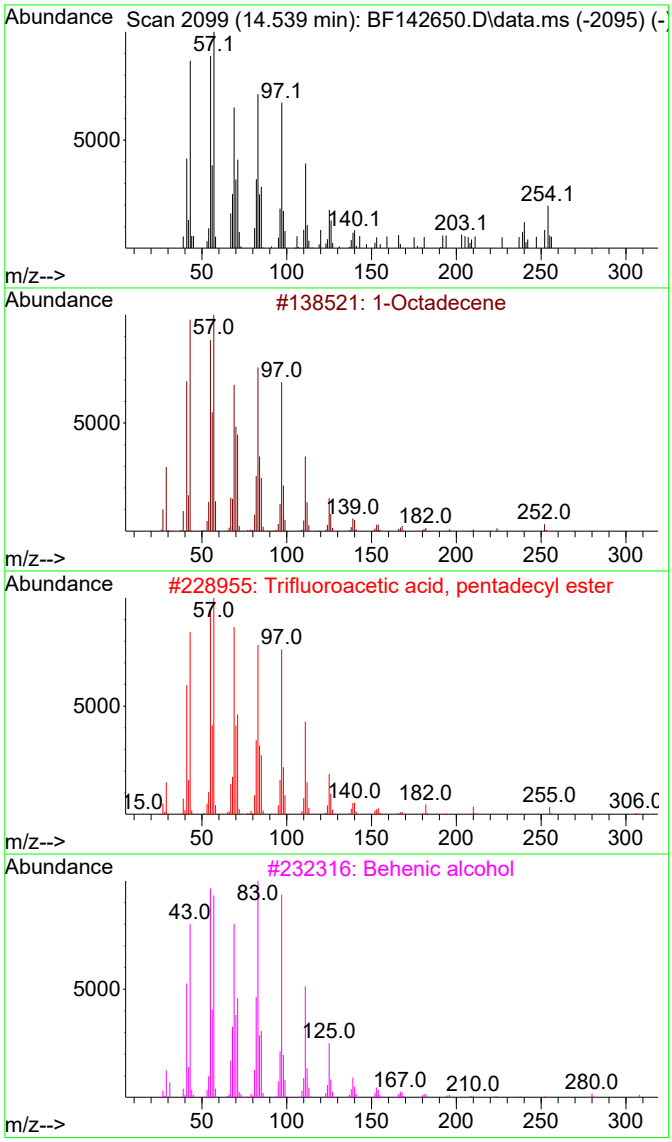
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

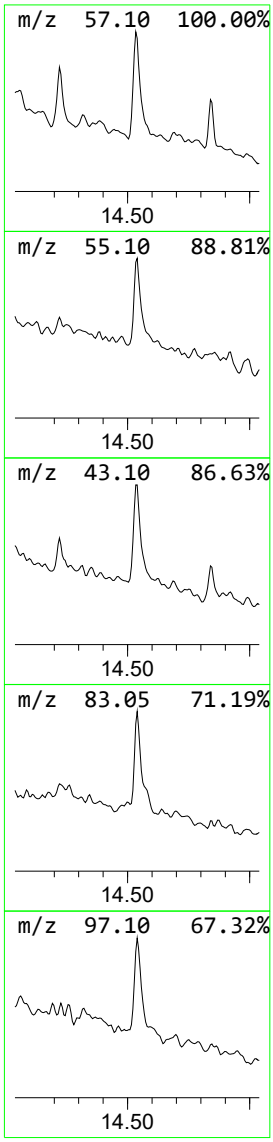
****

Peak Number 8 1-Octadecene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.539	2.49 ng	89793	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecene	252	C18H36	000112-88-9	98
2	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	93
3	Behenic alcohol	326	C22H46O	000661-19-8	93
4	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93
5	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142650.D
Acq On : 06 Jun 2025 17:01
Operator : RC/JU
Sample : Q2176-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-31

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	7.7	ng	280061	1	6.892	724569	20.0
Benzophenone	10.645	12.7	ng	685334	3	9.933	1082240	20.0
n-Hexadecanoic ...	11.945	5.2	ng	291561	4	11.422	1130930	20.0
Trifluoroacetic...	12.463	2.7	ng	150361	4	11.422	1130930	20.0
Benzene, 1,1'-(...	12.863	3.1	ng	111025	5	14.063	721507	20.0
Trifluoroacetic...	13.210	2.8	ng	101915	5	14.063	721507	20.0
Heptadecyl hept...	13.898	5.6	ng	201696	5	14.063	721507	20.0
1-Octadecene	14.539	2.5	ng	89793	5	14.063	721507	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024894.D
Acq On : 10 Jun 2025 15:05
Operator : RC/JU
Sample : Q2176-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-65

Quant Time: Jun 10 15:28:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

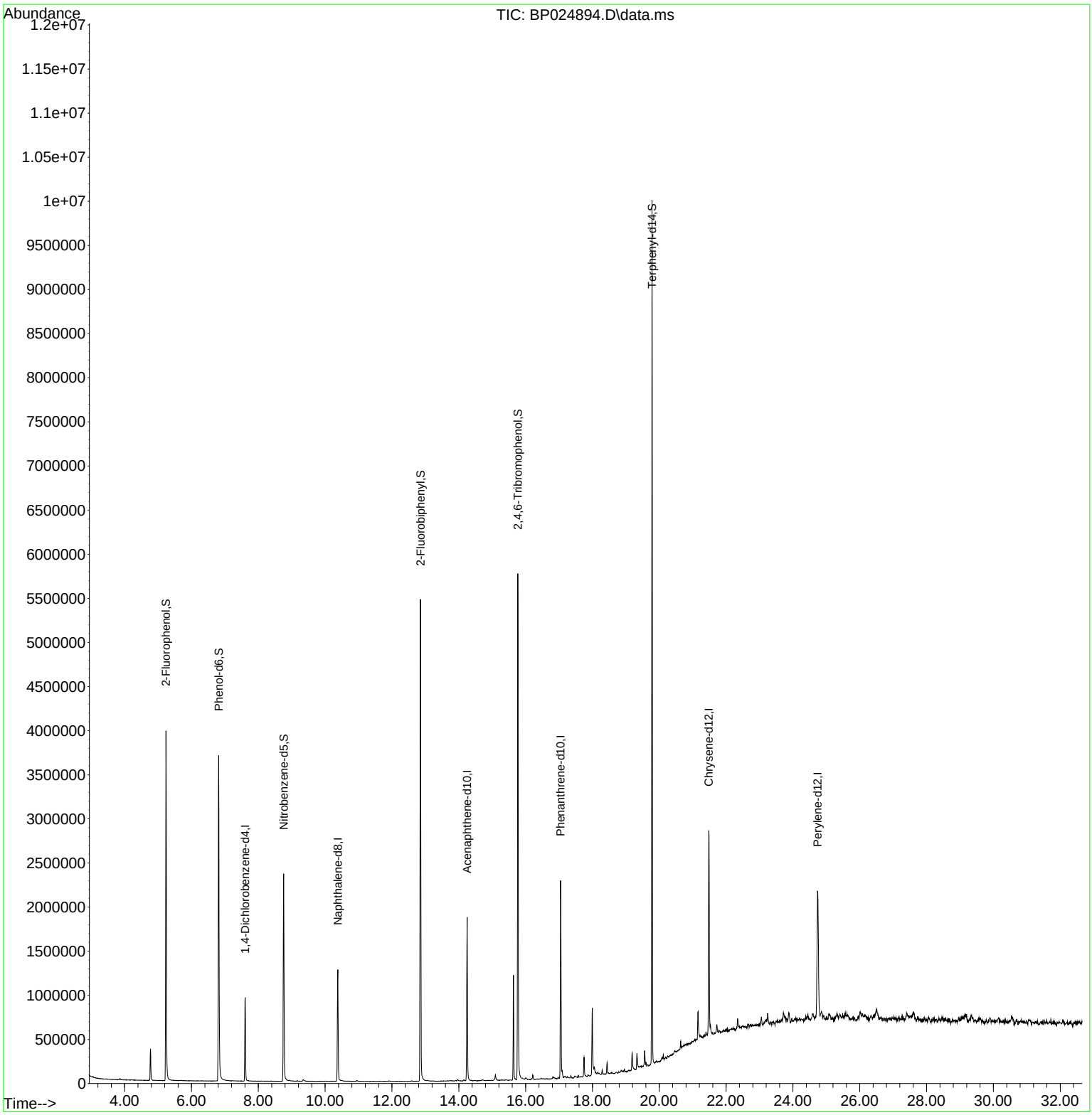
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	258411	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1090500	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	691206	20.000	ng	0.00
64) Phenanthrene-d10	17.048	188	1373079	20.000	ng	-0.01
76) Chrysene-d12	21.483	240	1382027	20.000	ng	0.00
86) Perylene-d12	24.736	264	1592939	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1744524	112.687	ng	0.00
7) Phenol-d6	6.814	99	2291033	111.850	ng	0.00
23) Nitrobenzene-d5	8.761	82	1410528	62.854	ng	0.00
42) 2,4,6-Tribromophenol	15.766	330	1137466	119.028	ng	-0.02
45) 2-Fluorobiphenyl	12.854	172	2961471	57.717	ng	0.00
79) Terphenyl-d14	19.783	244	4503227	58.399	ng	-0.01
Target Compounds						Qvalue

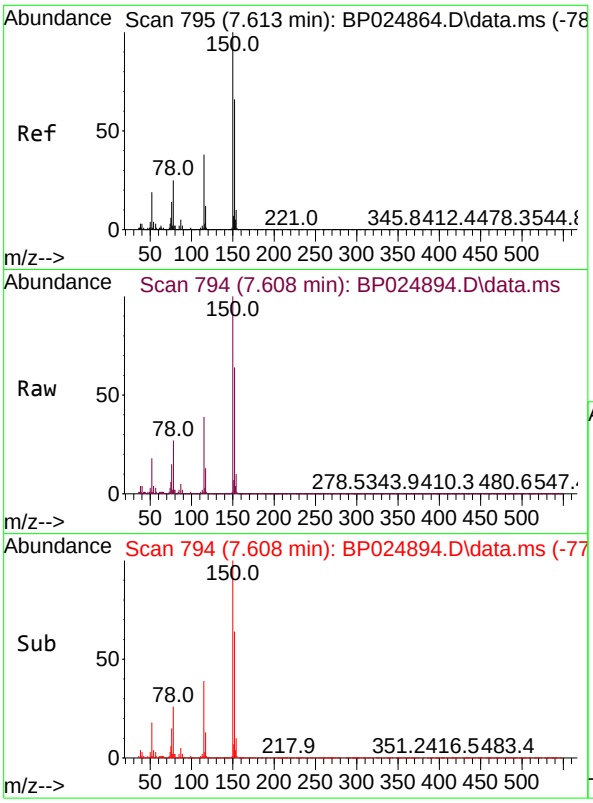
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024894.D
Acq On : 10 Jun 2025 15:05
Operator : RC/JU
Sample : Q2176-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-65

Quant Time: Jun 10 15:28:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration



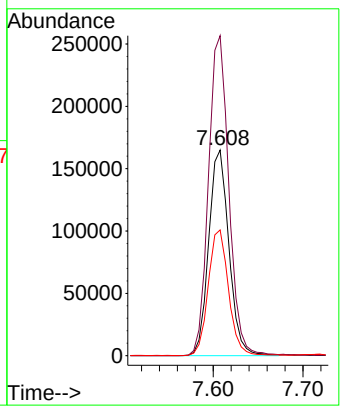


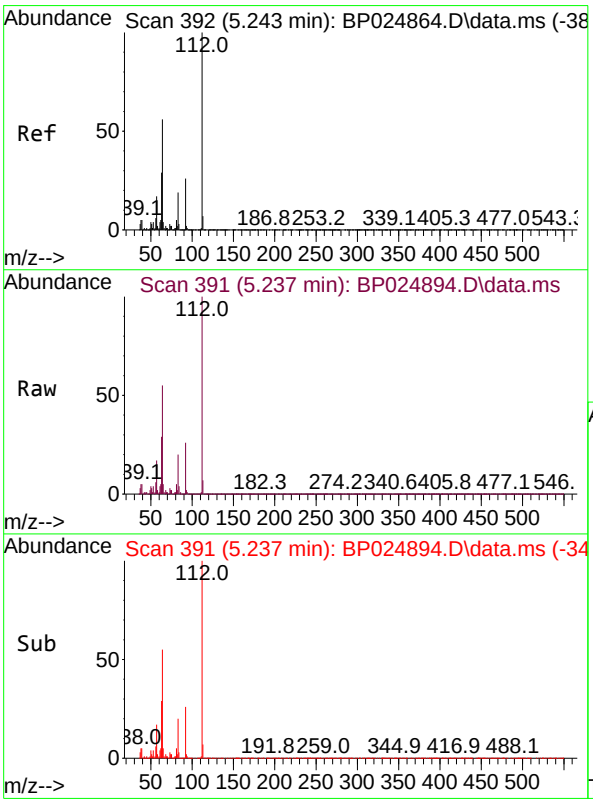
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Instrument :
BNA_P
ClientSampleId :
TP-65

Tgt Ion:152 Resp: 258411

Ion	Ratio	Lower	Upper
152	100		
150	155.6	122.1	183.1
115	61.1	46.4	69.6

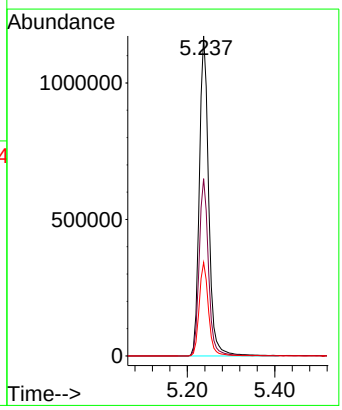


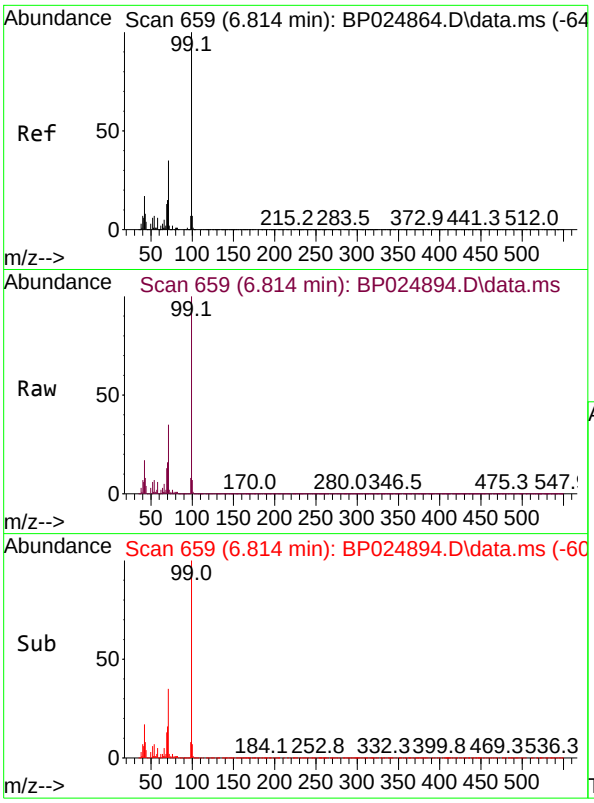


#5
2-Fluorophenol
Concen: 112.687 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Tgt Ion:112 Resp: 1744524

Ion	Ratio	Lower	Upper
112	100		
64	55.4	44.7	67.1
63	29.2	23.5	35.3



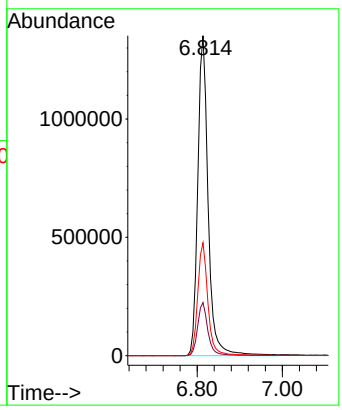


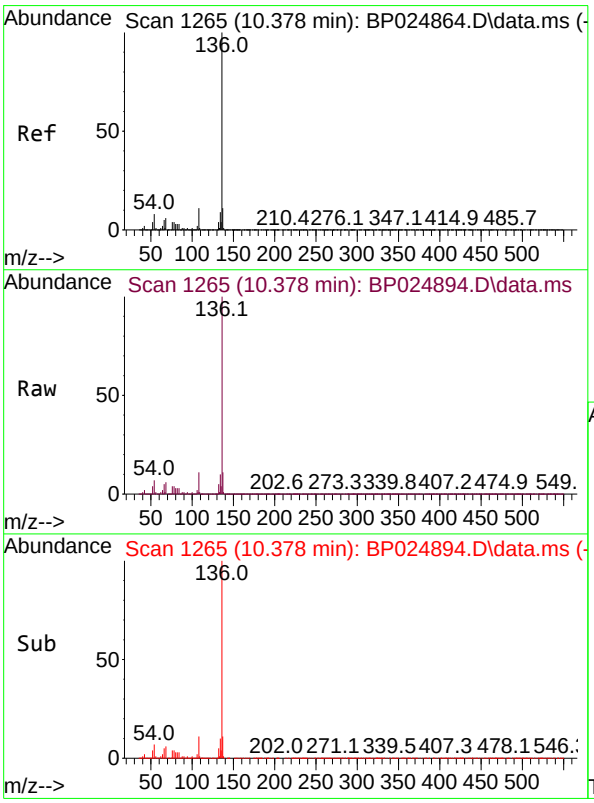
#7
Phenol-d6
Concen: 111.850 ng
RT: 6.814 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Instrument :
BNA_P
ClientSampleId :
TP-65

Tgt Ion: 99 Resp: 2291033

Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.4	20.2
71	35.3	27.6	41.4

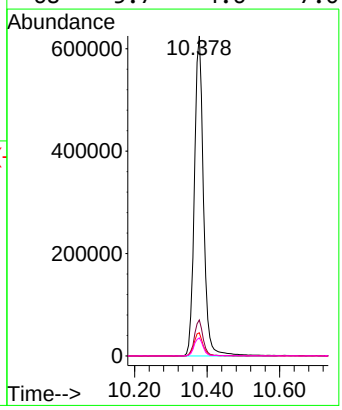


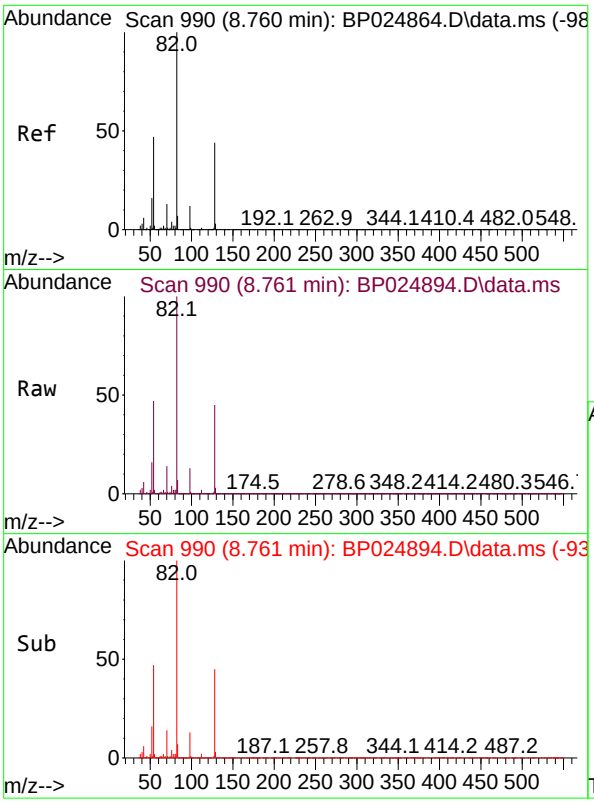


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Tgt Ion:136 Resp: 1090500

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.2	6.1	9.1
68	5.7	4.6	7.0



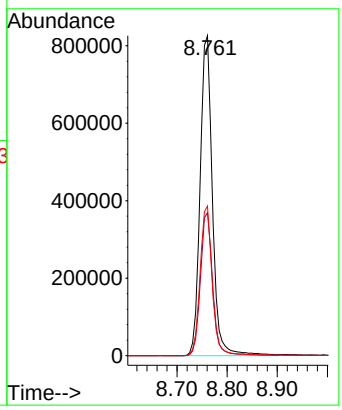


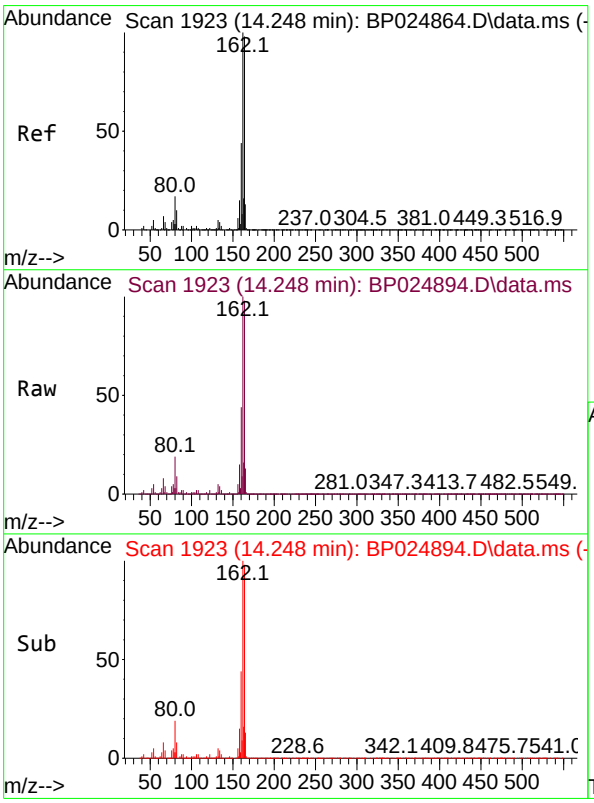
#23
Nitrobenzene-d5
Concen: 62.854 ng
RT: 8.761 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Instrument :
BNA_P
ClientSampleId :
TP-65

Tgt Ion: 82 Resp: 1410528

Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.3	52.9
54	46.8	37.4	56.0

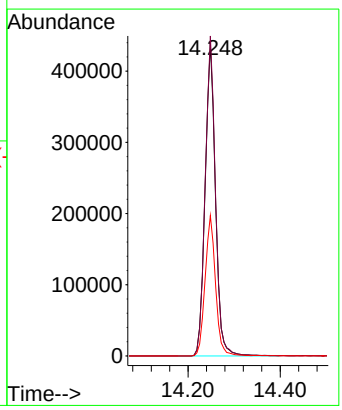


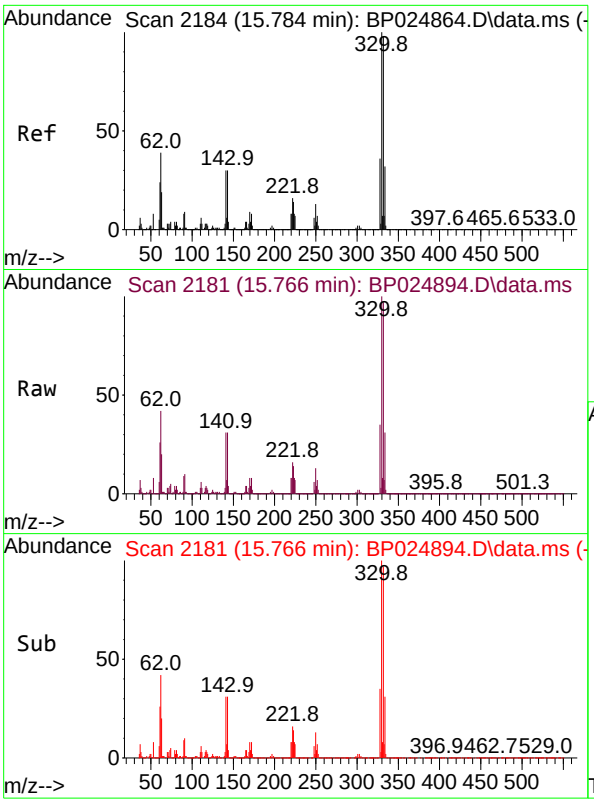


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 1923
Delta R.T. 0.000 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Tgt Ion:164 Resp: 691206

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.6	122.4
160	45.0	36.2	54.2



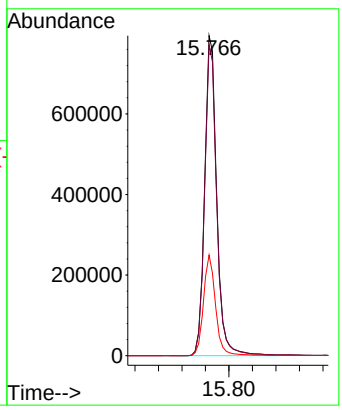


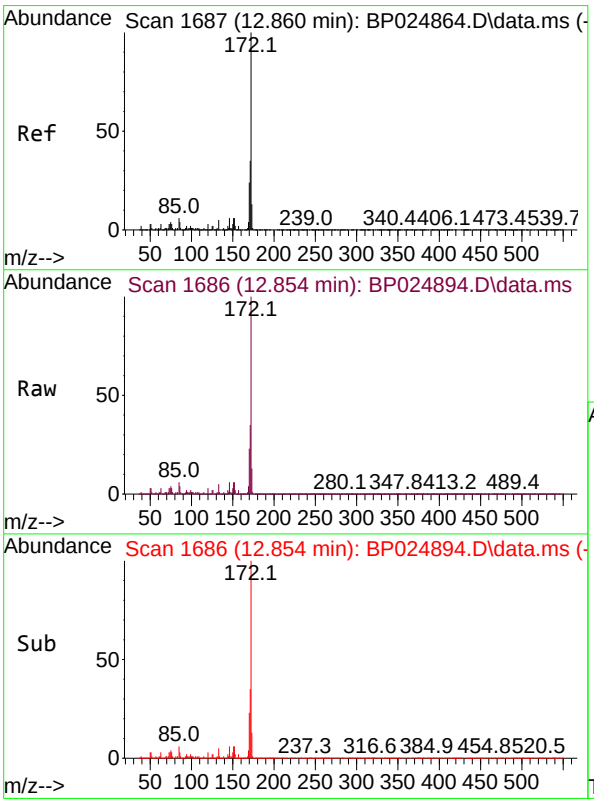
#42
2,4,6-Tribromophenol
Concen: 119.028 ng
RT: 15.766 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Instrument :
BNA_P
ClientSampleId :
TP-65

Tgt Ion:330 Resp: 1137466

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.7	116.5
141	31.4	26.4	39.6

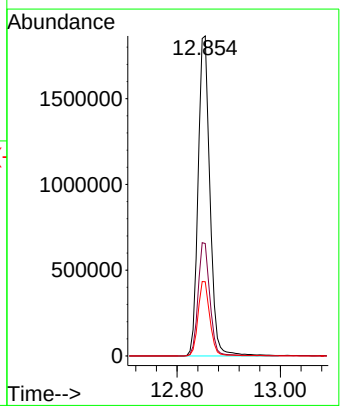


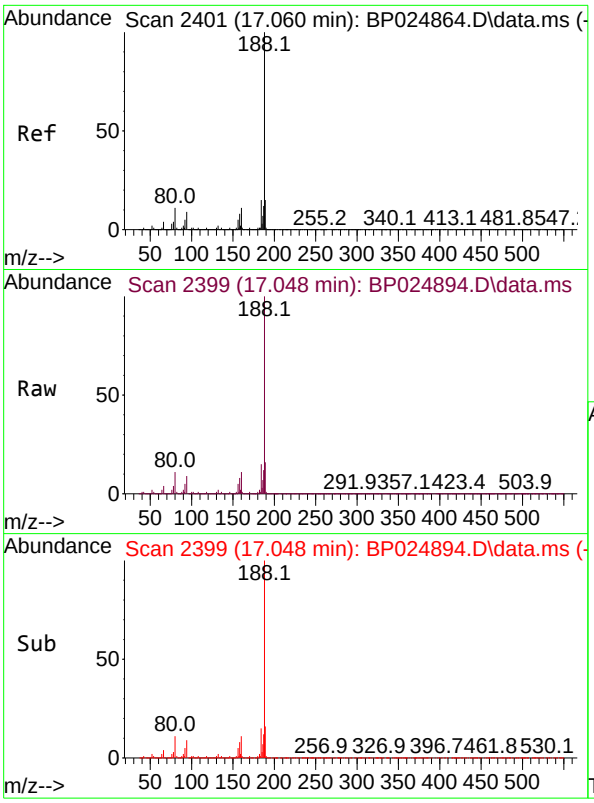


#45
2-Fluorobiphenyl
Concen: 57.717 ng
RT: 12.854 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Tgt Ion:172 Resp: 2961471

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.3	42.5
170	23.2	19.0	28.4



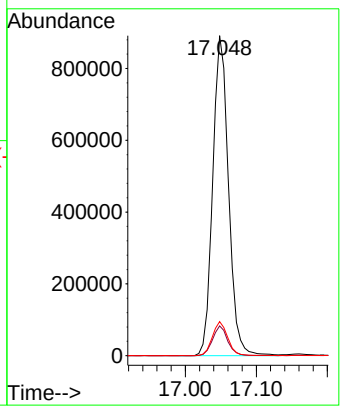


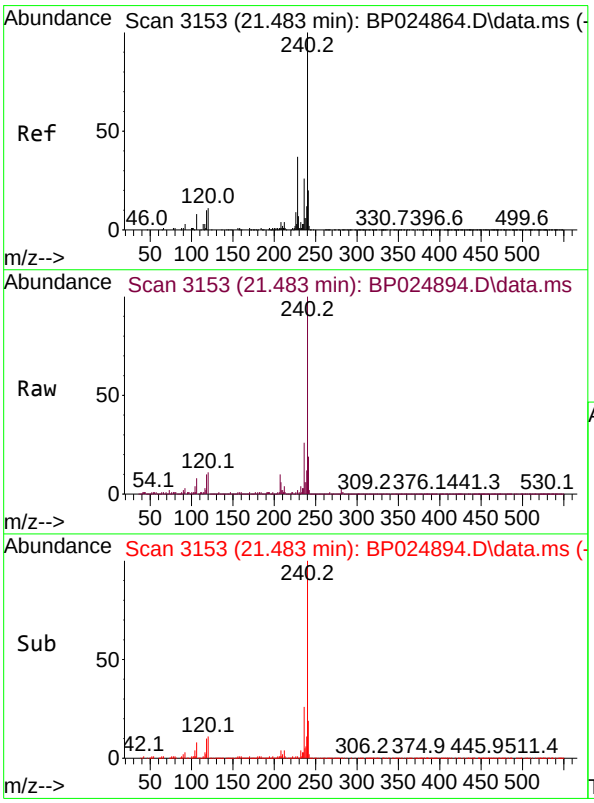
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.048 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Instrument :
BNA_P
ClientSampleId :
TP-65

Tgt Ion:188 Resp: 1373079

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.3	10.9
80	10.7	8.5	12.7

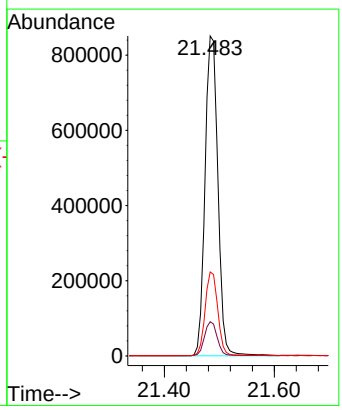


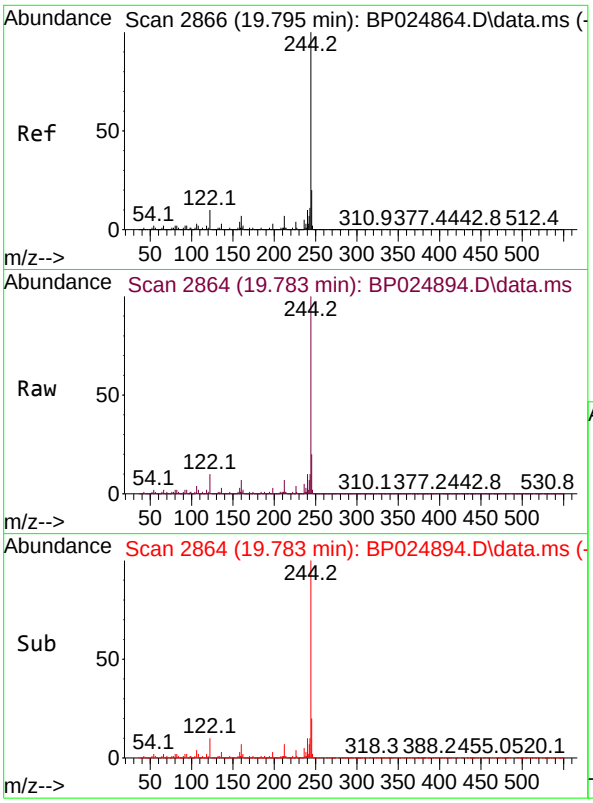


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.483 min Scan# 3153
Delta R.T. 0.000 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Tgt Ion:240 Resp: 1382027

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.9	13.3
236	26.2	20.9	31.3



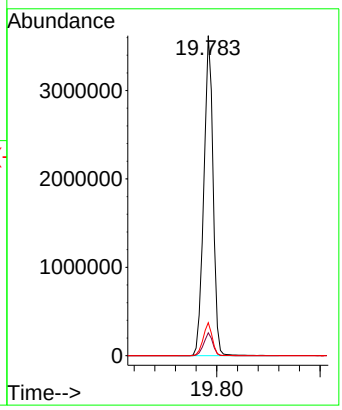


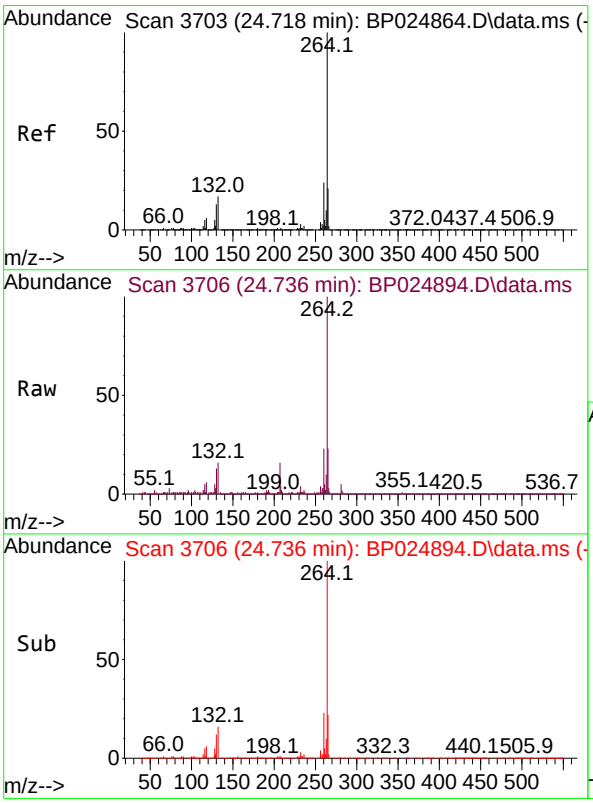
#79
Terphenyl-d14
Concen: 58.399 ng
RT: 19.783 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Instrument :
BNA_P
ClientSampleId :
TP-65

Tgt Ion:244 Resp: 4503227

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	10.3	7.7	11.5

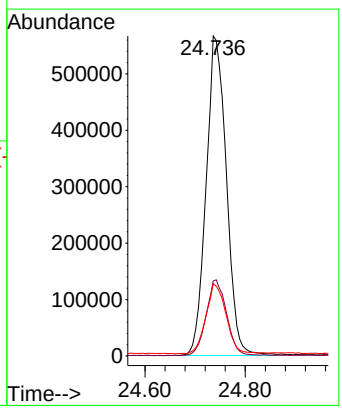




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.736 min Scan# 3706
Delta R.T. 0.018 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Tgt Ion:264 Resp: 1592939

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.4
265	22.6	17.4	26.0



Sample Results: **BP024894.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024894.D
Acq On : 10 Jun 2025 15:05
Operator : RC/JU
Sample : Q2176-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-65

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_P\Methods\8270E-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024894.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.773	305	312	323	rBV	359134	522609	4.33%	0.764%
2	5.237	384	391	412	rBV	3967121	5884616	48.81%	8.602%
3	6.814	652	659	688	rBV	3690358	6350807	52.67%	9.284%
4	7.608	786	794	803	rBV	948570	1500345	12.44%	2.193%
5	8.761	982	990	1010	rBV	2352530	4024994	33.38%	5.884%
6	10.378	1257	1265	1279	rBV	1265747	2182547	18.10%	3.190%
7	12.849	1678	1685	1712	rBV	5463747	8626369	71.55%	12.610%
8	14.248	1916	1923	1939	rBV	1852300	2932616	24.32%	4.287%
9	15.096	2056	2067	2075	rBV	62765	137660	1.14%	0.201%
10	15.637	2153	2159	2165	rBV	1187932	1474020	12.23%	2.155%
11	15.766	2175	2181	2202	rBV	5733814	8157440	67.66%	11.925%
12	17.048	2393	2399	2406	rBV2	2241726	3449250	28.61%	5.042%
13	17.748	2513	2518	2530	rBV2	216475	347396	2.88%	0.508%
14	17.995	2554	2560	2568	rBV	759652	1243177	10.31%	1.817%
15	18.054	2568	2570	2582	rVB	79994	158228	1.31%	0.231%
16	18.437	2630	2635	2640	rBV3	133001	194964	1.62%	0.285%
17	19.189	2758	2763	2773	rBV	197705	350490	2.91%	0.512%
18	19.331	2783	2787	2794	rBV3	180853	335131	2.78%	0.490%
19	19.560	2823	2826	2831	rBV	156292	202872	1.68%	0.297%
20	19.783	2858	2864	2875	rBV	9787868	12057080	100.00%	17.625%
21	21.160	3094	3098	3107	rBV2	314631	596044	4.94%	0.871%
22	21.483	3148	3153	3159	rBV2	2271181	3706506	30.74%	5.418%
23	24.736	3700	3706	3719	rVB	1416725	3973423	32.96%	5.808%

Sum of corrected areas: 68408584

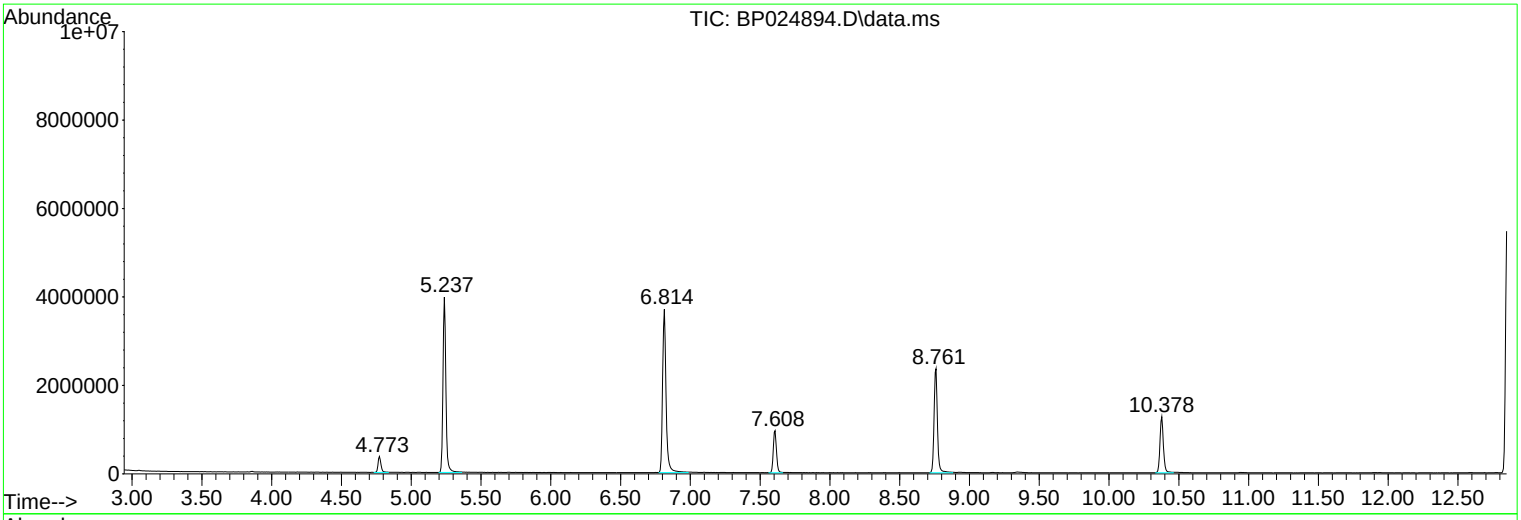
Sample Results: **BP024894.D**

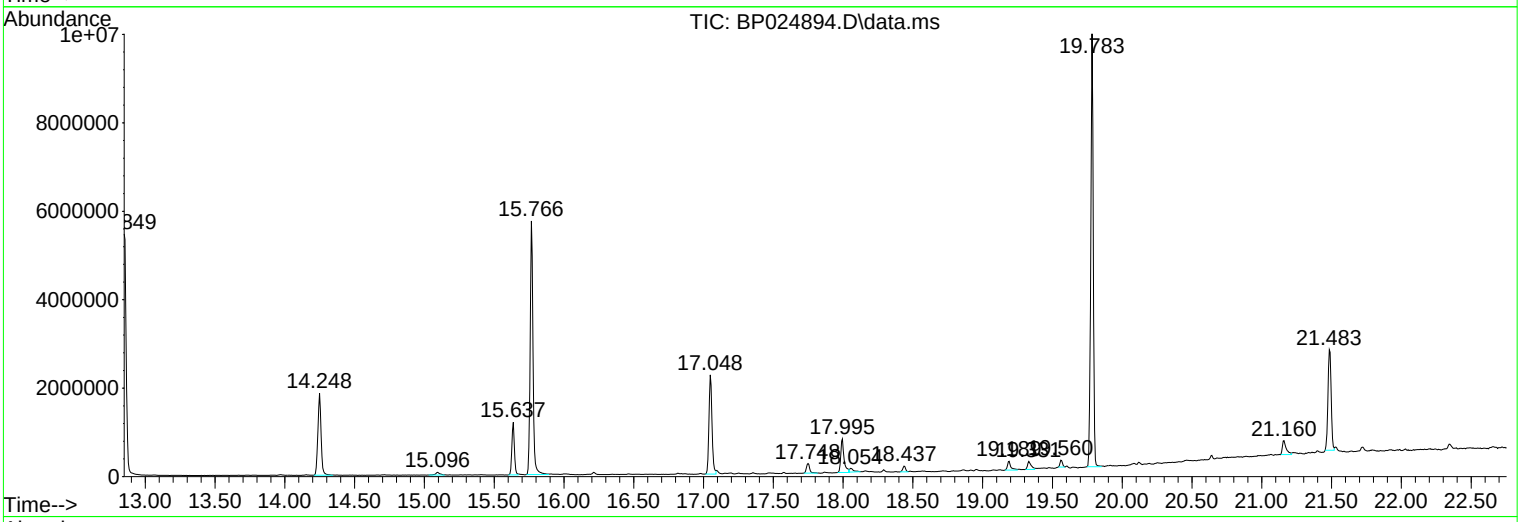
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024894.D
Acq On : 10 Jun 2025 15:05
Operator : RC/JU
Sample : Q2176-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

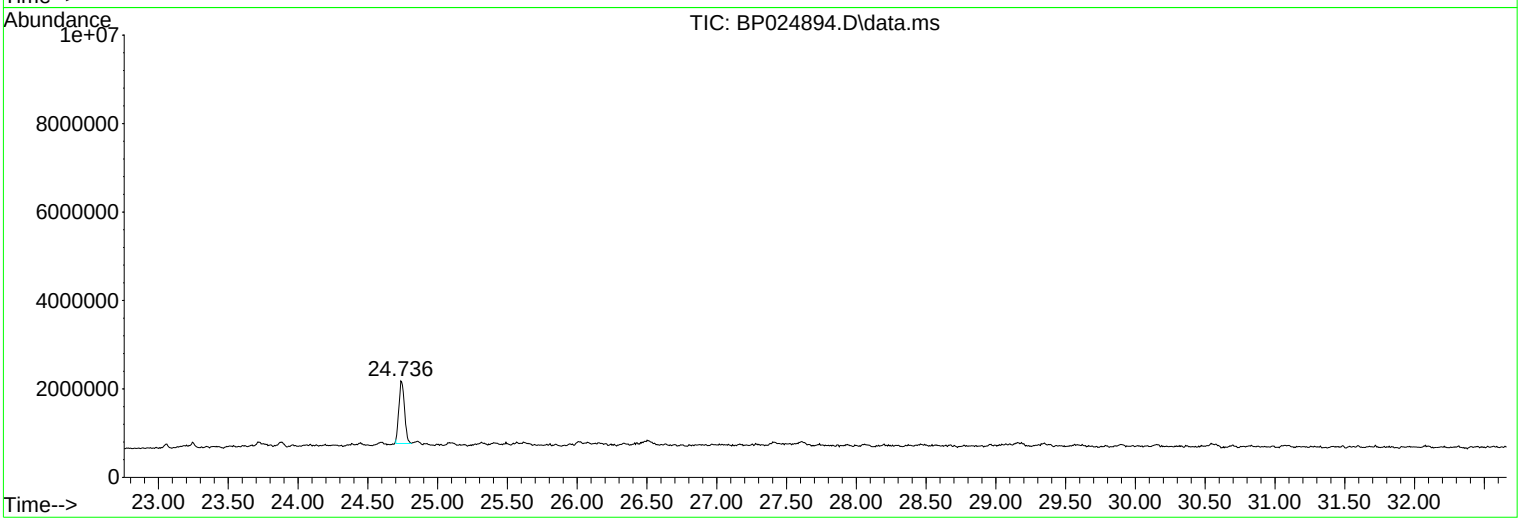
Instrument :
BNA_P
ClientSampleId :
TP-65

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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_P\Data\BP061025\
Data File : BP024894.D
Acq On : 10 Jun 2025 15:05
Operator : RC/JU
Sample : Q2176-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-65

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

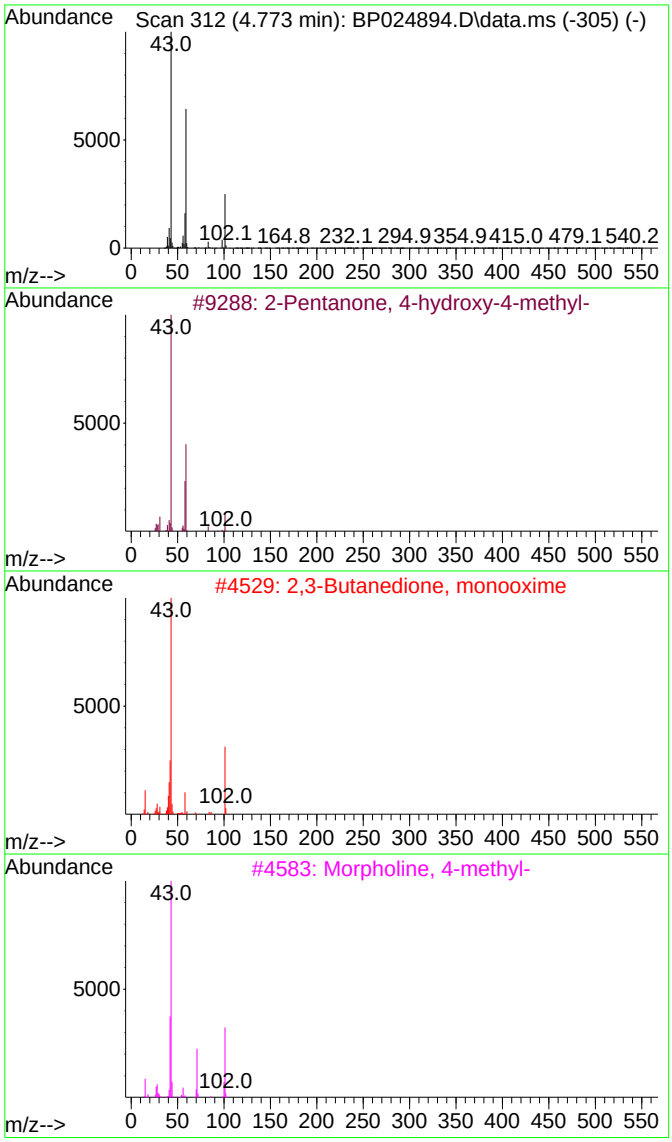
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

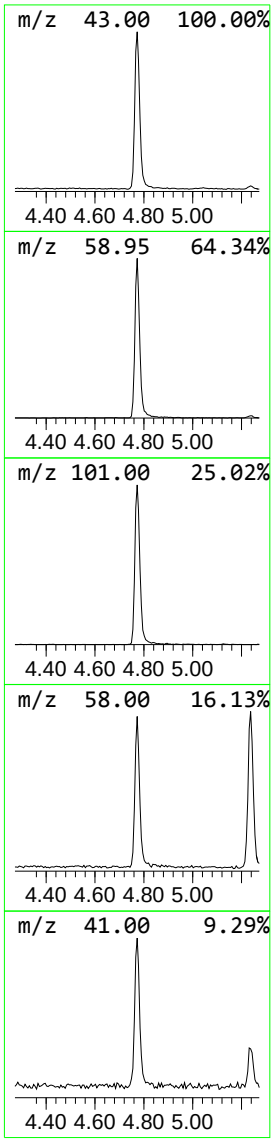
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.773	6.97 ng	522609	1,4-Dichlorobenzene-d4	7.608

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024894.D
Acq On : 10 Jun 2025 15:05
Operator : RC/JU
Sample : Q2176-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-65

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

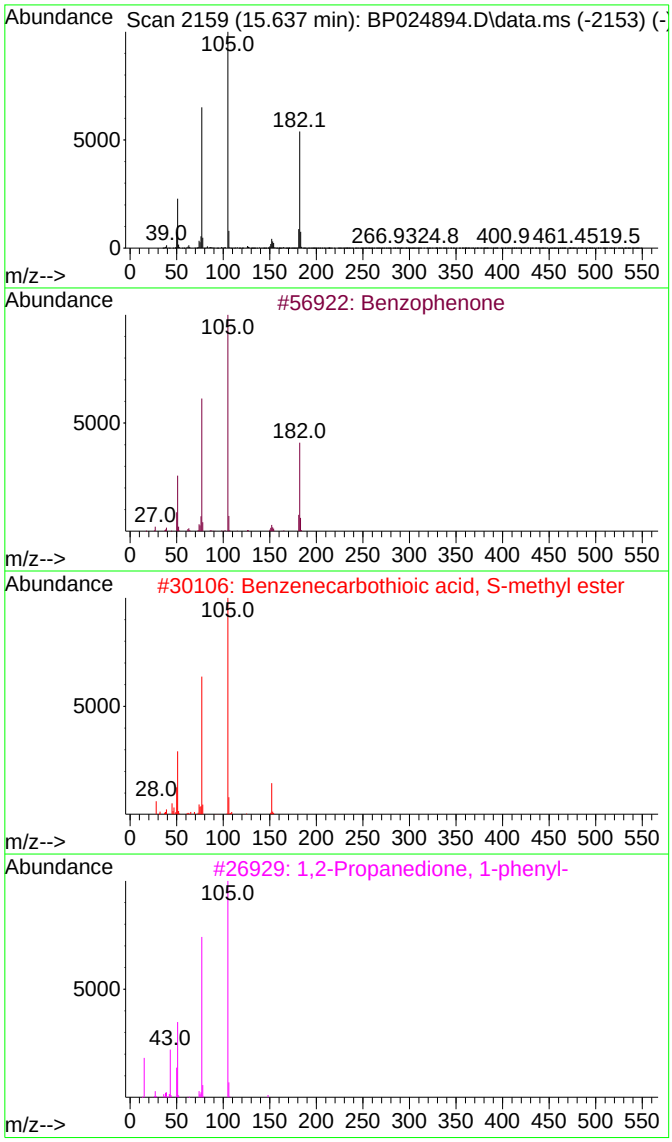
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

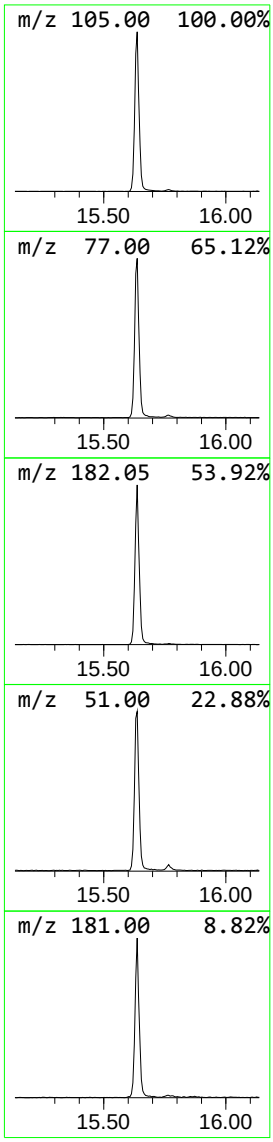
****

Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.637	10.05 ng	1474020	Acenaphthene-d10	14.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	50
3	1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47
4	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47
5	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024894.D
Acq On : 10 Jun 2025 15:05
Operator : RC/JU
Sample : Q2176-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-65

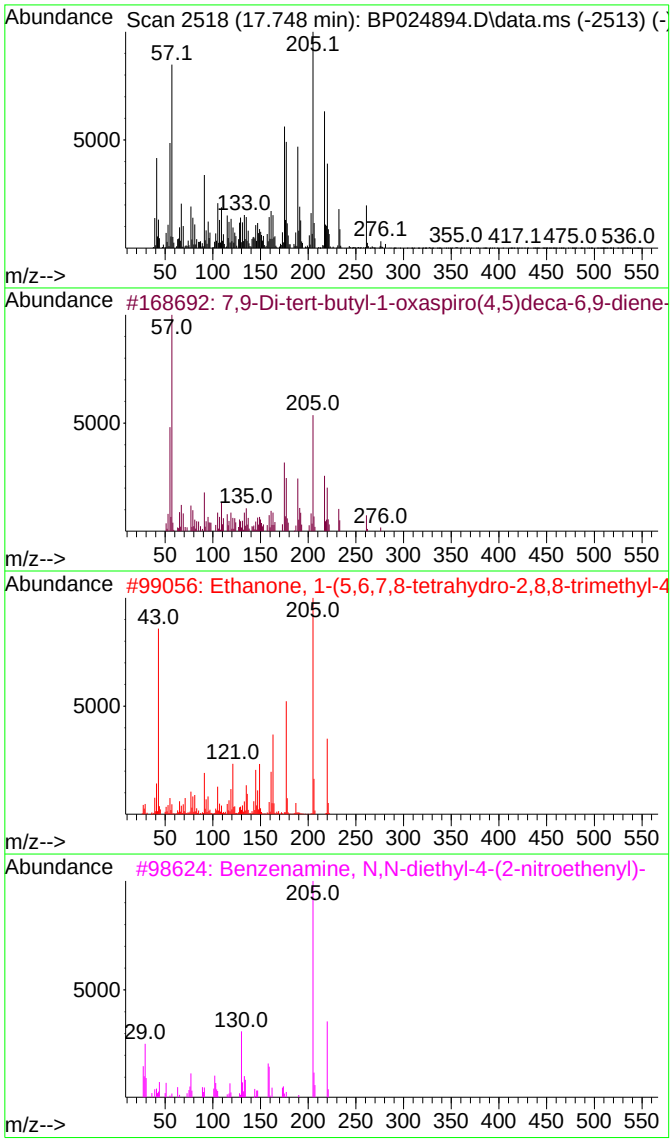
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

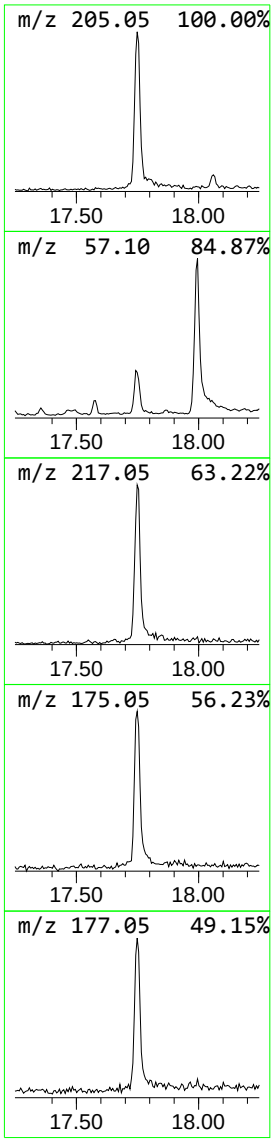
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 7,9-Di-tert-butyl-1-oxaspir... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.748	2.01 ng	347396	Phenanthrene-d10	17.048

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,9-Di-tert-butyl-1-oxaspiro(4,5...	276	C17H24O3	082304-66-3	99
2	Ethanone, 1-(5,6,7,8-tetrahydro-...	220	C14H20O2	071596-88-8	56
3	Benzenamine, N,N-diethyl-4-(2-ni...	220	C12H16N2O2	064462-51-7	55
4	1-(3-Amino-4,6-dimethylthieno[2,...	220	C11H12N2OS	052505-42-7	50
5	9-Acetylphenanthrene	220	C16H12O	002039-77-2	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024894.D
Acq On : 10 Jun 2025 15:05
Operator : RC/JU
Sample : Q2176-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-65

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

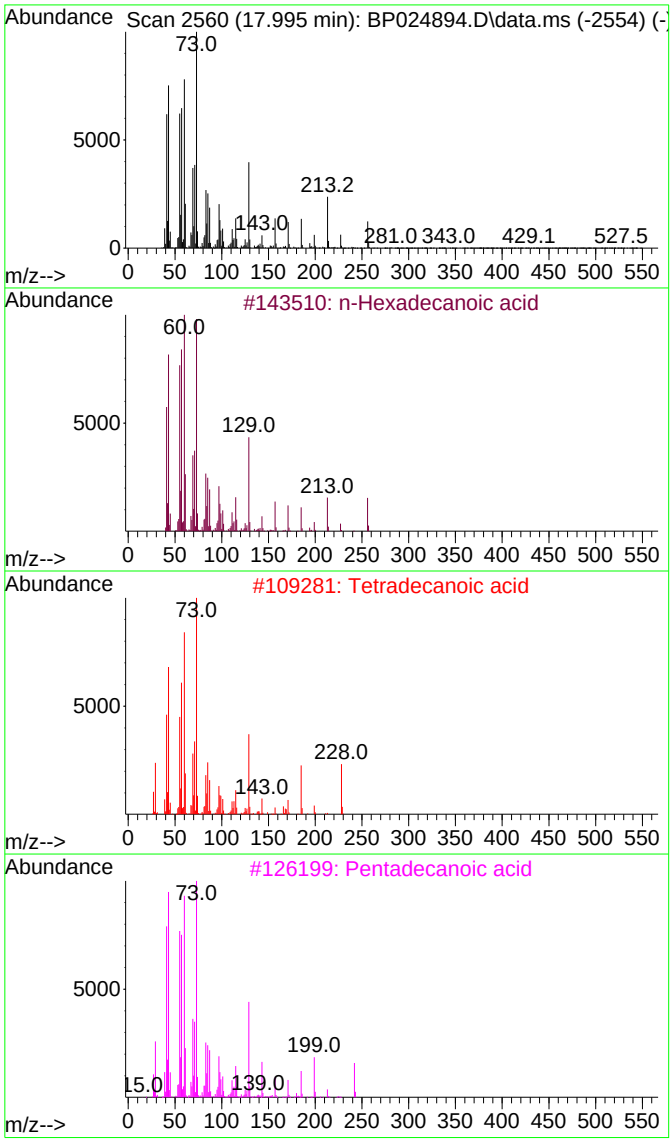
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

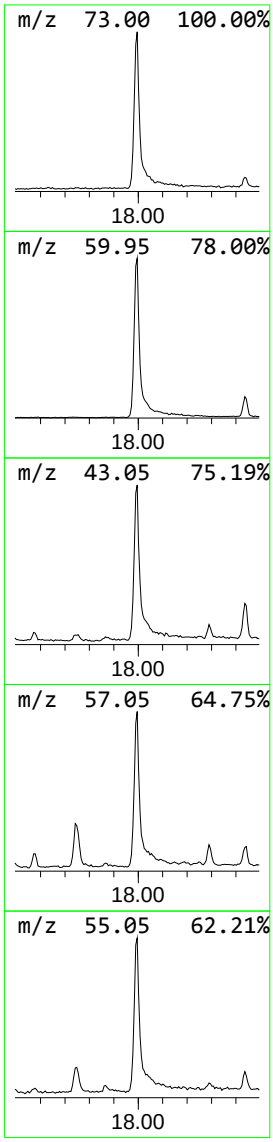
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.995	7.21 ng	1243180	Phenanthrene-d10	17.048

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	94
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Tridecanoic acid	214	C13H26O2	000638-53-9	90
5	n-Decanoic acid	172	C10H20O2	000334-48-5	70





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Data File : BP024894.D
Acq On : 10 Jun 2025 15:05
Operator : RC/JU
Sample : Q2176-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-65

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

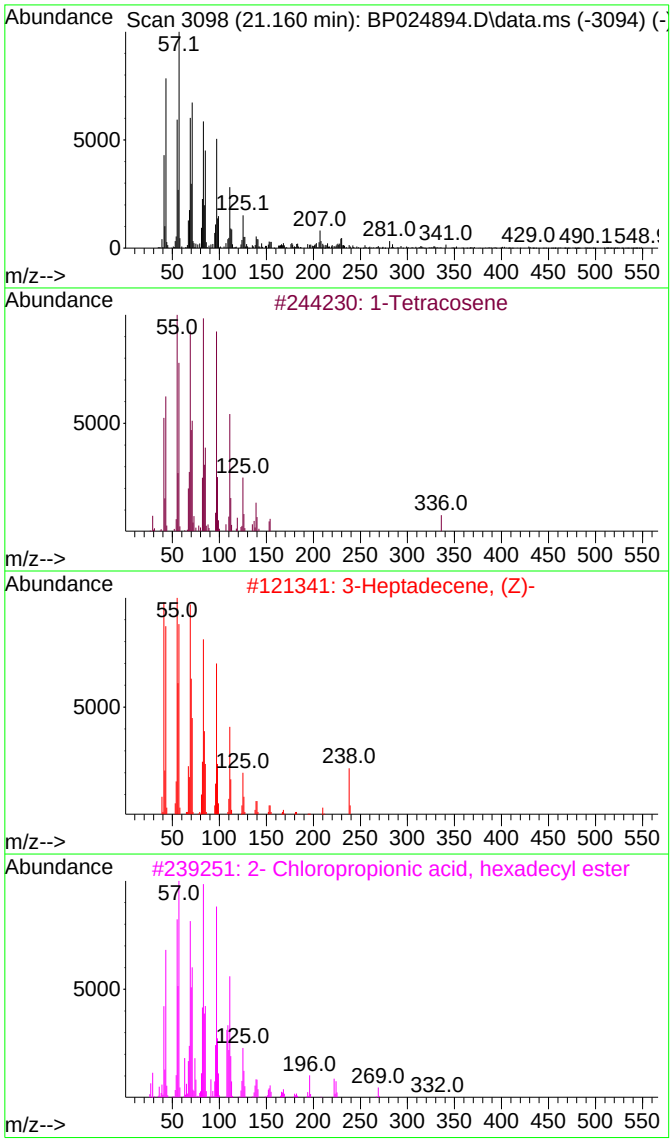
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

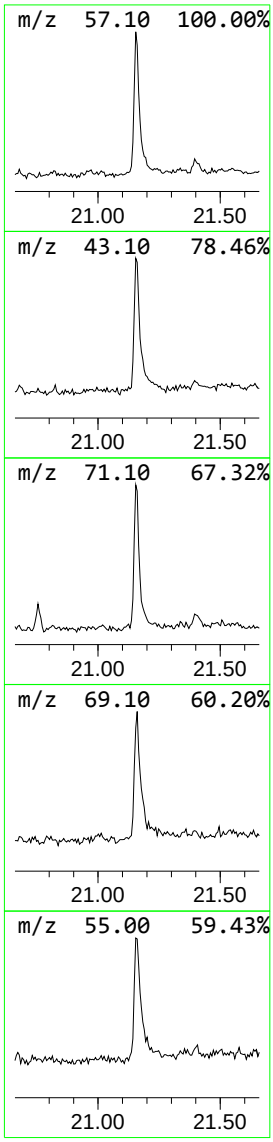
****

Peak Number 6 1-Tetracosene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.160	3.22 ng	596044	Chrysene-d12	21.483

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Tetracosene	336	C24H48	010192-32-2	96
2	3-Heptadecene, (Z)-	238	C17H34	1000141-67-3	95
3	2- Chloropropionic acid, hexadec...	332	C19H37ClO2	086711-81-1	93
4	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	93
5	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	91





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Data File : BP024894.D
Acq On : 10 Jun 2025 15:05
Operator : RC/JU
Sample : Q2176-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-65

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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-...	4.773	7.0	ng	522609	1	7.608	1500350	20.0
Benzophenone	15.637	10.1	ng	1474020	3	14.249	2932620	20.0
7,9-Di-tert-but...	17.748	2.0	ng	347396	4	17.048	3449250	20.0
n-Hexadecanoic ...	17.995	7.2	ng	1243180	4	17.048	3449250	20.0
1-Tetracosene	21.160	3.2	ng	596044	5	21.483	3706510	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142603.D
Acq On : 04 Jun 2025 13:05
Operator : RC/JU
Sample : PB168234BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168234BL

Quant Time: Jun 04 13:37:53 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

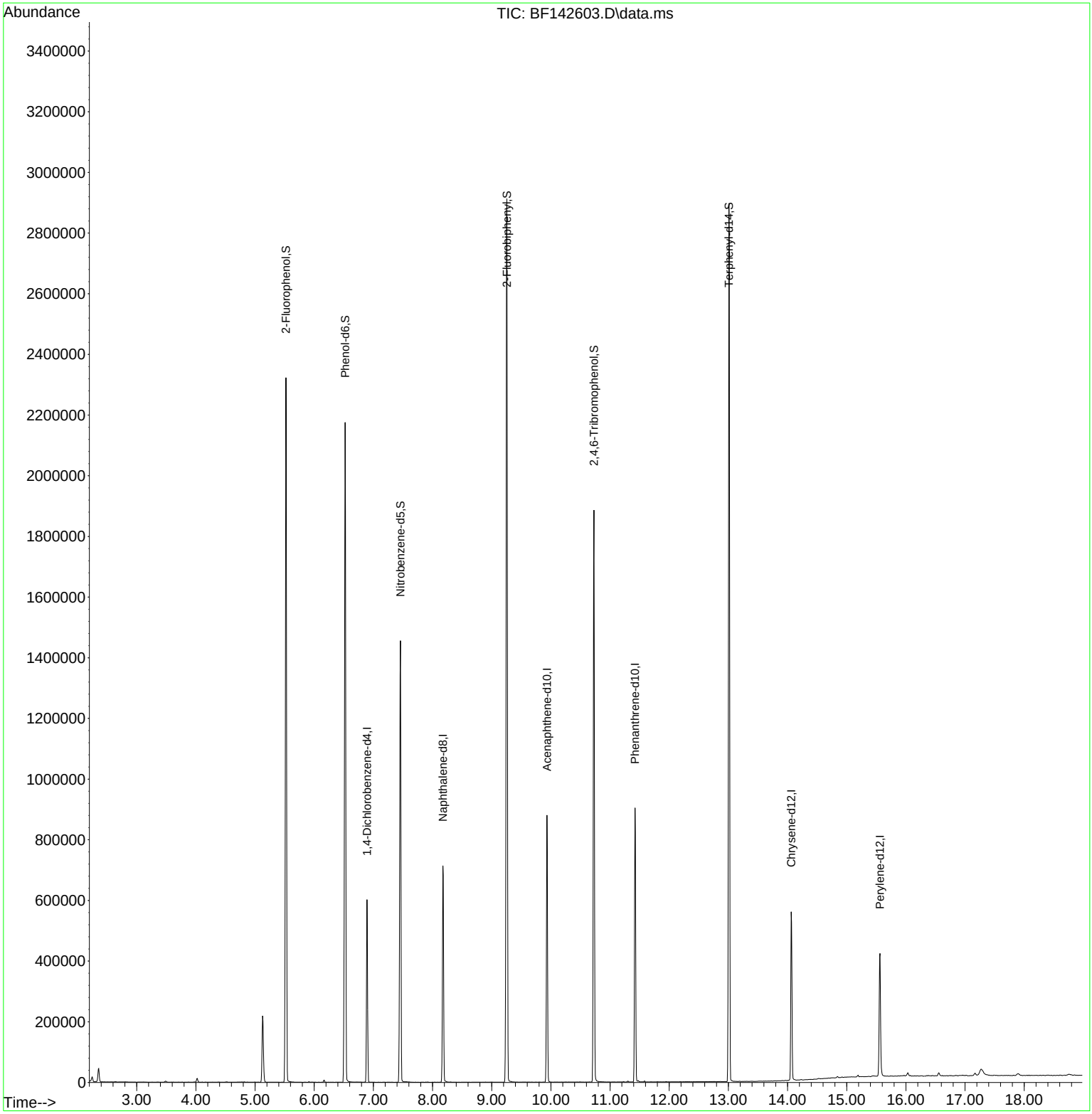
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	131273	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	500088	20.000	ng	-0.01
39) Acenaphthene-d10	9.934	164	273312	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	477318	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	281764	20.000	ng	#-0.01
86) Perylene-d12	15.563	264	248996	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	931257	119.517	ng	0.00
7) Phenol-d6	6.522	99	1120166	119.427	ng	-0.01
23) Nitrobenzene-d5	7.457	82	690335	75.273	ng	-0.02
42) 2,4,6-Tribromophenol	10.728	330	355604	117.229	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1463491	71.852	ng	-0.01
79) Terphenyl-d14	13.010	244	1487213	72.129	ng	0.00
Target Compounds						Qvalue

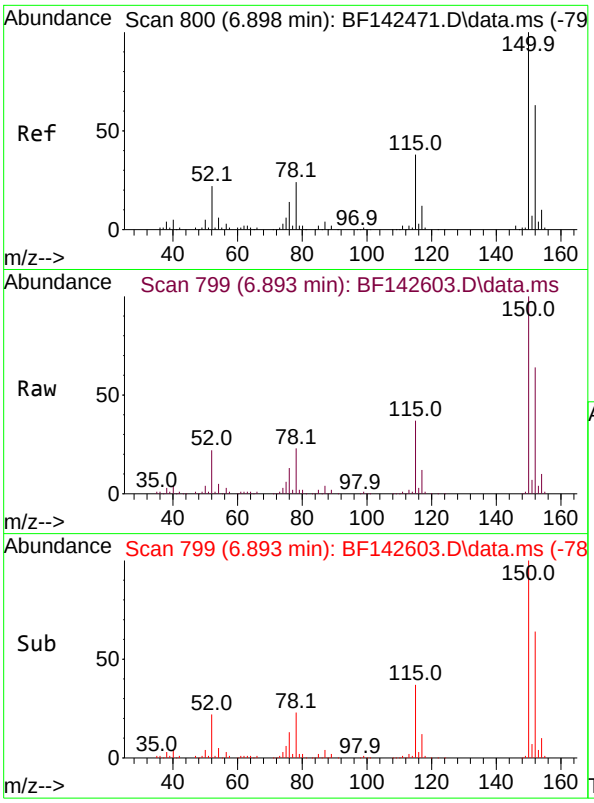
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142603.D
Acq On : 04 Jun 2025 13:05
Operator : RC/JU
Sample : PB168234BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168234BL

Quant Time: Jun 04 13:37:53 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



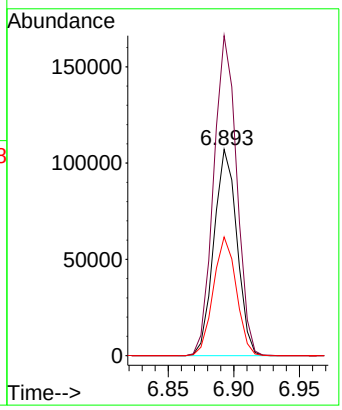


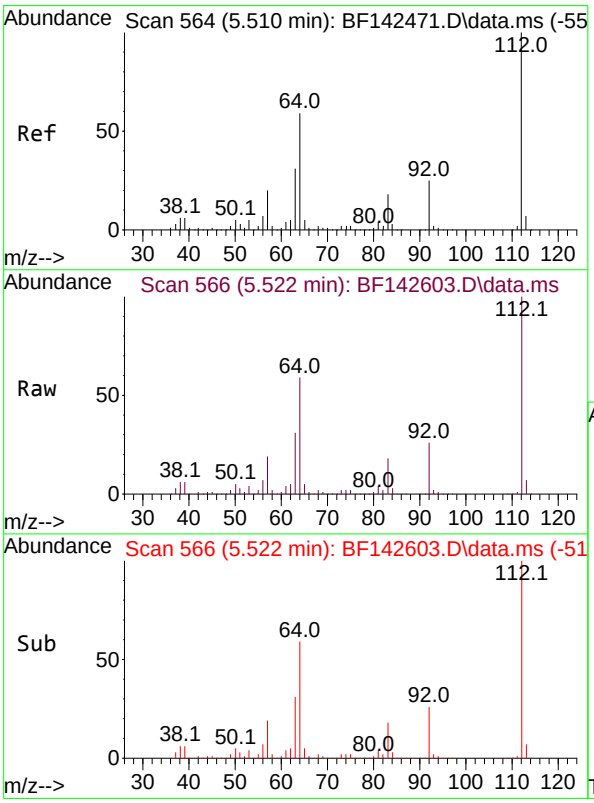
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF142603.D
Acq: 04 Jun 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB168234BL

Tgt Ion:152 Resp: 131273

Ion	Ratio	Lower	Upper
152	100		
150	155.2	128.2	192.4
115	57.5	48.3	72.5

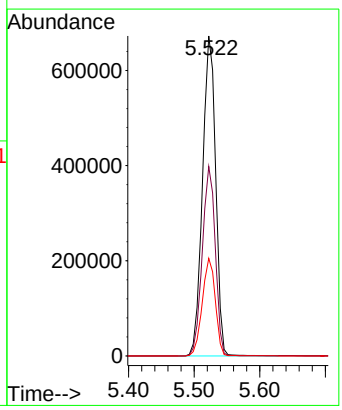


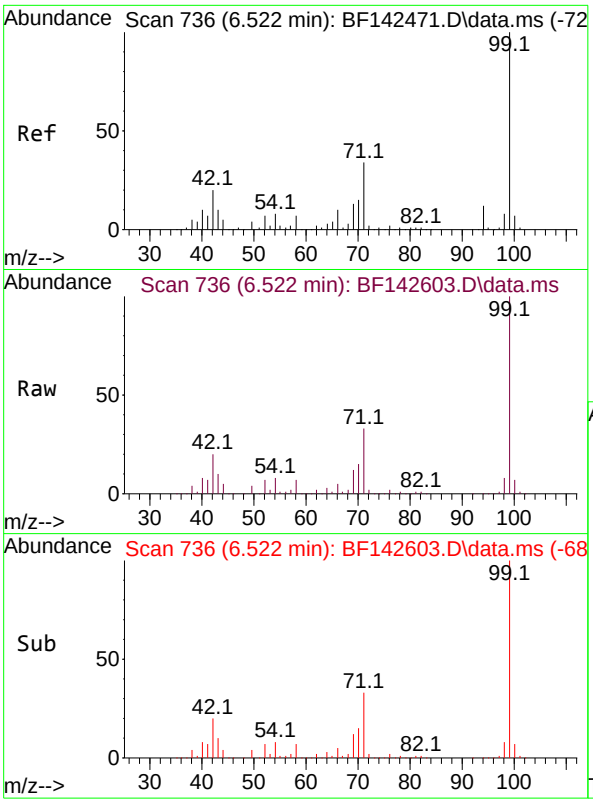


#5
2-Fluorophenol
Concen: 119.517 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.006 min
Lab File: BF142603.D
Acq: 04 Jun 2025 13:05

Tgt Ion:112 Resp: 931257

Ion	Ratio	Lower	Upper
112	100		
64	59.2	47.5	71.3
63	30.5	24.9	37.3



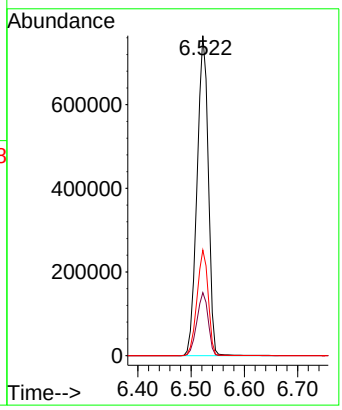


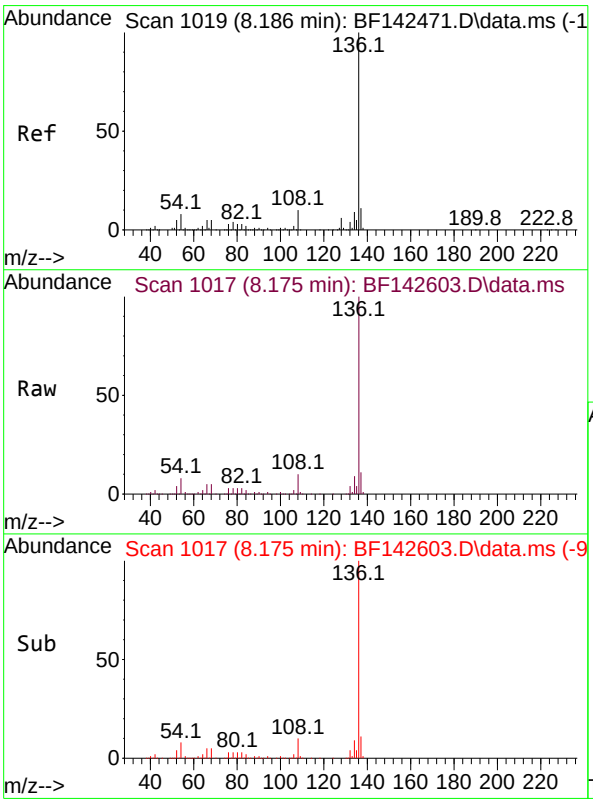
#7
Phenol-d6
Concen: 119.427 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142603.D
Acq: 04 Jun 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB168234BL

Tgt Ion: 99 Resp: 1120166

Ion	Ratio	Lower	Upper
99	100		
42	19.7	16.2	24.2
71	33.0	27.3	40.9

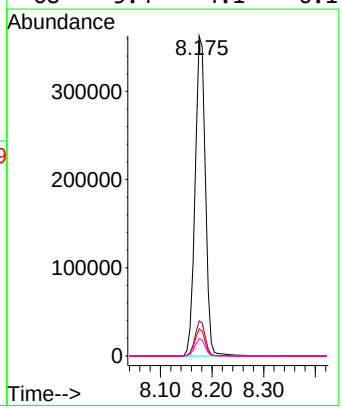


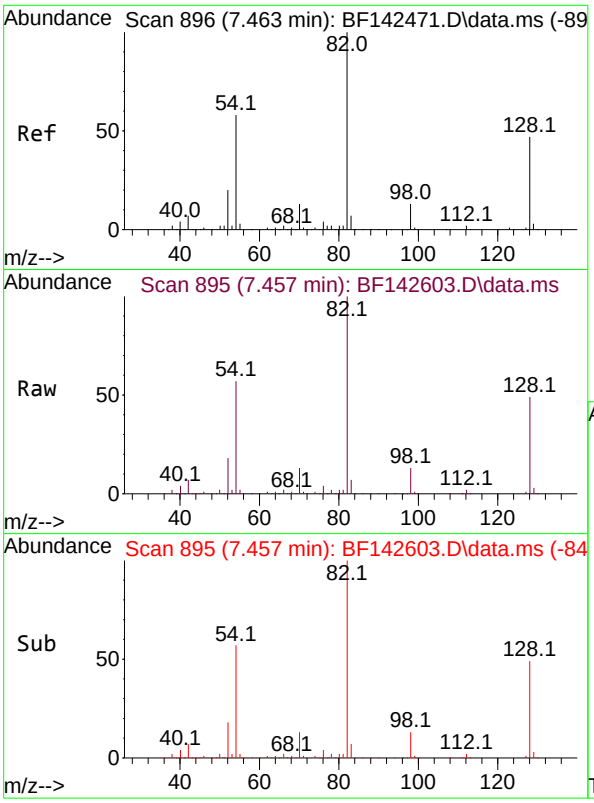


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142603.D
Acq: 04 Jun 2025 13:05

Tgt Ion:136 Resp: 500088

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.5	6.6	10.0
68	5.4	4.1	6.1



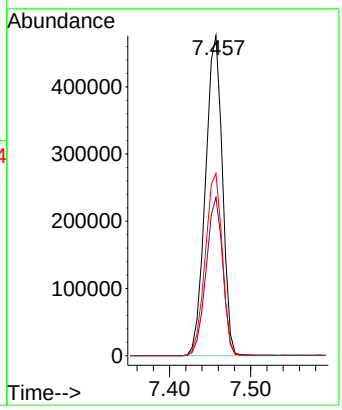


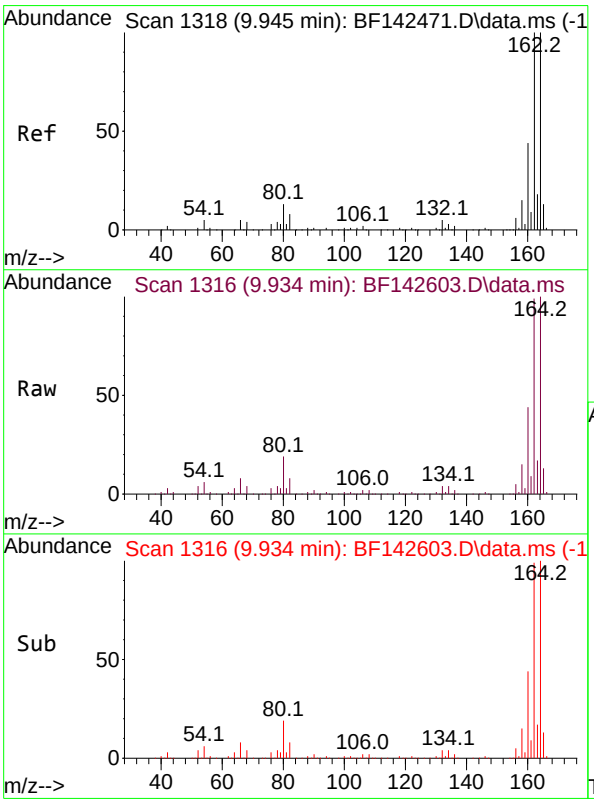
#23
Nitrobenzene-d5
Concen: 75.273 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.017 min
Lab File: BF142603.D
Acq: 04 Jun 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB168234BL

Tgt Ion: 82 Resp: 690335

Ion	Ratio	Lower	Upper
82	100		
128	49.4	37.4	56.2
54	56.9	46.6	70.0

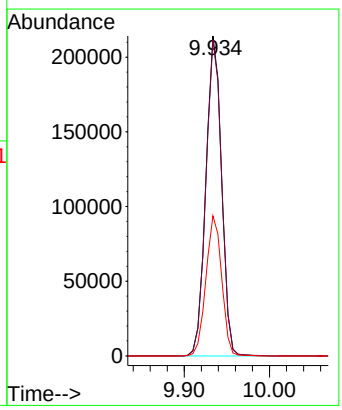


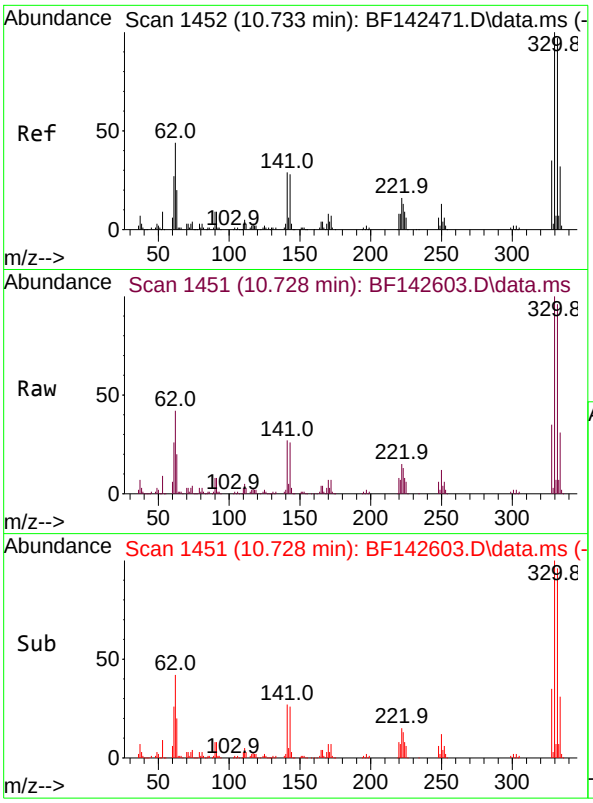


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142603.D
Acq: 04 Jun 2025 13:05

Tgt Ion:164 Resp: 273312

Ion	Ratio	Lower	Upper
164	100		
162	98.7	80.2	120.4
160	43.8	35.6	53.4



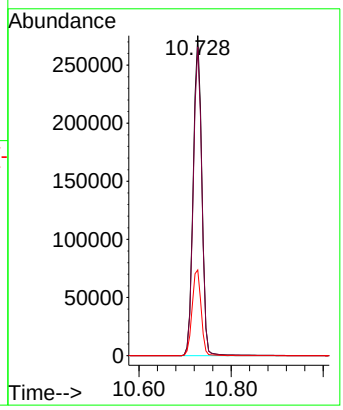


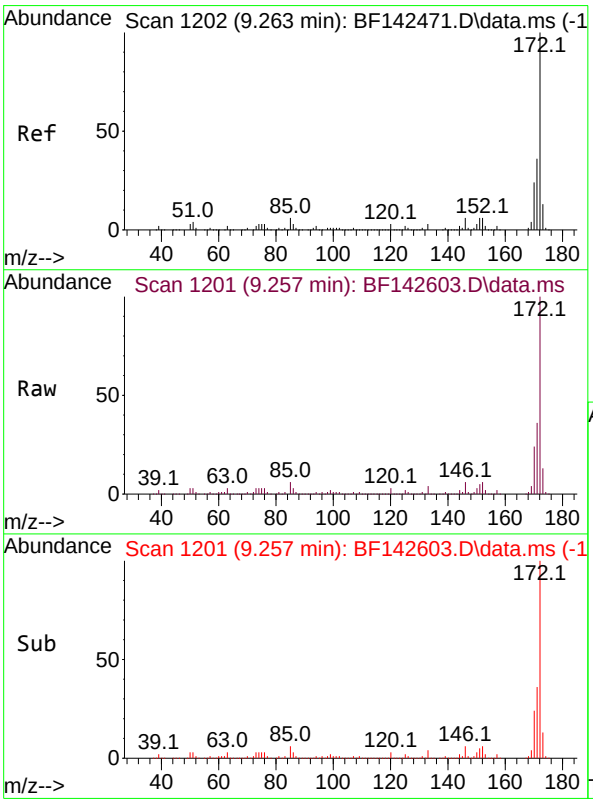
#42
2,4,6-Tribromophenol
Concen: 117.229 ng
RT: 10.728 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142603.D
Acq: 04 Jun 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB168234BL

Tgt Ion:330 Resp: 355604

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.6	116.4
141	28.1	24.6	36.8

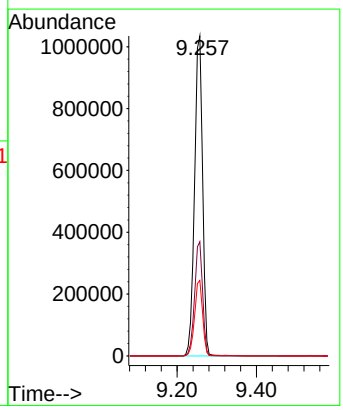


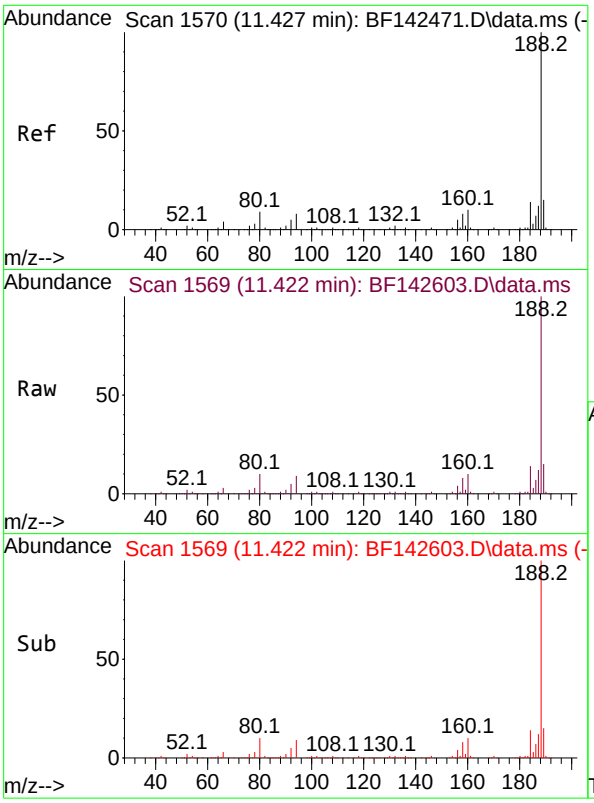


#45
2-Fluorobiphenyl
Concen: 71.852 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142603.D
Acq: 04 Jun 2025 13:05

Tgt Ion:172 Resp: 1463491

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	42.8
170	23.6	18.9	28.3



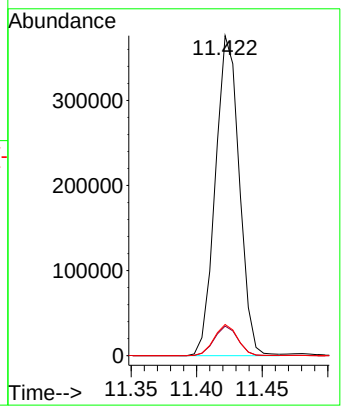


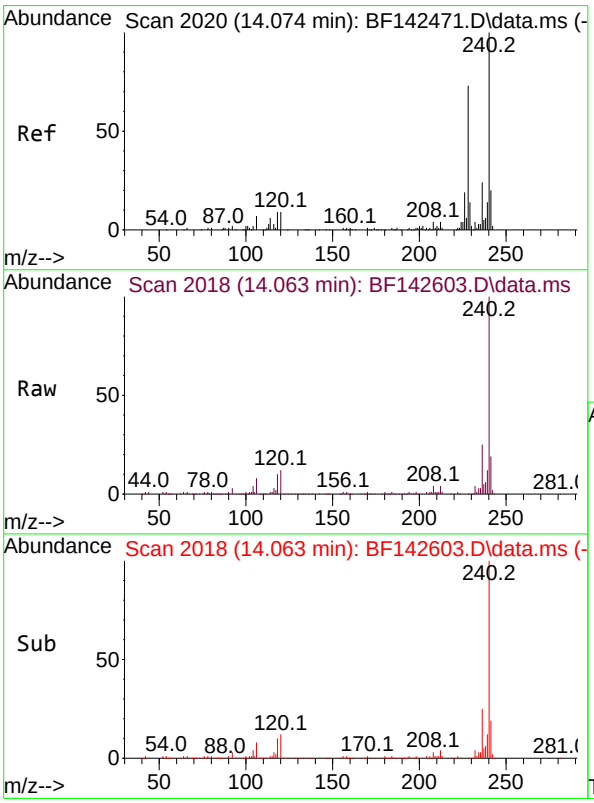
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142603.D
Acq: 04 Jun 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB168234BL

Tgt Ion:188 Resp: 477318

Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.6	10.0
80	9.7	7.4	11.0

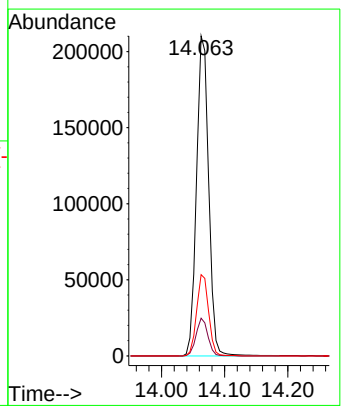


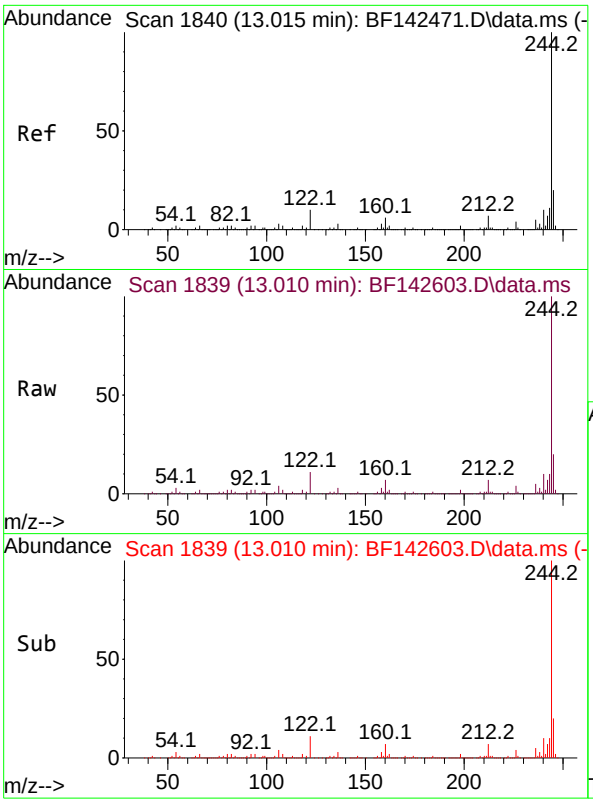


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142603.D
Acq: 04 Jun 2025 13:05

Tgt Ion:240 Resp: 281764

Ion	Ratio	Lower	Upper
240	100		
120	11.8	7.5	11.3#
236	25.4	19.6	29.4



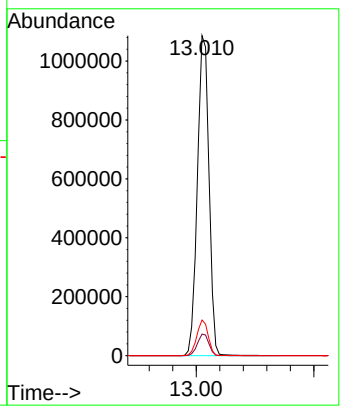


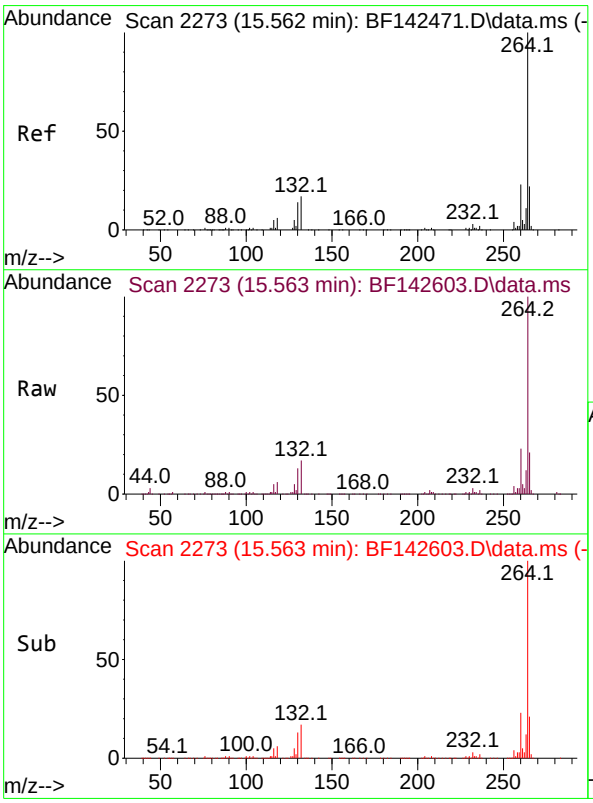
#79
Terphenyl-d14
Concen: 72.129 ng
RT: 13.010 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF142603.D
Acq: 04 Jun 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB168234BL

Tgt Ion:244 Resp: 1487213

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	11.1	8.2	12.2

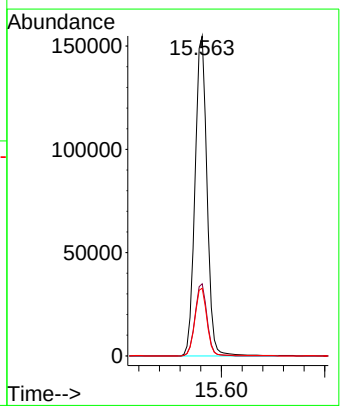




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142603.D
Acq: 04 Jun 2025 13:05

Tgt Ion:264 Resp: 248996

Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.6	28.0
265	21.1	17.7	26.5



Sample Results: **BF142603.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142603.D
Acq On : 04 Jun 2025 13:05
Operator : RC/JU
Sample : PB168234BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168234BL

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: BF142603.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.358	20	28	35	rVB	43847	72235	1.76%	0.292%
2	5.128	493	499	513	rVB	218929	357775	8.72%	1.445%
3	5.522	559	566	571	rBV	2322786	3190027	77.75%	12.884%
4	6.522	729	736	741	rBV	2175786	3175289	77.39%	12.824%
5	6.893	794	799	804	rBV	601426	732522	17.85%	2.959%
6	7.457	888	895	900	rBV	1455657	2103427	51.27%	8.495%
7	8.175	1011	1017	1032	rBV	713868	974545	23.75%	3.936%
8	9.257	1193	1201	1206	rBV	2912256	4102934	100.00%	16.571%
9	9.934	1310	1316	1328	rVB	880118	1120856	27.32%	4.527%
10	10.728	1445	1451	1456	rBV	1885428	2483474	60.53%	10.030%
11	11.422	1564	1569	1576	rBV	903571	1144675	27.90%	4.623%
12	13.010	1833	1839	1845	rBV	2895090	3910162	95.30%	15.792%
13	14.063	2013	2018	2033	rVB	555040	733155	17.87%	2.961%
14	15.563	2266	2273	2287	rVB	404520	658834	16.06%	2.661%

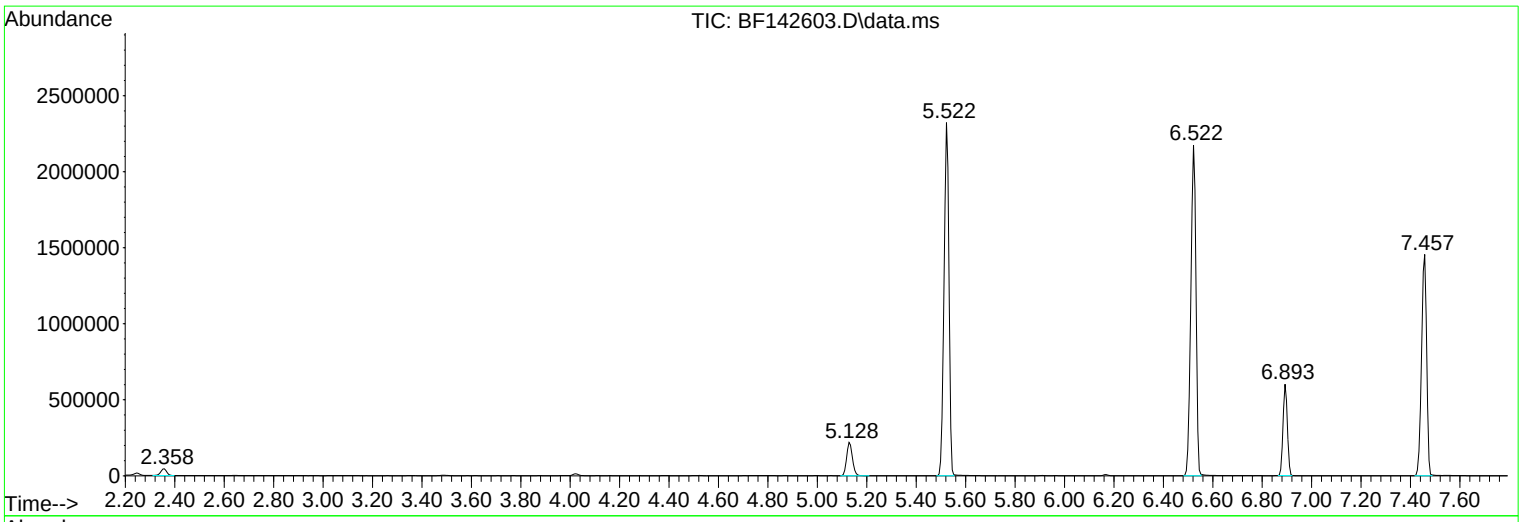
Sum of corrected areas: 24759910

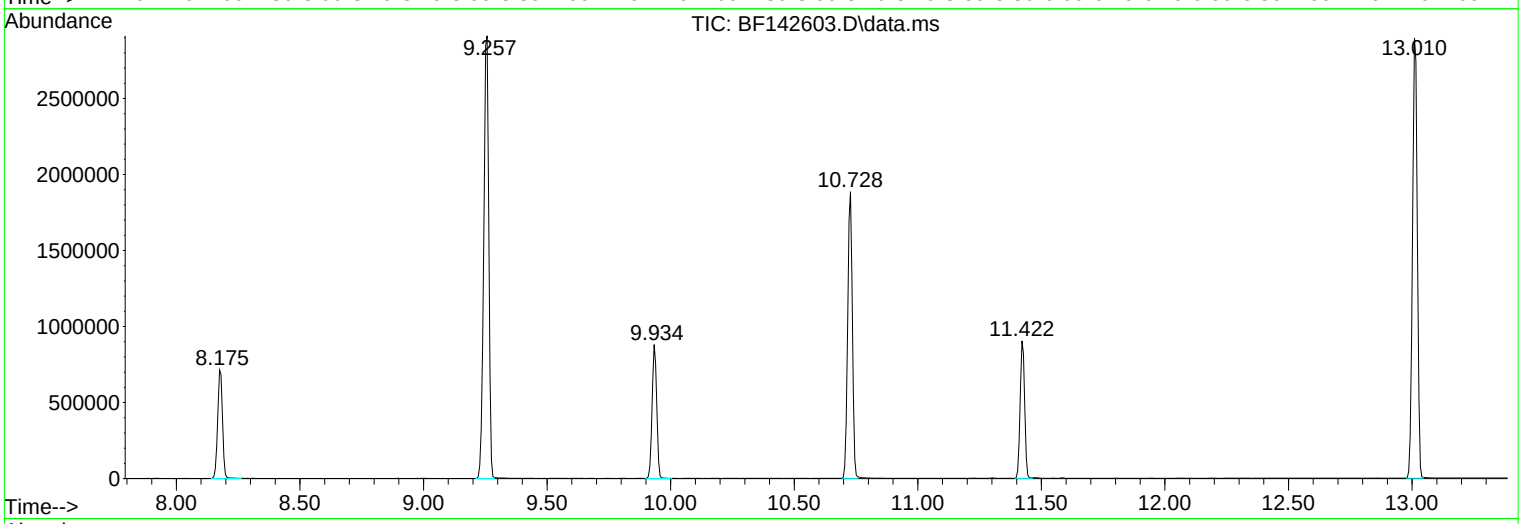
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142603.D
Acq On : 04 Jun 2025 13:05
Operator : RC/JU
Sample : PB168234BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

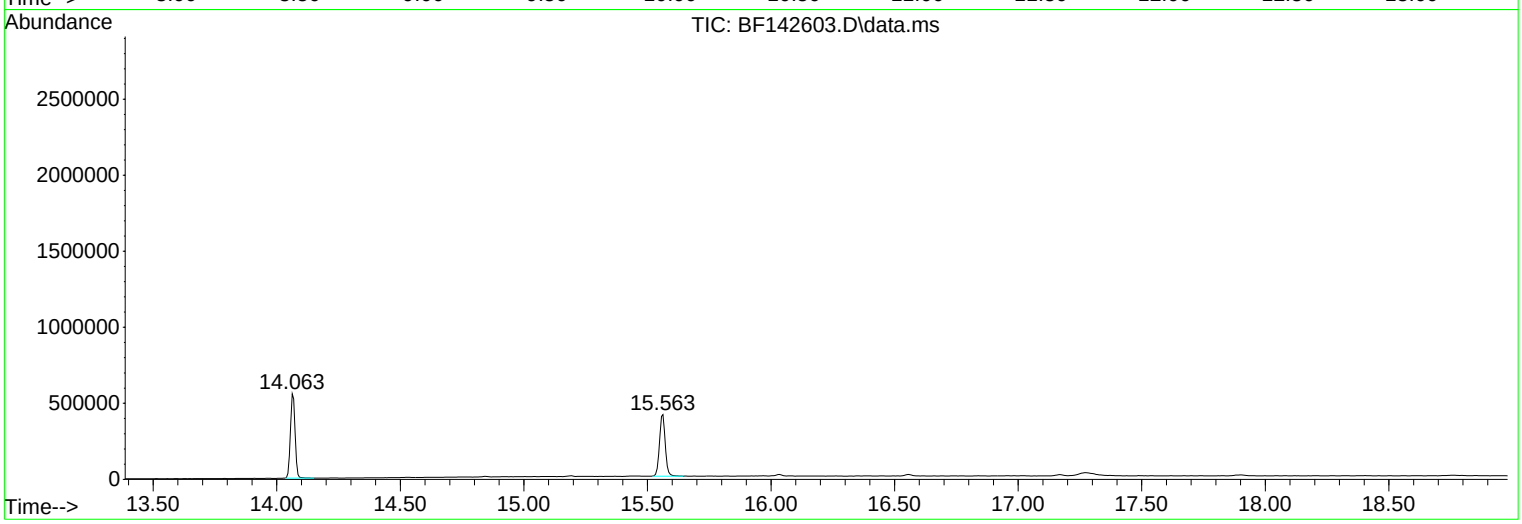
Instrument :
BNA_F
ClientSampleId :
PB168234BL

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\BF060425\
Data File : BF142603.D
Acq On : 04 Jun 2025 13:05
Operator : RC/JU
Sample : PB168234BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168234BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

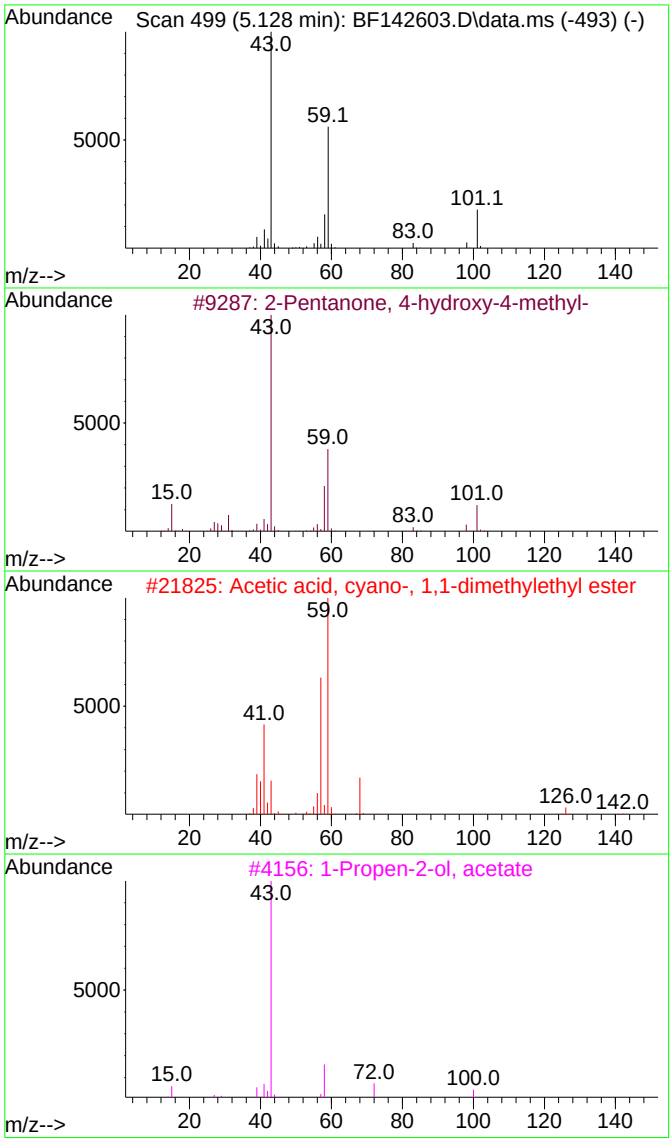
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

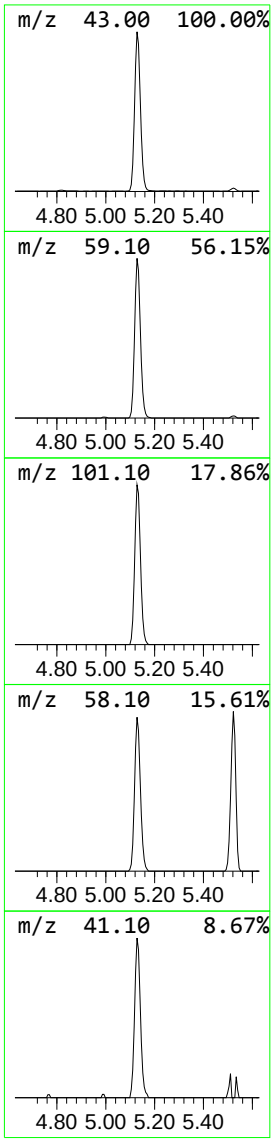
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.128	9.77 ng	357775	1,4-Dichlorobenzene-d4	6.893

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\BF060425\
Data File : BF142603.D
Acq On : 04 Jun 2025 13:05
Operator : RC/JU
Sample : PB168234BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168234BL

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	9.8	ng	357775	1	6.893	732522	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142726.D
Acq On : 11 Jun 2025 10:51
Operator : RC/JU
Sample : PB168234BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168234BS

Quant Time: Jun 11 11:39:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	83192	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	318279	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	176454	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	298489	20.000	ng	0.00
76) Chrysene-d12	14.069	240	155305	20.000	ng	0.00
86) Perylene-d12	15.563	264	159844	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	584197	119.599	ng	0.02
7) Phenol-d6	6.528	99	691853	120.354	ng	0.00
23) Nitrobenzene-d5	7.457	82	441985	75.999	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	238472	123.311	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	984029	74.089	ng	0.00
79) Terphenyl-d14	13.010	244	911215	80.583	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.763	88	68122	35.240	ng	99
3) Pyridine	3.516	79	188401	38.870	ng	100
4) n-Nitrosodimethylamine	3.475	42	107977	43.540	ng	100
6) Aniline	6.557	93	201688	26.214	ng	96
8) 2-Chlorophenol	6.675	128	236557	44.316	ng	100
9) Benzaldehyde	6.440	77	116066	32.604	ng	98
10) Phenol	6.540	94	269986	42.254	ng	95
11) bis(2-Chloroethyl)ether	6.628	93	206382	43.243	ng	100
12) 1,3-Dichlorobenzene	6.834	146	256435	42.095	ng	99
13) 1,4-Dichlorobenzene	6.910	146	258872	42.048	ng	100
14) 1,2-Dichlorobenzene	7.063	146	246901	41.837	ng	99
15) Benzyl Alcohol	7.034	79	196868	45.311	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.163	45	313231	41.685	ng	90
17) 2-Methylphenol	7.145	107	184321	45.042	ng	99
18) Hexachloroethane	7.404	117	92683	42.008	ng	98
19) n-Nitroso-di-n-propyla...	7.310	70	156371	42.729	ng	99
20) 3+4-Methylphenols	7.298	107	229683	44.520	ng	98
22) Acetophenone	7.304	105	311295	43.969	ng	98
24) Nitrobenzene	7.475	77	232002	44.948	ng	97
25) Isophorone	7.716	82	428493	43.516	ng	99
26) 2-Nitrophenol	7.793	139	133453	46.328	ng	99
27) 2,4-Dimethylphenol	7.828	122	219710	44.798	ng	99
28) bis(2-Chloroethoxy)met...	7.922	93	270365	44.224	ng	99
29) 2,4-Dichlorophenol	8.034	162	208108	45.979	ng	98
30) 1,2,4-Trichlorobenzene	8.116	180	218563	43.700	ng	99
31) Naphthalene	8.198	128	689361	43.794	ng	99
32) Benzoic acid	7.957	122	138145	50.015	ng	100
33) 4-Chloroaniline	8.245	127	65521m	10.367	ng	
34) Hexachlorobutadiene	8.316	225	138408	43.427	ng	99
35) Caprolactam	8.622	113	62727m	51.341	ng	
36) 4-Chloro-3-methylphenol	8.734	107	212482	45.148	ng	100
37) 2-Methylnaphthalene	8.892	142	438004	43.962	ng	100
38) 1-Methylnaphthalene	8.992	142	450044	43.604	ng	98
40) 1,2,4,5-Tetrachloroben...	9.057	216	222525	43.572	ng	99
41) Hexachlorocyclopentadiene	9.045	237	288961	88.156	ng	98
43) 2,4,6-Trichlorophenol	9.169	196	154341	46.686	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142726.D
Acq On : 11 Jun 2025 10:51
Operator : RC/JU
Sample : PB168234BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168234BS

Quant Time: Jun 11 11:39:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

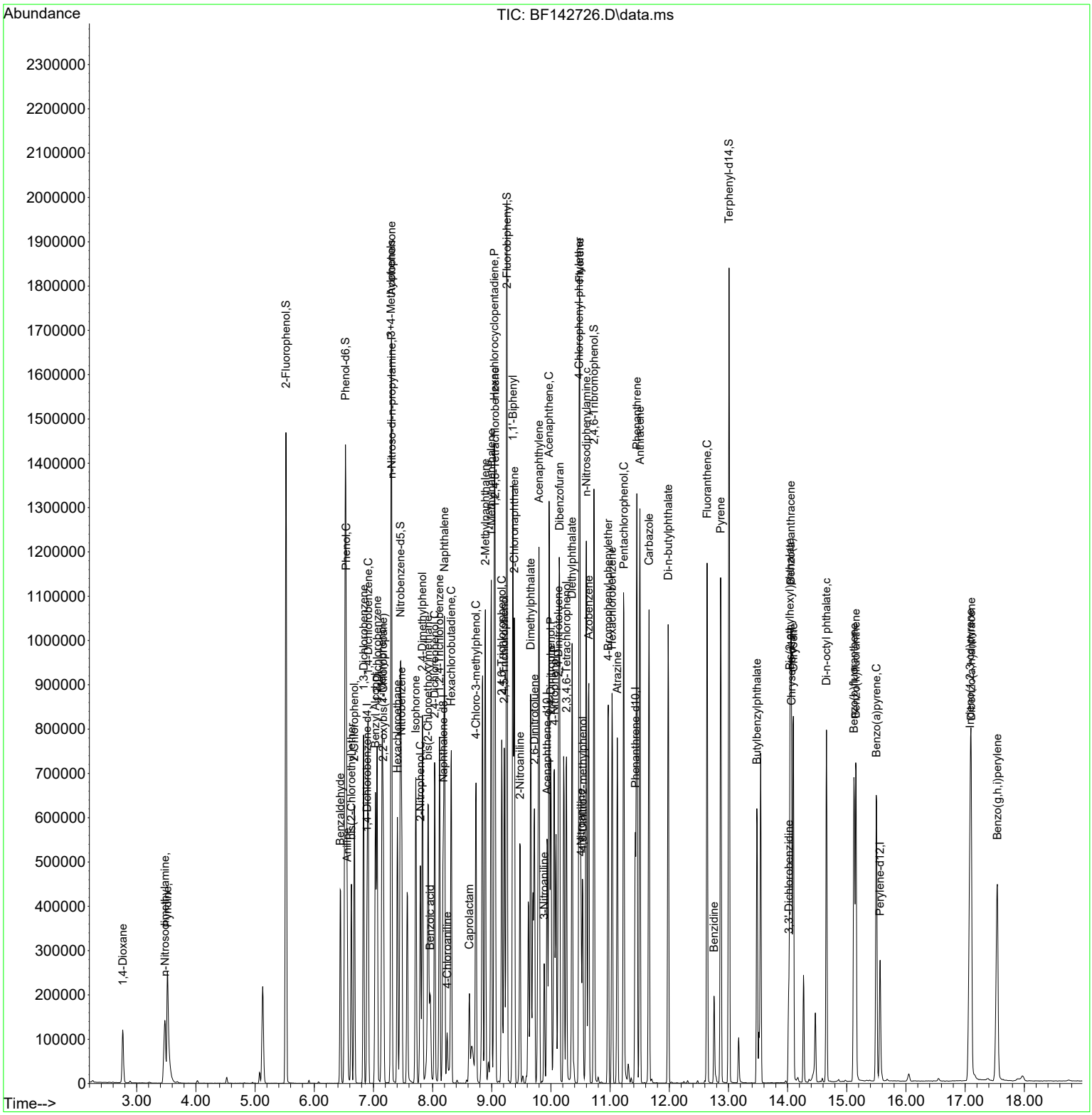
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	160942	45.074	ng	97
46) 1,1'-Biphenyl	9.357	154	606260	44.246	ng	100
47) 2-Chloronaphthalene	9.381	162	443000	43.885	ng	100
48) 2-Nitroaniline	9.475	65	130604	45.490	ng	100
49) Acenaphthylene	9.798	152	751339	44.143	ng	100
50) Dimethylphthalate	9.657	163	544106	46.176	ng	100
51) 2,6-Dinitrotoluene	9.722	165	116765	45.850	ng	97
52) Acenaphthene	9.969	154	521862m	49.451	ng	
53) 3-Nitroaniline	9.886	138	62297	22.553	ng	100
54) 2,4-Dinitrophenol	9.998	184	152241	109.132	ng	92
55) Dibenzofuran	10.145	168	661023	43.987	ng	99
56) 4-Nitrophenol	10.057	139	185324	98.923	ng	99
57) 2,4-Dinitrotoluene	10.128	165	160597	47.695	ng	96
58) Fluorene	10.486	166	523139	44.083	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.263	232	136952	45.590	ng	99
60) Diethylphthalate	10.357	149	541870	46.377	ng	100
61) 4-Chlorophenyl-phenyle...	10.475	204	254023	43.831	ng	100
62) 4-Nitroaniline	10.510	138	114731	46.428	ng	99
63) Azobenzene	10.639	77	458707	44.952	ng	98
65) 4,6-Dinitro-2-methylph...	10.539	198	92727	49.608	ng	96
66) n-Nitrosodiphenylamine	10.598	169	457115	44.552	ng	99
67) 4-Bromophenyl-phenylether	10.969	248	159695	45.325	ng	99
68) Hexachlorobenzene	11.033	284	175582	44.895	ng	100
69) Atrazine	11.122	200	137490	50.262	ng	99
70) Pentachlorophenol	11.233	266	194889	95.063	ng	98
71) Phenanthrene	11.451	178	716195	44.787	ng	100
72) Anthracene	11.504	178	733408	44.335	ng	100
73) Carbazole	11.657	167	636667	45.973	ng	100
74) Di-n-butylphthalate	11.980	149	755120	48.831	ng	99
75) Fluoranthene	12.639	202	691241	45.459	ng	99
77) Benzidine	12.757	184	118967	21.509	ng	99
78) Pyrene	12.869	202	679006	47.047	ng	100
80) Butylbenzylphthalate	13.480	149	213703	50.072	ng	100
81) Benzo(a)anthracene	14.057	228	466488	45.327	ng	99
82) 3,3'-Dichlorobenzidine	14.022	252	65244	19.659	ng	99
83) Chrysene	14.098	228	434351	45.712	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	297822	46.498	ng	99
85) Di-n-octyl phthalate	14.657	149	552324	44.947	ng	100
87) Indeno(1,2,3-cd)pyrene	17.086	276	552121	46.611	ng	100
88) Benzo(b)fluoranthene	15.121	252	466805	49.597	ng	100
89) Benzo(k)fluoranthene	15.151	252	405150	44.366	ng	99
90) Benzo(a)pyrene	15.504	252	427694	47.794	ng	99
91) Dibenzo(a,h)anthracene	17.104	278	461373	47.702	ng	99
92) Benzo(g,h,i)perylene	17.545	276	443588	46.121	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142726.D
Acq On : 11 Jun 2025 10:51
Operator : RC/JU
Sample : PB168234BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168234BS

Quant Time: Jun 11 11:39:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142605.D
Acq On : 04 Jun 2025 14:08
Operator : RC/JU
Sample : Q2159-01MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP05-MHO-WCMS

Quant Time: Jun 04 14:30:50 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	119687	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	441391	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	218918	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	322457	20.000	ng	0.00
76) Chrysene-d12	14.069	240	216030	20.000	ng	0.00
86) Perylene-d12	15.563	264	272895	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	530843	74.723	ng	0.00
7) Phenol-d6	6.528	99	650114	76.022	ng	0.00
23) Nitrobenzene-d5	7.457	82	383796	47.414	ng	-0.02
42) 2,4,6-Tribromophenol	10.728	330	169656	69.826	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	742665	45.522	ng	-0.02
79) Terphenyl-d14	13.004	244	556976	35.233	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.740	88	118790	41.787	ng	98
3) Pyridine	3.499	79	316918	43.778	ng	99
4) n-Nitrosodimethylamine	3.452	42	168372	44.795	ng	92
6) Aniline	6.557	93	298846	25.990	ng	95
8) 2-Chlorophenol	6.681	128	347349	44.889	ng	98
9) Benzaldehyde	6.446	77	189343	36.812	ng	99
10) Phenol	6.540	94	415471	43.177	ng	99
11) bis(2-Chloroethyl)ether	6.628	93	314166	45.357	ng	100
12) 1,3-Dichlorobenzene	6.840	146	380249	44.039	ng	98
13) 1,4-Dichlorobenzene	6.916	146	383221	44.061	ng	98
14) 1,2-Dichlorobenzene	7.069	146	367896	44.206	ng	99
15) Benzyl Alcohol	7.034	79	274957	43.508	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	509267	43.781	ng	98
17) 2-Methylphenol	7.151	107	263331	43.588	ng	99
18) Hexachloroethane	7.410	117	132286	43.558	ng	99
19) n-Nitroso-di-n-propyla...	7.304	70	218117	41.155	ng	100
20) 3+4-Methylphenols	7.304	107	321533	41.561	ng	92
22) Acetophenone	7.304	105	437089	44.733	ng	98
24) Nitrobenzene	7.481	77	331446	45.400	ng	99
25) Isophorone	7.716	82	591291	43.690	ng	99
26) 2-Nitrophenol	7.792	139	184427	47.277	ng	98
27) 2,4-Dimethylphenol	7.834	122	298005	43.318	ng	98
28) bis(2-Chloroethoxy)met...	7.928	93	383925	45.412	ng	99
29) 2,4-Dichlorophenol	8.040	162	282004	45.075	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	308170	45.387	ng	98
31) Naphthalene	8.204	128	976775	44.943	ng	100
32) Benzoic acid	7.945	122	191636m	45.762	ng	
33) 4-Chloroaniline	8.245	127	104729	11.892	ng	99
34) Hexachlorobutadiene	8.316	225	188185	44.388	ng	99
35) Caprolactam	8.616	113	81967	46.648	ng	95
36) 4-Chloro-3-methylphenol	8.734	107	274424	42.801	ng	96
37) 2-Methylnaphthalene	8.892	142	599114	43.817	ng	100
38) 1-Methylnaphthalene	8.992	142	615699	43.533	ng	99
40) 1,2,4,5-Tetrachloroben...	9.063	216	301267	47.940	ng	99
41) Hexachlorocyclopentadiene	9.045	237	342158	80.712	ng	99
43) 2,4,6-Trichlorophenol	9.169	196	200860	47.400	ng	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142605.D
Acq On : 04 Jun 2025 14:08
Operator : RC/JU
Sample : Q2159-01MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP05-MHO-WCMS

Quant Time: Jun 04 14:30:50 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

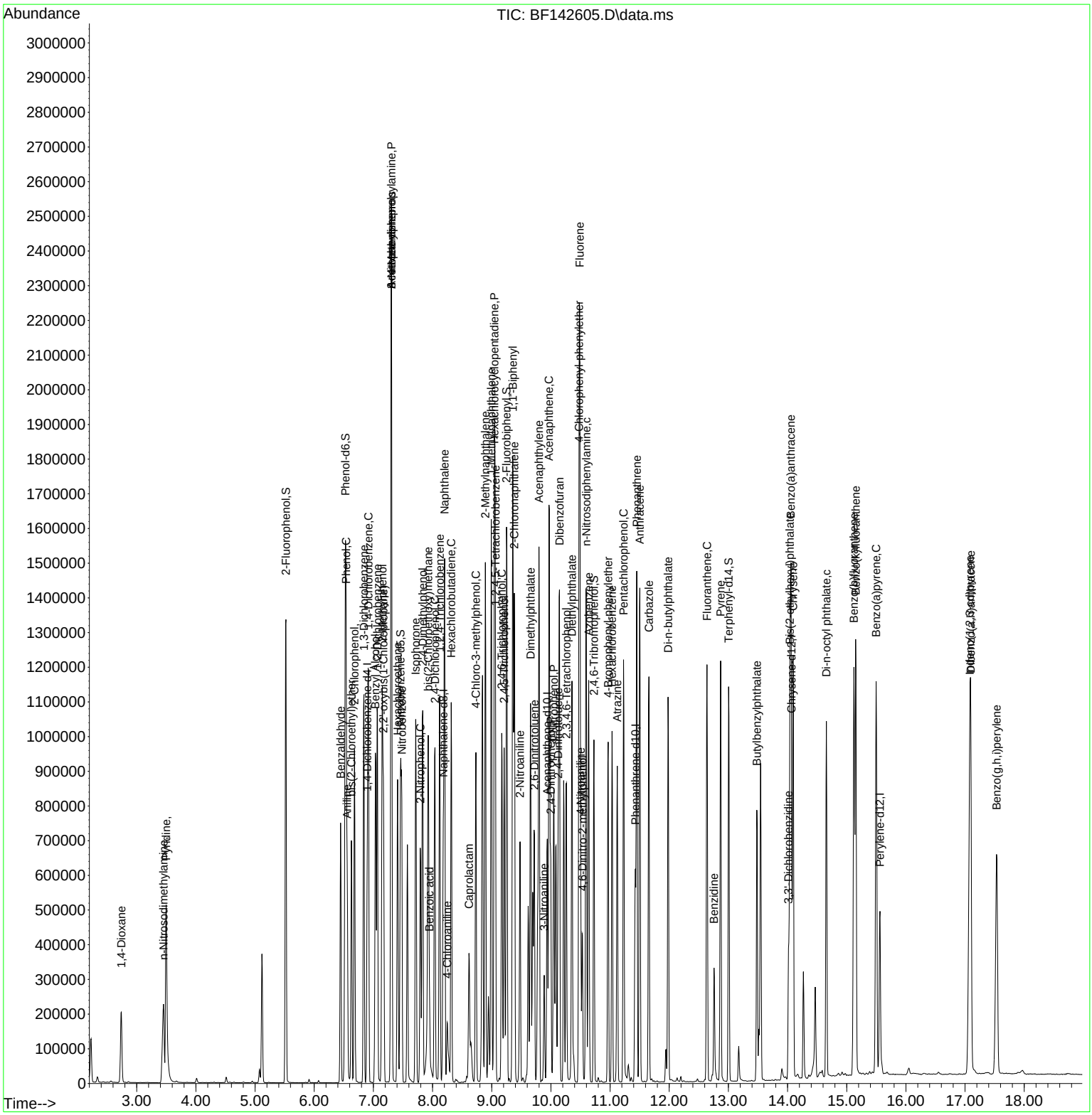
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	203775	45.596	ng	99
46) 1,1'-Biphenyl	9.357	154	804636	47.376	ng	100
47) 2-Chloronaphthalene	9.381	162	585929	46.693	ng	99
48) 2-Nitroaniline	9.475	65	167615	46.213	ng	98
49) Acenaphthylene	9.798	152	968879	45.726	ng	100
50) Dimethylphthalate	9.657	163	658805	45.608	ng	100
51) 2,6-Dinitrotoluene	9.722	165	141451	45.371	ng	96
52) Acenaphthene	9.969	154	628871	48.604	ng	99
53) 3-Nitroaniline	9.886	138	71689	21.053	ng	97
54) 2,4-Dinitrophenol	9.998	184	133984	83.183	ng	91
55) Dibenzofuran	10.145	168	836285	44.916	ng	98
56) 4-Nitrophenol	10.051	139	214603	85.412	ng	96
57) 2,4-Dinitrotoluene	10.122	165	189139	46.454	ng	99
58) Fluorene	10.486	166	634376	44.103	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	160270	42.958	ng	98
60) Diethylphthalate	10.357	149	623187	44.174	ng	99
61) 4-Chlorophenyl-phenyle...	10.475	204	311030	44.018	ng	98
62) 4-Nitroaniline	10.504	138	131676	42.636	ng	96
63) Azobenzene	10.639	77	574383	45.330	ng	97
65) 4,6-Dinitro-2-methylph...	10.533	198	85367	47.438	ng	96
66) n-Nitrosodiphenylamine	10.598	169	538608	48.823	ng	99
67) 4-Bromophenyl-phenylether	10.969	248	186780	48.987	ng	96
68) Hexachlorobenzene	11.033	284	199393	47.282	ng	99
69) Atrazine	11.122	200	155307	53.010	ng	99
70) Pentachlorophenol	11.228	266	206465	86.718	ng	99
71) Phenanthrene	11.451	178	789897	45.837	ng	100
72) Anthracene	11.504	178	808547	45.973	ng	99
73) Carbazole	11.657	167	685918	45.620	ng	100
74) Di-n-butylphthalate	11.980	149	806869	49.027	ng	100
75) Fluoranthene	12.639	202	702745	43.643	ng	99
77) Benzidine	12.757	184	198259	24.662	ng	99
78) Pyrene	12.869	202	706356	35.051	ng	100
80) Butylbenzylphthalate	13.480	149	265980	47.765	ng	99
81) Benzo(a)anthracene	14.057	228	657910	45.607	ng	99
82) 3,3'-Dichlorobenzidine	14.016	252	114456	26.159	ng	98
83) Chrysene	14.092	228	616958	47.597	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	374143	52.486	ng	99
85) Di-n-octyl phthalate	14.657	149	697516	50.043	ng	100
87) Indeno(1,2,3-cd)pyrene	17.080	276	790401	38.580	ng	99
88) Benzo(b)fluoranthene	15.121	252	817498	50.615	ng	99
89) Benzo(k)fluoranthene	15.151	252	663669	43.872	ng	98
90) Benzo(a)pyrene	15.498	252	725008	47.622	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	643765	38.743	ng	99
92) Benzo(g,h,i)perylene	17.533	276	596123	35.868	ng	97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142605.D
Acq On : 04 Jun 2025 14:08
Operator : RC/JU
Sample : Q2159-01MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP05-MHO-WCMS

Quant Time: Jun 04 14:30:50 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\BF060425\
Data File : BF142606.D
Acq On : 04 Jun 2025 14:38
Operator : RC/JU
Sample : Q2159-01MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP05-MHO-WCMSD

Quant Time: Jun 04 15:05:17 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	117119	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	429653	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	207287	20.000	ng	0.00
64) Phenanthrene-d10	11.421	188	289513	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	207868	20.000	ng	0.00
86) Perylene-d12	15.562	264	274922	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	503033	72.361	ng	0.00
7) Phenol-d6	6.522	99	608782	72.750	ng	-0.01
23) Nitrobenzene-d5	7.457	82	360559	45.760	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	150277	65.320	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	697253	45.136	ng	-0.02
79) Terphenyl-d14	13.004	244	493078	32.415	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.734	88	112206	40.336	ng	98
3) Pyridine	3.493	79	294977	41.640	ng	100
4) n-Nitrosodimethylamine	3.446	42	157867	42.921	ng	92
6) Aniline	6.557	93	290103	25.783	ng	97
8) 2-Chlorophenol	6.681	128	325299	42.961	ng	99
9) Benzaldehyde	6.445	77	176311	35.030	ng	99
10) Phenol	6.539	94	387871	41.193	ng	99
11) bis(2-Chloroethyl)ether	6.628	93	293970	43.371	ng	100
12) 1,3-Dichlorobenzene	6.839	146	354983	42.014	ng	98
13) 1,4-Dichlorobenzene	6.916	146	362483	42.591	ng	99
14) 1,2-Dichlorobenzene	7.069	146	349177	42.876	ng	99
15) Benzyl Alcohol	7.034	79	255956	41.390	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	479366	42.114	ng	98
17) 2-Methylphenol	7.145	107	244760	41.402	ng	100
18) Hexachloroethane	7.410	117	125719	42.303	ng	99
19) n-Nitroso-di-n-propyla...	7.304	70	205003	39.528	ng	100
20) 3+4-Methylphenols	7.298	107	301702	39.853	ng	97
22) Acetophenone	7.304	105	407703	42.866	ng	98
24) Nitrobenzene	7.481	77	309931	43.612	ng	98
25) Isophorone	7.716	82	554934	42.124	ng	99
26) 2-Nitrophenol	7.792	139	171622	45.196	ng	98
27) 2,4-Dimethylphenol	7.833	122	271650	40.566	ng	99
28) bis(2-Chloroethoxy)met...	7.928	93	355801	43.235	ng	98
29) 2,4-Dichlorophenol	8.039	162	265245	43.555	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	289455	43.796	ng	98
31) Naphthalene	8.204	128	913570	43.183	ng	99
32) Benzoic acid	7.939	122	168301	41.288	ng	96
33) 4-Chloroaniline	8.245	127	85937	10.025	ng	100
34) Hexachlorobutadiene	8.316	225	175291	42.476	ng	99
35) Caprolactam	8.616	113	75256	43.999	ng	98
36) 4-Chloro-3-methylphenol	8.733	107	251467	40.292	ng	96
37) 2-Methylnaphthalene	8.892	142	555494	41.736	ng	100
38) 1-Methylnaphthalene	8.992	142	568389	41.286	ng	100
40) 1,2,4,5-Tetrachloroben...	9.057	216	281606	47.326	ng	99
41) Hexachlorocyclopentadiene	9.045	237	317173	79.016	ng	100
43) 2,4,6-Trichlorophenol	9.169	196	185819	46.311	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142606.D
Acq On : 04 Jun 2025 14:38
Operator : RC/JU
Sample : Q2159-01MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP05-MHO-WCMSD

Quant Time: Jun 04 15:05:17 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

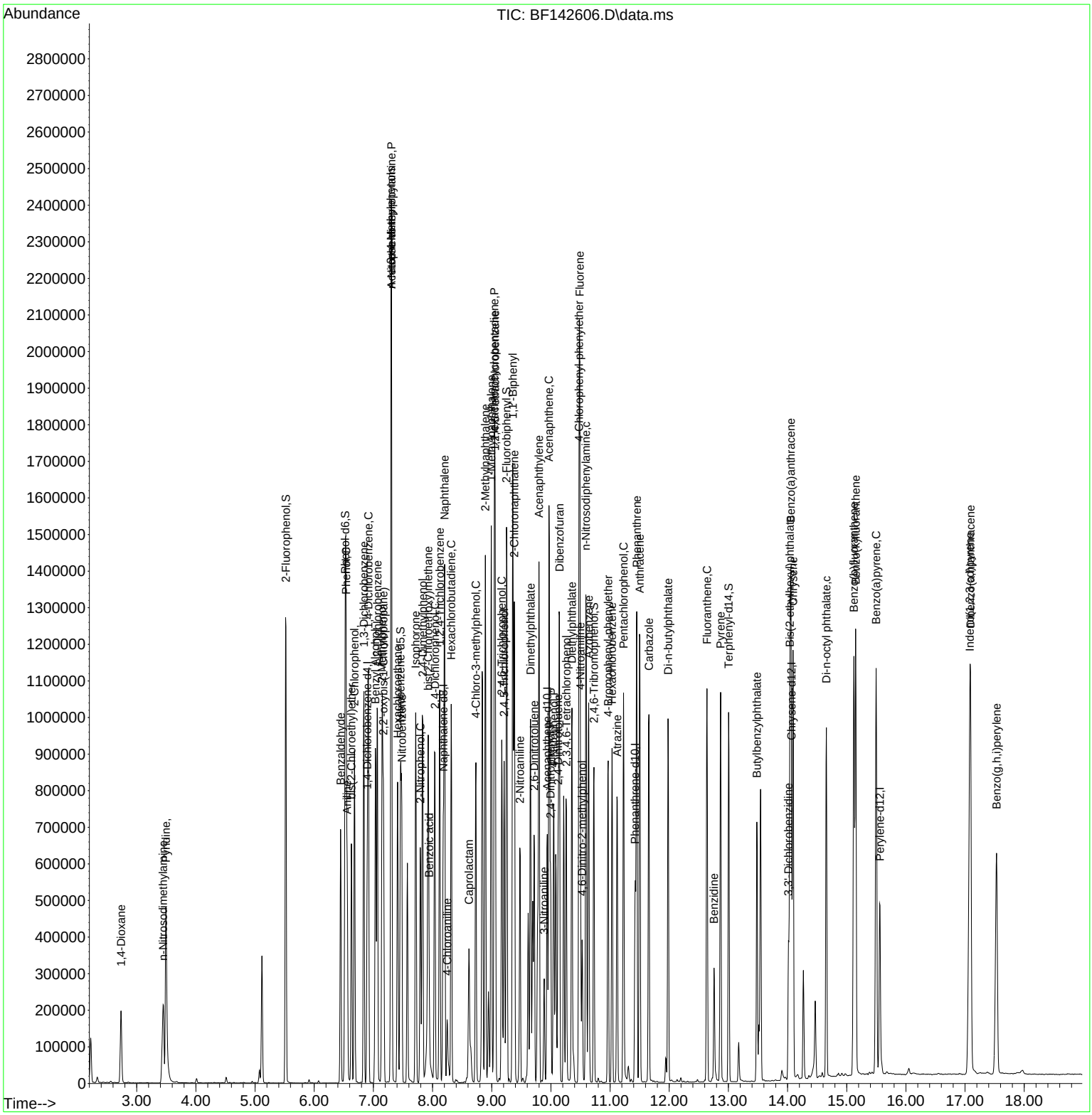
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	182412	43.106	ng	98
46) 1,1'-Biphenyl	9.357	154	741150	46.086	ng	99
47) 2-Chloronaphthalene	9.380	162	542733	45.678	ng	99
48) 2-Nitroaniline	9.475	65	149998	43.676	ng	99
49) Acenaphthylene	9.798	152	884211	44.071	ng	100
50) Dimethylphthalate	9.657	163	597235	43.666	ng	100
51) 2,6-Dinitrotoluene	9.716	165	130411	44.177	ng	99
52) Acenaphthene	9.969	154	566786	46.264	ng	100
53) 3-Nitroaniline	9.886	138	63685	19.751	ng	100
54) 2,4-Dinitrophenol	9.992	184	117271	76.892	ng	94
55) Dibenzofuran	10.145	168	766850	43.498	ng	97
56) 4-Nitrophenol	10.051	139	188095	79.063	ng	96
57) 2,4-Dinitrotoluene	10.122	165	168682	43.754	ng	100
58) Fluorene	10.486	166	572933	42.066	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	143474	40.613	ng	98
60) Diethylphthalate	10.357	149	559299	41.870	ng	99
61) 4-Chlorophenyl-phenyle...	10.475	204	279681	41.802	ng	98
62) 4-Nitroaniline	10.498	138	114406	39.123	ng	97
63) Azobenzene	10.639	77	517652	43.145	ng	96
65) 4,6-Dinitro-2-methylph...	10.527	198	74396	46.046	ng	98
66) n-Nitrosodiphenylamine	10.592	169	485968	49.064	ng	99
67) 4-Bromophenyl-phenylether	10.969	248	164283	47.990	ng	97
68) Hexachlorobenzene	11.033	284	177585	46.903	ng	99
69) Atrazine	11.122	200	134893	51.281	ng	99
70) Pentachlorophenol	11.227	266	179072	83.771	ng	99
71) Phenanthrene	11.451	178	699348	45.200	ng	100
72) Anthracene	11.504	178	713117	45.161	ng	100
73) Carbazole	11.657	167	609293	45.135	ng	99
74) Di-n-butylphthalate	11.980	149	707550	47.884	ng	99
75) Fluoranthene	12.639	202	621123	42.963	ng	99
77) Benzidine	12.757	184	184313	23.827	ng	99
78) Pyrene	12.868	202	626053	32.286	ng	100
80) Butylbenzylphthalate	13.480	149	239908	44.775	ng	99
81) Benzo(a)anthracene	14.057	228	615470	44.341	ng	99
82) 3,3'-Dichlorobenzidine	14.015	252	114751	27.256	ng	98
83) Chrysene	14.092	228	572386	45.892	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	337322	49.178	ng	99
85) Di-n-octyl phthalate	14.657	149	661412	49.316	ng	99
87) Indeno(1,2,3-cd)pyrene	17.080	276	749576	36.318	ng	98
88) Benzo(b)fluoranthene	15.121	252	708411	43.538	ng	98
89) Benzo(k)fluoranthene	15.151	252	711519	46.688	ng	98
90) Benzo(a)pyrene	15.498	252	700899	45.699	ng	99
91) Dibenzo(a,h)anthracene	17.092	278	616586	36.834	ng	98
92) Benzo(g,h,i)perylene	17.533	276	554788	33.135	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142606.D
Acq On : 04 Jun 2025 14:38
Operator : RC/JU
Sample : Q2159-01MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP05-MHO-WCMSD

Quant Time: Jun 04 15:05:17 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



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:	BF060425	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF142602.D	Benzoic acid	Rahul	6/5/2025 11:49:24 AM	Jagrut	6/5/2025 1:15:26 PM	Peak Integrated by Software
Q2159-01MS	BF142605.D	Benzoic acid	Rahul	6/5/2025 11:49:26 AM	Jagrut	6/5/2025 1:15:28 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF060625	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	BF061125	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF142714.D	2,3,4,6-Tetrachlorophenol	Rahul	6/11/2025 9:18:06 AM	Jagrut	6/11/2025 9:58:06 AM	Peak Integrated by Software
SSTDICC080	BF142719.D	Caprolactam	Rahul	6/11/2025 9:18:10 AM	Jagrut	6/11/2025 9:58:02 AM	Peak Integrated by Software
PB168234BS	BF142726.D	4-Chloroaniline	anahy	6/12/2025 9:39:14 AM	Jagrut	6/12/2025 11:37:34 AM	Peak Integrated by Software
PB168234BS	BF142726.D	Acenaphthene	anahy	6/12/2025 9:39:14 AM	Jagrut	6/12/2025 11:37:34 AM	Peak Integrated by Software
PB168234BS	BF142726.D	Caprolactam	anahy	6/12/2025 9:39:14 AM	Jagrut	6/12/2025 11:37:34 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF061225	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	BP060625	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP024861.D	2,3,4,6-Tetrachlorophenol	Rahul	6/9/2025 10:51:15 AM	Jagrut	6/9/2025 12:08:47 PM	Peak Integrated by Software
SSTDICC005	BP024861.D	4-Nitroaniline	Rahul	6/9/2025 10:51:15 AM	Jagrut	6/9/2025 12:08:47 PM	Peak Integrated by Software
SSTDICC010	BP024862.D	Benzaldehyde	Rahul	6/9/2025 10:51:18 AM	Jagrut	6/9/2025 12:08:50 PM	Peak Integrated by Software
SSTDICC010	BP024862.D	Benzo(b)fluoranthene	Rahul	6/9/2025 10:51:18 AM	Jagrut	6/9/2025 12:08:50 PM	Peak Integrated by Software
SSTDICC010	BP024862.D	Benzoic acid	Rahul	6/9/2025 10:51:18 AM	Jagrut	6/9/2025 12:08:50 PM	Peak Integrated by Software
SSTDICC020	BP024863.D	Benzaldehyde	Rahul	6/9/2025 10:51:20 AM	Jagrut	6/9/2025 12:08:52 PM	Peak Integrated by Software
SSTDICV040	BP024868.D	Benzaldehyde	Rahul	6/9/2025 10:51:26 AM	Jagrut	6/9/2025 12:08:55 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP061025	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2176-04	BP024901.D	Benzo(k)fluoranthene	anahy	6/11/2025 9:25:27 AM	Jagrut	6/11/2025 9:55:01 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BP061125	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP024905.D	4-Nitroaniline	anahy	6/12/2025 9:29:15 AM	mohammad	6/13/2025 9:04:12 AM	Peak Integrated by Software
SSTDCCC040	BP024905.D	Indeno(1,2,3-cd)pyrene	anahy	6/12/2025 9:29:15 AM	mohammad	6/13/2025 9:04:12 AM	Peak Integrated by Software

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 # 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 # BF060425

Review By	Rahul	Review On	6/5/2025 11:49:57 AM				
Supervise By	Jagrut	Supervise On	6/5/2025 1:15:58 PM				
SubDirectory	BF060425	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	BF142601.D	04 Jun 2025 11:59	RC/JU	Ok
2	SSTDCCC040	BF142602.D	04 Jun 2025 12:27	RC/JU	Ok,M
3	PB168234BL	BF142603.D	04 Jun 2025 13:05	RC/JU	Ok
4	Q2159-01	BF142604.D	04 Jun 2025 13:39	RC/JU	Ok
5	Q2159-01MS	BF142605.D	04 Jun 2025 14:08	RC/JU	Ok,M
6	Q2159-01MSD	BF142606.D	04 Jun 2025 14:38	RC/JU	Ok
7	Q2160-05	BF142607.D	04 Jun 2025 15:17	RC/JU	Ok
8	Q2172-01	BF142608.D	04 Jun 2025 15:47	RC/JU	Ok
9	Q2160-01	BF142609.D	04 Jun 2025 16:17	RC/JU	Ok
10	Q2159-04	BF142610.D	04 Jun 2025 16:47	RC/JU	Ok
11	Q2160-04	BF142611.D	04 Jun 2025 17:17	RC/JU	Ok
12	Q2160-08	BF142612.D	04 Jun 2025 17:48	RC/JU	Ok
13	Q2173-06	BF142613.D	04 Jun 2025 18:18	RC/JU	Ok
14	Q2173-12	BF142614.D	04 Jun 2025 18:47	RC/JU	Ok
15	Q2173-18	BF142615.D	04 Jun 2025 19:17	RC/JU	Ok
16	Q2173-07	BF142616.D	04 Jun 2025 19:47	RC/JU	Ok,M
17	Q2173-13	BF142617.D	04 Jun 2025 20:17	RC/JU	Ok,M
18	Q2173-01	BF142618.D	04 Jun 2025 20:47	RC/JU	Ok,M
19	Q2172-04	BF142619.D	04 Jun 2025 21:17	RC/JU	Ok
20	Q2185-04	BF142620.D	04 Jun 2025 21:46	RC/JU	Ok
21	Q2185-08	BF142621.D	04 Jun 2025 22:16	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060425

Review By	Rahul	Review On	6/5/2025 11:49:57 AM				
Supervise By	Jagrut	Supervise On	6/5/2025 1:15:58 PM				
SubDirectory	BF060425	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	Q2182-01	BF142622.D	04 Jun 2025 22:45	RC/JU	Ok,M
23	Q2178-01	BF142623.D	04 Jun 2025 23:15	RC/JU	Dilution

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM		
SubDirectory	BF060625	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	BF142639.D	06 Jun 2025 11:01	RC/JU	Ok
2	SSTDCCC040	BF142640.D	06 Jun 2025 11:36	RC/JU	Ok
3	PB168259BL	BF142641.D	06 Jun 2025 12:06	RC/JU	Ok
4	Q2185-01	BF142642.D	06 Jun 2025 12:54	RC/JU	Ok
5	Q2207-37	BF142643.D	06 Jun 2025 13:24	RC/JU	Ok
6	Q2207-37MS	BF142644.D	06 Jun 2025 13:54	RC/JU	Ok
7	Q2207-37MSD	BF142645.D	06 Jun 2025 14:25	RC/JU	Ok
8	Q2219-01	BF142646.D	06 Jun 2025 14:58	RC/JU	Ok,M
9	Q2214-01	BF142647.D	06 Jun 2025 15:29	RC/JU	Ok
10	Q2208-19	BF142648.D	06 Jun 2025 16:00	RC/JU	Ok
11	Q2207-28	BF142649.D	06 Jun 2025 16:30	RC/JU	Ok
12	Q2176-07	BF142650.D	06 Jun 2025 17:01	RC/JU	Ok
13	Q2198-01	BF142651.D	06 Jun 2025 17:31	RC/JU	Ok
14	Q2177-04	BF142652.D	06 Jun 2025 18:01	RC/JU	Ok
15	Q2198-05	BF142653.D	06 Jun 2025 18:31	RC/JU	Ok
16	Q2207-10	BF142654.D	06 Jun 2025 19:02	RC/JU	Ok
17	Q2207-19	BF142655.D	06 Jun 2025 19:32	RC/JU	Ok
18	Q2208-10	BF142656.D	06 Jun 2025 20:02	RC/JU	Ok
19	Q2208-01	BF142657.D	06 Jun 2025 20:32	RC/JU	Ok
20	Q2177-08	BF142658.D	06 Jun 2025 21:02	RC/JU	Ok
21	Q2242-01	BF142659.D	06 Jun 2025 21:32	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM				
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM				
SubDirectory	BF060625	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	Q2202-03	BF142660.D	06 Jun 2025 22:01	RC/JU	Dilution
23	Q2176-01	BF142661.D	06 Jun 2025 22:31	RC/JU	Ok
24	Q2208-28	BF142662.D	06 Jun 2025 23:01	RC/JU	Ok
25	DFTPP	BF142663.D	07 Jun 2025 00:32	RC/JU	Ok
26	SSTDCCC040	BF142664.D	07 Jun 2025 01:38	RC/JU	Ok
27	PB168300BL	BF142665.D	07 Jun 2025 02:08	RC/JU	Not Ok
28	PB168300BS	BF142666.D	07 Jun 2025 02:38	RC/JU	Not Ok
29	Q2226-01	BF142667.D	07 Jun 2025 03:08	RC/JU	ReRun
30	Q2207-01	BF142668.D	07 Jun 2025 03:38	RC/JU	ReRun
31	Q2198-03	BF142669.D	07 Jun 2025 04:08	RC/JU	ReRun
32	Q2176-03	BF142670.D	07 Jun 2025 04:38	RC/JU	ReRun
33	Q2176-05	BF142671.D	07 Jun 2025 05:07	RC/JU	ReRun
34	Q2125-07	BF142672.D	07 Jun 2025 05:36	RC/JU	ReRun
35	Q2176-02	BF142673.D	07 Jun 2025 06:05	RC/JU	ReRun
36	Q2227-01	BF142674.D	07 Jun 2025 06:35	RC/JU	ReRun
37	Q2228-01	BF142675.D	07 Jun 2025 07:03	RC/JU	ReRun
38	Q2241-01	BF142676.D	07 Jun 2025 07:32	RC/JU	ReRun
39	Q2241-05	BF142677.D	07 Jun 2025 08:02	RC/JU	ReRun
40	Q2244-01	BF142678.D	07 Jun 2025 08:31	RC/JU	ReRun
41	Q2244-01MS	BF142679.D	07 Jun 2025 09:00	RC/JU	Not Ok
42	Q2244-01MSD	BF142680.D	07 Jun 2025 09:29	RC/JU	Not Ok
43	Q2223-01	BF142681.D	07 Jun 2025 09:58	RC/JU	ReRun
44	Q2223-03	BF142682.D	07 Jun 2025 10:27	RC/JU	ReRun

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM				
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM				
SubDirectory	BF060625	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	

45	Q2224-01	BF142683.D	07 Jun 2025 10:57	RC/JU	ReRun
46	Q2225-01	BF142684.D	07 Jun 2025 11:26	RC/JU	ReRun
47	Q2206-01	BF142685.D	07 Jun 2025 11:54	RC/JU	ReRun
48	Q2195-01	BF142686.D	07 Jun 2025 12:23	RC/JU	ReRun

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061125

Review By	Rahul	Review On	6/11/2025 9:54:45 AM		
Supervise By	Jagrut	Supervise On	6/11/2025 9:58:22 AM		
SubDirectory	BF061125	HP Acquire Method	BNA_F	HP Processing Method	BF061125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142710.D	10 Jun 2025 15:42	RC/JU	Ok
2	SSTDCCC040	BF142711.D	10 Jun 2025 16:11	RC/JU	Not Ok
3	SSTDICC2.5	BF142712.D	10 Jun 2025 16:54	RC/JU	Ok
4	SSTDICC005	BF142713.D	10 Jun 2025 17:24	RC/JU	Ok
5	SSTDICC010	BF142714.D	10 Jun 2025 17:53	RC/JU	Ok,M
6	SSTDICC020	BF142715.D	10 Jun 2025 18:22	RC/JU	Ok
7	SSTDICCC040	BF142716.D	10 Jun 2025 18:52	RC/JU	Ok
8	SSTDICC050	BF142717.D	10 Jun 2025 19:21	RC/JU	Ok
9	SSTDICC060	BF142718.D	10 Jun 2025 19:50	RC/JU	Ok
10	SSTDICC080	BF142719.D	10 Jun 2025 20:19	RC/JU	Ok,M
11	SSTDICV040	BF142720.D	10 Jun 2025 20:49	RC/JU	Ok
12	PB168323BL	BF142721.D	10 Jun 2025 21:47	RC/JU	Ok
13	DFTPP	BF142722.D	11 Jun 2025 08:56	RC/JU	Ok
14	SSTDCCC040	BF142723.D	11 Jun 2025 09:24	RC/JU	Ok
15	PB168376BL	BF142724.D	11 Jun 2025 09:53	RC/JU	Ok
16	PB168376BS	BF142725.D	11 Jun 2025 10:22	RC/JU	Ok,M
17	PB168234BS	BF142726.D	11 Jun 2025 10:51	RC/JU	Ok,M
18	PB168285BS	BF142727.D	11 Jun 2025 11:21	RC/JU	Ok,M
19	PB168285BSD	BF142728.D	11 Jun 2025 11:50	RC/JU	Ok,M
20	PB168378BS	BF142729.D	11 Jun 2025 12:19	RC/JU	Ok,M
21	PB168378BSD	BF142730.D	11 Jun 2025 12:49	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061125

Review By	Rahul	Review On	6/11/2025 9:54:45 AM		
Supervise By	Jagrut	Supervise On	6/11/2025 9:58:22 AM		
SubDirectory	BF061125	HP Acquire Method	BNA_F	HP Processing Method	BF061125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB168378BL	BF142731.D	11 Jun 2025 13:18	RC/JU	Ok
23	Q2264-04	BF142732.D	11 Jun 2025 13:52	RC/JU	Ok
24	Q2268-10	BF142733.D	11 Jun 2025 14:21	RC/JU	Ok
25	Q2268-03	BF142734.D	11 Jun 2025 14:50	RC/JU	Dilution
26	Q2268-04MS	BF142735.D	11 Jun 2025 15:20	RC/JU	Ok,M
27	Q2268-05MSD	BF142736.D	11 Jun 2025 15:50	RC/JU	Ok
28	Q2268-06	BF142737.D	11 Jun 2025 16:19	RC/JU	Dilution
29	Q2268-07	BF142738.D	11 Jun 2025 16:49	RC/JU	Dilution
30	Q2268-08	BF142739.D	11 Jun 2025 17:19	RC/JU	Dilution
31	Q2273-01	BF142740.D	11 Jun 2025 17:49	RC/JU	Ok
32	Q2273-05	BF142741.D	11 Jun 2025 18:18	RC/JU	Ok
33	Q2273-05MS	BF142742.D	11 Jun 2025 18:48	RC/JU	Ok
34	Q2273-05MSD	BF142743.D	11 Jun 2025 19:18	RC/JU	Ok
35	Q2268-03DL	BF142744.D	11 Jun 2025 19:48	RC/JU	Ok
36	Q2268-03	BF142745.D	11 Jun 2025 20:17	RC/JU	Not Ok
37	Q2280-01	BF142746.D	11 Jun 2025 20:47	RC/JU	ReRun

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061225

Review By	Rahul	Review On	6/13/2025 8:51:32 AM				
Supervise By	mohammad	Supervise On	6/13/2025 9:04:03 AM				
SubDirectory	BF061225	HP Acquire Method	BNA_F		HP Processing Method	BF061125	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142747.D	12 Jun 2025 09:21	RC/JU	Ok
2	SSTDCCC040	BF142748.D	12 Jun 2025 09:50	RC/JU	Ok
3	PB168376BL	BF142749.D	12 Jun 2025 10:56	RC/JU	Ok
4	PB168259BS	BF142750.D	12 Jun 2025 11:25	RC/JU	Ok
5	PB168412BL	BF142751.D	12 Jun 2025 11:54	RC/JU	Ok
6	PB168412BS	BF142752.D	12 Jun 2025 12:24	RC/JU	Ok
7	Q2268-06DL	BF142753.D	12 Jun 2025 13:00	RC/JU	Ok
8	Q2268-07DL	BF142754.D	12 Jun 2025 13:29	RC/JU	Ok
9	Q2268-08DL	BF142755.D	12 Jun 2025 13:59	RC/JU	Ok
10	Q2280-01	BF142756.D	12 Jun 2025 14:29	RC/JU	Ok,M
11	Q2176-02	BF142757.D	12 Jun 2025 14:58	RC/JU	Ok
12	Q2287-01	BF142758.D	12 Jun 2025 15:28	RC/JU	Ok
13	Q2296-09	BF142759.D	12 Jun 2025 15:57	RC/JU	Ok
14	Q2296-09MS	BF142760.D	12 Jun 2025 16:27	RC/JU	Ok
15	Q2296-09MSD	BF142761.D	12 Jun 2025 16:57	RC/JU	Ok
16	Q2223-01	BF142762.D	12 Jun 2025 17:27	RC/JU	Ok
17	Q2223-03	BF142763.D	12 Jun 2025 17:57	RC/JU	Ok
18	Q2224-01	BF142764.D	12 Jun 2025 18:27	RC/JU	Ok,M
19	Q2225-01	BF142765.D	12 Jun 2025 18:57	RC/JU	Ok,M
20	Q2206-01	BF142766.D	12 Jun 2025 19:26	RC/JU	Ok,M
21	Q2195-01	BF142767.D	12 Jun 2025 19:56	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061225

Review By	Rahul	Review On	6/13/2025 8:51:32 AM		
Supervise By	mohammad	Supervise On	6/13/2025 9:04:03 AM		
SubDirectory	BF061225	HP Acquire Method	BNA_F	HP Processing Method	BF061125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2283-01	BF142768.D	12 Jun 2025 20:26	RC/JU	Ok,M
23	Q2278-01	BF142769.D	12 Jun 2025 20:56	RC/JU	Not Ok
24	Q2286-01	BF142770.D	12 Jun 2025 21:25	RC/JU	Not Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP060625

Review By	Rahul	Review On	6/9/2025 11:36:10 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:09:52 PM		
SubDirectory	BP060625	HP Acquire Method	BNA_P	HP Processing Method	BP060625

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	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024859.D	06 Jun 2025 09:49	RC/JU	Ok
2	SSTDICC2.5	BP024860.D	06 Jun 2025 10:30	RC/JU	Ok
3	SSTDICC005	BP024861.D	06 Jun 2025 11:11	RC/JU	Ok,M
4	SSTDICC010	BP024862.D	06 Jun 2025 11:52	RC/JU	Ok,M
5	SSTDICC020	BP024863.D	06 Jun 2025 12:33	RC/JU	Ok,M
6	SSTDICCC040	BP024864.D	06 Jun 2025 13:14	RC/JU	Ok
7	SSTDICC050	BP024865.D	06 Jun 2025 13:56	RC/JU	Ok
8	SSTDICC060	BP024866.D	06 Jun 2025 14:37	RC/JU	Ok
9	SSTDICC080	BP024867.D	06 Jun 2025 15:18	RC/JU	Ok
10	SSTDICV040	BP024868.D	06 Jun 2025 17:09	RC/JU	Ok,M
11	PB168259BL	BP024869.D	06 Jun 2025 17:50	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP061025

Review By	anahy	Review On	6/11/2025 9:57:08 AM		
Supervise By	Jagrut	Supervise On	6/11/2025 9:57:38 AM		
SubDirectory	BP061025	HP Acquire Method	BNA_P	HP Processing Method	BP060625

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	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024887.D	10 Jun 2025 10:12	RC/JU	Ok
2	SSTDCCC040	BP024888.D	10 Jun 2025 10:53	RC/JU	Ok
3	PB168321BL	BP024889.D	10 Jun 2025 11:33	RC/JU	Ok
4	PB168321BS	BP024890.D	10 Jun 2025 12:14	RC/JU	Ok
5	Q2266-01	BP024891.D	10 Jun 2025 13:02	RC/JU	Ok
6	Q2265-01	BP024892.D	10 Jun 2025 13:43	RC/JU	Ok
7	Q2266-08RE	BP024893.D	10 Jun 2025 14:24	RC/JU	Confirms
8	Q2176-08	BP024894.D	10 Jun 2025 15:05	RC/JU	Ok
9	Q2177-02	BP024895.D	10 Jun 2025 15:46	RC/JU	Dilution
10	Q2161-02	BP024896.D	10 Jun 2025 16:27	RC/JU	Ok
11	Q2176-06	BP024897.D	10 Jun 2025 17:08	RC/JU	Ok
12	Q2246-01	BP024898.D	10 Jun 2025 17:49	RC/JU	Ok,M
13	Q2177-06	BP024899.D	10 Jun 2025 18:30	RC/JU	Ok,M
14	Q2240-09	BP024900.D	10 Jun 2025 19:10	RC/JU	Ok,M
15	Q2176-04	BP024901.D	10 Jun 2025 19:51	RC/JU	Ok,M
16	Q2161-01	BP024902.D	10 Jun 2025 20:32	RC/JU	Ok
17	Q2240-05	BP024903.D	10 Jun 2025 21:13	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP061125

Review By	anahy	Review On	6/12/2025 9:31:34 AM				
Supervise By	mohammad	Supervise On	6/13/2025 9:04:12 AM				
SubDirectory	BP061125	HP Acquire Method	BNA_P		HP Processing Method	BP060625	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024904.D	11 Jun 2025 09:29	RC/JU	Ok
2	SSTDCCC040	BP024905.D	11 Jun 2025 10:09	RC/JU	Ok,M
3	PB168300BL	BP024906.D	11 Jun 2025 10:50	RC/JU	Ok
4	PB168300BS	BP024907.D	11 Jun 2025 11:31	RC/JU	Ok
5	Q2176-03	BP024908.D	11 Jun 2025 12:18	RC/JU	Ok
6	Q2176-05	BP024909.D	11 Jun 2025 12:59	RC/JU	Ok
7	Q2207-01	BP024910.D	11 Jun 2025 13:40	RC/JU	Ok
8	Q2227-01	BP024911.D	11 Jun 2025 14:21	RC/JU	Ok
9	Q2228-01	BP024912.D	11 Jun 2025 15:02	RC/JU	Ok
10	Q2226-01	BP024913.D	11 Jun 2025 15:43	RC/JU	Ok
11	Q2244-01	BP024914.D	11 Jun 2025 16:24	RC/JU	Ok
12	Q2244-01MS	BP024915.D	11 Jun 2025 17:05	RC/JU	Ok
13	Q2244-01MSD	BP024916.D	11 Jun 2025 17:46	RC/JU	Ok
14	Q2177-02DL	BP024917.D	11 Jun 2025 18:27	RC/JU	Ok,M
15	Q2241-01	BP024918.D	11 Jun 2025 19:08	RC/JU	Ok
16	Q2198-03	BP024919.D	11 Jun 2025 19:49	RC/JU	Ok,M
17	Q2125-07	BP024920.D	11 Jun 2025 20:30	RC/JU	Ok
18	Q2241-05	BP024921.D	11 Jun 2025 21:11	RC/JU	Ok

M : Manual Integration

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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

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060425

Review By	Rahul	Review On	6/5/2025 11:49:57 AM		
Supervise By	Jagrut	Supervise On	6/5/2025 1:15:58 PM		
SubDirectory	BF060425	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	BF142601.D	04 Jun 2025 11:59		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142602.D	04 Jun 2025 12:27		RC/JU	Ok,M
3	PB168234BL	PB168234BL	BF142603.D	04 Jun 2025 13:05		RC/JU	Ok
4	Q2159-01	TP05-MHO-WC	BF142604.D	04 Jun 2025 13:39		RC/JU	Ok
5	Q2159-01MS	TP05-MHO-WCMS	BF142605.D	04 Jun 2025 14:08		RC/JU	Ok,M
6	Q2159-01MSD	TP05-MHO-WCMSD	BF142606.D	04 Jun 2025 14:38		RC/JU	Ok
7	Q2160-05	TP05-MHH-WC	BF142607.D	04 Jun 2025 15:17		RC/JU	Ok
8	Q2172-01	TP06-MHQ	BF142608.D	04 Jun 2025 15:47		RC/JU	Ok
9	Q2160-01	TP04-MHG-WC	BF142609.D	04 Jun 2025 16:17		RC/JU	Ok
10	Q2159-04	TP05-MHO-WC	BF142610.D	04 Jun 2025 16:47		RC/JU	Ok
11	Q2160-04	TP04-MHG-WC	BF142611.D	04 Jun 2025 17:17		RC/JU	Ok
12	Q2160-08	TP05-MHH-WC	BF142612.D	04 Jun 2025 17:48		RC/JU	Ok
13	Q2173-06	OR-400-CF-402B-COM	BF142613.D	04 Jun 2025 18:18		RC/JU	Ok
14	Q2173-12	OR-400-CF-402B-COM	BF142614.D	04 Jun 2025 18:47		RC/JU	Ok
15	Q2173-18	OR-400-CF-402B-COM	BF142615.D	04 Jun 2025 19:17		RC/JU	Ok
16	Q2173-07	OR-400-CF-402B-COM	BF142616.D	04 Jun 2025 19:47		RC/JU	Ok,M
17	Q2173-13	OR-400-CF-402B-COM	BF142617.D	04 Jun 2025 20:17		RC/JU	Ok,M
18	Q2173-01	OR-400-CF-402B-COM	BF142618.D	04 Jun 2025 20:47		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060425

Review By	Rahul	Review On	6/5/2025 11:49:57 AM		
Supervise By	Jagrut	Supervise On	6/5/2025 1:15:58 PM		
SubDirectory	BF060425	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	Q2172-04	TP06-MHQ	BF142619.D	04 Jun 2025 21:17		RC/JU	Ok
20	Q2185-04	TP02-MHB-WC	BF142620.D	04 Jun 2025 21:46		RC/JU	Ok
21	Q2185-08	TP01-MHA-WC	BF142621.D	04 Jun 2025 22:16		RC/JU	Ok
22	Q2182-01	OR-03-06022025	BF142622.D	04 Jun 2025 22:45		RC/JU	Ok,M
23	Q2178-01	RT2929	BF142623.D	04 Jun 2025 23:15	Analyze with further 10X Dilution first & then decide	RC/JU	Dilution

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM		
SubDirectory	BF060625	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	BF142639.D	06 Jun 2025 11:01		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142640.D	06 Jun 2025 11:36		RC/JU	Ok
3	PB168259BL	PB168259BL	BF142641.D	06 Jun 2025 12:06		RC/JU	Ok
4	Q2185-01	TP02-MHB-WC	BF142642.D	06 Jun 2025 12:54		RC/JU	Ok
5	Q2207-37	BU-703-COMP-05	BF142643.D	06 Jun 2025 13:24		RC/JU	Ok
6	Q2207-37MS	BU-703-COMP-05MS	BF142644.D	06 Jun 2025 13:54		RC/JU	Ok
7	Q2207-37MSD	BU-703-COMP-05MSD	BF142645.D	06 Jun 2025 14:25		RC/JU	Ok
8	Q2219-01	72-11995	BF142646.D	06 Jun 2025 14:58		RC/JU	Ok,M
9	Q2214-01	RBR251425	BF142647.D	06 Jun 2025 15:29		RC/JU	Ok
10	Q2208-19	BU-703-COMP-08	BF142648.D	06 Jun 2025 16:00		RC/JU	Ok
11	Q2207-28	BU-703-COMP-04	BF142649.D	06 Jun 2025 16:30		RC/JU	Ok
12	Q2176-07	TP-31	BF142650.D	06 Jun 2025 17:01		RC/JU	Ok
13	Q2198-01	B-202-SB02	BF142651.D	06 Jun 2025 17:31		RC/JU	Ok
14	Q2177-04	B-187-SB02	BF142652.D	06 Jun 2025 18:01		RC/JU	Ok
15	Q2198-05	B-202-GW01	BF142653.D	06 Jun 2025 18:31		RC/JU	Ok
16	Q2207-10	BU-703-COMP-02	BF142654.D	06 Jun 2025 19:02		RC/JU	Ok
17	Q2207-19	BU-703-COMP-03	BF142655.D	06 Jun 2025 19:32		RC/JU	Ok
18	Q2208-10	BU-703-COMP-07	BF142656.D	06 Jun 2025 20:02		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM		
SubDirectory	BF060625	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	Q2208-01	BU-703-COMP-06	BF142657.D	06 Jun 2025 20:32		RC/JU	Ok
20	Q2177-08	EB05312025	BF142658.D	06 Jun 2025 21:02		RC/JU	Ok
21	Q2242-01	TP09-MHJ	BF142659.D	06 Jun 2025 21:32		RC/JU	Ok
22	Q2202-03	MW-12-20250603	BF142660.D	06 Jun 2025 22:01	Need 10X Dilution	RC/JU	Dilution
23	Q2176-01	TP-46	BF142661.D	06 Jun 2025 22:31		RC/JU	Ok
24	Q2208-28	BU-703-COMP-09	BF142662.D	06 Jun 2025 23:01		RC/JU	Ok
25	DFTPP	DFTPP	BF142663.D	07 Jun 2025 00:32		RC/JU	Ok
26	SSTDCCC040	SSTDCCC040	BF142664.D	07 Jun 2025 01:38	CCC fail high for compounds #41,54,56,70,84 and failed low for compounds # 78,79,87,91,92.	RC/JU	Ok
27	PB168300BL	PB168300BL	BF142665.D	07 Jun 2025 02:08	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
28	PB168300BS	PB168300BS	BF142666.D	07 Jun 2025 02:38	CCC fail low for compound # 78,79,87,91,92. Also #92 Recovery fail low side.	RC/JU	Not Ok
29	Q2226-01	TP06-MHI-WC	BF142667.D	07 Jun 2025 03:08	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
30	Q2207-01	BU-703-COMP-01	BF142668.D	07 Jun 2025 03:38	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
31	Q2198-03	B-207-SB02	BF142669.D	07 Jun 2025 04:08	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
32	Q2176-03	TP-25	BF142670.D	07 Jun 2025 04:38	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
33	Q2176-05	TP-28	BF142671.D	07 Jun 2025 05:07	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
34	Q2125-07	GSB3	BF142672.D	07 Jun 2025 05:36	CCC fail low for compound #79	RC/JU	ReRun

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM		
SubDirectory	BF060625	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	

35	Q2176-02	TP-56	BF142673.D	07 Jun 2025 06:05	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
36	Q2227-01	TP07-MHH-WC	BF142674.D	07 Jun 2025 06:35	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
37	Q2228-01	TP08-MHI-WC	BF142675.D	07 Jun 2025 07:03	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
38	Q2241-01	TP-N	BF142676.D	07 Jun 2025 07:32	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
39	Q2241-05	TP-S	BF142677.D	07 Jun 2025 08:02	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
40	Q2244-01	TP03-MHC	BF142678.D	07 Jun 2025 08:31	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
41	Q2244-01MS	TP03-MHCMS	BF142679.D	07 Jun 2025 09:00	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
42	Q2244-01MSD	TP03-MHCMSD	BF142680.D	07 Jun 2025 09:29	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
43	Q2223-01	HR-01-06042025	BF142681.D	07 Jun 2025 09:58	CCC fail low for compound # 78,79,87,91,92. Need Straight Run	RC/JU	ReRun
44	Q2223-03	HR-04-06042025	BF142682.D	07 Jun 2025 10:27	CCC fail low for compound # 78,79,87,91,92. Need Straight Run	RC/JU	ReRun
45	Q2224-01	EO-01-06042025	BF142683.D	07 Jun 2025 10:57	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
46	Q2225-01	SU-03-06042025	BF142684.D	07 Jun 2025 11:26	CCC fail low for compound # 78,79,87,91,92. Internal Standard Fail	RC/JU	ReRun
47	Q2206-01	TP-1	BF142685.D	07 Jun 2025 11:54	CCC fail low for compound # 78,79,87,91,92. Need Straight Run	RC/JU	ReRun
48	Q2195-01	OK-01-060325	BF142686.D	07 Jun 2025 12:23	CCC fail low for compound # 78,79,87,91,92. Internal Standard Fail	RC/JU	ReRun

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM		
SubDirectory	BF060625	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	

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061125

Review By	Rahul	Review On	6/11/2025 9:54:45 AM		
Supervise By	Jagrut	Supervise On	6/11/2025 9:58:22 AM		
SubDirectory	BF061125	HP Acquire Method	BNA_F	HP Processing Method	BF061125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/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	BF142710.D	10 Jun 2025 15:42		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142711.D	10 Jun 2025 16:11	A Fresh Calibration is required.	RC/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BF142712.D	10 Jun 2025 16:54		RC/JU	Ok
4	SSTDICC005	SSTDICC005	BF142713.D	10 Jun 2025 17:24		RC/JU	Ok
5	SSTDICC010	SSTDICC010	BF142714.D	10 Jun 2025 17:53		RC/JU	Ok,M
6	SSTDICC020	SSTDICC020	BF142715.D	10 Jun 2025 18:22		RC/JU	Ok
7	SSTDICCC040	SSTDICCC040	BF142716.D	10 Jun 2025 18:52	Calibration is Good for 8270 E, 8270 DOD and 625.1 methods.	RC/JU	Ok
8	SSTDICC050	SSTDICC050	BF142717.D	10 Jun 2025 19:21		RC/JU	Ok
9	SSTDICC060	SSTDICC060	BF142718.D	10 Jun 2025 19:50		RC/JU	Ok
10	SSTDICC080	SSTDICC080	BF142719.D	10 Jun 2025 20:19	Compound #09 removed from 80 PPM.	RC/JU	Ok,M
11	SSTDICV040	ICVBF061125	BF142720.D	10 Jun 2025 20:49		RC/JU	Ok
12	PB168323BL	PB168323BL	BF142721.D	10 Jun 2025 21:47		RC/JU	Ok
13	DFTPP	DFTPP	BF142722.D	11 Jun 2025 08:56		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF142723.D	11 Jun 2025 09:24		RC/JU	Ok
15	PB168376BL	PB168376BL	BF142724.D	11 Jun 2025 09:53		RC/JU	Ok
16	PB168376BS	PB168376BS	BF142725.D	11 Jun 2025 10:22		RC/JU	Ok,M
17	PB168234BS	PB168234BS	BF142726.D	11 Jun 2025 10:51		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061125

Review By	Rahul	Review On	6/11/2025 9:54:45 AM		
Supervise By	Jagrut	Supervise On	6/11/2025 9:58:22 AM		
SubDirectory	BF061125	HP Acquire Method	BNA_F	HP Processing Method	BF061125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	PB168285BS	PB168285BS	BF142727.D	11 Jun 2025 11:21		RC/JU	Ok,M
19	PB168285BSD	PB168285BSD	BF142728.D	11 Jun 2025 11:50		RC/JU	Ok,M
20	PB168378BS	PB168378BS	BF142729.D	11 Jun 2025 12:19		RC/JU	Ok,M
21	PB168378BSD	PB168378BSD	BF142730.D	11 Jun 2025 12:49		RC/JU	Ok,M
22	PB168378BL	PB168378BL	BF142731.D	11 Jun 2025 13:18		RC/JU	Ok
23	Q2264-04	EF-WW	BF142732.D	11 Jun 2025 13:52	Surrogate and Internal Standard Failed	RC/JU	Ok
24	Q2268-10	FB-20250605	BF142733.D	11 Jun 2025 14:21		RC/JU	Ok
25	Q2268-03	MW-2-20250605	BF142734.D	11 Jun 2025 14:50	Need 2X Dilution	RC/JU	Dilution
26	Q2268-04MS	MW-2-20250605MS	BF142735.D	11 Jun 2025 15:20		RC/JU	Ok,M
27	Q2268-05MSD	MW-2-20250605MSD	BF142736.D	11 Jun 2025 15:50		RC/JU	Ok
28	Q2268-06	MW-2-20250605-A	BF142737.D	11 Jun 2025 16:19	Need 2X Dilution	RC/JU	Dilution
29	Q2268-07	MW-6-20250605	BF142738.D	11 Jun 2025 16:49	Internal Standard Fail, Need 2X Dilution	RC/JU	Dilution
30	Q2268-08	MW-3-20250605	BF142739.D	11 Jun 2025 17:19	Internal Standard Fail, Need 2X Dilution	RC/JU	Dilution
31	Q2273-01	WC-4	BF142740.D	11 Jun 2025 17:49		RC/JU	Ok
32	Q2273-05	WC-6	BF142741.D	11 Jun 2025 18:18		RC/JU	Ok
33	Q2273-05MS	WC-6MS	BF142742.D	11 Jun 2025 18:48		RC/JU	Ok
34	Q2273-05MSD	WC-6MSD	BF142743.D	11 Jun 2025 19:18		RC/JU	Ok
35	Q2268-03DL	MW-2-20250605DL	BF142744.D	11 Jun 2025 19:48		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061125

Review By	Rahul	Review On	6/11/2025 9:54:45 AM		
Supervise By	Jagrut	Supervise On	6/11/2025 9:58:22 AM		
SubDirectory	BF061125	HP Acquire Method	BNA_F	HP Processing Method	BF061125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

36	Q2268-03	MW-2-20250605	BF142745.D	11 Jun 2025 20:17	Already analyzed with OK status	RC/JU	Not Ok
37	Q2280-01	VNJ-210	BF142746.D	11 Jun 2025 20:47	Internal standard fail	RC/JU	ReRun

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061225

Review By	Rahul	Review On	6/13/2025 8:51:32 AM		
Supervise By	mohammad	Supervise On	6/13/2025 9:04:03 AM		
SubDirectory	BF061225	HP Acquire Method	BNA_F	HP Processing Method	BF061125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/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	BF142747.D	12 Jun 2025 09:21		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142748.D	12 Jun 2025 09:50		RC/JU	Ok
3	PB168376BL	PB168376BL	BF142749.D	12 Jun 2025 10:56		RC/JU	Ok
4	PB168259BS	PB168259BS	BF142750.D	12 Jun 2025 11:25	Recovery fail for few compounds high side, need noncon	RC/JU	Ok
5	PB168412BL	PB168412BL	BF142751.D	12 Jun 2025 11:54		RC/JU	Ok
6	PB168412BS	PB168412BS	BF142752.D	12 Jun 2025 12:24	Recovery fail for few compounds high side, need noncon	RC/JU	Ok
7	Q2268-06DL	MW-2-20250605-ADL	BF142753.D	12 Jun 2025 13:00		RC/JU	Ok
8	Q2268-07DL	MW-6-20250605DL	BF142754.D	12 Jun 2025 13:29		RC/JU	Ok
9	Q2268-08DL	MW-3-20250605DL	BF142755.D	12 Jun 2025 13:59		RC/JU	Ok
10	Q2280-01	VNJ-210	BF142756.D	12 Jun 2025 14:29		RC/JU	Ok,M
11	Q2176-02	TP-56	BF142757.D	12 Jun 2025 14:58		RC/JU	Ok
12	Q2287-01	CONCRETE-SLAB	BF142758.D	12 Jun 2025 15:28		RC/JU	Ok
13	Q2296-09	WC-3	BF142759.D	12 Jun 2025 15:57		RC/JU	Ok
14	Q2296-09MS	WC-3MS	BF142760.D	12 Jun 2025 16:27		RC/JU	Ok
15	Q2296-09MSD	WC-3MSD	BF142761.D	12 Jun 2025 16:57	RPD fail for some compounds	RC/JU	Ok
16	Q2223-01	HR-01-06042025	BF142762.D	12 Jun 2025 17:27	Need noncon for as analyzed with 5x	RC/JU	Ok
17	Q2223-03	HR-04-06042025	BF142763.D	12 Jun 2025 17:57	Need noncon for as analyzed with 5x	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061225

Review By	Rahul	Review On	6/13/2025 8:51:32 AM		
Supervise By	mohammad	Supervise On	6/13/2025 9:04:03 AM		
SubDirectory	BF061225	HP Acquire Method	BNA_F	HP Processing Method	BF061125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2224-01	EO-01-06042025	BF142764.D	12 Jun 2025 18:27		RC/JU	Ok,M
19	Q2225-01	SU-03-06042025	BF142765.D	12 Jun 2025 18:57		RC/JU	Ok,M
20	Q2206-01	TP-1	BF142766.D	12 Jun 2025 19:26		RC/JU	Ok,M
21	Q2195-01	OK-01-060325	BF142767.D	12 Jun 2025 19:56		RC/JU	Ok,M
22	Q2283-01	MOO-25-0166-MOO-25	BF142768.D	12 Jun 2025 20:26		RC/JU	Ok,M
23	Q2278-01	TP-2	BF142769.D	12 Jun 2025 20:56	Need Straight Run	RC/JU	Not Ok
24	Q2286-01	LAW-25-0082-LAW-250	BF142770.D	12 Jun 2025 21:25	Out of Tune time.	RC/JU	Not Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP060625

Review By	Rahul	Review On	6/9/2025 11:36:10 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:09:52 PM		
SubDirectory	BP060625	HP Acquire Method	BNA_P	HP Processing Method	BP060625

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	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024859.D	06 Jun 2025 09:49		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP024860.D	06 Jun 2025 10:30		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP024861.D	06 Jun 2025 11:11		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP024862.D	06 Jun 2025 11:52		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP024863.D	06 Jun 2025 12:33	Calibration is Good for 8270 E, 8270 DOD and 625.1 methods.	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP024864.D	06 Jun 2025 13:14	Compound#54 & 56 are Kept on LR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BP024865.D	06 Jun 2025 13:56		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BP024866.D	06 Jun 2025 14:37		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BP024867.D	06 Jun 2025 15:18		RC/JU	Ok
10	SSTDICV040	ICVBP060625	BP024868.D	06 Jun 2025 17:09		RC/JU	Ok,M
11	PB168259BL	PB168259BL	BP024869.D	06 Jun 2025 17:50		RC/JU	Ok

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP061025

Review By	anahy	Review On	6/11/2025 9:57:08 AM		
Supervise By	Jagrut	Supervise On	6/11/2025 9:57:38 AM		
SubDirectory	BP061025	HP Acquire Method	BNA_P	HP Processing Method	BP060625

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	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024887.D	10 Jun 2025 10:12		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024888.D	10 Jun 2025 10:53		RC/JU	Ok
3	PB168321BL	PB168321BL	BP024889.D	10 Jun 2025 11:33		RC/JU	Ok
4	PB168321BS	PB168321BS	BP024890.D	10 Jun 2025 12:14		RC/JU	Ok
5	Q2266-01	WC-3	BP024891.D	10 Jun 2025 13:02		RC/JU	Ok
6	Q2265-01	TP11-MHL-WC	BP024892.D	10 Jun 2025 13:43		RC/JU	Ok
7	Q2266-08RE	WC-5RE	BP024893.D	10 Jun 2025 14:24	Internal Standard Fail and Surrogate fail	RC/JU	Confirms
8	Q2176-08	TP-65	BP024894.D	10 Jun 2025 15:05		RC/JU	Ok
9	Q2177-02	B-187-SB01	BP024895.D	10 Jun 2025 15:46	Need 5X Dilution	RC/JU	Dilution
10	Q2161-02	B28-SOIL-SAMPLE	BP024896.D	10 Jun 2025 16:27	Surrogate Fail	RC/JU	Ok
11	Q2176-06	TP-27	BP024897.D	10 Jun 2025 17:08		RC/JU	Ok
12	Q2246-01	BU-03-060525	BP024898.D	10 Jun 2025 17:49		RC/JU	Ok,M
13	Q2177-06	B-202-SB01	BP024899.D	10 Jun 2025 18:30		RC/JU	Ok,M
14	Q2240-09	TP-1	BP024900.D	10 Jun 2025 19:10		RC/JU	Ok,M
15	Q2176-04	TP-26	BP024901.D	10 Jun 2025 19:51		RC/JU	Ok,M
16	Q2161-01	B27-SOIL-SAMPLE	BP024902.D	10 Jun 2025 20:32		RC/JU	Ok
17	Q2240-05	TP-2	BP024903.D	10 Jun 2025 21:13		RC/JU	Ok,M

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP061125

Review By	anahy	Review On	6/12/2025 9:31:34 AM		
Supervise By	mohammad	Supervise On	6/13/2025 9:04:12 AM		
SubDirectory	BP061125	HP Acquire Method	BNA_P	HP Processing Method	BP060625

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024904.D	11 Jun 2025 09:29		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024905.D	11 Jun 2025 10:09		RC/JU	Ok,M
3	PB168300BL	PB168300BL	BP024906.D	11 Jun 2025 10:50		RC/JU	Ok
4	PB168300BS	PB168300BS	BP024907.D	11 Jun 2025 11:31		RC/JU	Ok
5	Q2176-03	TP-25	BP024908.D	11 Jun 2025 12:18		RC/JU	Ok
6	Q2176-05	TP-28	BP024909.D	11 Jun 2025 12:59		RC/JU	Ok
7	Q2207-01	BU-703-COMP-01	BP024910.D	11 Jun 2025 13:40		RC/JU	Ok
8	Q2227-01	TP07-MHH-WC	BP024911.D	11 Jun 2025 14:21		RC/JU	Ok
9	Q2228-01	TP08-MHI-WC	BP024912.D	11 Jun 2025 15:02		RC/JU	Ok
10	Q2226-01	TP06-MHI-WC	BP024913.D	11 Jun 2025 15:43		RC/JU	Ok
11	Q2244-01	TP03-MHC	BP024914.D	11 Jun 2025 16:24		RC/JU	Ok
12	Q2244-01MS	TP03-MHCMS	BP024915.D	11 Jun 2025 17:05		RC/JU	Ok
13	Q2244-01MSD	TP03-MHCMSD	BP024916.D	11 Jun 2025 17:46		RC/JU	Ok
14	Q2177-02DL	B-187-SB01DL	BP024917.D	11 Jun 2025 18:27		RC/JU	Ok,M
15	Q2241-01	TP-N	BP024918.D	11 Jun 2025 19:08		RC/JU	Ok
16	Q2198-03	B-207-SB02	BP024919.D	11 Jun 2025 19:49		RC/JU	Ok,M
17	Q2125-07	GSB3	BP024920.D	11 Jun 2025 20:30		RC/JU	Ok
18	Q2241-05	TP-S	BP024921.D	11 Jun 2025 21:11		RC/JU	Ok

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP061125

Review By	anahy	Review On	6/12/2025 9:31:34 AM		
Supervise By	mohammad	Supervise On	6/13/2025 9:04:12 AM		
SubDirectory	BP061125	HP Acquire Method	BNA_P	HP Processing Method	BP060625

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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EXTRACTION LOGPAGE

PB168234

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	06/04/2025
Matrix :	Solid			**Extraction Start Time :**	09:10
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	06/04/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:40
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	50/100 PPM	SP6794
Surrogate	1.0ML	100/150 PPM	SP6754
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2612
Baked Na2SO4	N/A	EP2620
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, Q2161 is Extracted out of holding time.

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 12:45	RS (Ext lab)	RC/SVOC
	Preparation Group	**Analysis Group**

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EXTRACTION LOGPAGE

PrepBatch ID : PB168234

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				
PB168234BL	SBLK234	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			U3-1
PB168234BS	SLCS234	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q2125-07	GSB3	SVOCMS Group1	30.07	N/A	ritesh	Evelyn	1			3
Q2159-01	TP05-MHO-WC	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		4
Q2159-01MS	TP05-MHO-WCMS	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		5
Q2159-01MSD	TP05-MHO-WCMSD	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E		6
Q2160-01	TP04-MHG-WC	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		U6-1
Q2160-05	TP05-MHG-WC	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E		2
Q2161-01	B27-SOIL-SAMPLE	SVOCMS Group1	30.06	N/A	ritesh	Evelyn	1	B		3
Q2161-02	B28-SOIL-SAMPLE	SVOCMS Group1	30.08	N/A	ritesh	Evelyn	1	B		4
Q2172-01	TP06-MHQ	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	E		5
Q2173-01	OR-400-CF-402B-COMP-23	SVOC-TCL BNA -20	50.01	N/A	ritesh	Evelyn	1	E		6
Q2173-07	OR-400-CF-402B-COMP-24	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E		U1-1
Q2173-13	OR-400-CF-402B-COMP-25	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	E		2
Q2176-01	TP-46	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	E		3
Q2176-02	TP-56	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		4
Q2176-03	TP-25	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		5
Q2176-04	TP-26	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	E		6
Q2176-05	TP-28	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		U2-1
Q2176-06	TP-27	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	E		2
Q2176-07	TP-31	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		3
Q2176-08	TP-65	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		4
Q2185-01	TP02-MHB-WC	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	B		5
Q2185-05	TP01-MHB-WC	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	B		6

RS 6/4

* **Extracts relinquished on the same date as received.**

168234
9:10

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2173 **WorkList ID :** 189861 **Department :** Extraction **Date :** 06-04-2025 09:03:52

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2176-01	TP-46	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/28/2025	8270E
Q2176-02	TP-56	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/29/2025	8270E
Q2176-03	TP-25	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/29/2025	8270E
Q2176-04	TP-26	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/29/2025	8270E
Q2176-05	TP-28	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/29/2025	8270E
Q2176-06	TP-27	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/29/2025	8270E
Q2176-07	TP-31	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/29/2025	8270E
Q2176-08	TP-65	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/30/2025	8270E
Q2125-07	GSB3	Solid	SVOCMS Group1	Cool 4 deg C	GENV01	L31	05/23/2025	8270E
Q2161-01	B27-SOIL-SAMPLE	Solid	SVOCMS Group1	Cool 4 deg C	SCAL01	L41	05/12/2025	8270E
Q2161-02	B28-SOIL-SAMPLE	Solid	SVOCMS Group1	Cool 4 deg C	SCAL01	L41	05/12/2025	8270E
Q2159-01	TP05-MHO-WC	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/29/2025	8270E
Q2160-01	TP04-MHG-WC	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/29/2025	8270E
Q2160-05	TP05-MHH-WC	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/29/2025	8270E
Q2172-01	TP06-MHQ	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	05/30/2025	8270E
Q2173-01	OR-400-CF-402B-COMP-23	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	05/30/2025	8270E
Q2173-07	OR-400-CF-402B-COMP-24	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	05/30/2025	8270E
Q2173-13	OR-400-CF-402B-COMP-25	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	05/30/2025	8270E
Q2185-01	TP02-MHB-WC	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	06/02/2025	8270E
Q2185-05	TP01-MHB-WC	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	06/02/2025	8270E

Date/Time 06/04/25 9:05
Raw Sample Received by: RJ (LEFT-Keb)
Raw Sample Relinquished by: RM SM

Date/Time 06/04/25 9:35
Raw Sample Received by: RM SM
Raw Sample Relinquished by: RJ (LEFT-Keb)

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LAB CHRONICLE

OrderID:	Q2176	**OrderDate:**	5/30/2025 4:04:00 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
Q2176-01	**TP-46**	**SOIL**			**05/28/25**			**05/30/25**
			SVOC-TCL BNA -20	8270E		06/04/25	06/06/25	
Q2176-02	**TP-56**	**SOIL**			**05/29/25**			**05/30/25**
			SVOC-TCL BNA -20	8270E		06/04/25	06/12/25	
Q2176-03	**TP-25**	**SOIL**			**05/29/25**			**05/30/25**
			SVOC-TCL BNA -20	8270E		06/04/25	06/11/25	
Q2176-04	**TP-26**	**SOIL**			**05/29/25**			**05/30/25**
			SVOC-TCL BNA -20	8270E		06/04/25	06/10/25	
Q2176-05	**TP-28**	**SOIL**			**05/29/25**			**05/30/25**
			SVOC-TCL BNA -20	8270E		06/04/25	06/11/25	
Q2176-06	**TP-27**	**SOIL**			**05/29/25**			**05/30/25**
			SVOC-TCL BNA -20	8270E		06/04/25	06/10/25	
Q2176-07	**TP-31**	**SOIL**			**05/29/25**			**05/30/25**
			SVOC-TCL BNA -20	8270E		06/04/25	06/06/25	
Q2176-08	**TP-65**	**SOIL**			**05/30/25**			**05/30/25**
			SVOC-TCL BNA -20	8270E		06/04/25	06/10/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2176 **Order ID:** Q2176

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-25								
Q2176-03	TP-25	SOIL	Dieldrin	0.26	J	0.16	2.00	ug/kg
			Total Concentration:	**0.260**				
Client ID : TP-26								
Q2176-04	TP-26	SOIL	4,4-DDE	1.40	J	0.16	2.00	ug/kg
Q2176-04	TP-26	SOIL	alpha-Chlordane	5.10	P	0.14	2.00	ug/kg
Q2176-04	TP-26	SOIL	gamma-Chlordane	2.90	P	0.18	2.00	ug/kg
			Total Concentration:	**9.400**				

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-46	SDG No.:	Q2176
Lab Sample ID:	Q2176-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095885.D	1	06/03/25 09:30	06/03/25 14:14	PB168253

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	39.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.8		20 - 144	79%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.8		19 - 148	94%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-46	SDG No.:	Q2176
Lab Sample ID:	Q2176-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095885.D	1	06/03/25 09:30	06/03/25 14:14	PB168253

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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-56	SDG No.:	Q2176
Lab Sample ID:	Q2176-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.2 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
PL095886.D	1	06/03/25 09:30	06/03/25 14:28	PB168253

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	13.1		20 - 144	66%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.1		19 - 148	96%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-56	SDG No.:	Q2176
Lab Sample ID:	Q2176-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.2 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
PL095886.D	1	06/03/25 09:30	06/03/25 14:28	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25	SDG No.:	Q2176
Lab Sample ID:	Q2176-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.7 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
PL095887.D	1	06/03/25 09:30	06/03/25 14:42	PB168253

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	0.26	J	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	38.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.7		20 - 144	73%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.3		19 - 148	101%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25	SDG No.:	Q2176
Lab Sample ID:	Q2176-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.7 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
PL095887.D	1	06/03/25 09:30	06/03/25 14:42	PB168253

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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-26	SDG No.:	Q2176
Lab Sample ID:	Q2176-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.2 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
PL095890.D	1	06/03/25 09:30	06/03/25 15:22	PB168253

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	1.40	J	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	5.10	P	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	2.90	P	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.2		20 - 144	56%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.7		19 - 148	63%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-26	SDG No.:	Q2176
Lab Sample ID:	Q2176-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.2 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
PL095890.D	1	06/03/25 09:30	06/03/25 15:22	PB168253

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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-28	SDG No.:	Q2176
Lab Sample ID:	Q2176-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.5 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095891.D	1	06/03/25 09:30	06/03/25 15:36	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.43	U	0.43	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.90	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.90	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.90	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.90	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.90	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.90	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.15	U	0.15	1.90	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.41	U	0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.00	U	6.00	36.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.2		20 - 144	71%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.2		19 - 148	91%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-28	SDG No.:	Q2176
Lab Sample ID:	Q2176-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.5 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095891.D	1	06/03/25 09:30	06/03/25 15:36	PB168253

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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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-27	SDG No.:	Q2176
Lab Sample ID:	Q2176-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.1 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
PL095892.D	1	06/03/25 09:30	06/03/25 15:50	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.16	U	0.16	2.00	ug/kg
319-85-7	beta-BHC	0.22	U	0.22	2.00	ug/kg
319-86-8	delta-BHC	0.47	U	0.47	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.17	U	0.17	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	2.00	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.00	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.00	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.00	ug/kg
72-20-8	Endrin	0.17	U	0.17	2.00	ug/kg
33213-65-9	Endosulfan II	0.35	U	0.35	2.00	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.16	U	0.16	2.00	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.00	ug/kg
72-43-5	Methoxychlor	0.44	U	0.44	2.00	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.44	U	0.44	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.18	U	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.50	U	6.50	39.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.72		20 - 144	44%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.3		19 - 148	61%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-27	SDG No.:	Q2176
Lab Sample ID:	Q2176-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.1 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
PL095892.D	1	06/03/25 09:30	06/03/25 15:50	PB168253

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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-31	SDG No.:	Q2176
Lab Sample ID:	Q2176-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.8 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
PL095893.D	1	06/03/25 09:30	06/03/25 16:03	PB168253

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	0.33	U	0.33	2.00	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	0.16	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	6.20	U	6.20	37.9	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.79		20 - 144	44%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.6		19 - 148	83%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-31	SDG No.:	Q2176
Lab Sample ID:	Q2176-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.8 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
PL095893.D	1	06/03/25 09:30	06/03/25 16:03	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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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:	TP-65	SDG No.:	Q2176
Lab Sample ID:	Q2176-08	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.3 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095894.D	1	06/03/25 09:30	06/03/25 16:17	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	1.90	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	1.90	ug/kg
319-86-8	delta-BHC	0.45	U	0.45	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	1.90	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	1.90	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	1.90	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	1.90	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	1.90	ug/kg
72-43-5	Methoxychlor	0.42	U	0.42	1.90	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.42	U	0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	37.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	9.69		20 - 144	48%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.9		19 - 148	69%	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:	TP-65	SDG No.:	Q2176
Lab Sample ID:	Q2176-08	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.3 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095894.D	1	06/03/25 09:30	06/03/25 16:17	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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QC SUMMARY

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Surrogate Summary

SDG No.: Q2176

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		57	171
		Tetrachloro-m-xylene	1	20	16.4	82		61	148
		Decachlorobiphenyl	2	20	17.5	88		57	171
		Tetrachloro-m-xylene	2	20	16.0	80		61	148
I.BLK-PL095878.D	PIBLK-PL095878.D	Decachlorobiphenyl	1	20	23.3	116		57	171
		Tetrachloro-m-xylene	1	20	24.5	123		61	148
		Decachlorobiphenyl	2	20	22.2	111		57	171
		Tetrachloro-m-xylene	2	20	23.0	115		61	148
PB168253BL	PB168253BL	Decachlorobiphenyl	1	20	20.8	104		20	144
		Tetrachloro-m-xylene	1	20	20.8	104		19	148
		Decachlorobiphenyl	2	20	19.2	96		20	144
		Tetrachloro-m-xylene	2	20	19.3	97		19	148
PB168253BS	PB168253BS	Decachlorobiphenyl	1	20	19.9	100		20	144
		Tetrachloro-m-xylene	1	20	20.2	101		19	148
		Decachlorobiphenyl	2	20	19.5	98		20	144
		Tetrachloro-m-xylene	2	20	19.2	96		19	148
Q2176-01	TP-46	Decachlorobiphenyl	1	20	15.8	79		20	144
		Tetrachloro-m-xylene	1	20	18.8	94		19	148
		Decachlorobiphenyl	2	20	15.6	78		20	144
		Tetrachloro-m-xylene	2	20	18.4	92		19	148
Q2176-02	TP-56	Decachlorobiphenyl	1	20	13.1	66		20	144
		Tetrachloro-m-xylene	1	20	19.1	96		19	148
		Decachlorobiphenyl	2	20	12.7	63		20	144
		Tetrachloro-m-xylene	2	20	18.5	93		19	148
Q2176-03	TP-25	Decachlorobiphenyl	1	20	14.7	73		20	144
		Tetrachloro-m-xylene	1	20	20.3	101		19	148
		Decachlorobiphenyl	2	20	14.7	73		20	144
		Tetrachloro-m-xylene	2	20	19.8	99		19	148
Q2176-03MS	TP-25MS	Decachlorobiphenyl	1	20	11.5	58		20	144
		Tetrachloro-m-xylene	1	20	15.8	79		19	148
		Decachlorobiphenyl	2	20	11.4	57		20	144
		Tetrachloro-m-xylene	2	20	15.1	76		19	148
Q2176-03MSD	TP-25MSD	Decachlorobiphenyl	1	20	11.5	57		20	144
		Tetrachloro-m-xylene	1	20	15.4	77		19	148
		Decachlorobiphenyl	2	20	11.4	57		20	144
		Tetrachloro-m-xylene	2	20	14.8	74		19	148
Q2176-04	TP-26	Decachlorobiphenyl	1	20	11.2	56		20	144
		Tetrachloro-m-xylene	1	20	12.3	62		19	148
		Decachlorobiphenyl	2	20	8.34	42		20	144
		Tetrachloro-m-xylene	2	20	12.7	63		19	148
Q2176-05	TP-28	Decachlorobiphenyl	1	20	14.2	71		20	144

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Surrogate Summary

SDG No.: Q2176

Client: CDM Smith

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
Q2176-05	TP-28	Tetrachloro-m-xylene	1	20	18.1	90		19	148
		Decachlorobiphenyl	2	20	11.9	59		20	144
		Tetrachloro-m-xylene	2	20	18.2	91		19	148
Q2176-06	TP-27	Decachlorobiphenyl	1	20	8.72	44		20	144
		Tetrachloro-m-xylene	1	20	12.3	61		19	148
		Decachlorobiphenyl	2	20	8.32	42		20	144
		Tetrachloro-m-xylene	2	20	12.1	61		19	148
Q2176-07	TP-31	Decachlorobiphenyl	1	20	8.79	44		20	144
		Tetrachloro-m-xylene	1	20	16.5	83		19	148
		Decachlorobiphenyl	2	20	8.22	41		20	144
		Tetrachloro-m-xylene	2	20	16.6	83		19	148
Q2176-08	TP-65	Decachlorobiphenyl	1	20	9.69	48		20	144
		Tetrachloro-m-xylene	1	20	13.9	69		19	148
		Decachlorobiphenyl	2	20	7.97	40		20	144
		Tetrachloro-m-xylene	2	20	13.6	68		19	148
I.BLK-PL095896.D	PIBLK-PL095896.D	Decachlorobiphenyl	1	20	19.8	99		57	171
		Tetrachloro-m-xylene	1	20	22.6	113		61	148
		Decachlorobiphenyl	2	20	17.9	90		57	171
		Tetrachloro-m-xylene	2	20	23.0	115		61	148

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2176 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PL095888.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-25MS**											
Q2176-03MS (Column 1)	alpha-BHC	19.43	0	17.8	ug/kg	92				60	144	
	beta-BHC	19.43	0	17.0	ug/kg	87				54	143	
	delta-BHC	19.43	0	17.5	ug/kg	90				29	151	
	gamma-BHC (Lindane)	19.43	0	17.7	ug/kg	91				61	140	
	Heptachlor	19.43	0	17.3	ug/kg	89				63	135	
	Aldrin	19.43	0	17.7	ug/kg	91				49	139	
	Heptachlor epoxide	19.43	0	17.8	ug/kg	92				41	156	
	Endosulfan I	19.43	0	17.5	ug/kg	90				56	142	
	Dieldrin	19.43	0.18	17.7	ug/kg	90				47	161	
	4,4'-DDE	19.43	0	16.6	ug/kg	85				55	136	
	Endrin	19.43	0	16.8	ug/kg	86				57	139	
	Endosulfan II	19.43	0	16.5	ug/kg	85				40	163	
	4,4'-DDD	19.43	0	17.8	ug/kg	92				47	163	
	Endosulfan sulfate	19.43	0	16.6	ug/kg	85				62	139	
	4,4'-DDT	19.43	0	16.3	ug/kg	84				51	146	
	Methoxychlor	19.43	0	16.5	ug/kg	85				54	136	
	Endrin ketone	19.43	0	17.7	ug/kg	91				60	129	
	Endrin aldehyde	19.43	0	16.7	ug/kg	86				59	132	
	alpha-Chlordane	19.43	0	17.3	ug/kg	89				39	166	
	gamma-Chlordane	19.43	0	17.6	ug/kg	91				44	175	
Client Sample ID:	**TP-25MS**											
Q2176-03MS (Column 2)	alpha-BHC	19.43	0	18.2	ug/kg	94				60	144	
	beta-BHC	19.43	0	17.5	ug/kg	90				54	143	
	delta-BHC	19.43	0	17.8	ug/kg	92				29	151	
	gamma-BHC (Lindane)	19.43	0	18.0	ug/kg	93				61	140	
	Heptachlor	19.43	0	17.5	ug/kg	90				63	135	
	Aldrin	19.43	0	17.9	ug/kg	92				49	139	
	Heptachlor epoxide	19.43	0	17.7	ug/kg	91				41	156	
	Endosulfan I	19.43	0	17.3	ug/kg	89				56	142	
	Dieldrin	19.43	0.26	17.4	ug/kg	90				47	161	
	4,4'-DDE	19.43	0	17.3	ug/kg	89				55	136	
	Endrin	19.43	0	16.8	ug/kg	86				57	139	
	Endosulfan II	19.43	0	17.0	ug/kg	87				40	163	
	4,4'-DDD	19.43	0	17.1	ug/kg	88				47	163	
	Endosulfan sulfate	19.43	0	16.8	ug/kg	86				62	139	
	4,4'-DDT	19.43	0	16.3	ug/kg	84				51	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2176 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PL095888.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Q2176-03MS (Column 2)	Methoxychlor	19.43	0	15.8	ug/kg	81				54	136	
	Endrin ketone	19.43	0	16.9	ug/kg	87				60	129	
	Endrin aldehyde	19.43	0	17.0	ug/kg	87				59	132	
	alpha-Chlordane	19.43	0	17.5	ug/kg	90				39	166	
	gamma-Chlordane	19.43	0	17.6	ug/kg	91				44	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2176 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PL095889.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-25MSD**											
Q2176-03MSD (Column 1)	alpha-BHC	19.4	0	17.6	ug/kg	91		1		60	144	20
	beta-BHC	19.4	0	16.8	ug/kg	87		0		54	143	20
	delta-BHC	19.4	0	17.4	ug/kg	90		0		29	151	20
	gamma-BHC (Lindane)	19.4	0	17.5	ug/kg	90		1		61	140	20
	Heptachlor	19.4	0	17.0	ug/kg	88		1		63	135	20
	Aldrin	19.4	0	17.6	ug/kg	91		0		49	139	20
	Heptachlor epoxide	19.4	0	17.7	ug/kg	91		1		41	156	20
	Endosulfan I	19.4	0	17.3	ug/kg	89		1		56	142	20
	Dieldrin	19.4	0.18	17.6	ug/kg	89		1		47	161	20
	4,4'-DDE	19.4	0	16.9	ug/kg	87		2		55	136	20
	Endrin	19.4	0	16.7	ug/kg	86		0		57	139	20
	Endosulfan II	19.4	0	16.5	ug/kg	85		0		40	163	20
	4,4'-DDD	19.4	0	17.7	ug/kg	91		1		47	163	20
	Endosulfan sulfate	19.4	0	16.8	ug/kg	87		2		62	139	20
	4,4'-DDT	19.4	0	16.3	ug/kg	84		0		51	146	20
	Methoxychlor	19.4	0	16.2	ug/kg	84		1		54	136	20
	Endrin ketone	19.4	0	17.4	ug/kg	90		1		60	129	20
	Endrin aldehyde	19.4	0	16.6	ug/kg	86		0		59	132	20
	alpha-Chlordane	19.4	0	17.2	ug/kg	89		0		39	166	20
	gamma-Chlordane	19.4	0	17.6	ug/kg	91		0		44	175	20
Client Sample ID:	**TP-25MSD**											
Q2176-03MSD (Column 2)	alpha-BHC	19.4	0	18.0	ug/kg	93		1		60	144	20
	beta-BHC	19.4	0	17.3	ug/kg	89		1		54	143	20
	delta-BHC	19.4	0	17.6	ug/kg	91		1		29	151	20
	gamma-BHC (Lindane)	19.4	0	17.8	ug/kg	92		1		61	140	20
	Heptachlor	19.4	0	17.1	ug/kg	88		2		63	135	20
	Aldrin	19.4	0	17.8	ug/kg	92		0		49	139	20
	Heptachlor epoxide	19.4	0	17.7	ug/kg	91		0		41	156	20
	Endosulfan I	19.4	0	17.2	ug/kg	89		0		56	142	20
	Dieldrin	19.4	0.26	17.3	ug/kg	89		1		47	161	20
	4,4'-DDE	19.4	0	17.0	ug/kg	88		1		55	136	20
	Endrin	19.4	0	16.5	ug/kg	85		1		57	139	20
	Endosulfan II	19.4	0	17.0	ug/kg	88		1		40	163	20
	4,4'-DDD	19.4	0	17.0	ug/kg	88		0		47	163	20
	Endosulfan sulfate	19.4	0	16.7	ug/kg	86		0		62	139	20
	4,4'-DDT	19.4	0	16.1	ug/kg	83		1		51	146	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2176 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PL095889.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Q2176-03MSD (Column 2)	Methoxychlor	19.4	0	15.7	ug/kg	81		0		54	136	20
	Endrin ketone	19.4	0	17.0	ug/kg	88		1		60	129	20
	Endrin aldehyde	19.4	0	17.0	ug/kg	88		1		59	132	20
	alpha-Chlordane	19.4	0	17.4	ug/kg	90		0		39	166	20
	gamma-Chlordane	19.4	0	17.5	ug/kg	90		1		44	175	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2176 **Analytical Method:** 8081B

Client: CDM Smith **Datafile :** PL095882.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168253BS (Column 1)	alpha-BHC	16.65	16.8	ug/kg	101				84	123	
	beta-BHC	16.65	16.4	ug/kg	98				82	123	
	delta-BHC	16.65	16.6	ug/kg	100				83	126	
	gamma-BHC (Lindane)	16.65	16.8	ug/kg	101				83	125	
	Heptachlor	16.65	16.4	ug/kg	98				83	122	
	Aldrin	16.65	17.0	ug/kg	102				82	124	
	Heptachlor epoxide	16.65	16.9	ug/kg	102				83	120	
	Endosulfan I	16.65	16.7	ug/kg	100				81	124	
	Dieldrin	16.65	17.0	ug/kg	102				85	121	
	4,4'-DDE	16.65	16.6	ug/kg	100				81	123	
	Endrin	16.65	15.6	ug/kg	94				76	130	
	Endosulfan II	16.65	15.7	ug/kg	94				80	125	
	4,4'-DDD	16.65	16.7	ug/kg	100				80	131	
	Endosulfan sulfate	16.65	16.4	ug/kg	98				81	122	
	4,4'-DDT	16.65	15.6	ug/kg	94				70	129	
	Methoxychlor	16.65	15.6	ug/kg	94				60	119	
	Endrin ketone	16.65	16.8	ug/kg	101				77	132	
	Endrin aldehyde	16.65	16.6	ug/kg	100				79	124	
	alpha-Chlordane	16.65	16.7	ug/kg	100				84	120	
	gamma-Chlordane	16.65	16.9	ug/kg	102				83	122	
PB168253BS (Column 2)	alpha-BHC	16.65	17.0	ug/kg	102				84	123	
	beta-BHC	16.65	16.4	ug/kg	98				82	123	
	delta-BHC	16.65	16.8	ug/kg	101				83	126	
	gamma-BHC (Lindane)	16.65	16.9	ug/kg	102				83	125	
	Heptachlor	16.65	16.6	ug/kg	100				83	122	
	Aldrin	16.65	17.0	ug/kg	102				82	124	
	Heptachlor epoxide	16.65	16.9	ug/kg	102				83	120	
	Endosulfan I	16.65	16.8	ug/kg	101				81	124	
	Dieldrin	16.65	16.6	ug/kg	100				85	121	
	4,4'-DDE	16.65	16.3	ug/kg	98				81	123	
	Endrin	16.65	15.6	ug/kg	94				76	130	
	Endosulfan II	16.65	16.5	ug/kg	99				80	125	
	4,4'-DDD	16.65	17.1	ug/kg	103				80	131	
	Endosulfan sulfate	16.65	16.5	ug/kg	99				81	122	
	4,4'-DDT	16.65	15.1	ug/kg	91				70	129	
	Methoxychlor	16.65	14.4	ug/kg	86				60	119	
	Endrin ketone	16.65	16.9	ug/kg	102				77	132	
	Endrin aldehyde	16.65	16.6	ug/kg	100				79	124	
	alpha-Chlordane	16.65	16.7	ug/kg	100				84	120	
	gamma-Chlordane	16.65	16.9	ug/kg	102				83	122	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168253BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Lab Sample ID: PB168253BL Lab File ID: PL095881.D

Matrix: (soil/water) Solid Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 06/03/2025

Date Analyzed (1): 06/03/2025 Date Analyzed (2): 06/03/2025

Time Analyzed (1): 12:49 Time Analyzed (2): 12:49

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
PB168253BS	PB168253BS	PL095882.D	06/03/2025	06/03/2025
TP-46	Q2176-01	PL095885.D	06/03/2025	06/03/2025
TP-56	Q2176-02	PL095886.D	06/03/2025	06/03/2025
TP-25	Q2176-03	PL095887.D	06/03/2025	06/03/2025
TP-25MS	Q2176-03MS	PL095888.D	06/03/2025	06/03/2025
TP-25MSD	Q2176-03MSD	PL095889.D	06/03/2025	06/03/2025
TP-26	Q2176-04	PL095890.D	06/03/2025	06/03/2025
TP-28	Q2176-05	PL095891.D	06/03/2025	06/03/2025
TP-27	Q2176-06	PL095892.D	06/03/2025	06/03/2025
TP-31	Q2176-07	PL095893.D	06/03/2025	06/03/2025
TP-65	Q2176-08	PL095894.D	06/03/2025	06/03/2025

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:	PB168253BL	SDG No.:	Q2176
Lab Sample ID:	PB168253BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 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
PL095881.D	1	06/03/25 09:30	06/03/25 12:49	PB168253

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	20.8		20 - 144	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.8		19 - 148	104%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168253BL	SDG No.:	Q2176
Lab Sample ID:	PB168253BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 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
PL095881.D	1	06/03/25 09:30	06/03/25 12:49	PB168253

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.:	Q2176
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		57 - 171	91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.4		61 - 148	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.:	Q2176
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:	06/03/25
Project:	South River WM Replacement	Date Received:	06/03/25
Client Sample ID:	PIBLK-PL095878.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PL095878.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
PL095878.D	1		06/03/25	pl060325

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	23.3		57 - 171	116%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.5		61 - 148	123%	SPK: 20

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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-PL095878.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PL095878.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
PL095878.D	1		06/03/25	pl060325

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:	06/03/25
Project:	South River WM Replacement	Date Received:	06/03/25
Client Sample ID:	PIBLK-PL095896.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PL095896.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
PL095896.D	1		06/03/25	pl060325

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	19.8		57 - 171	99%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.0		61 - 148	115%	SPK: 20

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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-PL095896.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PL095896.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
PL095896.D	1		06/03/25	pl060325

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:	PB168253BS	SDG No.:	Q2176
Lab Sample ID:	PB168253BS	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
PL095882.D	1	06/03/25 09:30	06/03/25 13:03	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.0		0.13	1.70	ug/kg
319-85-7	beta-BHC	16.4		0.18	1.70	ug/kg
319-86-8	delta-BHC	16.8		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	16.9		0.14	1.70	ug/kg
76-44-8	Heptachlor	16.6		0.12	1.70	ug/kg
309-00-2	Aldrin	17.0		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	16.9		0.19	1.70	ug/kg
959-98-8	Endosulfan I	16.8		0.14	1.70	ug/kg
60-57-1	Dieldrin	17.0		0.14	1.70	ug/kg
72-55-9	4,4-DDE	16.6		0.14	1.70	ug/kg
72-20-8	Endrin	15.6		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	16.5		0.29	1.70	ug/kg
72-54-8	4,4-DDD	17.1		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	16.5		0.13	1.70	ug/kg
50-29-3	4,4-DDT	15.6		0.14	1.70	ug/kg
72-43-5	Methoxychlor	15.6		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	16.9		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	16.6		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	16.7		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	16.9		0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.9		20 - 144	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.2		19 - 148	101%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168253BS	SDG No.:	Q2176
Lab Sample ID:	PB168253BS	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
PL095882.D	1	06/03/25 09:30	06/03/25 13:03	PB168253

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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25MS	SDG No.:	Q2176
Lab Sample ID:	Q2176-03MS	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
PL095888.D	1	06/03/25 09:30	06/03/25 14:55	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	18.2		0.15	2.00	ug/kg
319-85-7	beta-BHC	17.5		0.21	2.00	ug/kg
319-86-8	delta-BHC	17.8		0.45	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	18.0		0.16	2.00	ug/kg
76-44-8	Heptachlor	17.5		0.14	2.00	ug/kg
309-00-2	Aldrin	17.9		0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	17.8		0.22	2.00	ug/kg
959-98-8	Endosulfan I	17.5		0.16	2.00	ug/kg
60-57-1	Dieldrin	17.7		0.16	2.00	ug/kg
72-55-9	4,4-DDE	17.3		0.16	2.00	ug/kg
72-20-8	Endrin	16.8		0.16	2.00	ug/kg
33213-65-9	Endosulfan II	17.0		0.34	2.00	ug/kg
72-54-8	4,4-DDD	17.8		0.17	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	16.8		0.15	2.00	ug/kg
50-29-3	4,4-DDT	16.3		0.16	2.00	ug/kg
72-43-5	Methoxychlor	16.5		0.43	2.00	ug/kg
53494-70-5	Endrin ketone	17.7		0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	17.0		0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	17.5		0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	17.6		0.17	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.5		20 - 144	58%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.8		19 - 148	79%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25MS	SDG No.:	Q2176
Lab Sample ID:	Q2176-03MS	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
PL095888.D	1	06/03/25 09:30	06/03/25 14:55	PB168253

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
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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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25MSD	SDG No.:	Q2176
Lab Sample ID:	Q2176-03MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.7 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
PL095889.D	1	06/03/25 09:30	06/03/25 15:09	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	18.0		0.15	2.00	ug/kg
319-85-7	beta-BHC	17.3		0.21	2.00	ug/kg
319-86-8	delta-BHC	17.6		0.45	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	17.8		0.16	2.00	ug/kg
76-44-8	Heptachlor	17.1		0.14	2.00	ug/kg
309-00-2	Aldrin	17.8		0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	17.7		0.22	2.00	ug/kg
959-98-8	Endosulfan I	17.3		0.16	2.00	ug/kg
60-57-1	Dieldrin	17.6		0.16	2.00	ug/kg
72-55-9	4,4-DDE	17.0		0.16	2.00	ug/kg
72-20-8	Endrin	16.7		0.16	2.00	ug/kg
33213-65-9	Endosulfan II	17.0		0.34	2.00	ug/kg
72-54-8	4,4-DDD	17.7		0.17	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	16.8		0.15	2.00	ug/kg
50-29-3	4,4-DDT	16.3		0.16	2.00	ug/kg
72-43-5	Methoxychlor	16.2		0.43	2.00	ug/kg
53494-70-5	Endrin ketone	17.4		0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	17.0		0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	17.4		0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	17.6		0.17	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.5		20 - 144	57%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.4		19 - 148	77%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25MSD	SDG No.:	Q2176
Lab Sample ID:	Q2176-03MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.7 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
PL095889.D	1	06/03/25 09:30	06/03/25 15:09	PB168253

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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/21/2025 05/21/2025

Continuing Calib Time: 09:56 **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	4.02	4.03	3.93	4.13	0.01
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	4.95	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	6.37	6.38	6.28	6.48	0.01
4,4'-DDE	6.22	6.22	6.12	6.32	0.00
Endrin	6.60	6.60	6.50	6.70	0.00
Endosulfan II	6.81	6.82	6.72	6.92	0.01
4,4'-DDD	6.73	6.73	6.63	6.83	0.00
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	6.94	6.94	6.84	7.04	0.00
alpha-Chlordane	6.05	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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/21/2025 05/21/2025

Continuing Calib Time: 09:56 **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	0.00
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	5.92	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	5.19	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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/03/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095880.D **Time Analyzed:** 09:56

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.732	6.634	6.834	54.330	50.000	8.7
4,4'-DDE	6.223	6.124	6.324	52.600	50.000	5.2
4,4'-DDT	7.048	6.950	7.150	50.810	50.000	1.6
Aldrin	5.296	5.197	5.397	55.700	50.000	11.4
alpha-BHC	4.024	3.925	4.125	55.670	50.000	11.3
alpha-Chlordane	6.053	5.954	6.154	54.590	50.000	9.2
beta-BHC	4.543	4.444	4.644	54.960	50.000	9.9
Decachlorobiphenyl	9.099	9.003	9.203	50.410	50.000	0.8
delta-BHC	4.792	4.692	4.892	54.900	50.000	9.8
Dieldrin	6.374	6.275	6.475	54.900	50.000	9.8
Endosulfan I	6.100	6.002	6.202	54.550	50.000	9.1
Endosulfan II	6.814	6.715	6.915	49.230	50.000	-1.5
Endosulfan sulfate	7.176	7.078	7.278	52.640	50.000	5.3
Endrin	6.601	6.502	6.702	51.610	50.000	3.2
Endrin aldehyde	6.942	6.844	7.044	53.510	50.000	7.0
Endrin ketone	7.658	7.560	7.760	53.170	50.000	6.3
gamma-BHC (Lindane)	4.356	4.257	4.457	55.600	50.000	11.2
gamma-Chlordane	5.972	5.873	6.073	55.720	50.000	11.4
Heptachlor	4.953	4.855	5.055	54.350	50.000	8.7
Heptachlor epoxide	5.717	5.618	5.818	55.510	50.000	11.0
Methoxychlor	7.521	7.423	7.623	51.720	50.000	3.4
Tetrachloro-m-xylene	3.573	3.473	3.673	55.690	50.000	11.4

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/03/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095880.D **Time Analyzed:** 09:56

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.923	5.826	6.026	54.870	50.000	9.7
4,4'-DDE	5.372	5.274	5.474	53.030	50.000	6.1
4,4'-DDT	6.176	6.080	6.280	50.640	50.000	1.3
Aldrin	4.366	4.268	4.468	57.020	50.000	14.0
alpha-BHC	3.395	3.296	3.496	56.700	50.000	13.4
alpha-Chlordane	5.185	5.087	5.287	55.530	50.000	11.1
beta-BHC	4.024	3.926	4.126	55.470	50.000	10.9
Decachlorobiphenyl	8.059	7.964	8.164	51.100	50.000	2.2
delta-BHC	4.260	4.161	4.361	55.570	50.000	11.1
Dieldrin	5.505	5.408	5.608	55.500	50.000	11.0
Endosulfan I	5.240	5.143	5.343	50.760	50.000	1.5
Endosulfan II	6.069	5.973	6.173	54.320	50.000	8.6
Endosulfan sulfate	6.471	6.375	6.575	53.440	50.000	6.9
Endrin	5.778	5.683	5.883	51.800	50.000	3.6
Endrin aldehyde	6.248	6.151	6.351	54.090	50.000	8.2
Endrin ketone	6.977	6.880	7.080	53.690	50.000	7.4
gamma-BHC (Lindane)	3.729	3.630	3.830	56.170	50.000	12.3
gamma-Chlordane	5.120	5.023	5.223	55.590	50.000	11.2
Heptachlor	4.082	3.983	4.183	55.200	50.000	10.4
Heptachlor epoxide	4.868	4.771	4.971	55.170	50.000	10.3
Methoxychlor	6.747	6.651	6.851	49.000	50.000	-2.0
Tetrachloro-m-xylene	2.886	2.786	2.986	54.700	50.000	9.4

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/21/2025 05/21/2025

Continuing Calib Time: 17:01 **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	4.02	4.03	3.93	4.13	0.01
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	4.95	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	6.37	6.38	6.28	6.48	0.01
4,4'-DDE	6.22	6.22	6.12	6.32	0.00
Endrin	6.60	6.60	6.50	6.70	0.00
Endosulfan II	6.81	6.82	6.72	6.92	0.01
4,4'-DDD	6.73	6.73	6.63	6.83	0.00
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	6.94	6.94	6.84	7.04	0.00
alpha-Chlordane	6.05	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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/21/2025 05/21/2025

Continuing Calib Time: 17:01 **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	0.00
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	4.36	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	5.51	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	5.92	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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/03/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095897.D **Time Analyzed:** 17:01

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.733	6.634	6.834	46.270	50.000	-7.5
4,4'-DDE	6.222	6.124	6.324	46.320	50.000	-7.4
4,4'-DDT	7.047	6.950	7.150	44.000	50.000	-12.0
Aldrin	5.296	5.197	5.397	48.690	50.000	-2.6
alpha-BHC	4.024	3.925	4.125	50.060	50.000	0.1
alpha-Chlordane	6.052	5.954	6.154	47.030	50.000	-5.9
beta-BHC	4.543	4.444	4.644	49.130	50.000	-1.7
Decachlorobiphenyl	9.098	9.003	9.203	43.980	50.000	-12.0
delta-BHC	4.791	4.692	4.892	49.560	50.000	-0.9
Dieldrin	6.373	6.275	6.475	47.010	50.000	-6.0
Endosulfan I	6.100	6.002	6.202	47.200	50.000	-5.6
Endosulfan II	6.814	6.715	6.915	42.140	50.000	-15.7
Endosulfan sulfate	7.176	7.078	7.278	45.150	50.000	-9.7
Endrin	6.601	6.502	6.702	44.600	50.000	-10.8
Endrin aldehyde	6.942	6.844	7.044	46.040	50.000	-7.9
Endrin ketone	7.657	7.560	7.760	46.370	50.000	-7.3
gamma-BHC (Lindane)	4.356	4.257	4.457	49.830	50.000	-0.3
gamma-Chlordane	5.971	5.873	6.073	47.550	50.000	-4.9
Heptachlor	4.953	4.855	5.055	48.950	50.000	-2.1
Heptachlor epoxide	5.717	5.618	5.818	48.650	50.000	-2.7
Methoxychlor	7.520	7.423	7.623	44.540	50.000	-10.9
Tetrachloro-m-xylene	3.572	3.473	3.673	50.900	50.000	1.8

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/03/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095897.D **Time Analyzed:** 17:01

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.922	5.826	6.026	47.940	50.000	-4.1
4,4'-DDE	5.371	5.274	5.474	45.770	50.000	-8.5
4,4'-DDT	6.177	6.080	6.280	41.460	50.000	-17.1
Aldrin	4.364	4.268	4.468	51.850	50.000	3.7
alpha-BHC	3.395	3.296	3.496	53.460	50.000	6.9
alpha-Chlordane	5.184	5.087	5.287	49.960	50.000	-0.1
beta-BHC	4.024	3.926	4.126	51.510	50.000	3.0
Decachlorobiphenyl	8.059	7.964	8.164	42.370	50.000	-15.3
delta-BHC	4.259	4.161	4.361	52.410	50.000	4.8
Dieldrin	5.505	5.408	5.608	48.900	50.000	-2.2
Endosulfan I	5.240	5.143	5.343	45.990	50.000	-8.0
Endosulfan II	6.070	5.973	6.173	46.740	50.000	-6.5
Endosulfan sulfate	6.471	6.375	6.575	44.900	50.000	-10.2
Endrin	5.779	5.683	5.883	45.120	50.000	-9.8
Endrin aldehyde	6.248	6.151	6.351	46.350	50.000	-7.3
Endrin ketone	6.977	6.880	7.080	43.910	50.000	-12.2
gamma-BHC (Lindane)	3.729	3.630	3.830	52.270	50.000	4.5
gamma-Chlordane	5.120	5.023	5.223	49.880	50.000	-0.2
Heptachlor	4.081	3.983	4.183	51.390	50.000	2.8
Heptachlor epoxide	4.868	4.771	4.971	49.980	50.000	0.0
Methoxychlor	6.747	6.651	6.851	40.990	50.000	-18.0
Tetrachloro-m-xylene	2.886	2.786	2.986	51.450	50.000	2.9

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No. (PEM): PEM - PL095879.D **Date Analyzed:** 06/03/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:42

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.098	9.000	9.200	22.730	20.000	13.7
Tetrachloro-m-xylene	3.572	3.520	3.620	23.620	20.000	18.1
alpha-BHC	4.024	3.970	4.070	11.250	10.000	12.5
beta-BHC	4.542	4.490	4.590	11.840	10.000	18.4
gamma-BHC (Lindane)	4.355	4.300	4.410	11.530	10.000	15.3
Endrin	6.600	6.530	6.670	53.670	50.000	7.3
4,4'-DDT	7.047	6.980	7.120	103.120	100.000	3.1
Methoxychlor	7.520	7.450	7.590	250.820	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 - PL095879.D **Date Analyzed:** 06/03/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:42

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.059	7.960	8.160	21.700	20.000	8.5
Tetrachloro-m-xylene	2.885	2.830	2.940	22.520	20.000	12.6
alpha-BHC	3.394	3.340	3.440	10.800	10.000	8.0
beta-BHC	4.024	3.970	4.070	11.430	10.000	14.3
gamma-BHC (Lindane)	3.728	3.680	3.780	10.890	10.000	8.9
Endrin	5.778	5.710	5.850	53.730	50.000	7.5
4,4'-DDT	6.176	6.110	6.250	107.430	100.000	7.4
Methoxychlor	6.746	6.680	6.820	225.220	250.000	-9.9

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q2176

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
I.BLK	I.BLK	06/03/2025	09:28	PL095878.D	9.10	3.57
PEM	PEM	06/03/2025	09:42	PL095879.D	9.10	3.57
PSTDCCC050	PSTDCCC050	06/03/2025	09:56	PL095880.D	9.10	3.57
PB168253BL	PB168253BL	06/03/2025	12:49	PL095881.D	9.11	3.58
PB168253BS	PB168253BS	06/03/2025	13:03	PL095882.D	9.10	3.57
TP-46	Q2176-01	06/03/2025	14:14	PL095885.D	9.10	3.57
TP-56	Q2176-02	06/03/2025	14:28	PL095886.D	9.10	3.57
TP-25	Q2176-03	06/03/2025	14:42	PL095887.D	9.10	3.57
TP-25MS	Q2176-03MS	06/03/2025	14:55	PL095888.D	9.10	3.57
TP-25MSD	Q2176-03MSD	06/03/2025	15:09	PL095889.D	9.10	3.57
TP-26	Q2176-04	06/03/2025	15:22	PL095890.D	9.10	3.57
TP-28	Q2176-05	06/03/2025	15:36	PL095891.D	9.10	3.57
TP-27	Q2176-06	06/03/2025	15:50	PL095892.D	9.10	3.57
TP-31	Q2176-07	06/03/2025	16:03	PL095893.D	9.10	3.57
TP-65	Q2176-08	06/03/2025	16:17	PL095894.D	9.10	3.57
I.BLK	I.BLK	06/03/2025	16:48	PL095896.D	9.10	3.57
PSTDCCC050	PSTDCCC050	06/03/2025	17:01	PL095897.D	9.10	3.57

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q2176

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
I.BLK	I.BLK	06/03/2025	09:28	PL095878.D	8.06	2.89
PEM	PEM	06/03/2025	09:42	PL095879.D	8.06	2.89
PSTDCCC050	PSTDCCC050	06/03/2025	09:56	PL095880.D	8.06	2.89
PB168253BL	PB168253BL	06/03/2025	12:49	PL095881.D	8.06	2.88
PB168253BS	PB168253BS	06/03/2025	13:03	PL095882.D	8.06	2.88
TP-46	Q2176-01	06/03/2025	14:14	PL095885.D	8.06	2.89
TP-56	Q2176-02	06/03/2025	14:28	PL095886.D	8.06	2.89
TP-25	Q2176-03	06/03/2025	14:42	PL095887.D	8.06	2.89
TP-25MS	Q2176-03MS	06/03/2025	14:55	PL095888.D	8.06	2.89
TP-25MSD	Q2176-03MSD	06/03/2025	15:09	PL095889.D	8.06	2.89
TP-26	Q2176-04	06/03/2025	15:22	PL095890.D	8.06	2.89
TP-28	Q2176-05	06/03/2025	15:36	PL095891.D	8.06	2.89
TP-27	Q2176-06	06/03/2025	15:50	PL095892.D	8.06	2.89
TP-31	Q2176-07	06/03/2025	16:03	PL095893.D	8.06	2.89
TP-65	Q2176-08	06/03/2025	16:17	PL095894.D	8.06	2.89
I.BLK	I.BLK	06/03/2025	16:48	PL095896.D	8.06	2.89
PSTDCCC050	PSTDCCC050	06/03/2025	17:01	PL095897.D	8.06	2.89

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
PB168253BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Lab Sample ID: PB168253BS **Date(s) Analyzed:** 06/03/2025 06/03/2025

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	6.73	6.68	6.78	16.7	2.4
	2	5.92	5.87	5.97	17.1	
4,4'-DDE	1	6.22	6.17	6.27	16.6	1.8
	2	5.37	5.32	5.42	16.3	
4,4'-DDT	1	7.05	7.00	7.10	15.6	3.3
	2	6.18	6.13	6.23	15.1	
alpha-BHC	1	4.02	3.97	4.07	16.8	1.2
	2	3.39	3.34	3.44	17.0	
Aldrin	1	5.30	5.25	5.35	17.0	0
	2	4.37	4.32	4.42	17.0	
alpha-Chlordane	1	6.05	6.00	6.10	16.7	0
	2	5.18	5.13	5.23	16.7	
Endosulfan II	1	6.81	6.76	6.86	15.7	5
	2	6.07	6.02	6.12	16.5	
Endosulfan sulfate	1	7.18	7.13	7.23	16.4	0.6
	2	6.47	6.42	6.52	16.5	
beta-BHC	1	4.54	4.49	4.59	16.4	0
	2	4.02	3.97	4.07	16.4	
delta-BHC	1	4.79	4.74	4.84	16.6	1.2
	2	4.26	4.21	4.31	16.8	
Endosulfan I	1	6.10	6.05	6.15	16.7	0.6
	2	5.24	5.19	5.29	16.8	
Dieldrin	1	6.37	6.32	6.42	17.0	2.4
	2	5.50	5.45	5.55	16.6	
Endrin aldehyde	1	6.94	6.89	6.99	16.6	0
	2	6.25	6.20	6.30	16.6	
Methoxychlor	1	7.52	7.47	7.57	15.6	8
	2	6.75	6.70	6.80	14.4	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168253BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Lab Sample ID: PB168253BS **Date(s) Analyzed:** 06/03/2025 06/03/2025

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
Endrin ketone	1	7.66	7.61	7.71	16.8	0.6
	2	6.98	6.93	7.03	16.9	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	16.8	0.6
	2	3.73	3.68	3.78	16.9	
Heptachlor	1	4.95	4.90	5.00	16.4	1.2
	2	4.08	4.03	4.13	16.6	
Heptachlor epoxide	1	5.72	5.67	5.77	16.9	0
	2	4.87	4.82	4.92	16.9	
gamma-Chlordane	1	5.97	5.92	6.02	16.9	0
	2	5.12	5.07	5.17	16.9	
Endrin	1	6.60	6.55	6.65	15.6	0
	2	5.78	5.73	5.83	15.6	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-25

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Lab Sample ID: Q2176-03 **Date(s) Analyzed:** 06/03/2025 06/03/2025

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
Dieldrin	1	6.37	6.32	6.42	0.18	35.1
	2	5.50	5.45	5.55	0.26	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-25MS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Lab Sample ID: Q2176-03MS **Date(s) Analyzed:** 06/03/2025 06/03/2025

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	6.81	6.76	6.86	16.5	3
	2	6.07	6.02	6.12	17.0	
4,4'-DDD	1	6.73	6.68	6.78	17.8	4
	2	5.92	5.87	5.97	17.1	
4,4'-DDT	1	7.05	7.00	7.10	16.3	0
	2	6.18	6.13	6.23	16.3	
Endrin aldehyde	1	6.94	6.89	6.99	16.7	1.8
	2	6.25	6.20	6.30	17.0	
Endosulfan sulfate	1	7.18	7.13	7.23	16.6	1.2
	2	6.47	6.42	6.52	16.8	
Methoxychlor	1	7.52	7.47	7.57	16.5	4.3
	2	6.75	6.70	6.80	15.8	
Endrin ketone	1	7.66	7.61	7.71	17.7	4.6
	2	6.98	6.93	7.03	16.9	
alpha-BHC	1	4.02	3.97	4.07	17.8	2.2
	2	3.40	3.35	3.45	18.2	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	17.7	1.7
	2	3.73	3.68	3.78	18.0	
Heptachlor	1	4.95	4.90	5.00	17.3	1.1
	2	4.08	4.03	4.13	17.5	
Aldrin	1	5.30	5.25	5.35	17.7	1.1
	2	4.37	4.32	4.42	17.9	
beta-BHC	1	4.54	4.49	4.59	17.0	2.9
	2	4.02	3.97	4.07	17.5	
delta-BHC	1	4.79	4.74	4.84	17.5	1.7
	2	4.26	4.21	4.31	17.8	
Heptachlor epoxide	1	5.72	5.67	5.77	17.8	0.6
	2	4.87	4.82	4.92	17.7	

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-25MS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Lab Sample ID: Q2176-03MS **Date(s) Analyzed:** 06/03/2025 06/03/2025

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	17.5	1.1
	2	5.24	5.19	5.29	17.3	
gamma-Chlordane	1	5.97	5.92	6.02	17.6	0
	2	5.12	5.07	5.17	17.6	
alpha-Chlordane	1	6.05	6.00	6.10	17.3	1.1
	2	5.19	5.14	5.24	17.5	
4,4'-DDE	1	6.22	6.17	6.27	16.6	4.1
	2	5.37	5.32	5.42	17.3	
Dieldrin	1	6.37	6.32	6.42	17.7	1.7
	2	5.51	5.46	5.56	17.4	
Endrin	1	6.60	6.55	6.65	16.8	0
	2	5.78	5.73	5.83	16.8	

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-25MSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Lab Sample ID: Q2176-03MSD **Date(s) Analyzed:** 06/03/2025 06/03/2025

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	6.81	6.76	6.86	16.5	3
	2	6.07	6.02	6.12	17.0	
4,4'-DDD	1	6.73	6.68	6.78	17.7	4
	2	5.92	5.87	5.97	17.0	
4,4'-DDT	1	7.05	7.00	7.10	16.3	1.2
	2	6.18	6.13	6.23	16.1	
Endrin aldehyde	1	6.94	6.89	6.99	16.6	2.4
	2	6.25	6.20	6.30	17.0	
Endosulfan sulfate	1	7.18	7.13	7.23	16.8	0.6
	2	6.47	6.42	6.52	16.7	
Methoxychlor	1	7.52	7.47	7.57	16.2	3.1
	2	6.75	6.70	6.80	15.7	
Endrin ketone	1	7.66	7.61	7.71	17.4	2.3
	2	6.98	6.93	7.03	17.0	
alpha-BHC	1	4.02	3.97	4.07	17.6	2.2
	2	3.40	3.35	3.45	18.0	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	17.5	1.7
	2	3.73	3.68	3.78	17.8	
Heptachlor	1	4.95	4.90	5.00	17.0	0.6
	2	4.08	4.03	4.13	17.1	
Aldrin	1	5.30	5.25	5.35	17.6	1.1
	2	4.37	4.32	4.42	17.8	
beta-BHC	1	4.54	4.49	4.59	16.8	2.9
	2	4.03	3.98	4.08	17.3	
delta-BHC	1	4.79	4.74	4.84	17.4	1.1
	2	4.26	4.21	4.31	17.6	
Heptachlor epoxide	1	5.72	5.67	5.77	17.7	0
	2	4.87	4.82	4.92	17.7	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-25MSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Lab Sample ID: Q2176-03MSD **Date(s) Analyzed:** 06/03/2025 06/03/2025

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	17.3	0.6
	2	5.24	5.19	5.29	17.2	
gamma-Chlordane	1	5.97	5.92	6.02	17.6	0.6
	2	5.12	5.07	5.17	17.5	
alpha-Chlordane	1	6.05	6.00	6.10	17.2	1.2
	2	5.19	5.14	5.24	17.4	
4,4'-DDE	1	6.22	6.17	6.27	16.9	0.6
	2	5.37	5.32	5.42	17.0	
Dieldrin	1	6.37	6.32	6.42	17.6	1.7
	2	5.51	5.46	5.56	17.3	
Endrin	1	6.60	6.55	6.65	16.7	1.2
	2	5.78	5.73	5.83	16.5	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-26

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Lab Sample ID: Q2176-04 **Date(s) Analyzed:** 06/03/2025 06/03/2025

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	2.90	46.8
	2	5.12	5.07	5.17	1.80	
alpha-Chlordane	1	6.06	6.01	6.11	5.10	75.7
	2	5.18	5.13	5.23	2.30	
4,4'-DDE	1	6.22	6.17	6.27	1.20	15.4
	2	5.37	5.32	5.42	1.40	

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095885.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 14:14
Operator : AR\AJ
Sample : Q2176-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-46

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:35:56 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	2.885	59399270	71864801	18.825m	18.361
28)	SA Decachlor...	9.099	8.059	37247424	68153203	15.807	15.580
	Target Compounds						

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

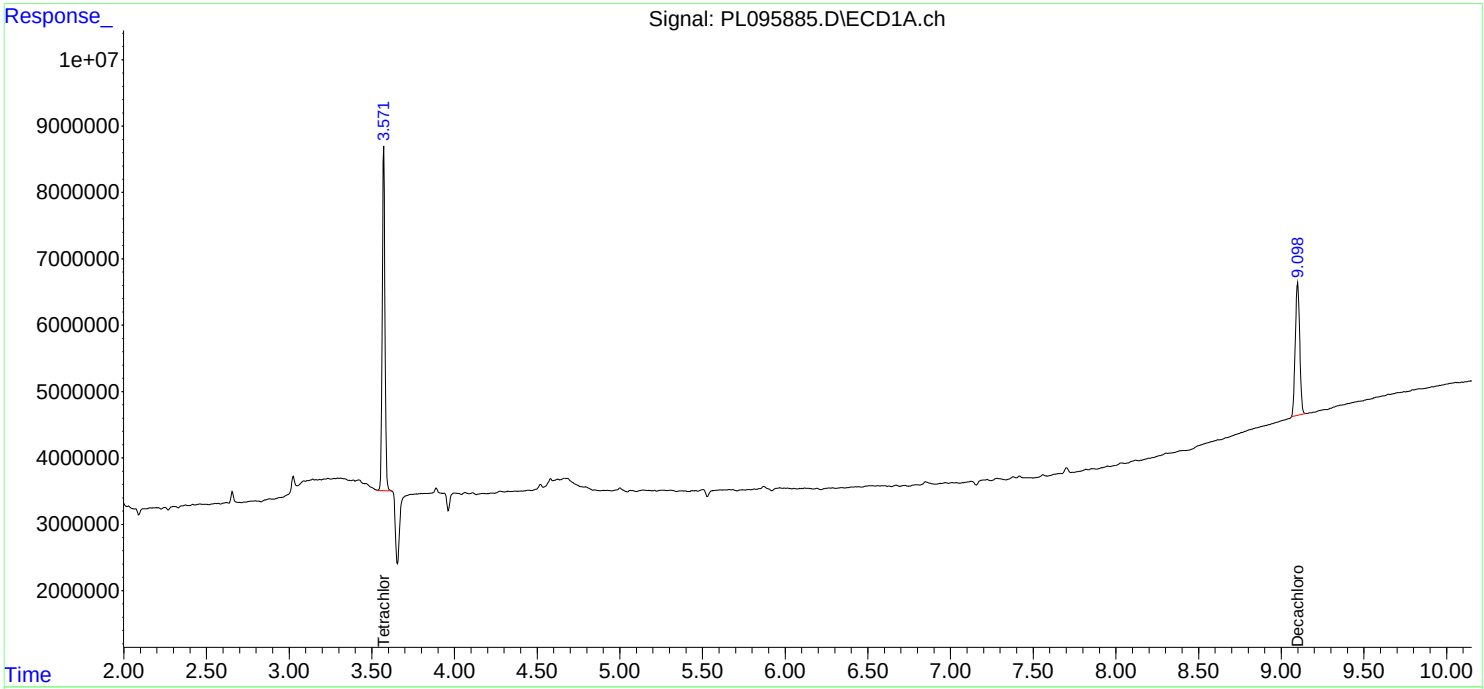
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095885.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 14:14
Operator : AR\AJ
Sample : Q2176-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

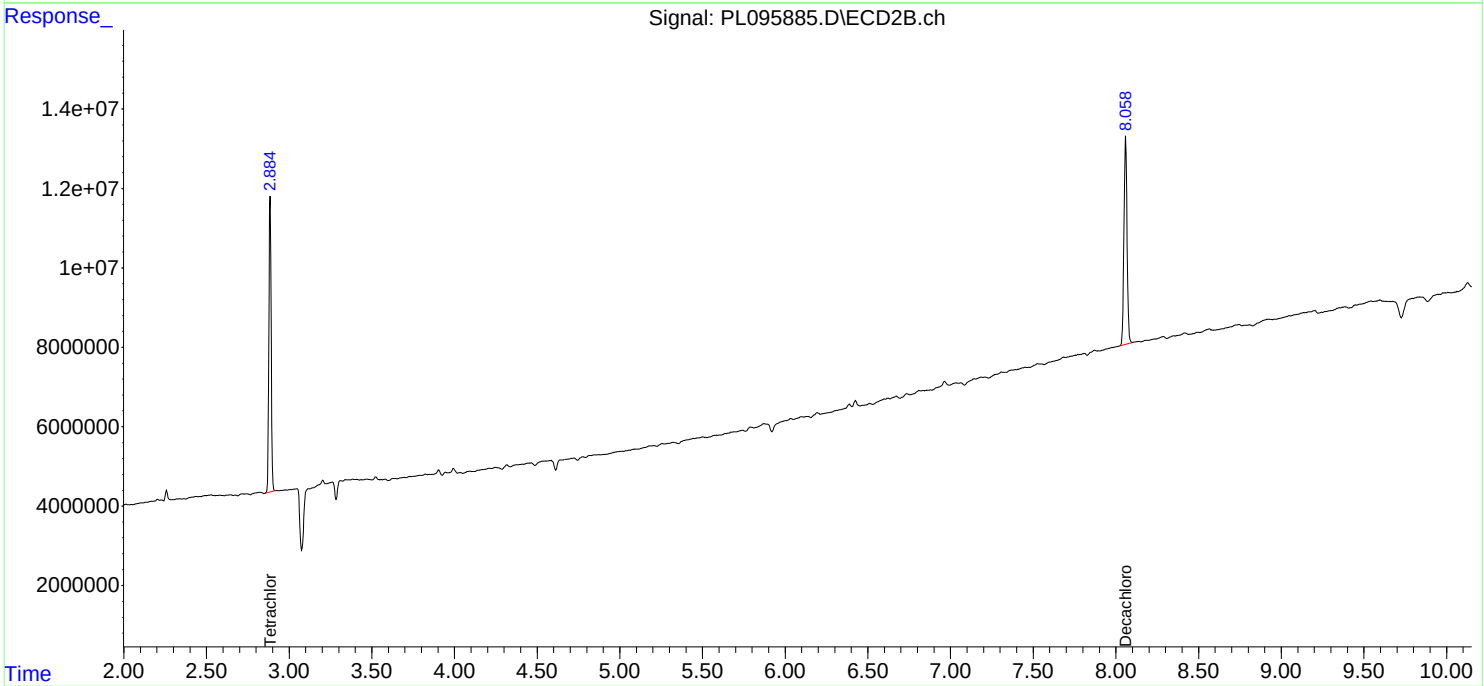
Instrument :
ECD_L
ClientSampleId :
TP-46

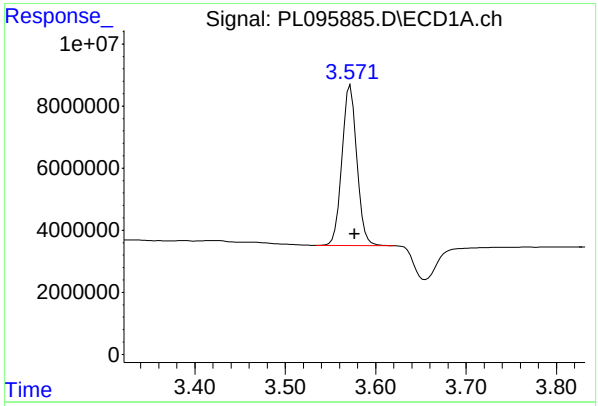
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:35:56 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







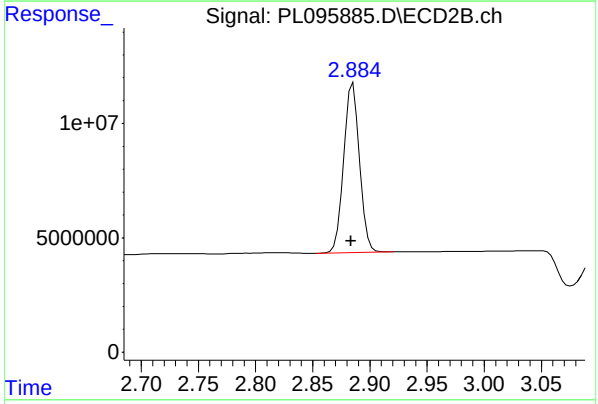
#1 Tetrachloro-m-xylene

R.T.: 3.571 min
Delta R.T.: -0.006 min
Response: 59399270
Conc: 18.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-46

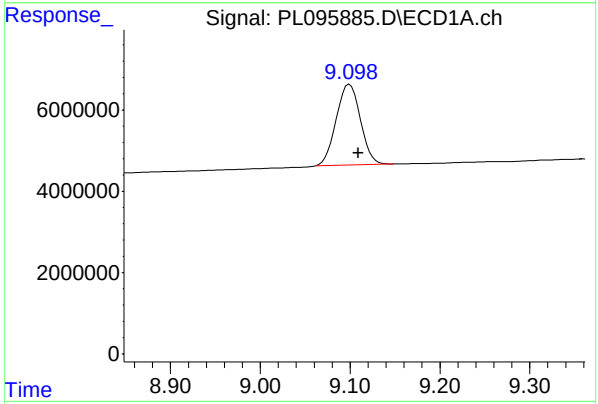
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



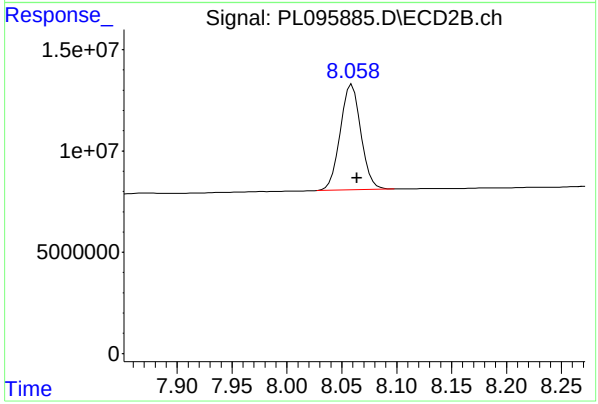
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 71864801
Conc: 18.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.099 min
Delta R.T.: -0.010 min
Response: 37247424
Conc: 15.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.004 min
Response: 68153203
Conc: 15.58 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095886.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 14:28
Operator : AR\AJ
Sample : Q2176-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-56

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:03 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	60413681	72541037	19.147m	18.534
28)	SA Decachlor...	9.099	8.059	30861034	55332499	13.097	12.649
	Target Compounds						

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

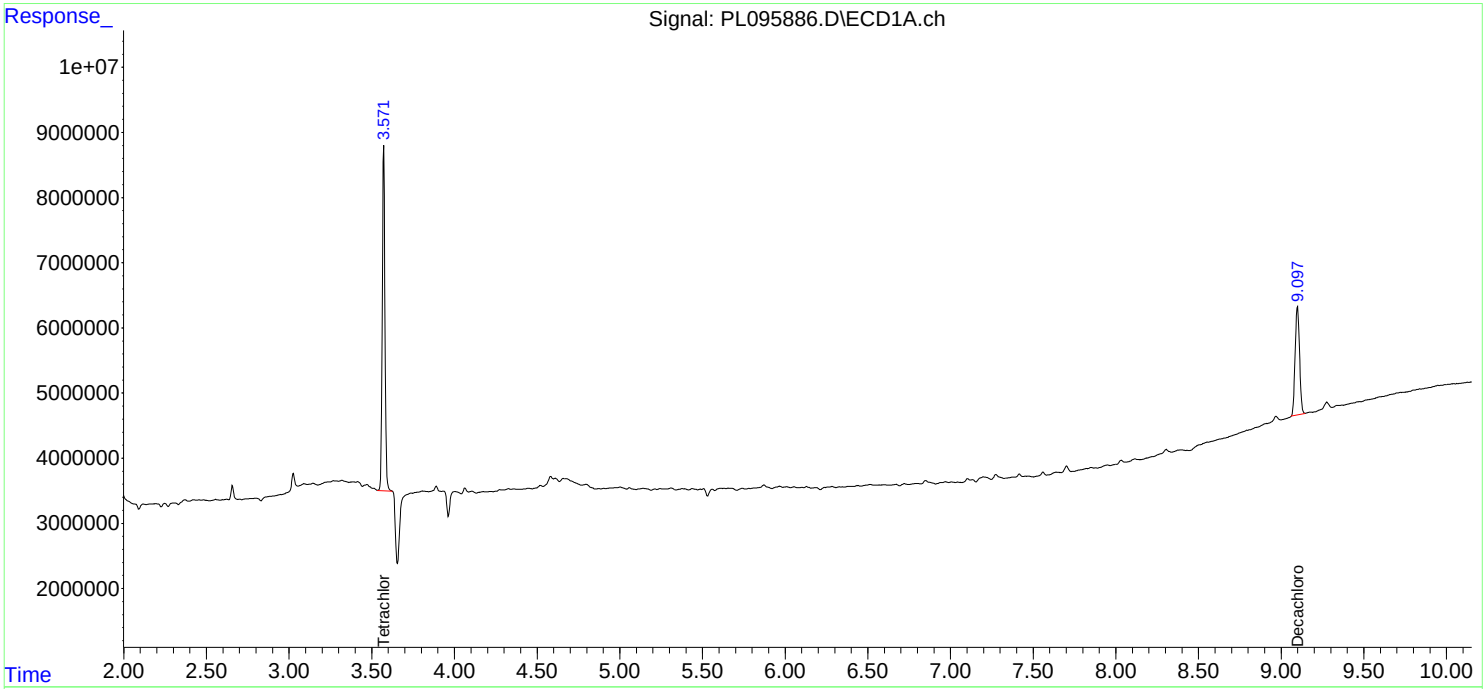
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095886.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 14:28
Operator : AR\AJ
Sample : Q2176-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

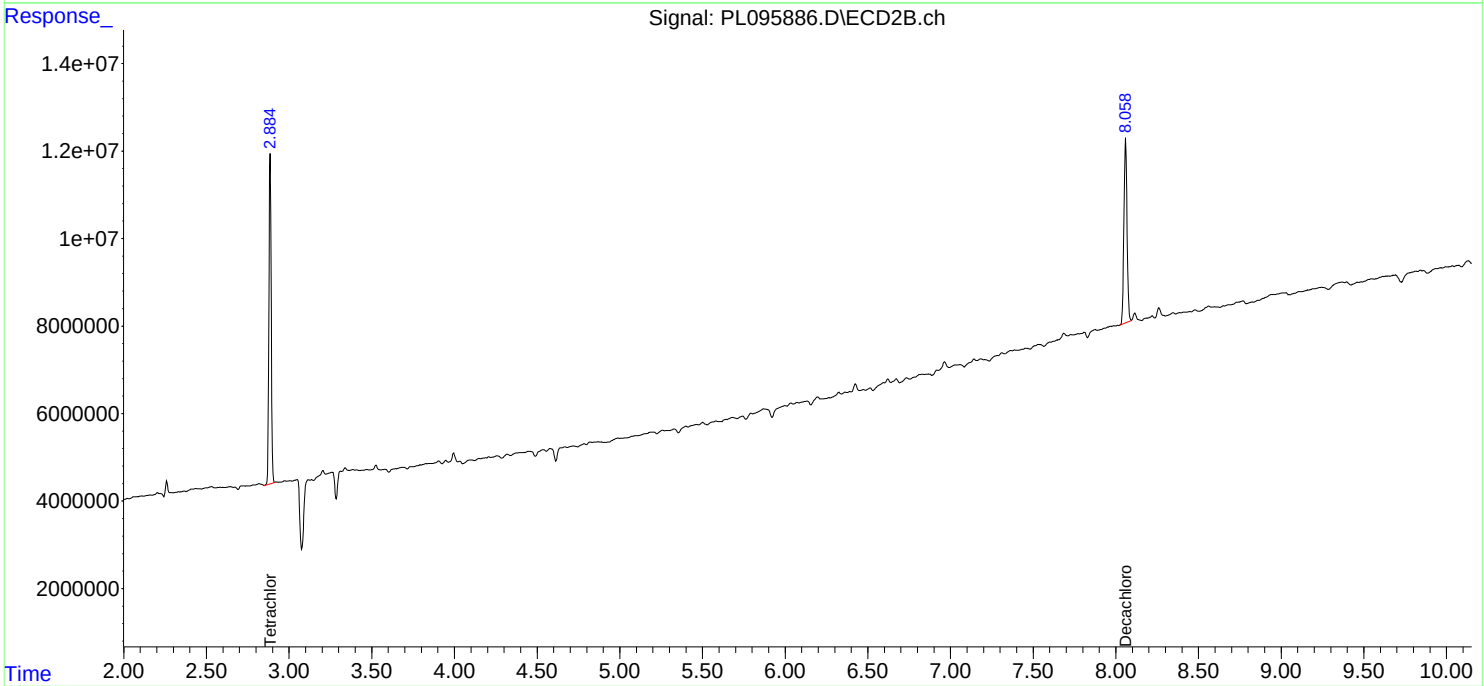
Instrument :
ECD_L
ClientSampleId :
TP-56

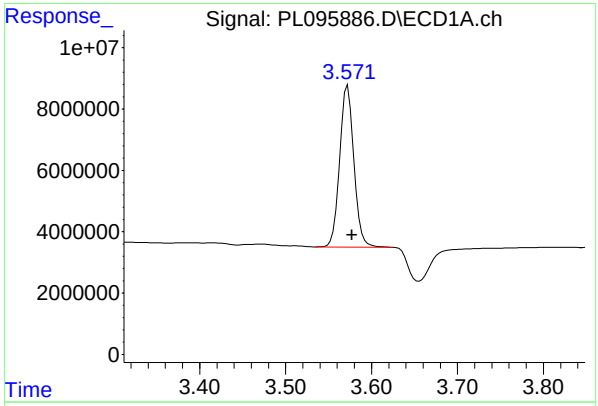
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:03 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







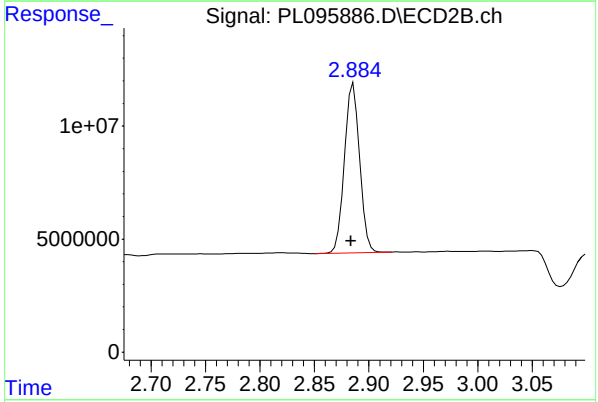
#1 Tetrachloro-m-xylene

R.T.: 3.571 min
Delta R.T.: -0.006 min
Response: 60413681
Conc: 19.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-56

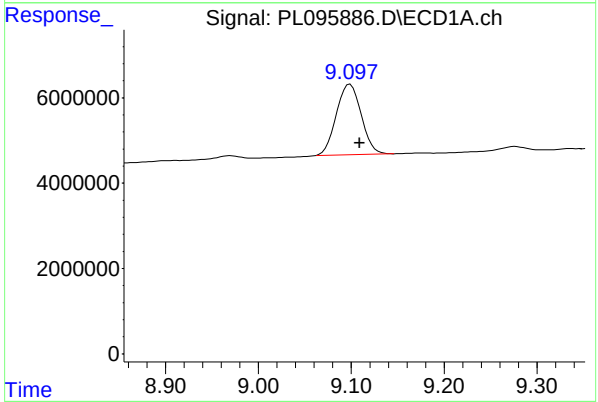
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



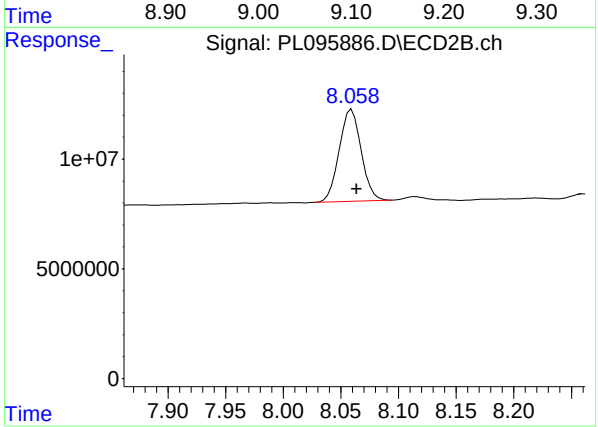
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 72541037
Conc: 18.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.099 min
Delta R.T.: -0.010 min
Response: 30861034
Conc: 13.10 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.004 min
Response: 55332499
Conc: 12.65 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095887.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 14:42
Operator : AR\AJ
Sample : Q2176-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-25

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:10 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	63995769	77616934	20.282m	19.831
28)	SA Decachlor...	9.099	8.060	34605078	64097333	14.686	14.653
	Target Compounds						
13)	MA Dieldrin	6.372	5.502	1821358	3571369	0.472m	0.674m#

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

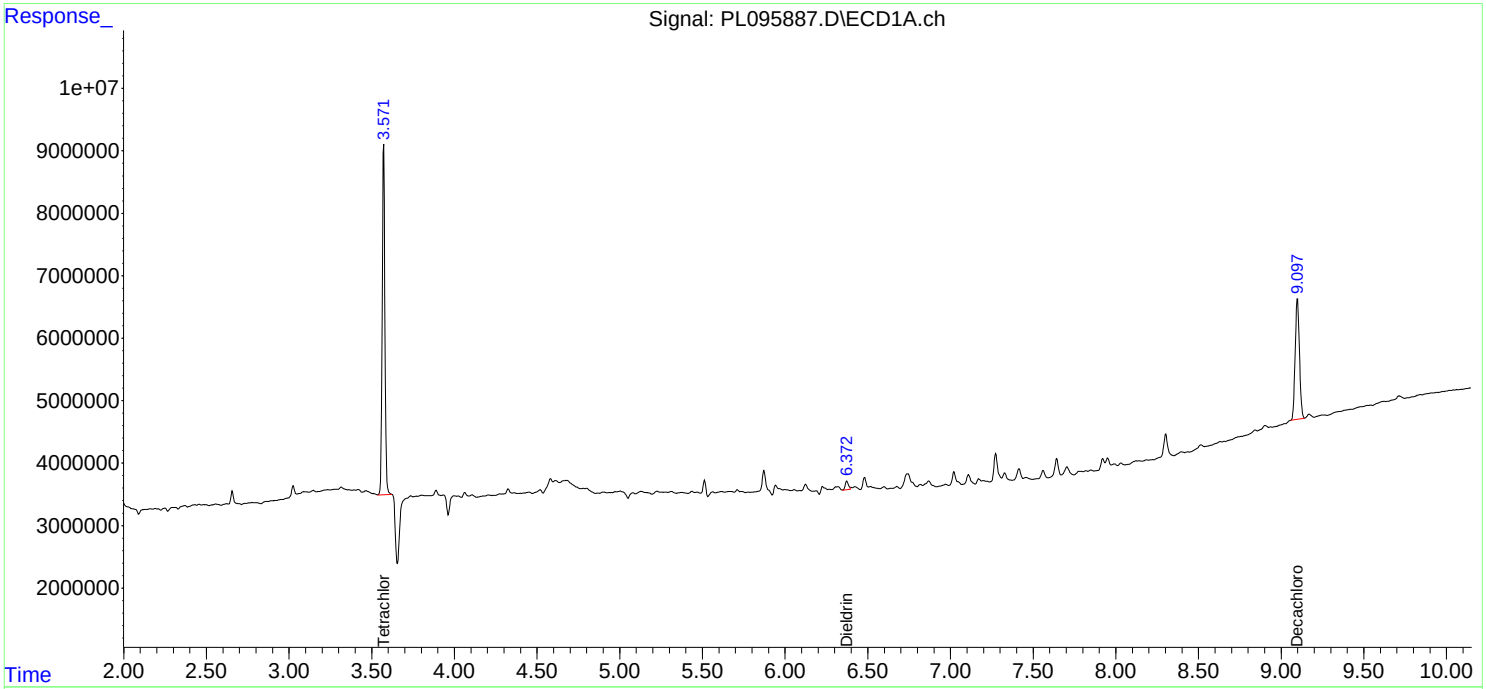
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095887.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 14:42
Operator : AR\AJ
Sample : Q2176-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

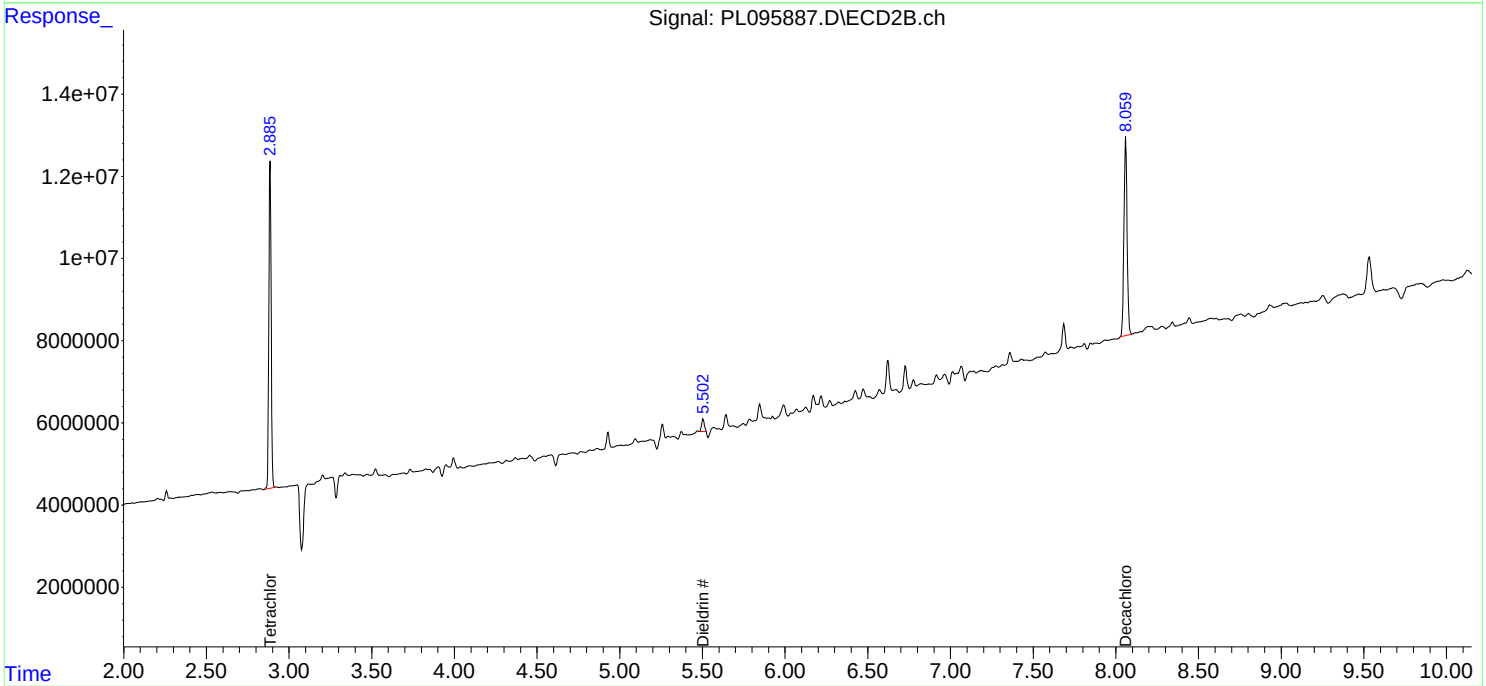
Instrument :
ECD_L
ClientSampleId :
TP-25

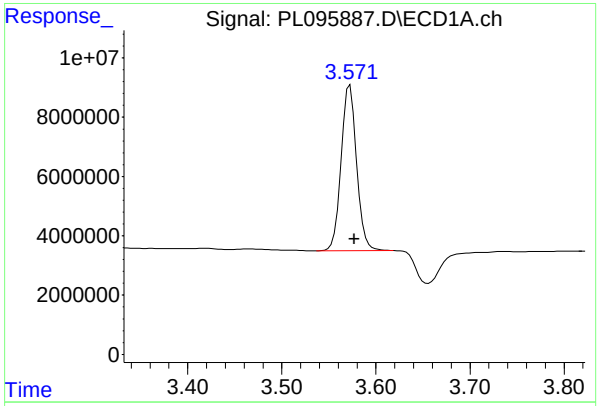
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:10 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







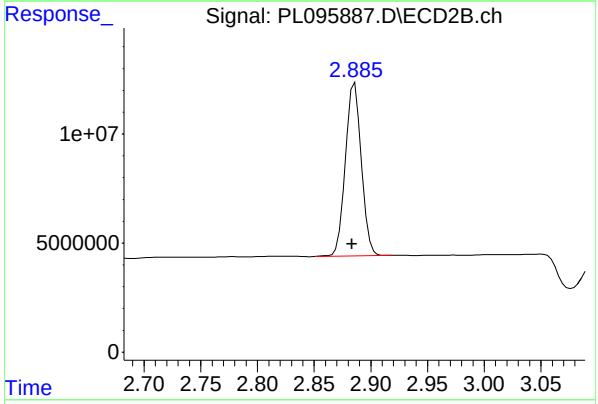
#1 Tetrachloro-m-xylene

R.T.: 3.571 min
Delta R.T.: -0.006 mi
Response: 63995769
Conc: 20.28 ng/m

Instrument :
ECD_L
ClientSampleId :
TP-25

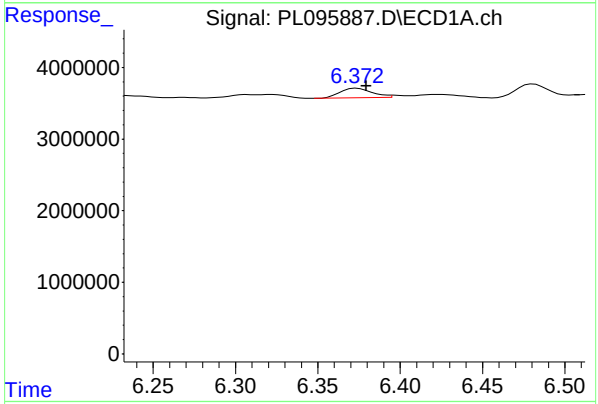
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



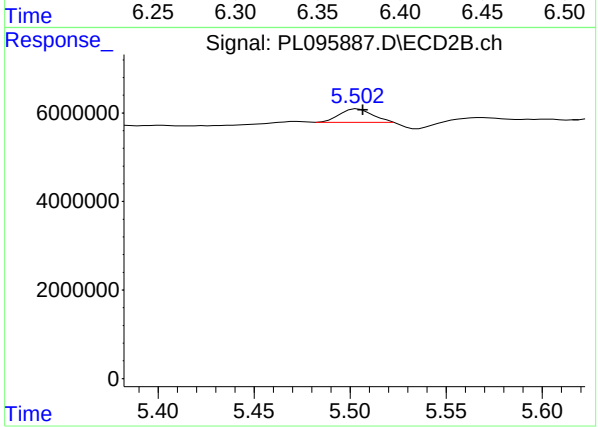
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 77616934
Conc: 19.83 ng/ml



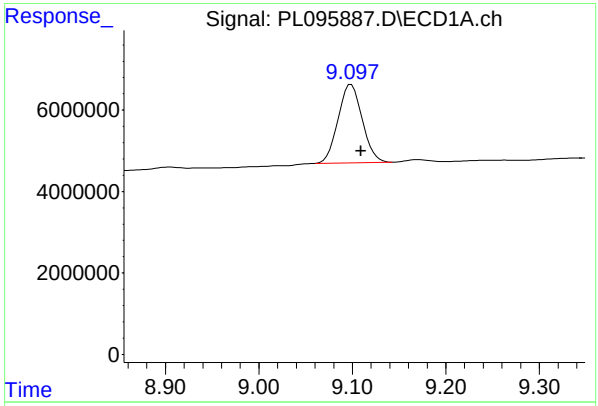
#13 Dieldrin

R.T.: 6.372 min
Delta R.T.: -0.007 min
Response: 1821358
Conc: 0.47 ng/ml m



#13 Dieldrin

R.T.: 5.502 min
Delta R.T.: -0.004 min
Response: 3571369
Conc: 0.67 ng/ml m



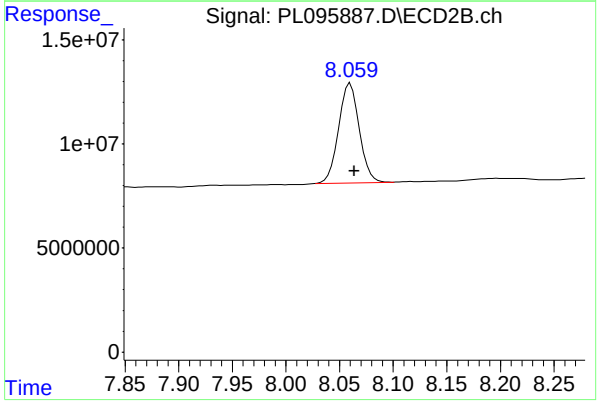
#28 Decachlorobiphenyl

R.T.: 9.099 min
Delta R.T.: -0.010 min
Response: 34605078
Conc: 14.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-25

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.004 min
Response: 64097333
Conc: 14.65 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095890.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 15:22
Operator : AR\AJ
Sample : Q2176-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-26

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:50 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	38810193	49555817	12.300	12.661
28) SA	Decachlor...	9.100	8.059	26384854	36482705	11.197	8.340 #
	Target Compounds						
10) B	gamma-Chl...	5.970	5.119	28872373	24577358	7.418m	4.679m#
11) B	alpha-Chl...	6.056	5.183	51228252	31197396	12.975	5.996m#
12) B	4,4'-DDE	6.224	5.370	11679423	19442414	3.184m	3.626m

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

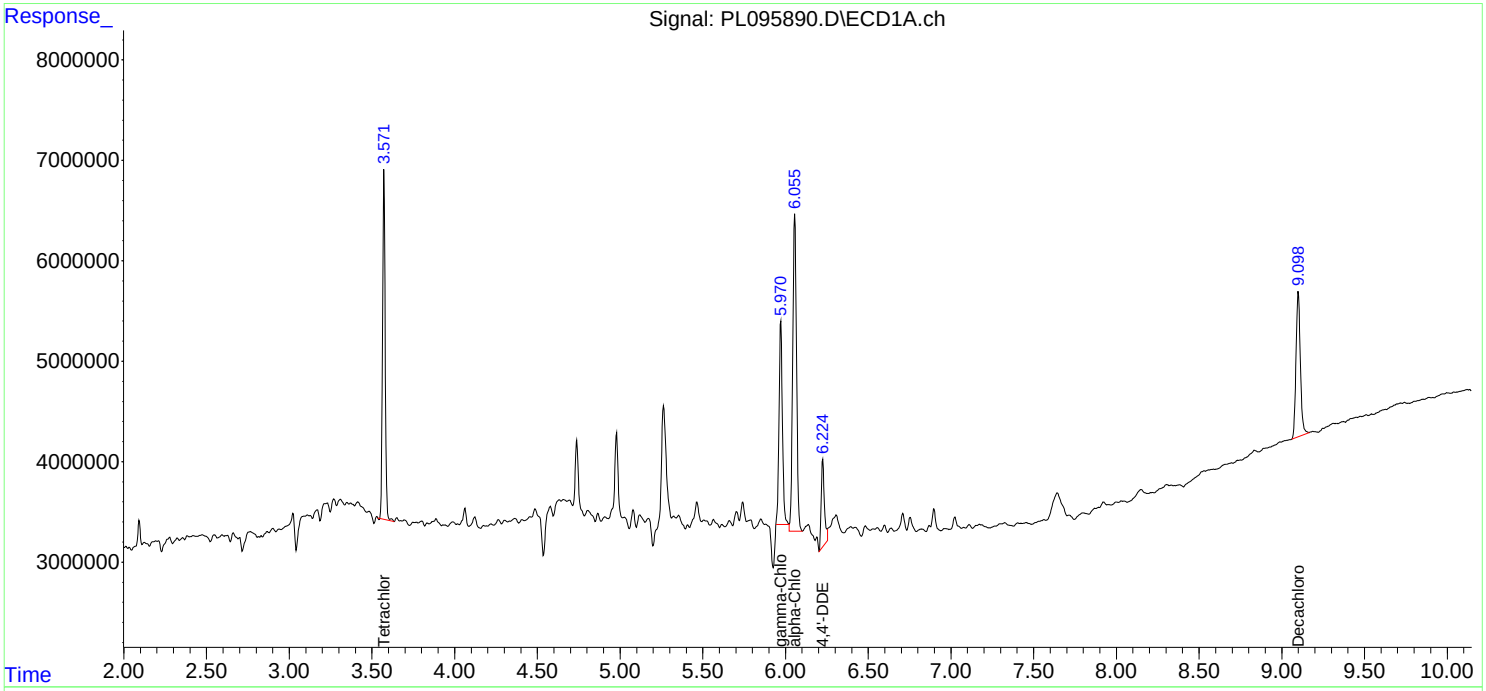
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095890.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 15:22
Operator : AR\AJ
Sample : Q2176-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

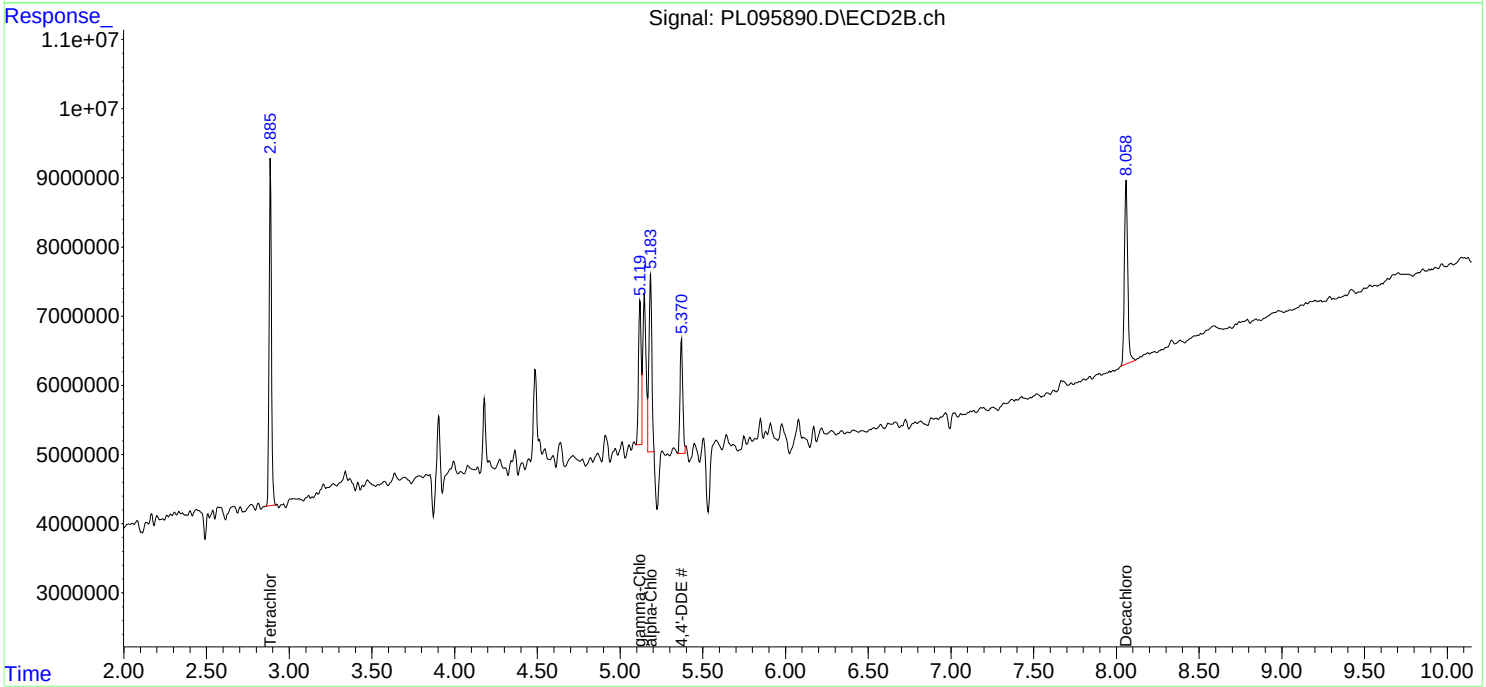
Instrument :
ECD_L
ClientSampleId :
TP-26

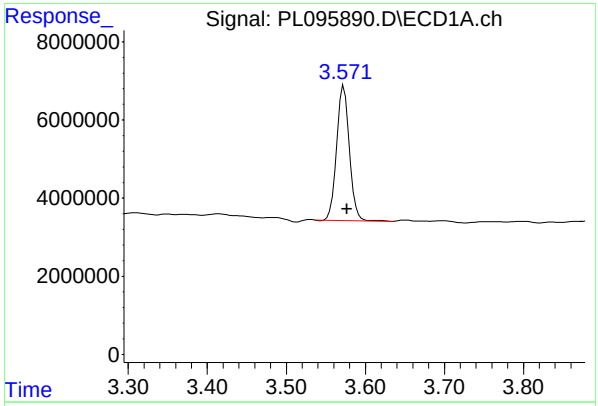
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:50 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







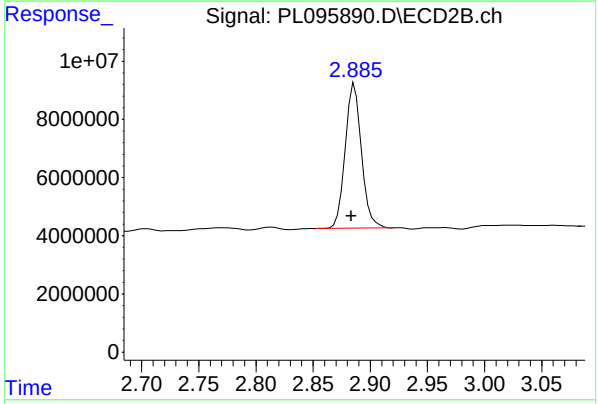
#1 Tetrachloro-m-xylene

R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 38810193
Conc: 12.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-26

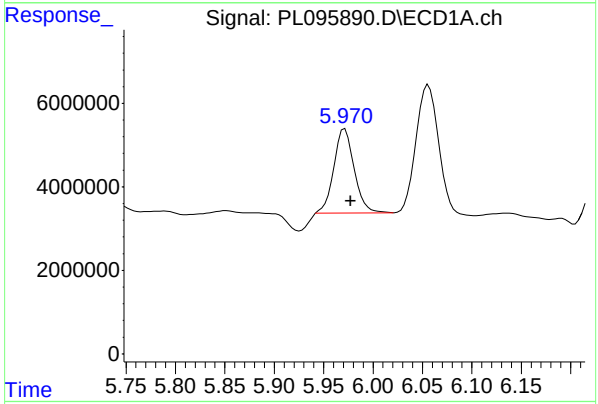
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



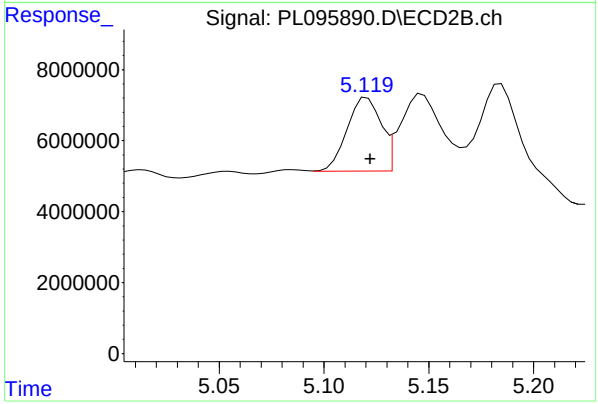
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.003 min
Response: 49555817
Conc: 12.66 ng/ml



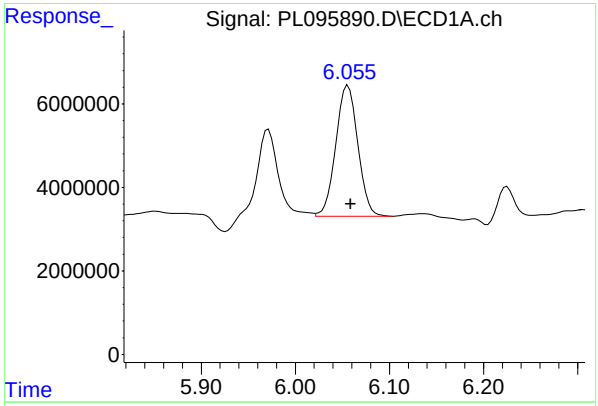
#10 gamma-Chlordane

R.T.: 5.970 min
Delta R.T.: -0.007 min
Response: 28872373
Conc: 7.42 ng/ml m



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: -0.003 min
Response: 24577358
Conc: 4.68 ng/ml m



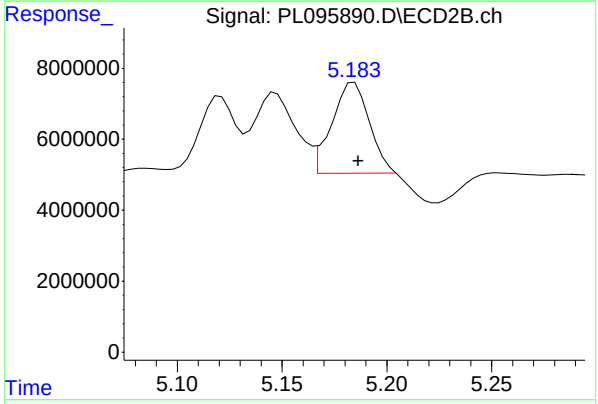
#11 alpha-Chlordane

R.T.: 6.056 min
Delta R.T.: -0.003 min
Response: 51228252
Conc: 12.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-26

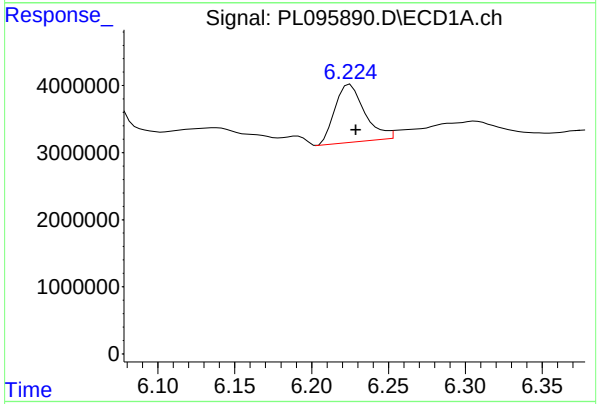
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



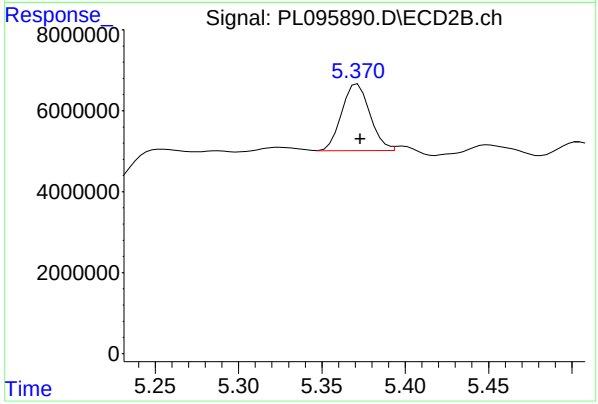
#11 alpha-Chlordane

R.T.: 5.183 min
Delta R.T.: -0.003 min
Response: 31197396
Conc: 6.00 ng/ml m



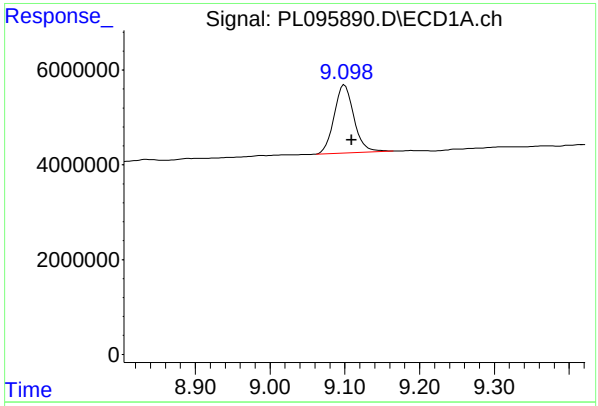
#12 4,4'-DDE

R.T.: 6.224 min
Delta R.T.: -0.005 min
Response: 11679423
Conc: 3.18 ng/ml m



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: -0.003 min
Response: 19442414
Conc: 3.63 ng/ml m



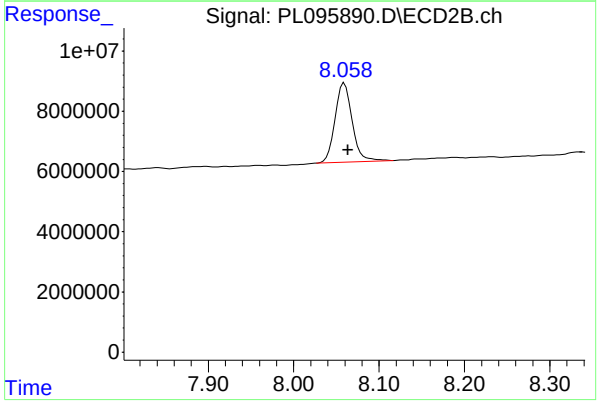
#28 Decachlorobiphenyl

R.T.: 9.100 min
Delta R.T.: -0.009 min
Response: 26384854
Conc: 11.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-26

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.004 min
Response: 36482705
Conc: 8.34 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095891.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 15:36
Operator : AR\AJ
Sample : Q2176-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-28

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:37:01 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	57063573	71309865	18.085m	18.219
28)	SA Decachlor...	9.099	8.060	33392280	51917428	14.171	11.868
	Target Compounds						

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

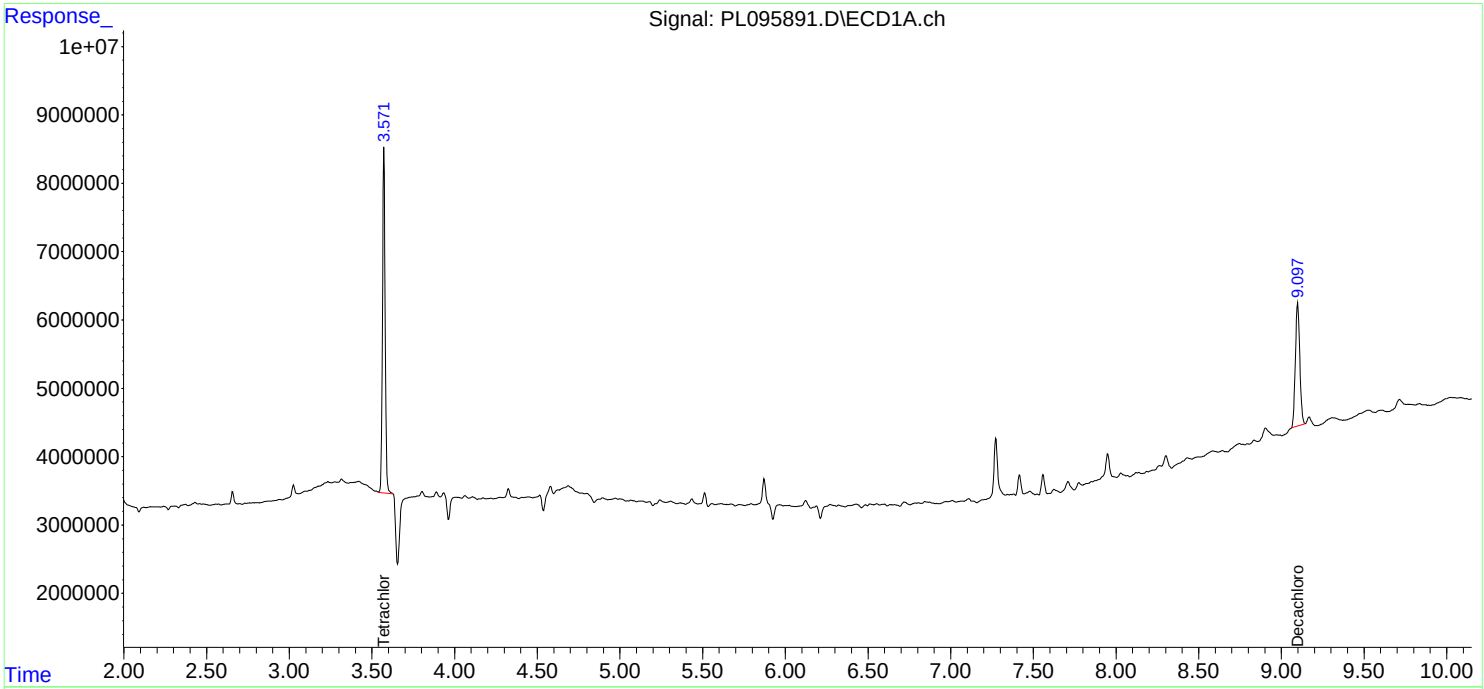
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095891.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 15:36
Operator : AR\AJ
Sample : Q2176-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

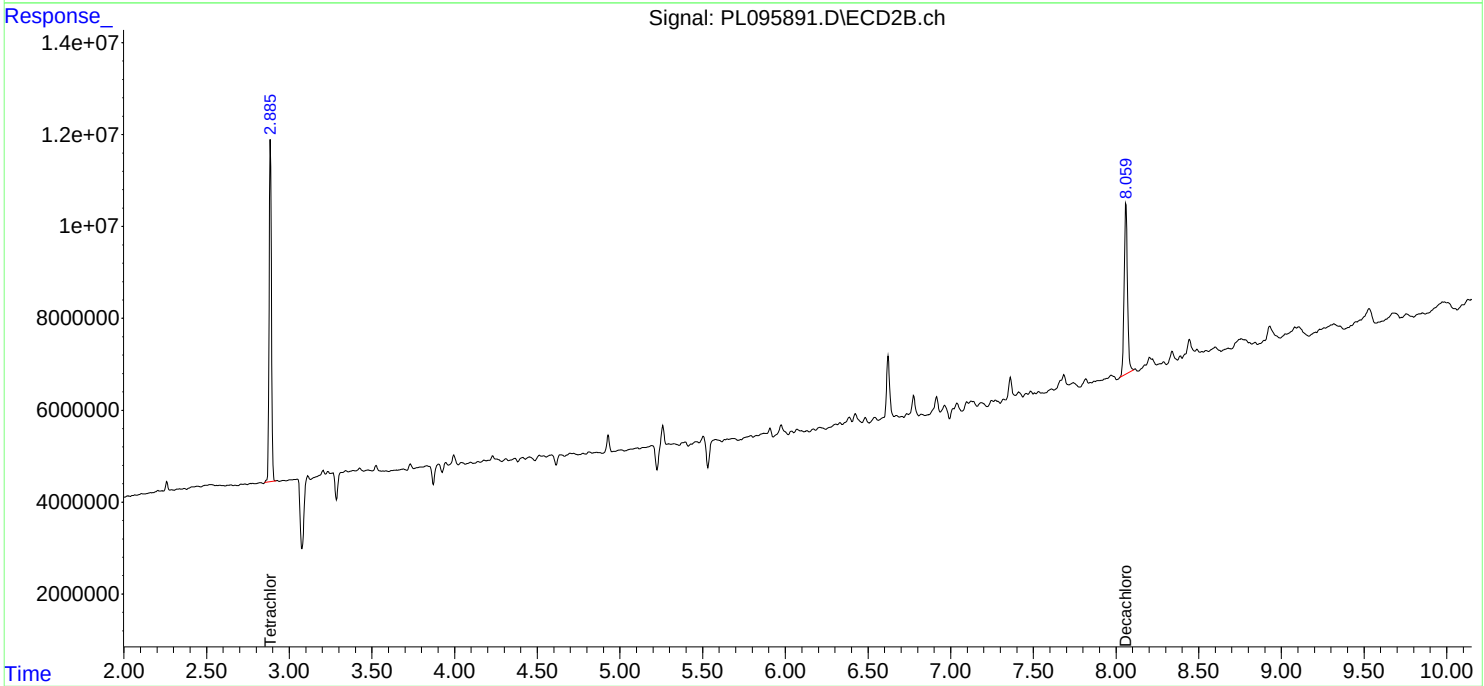
Instrument :
ECD_L
ClientSampleId :
TP-28

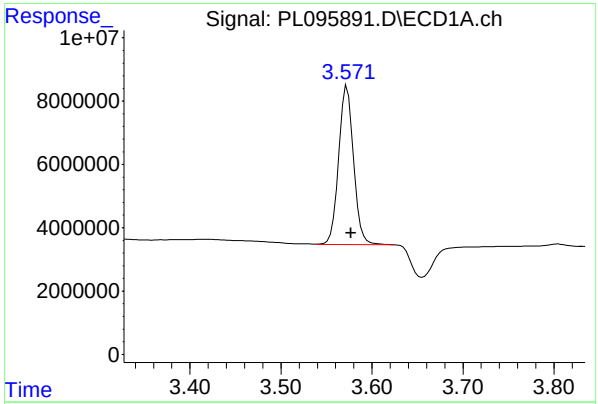
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:37:01 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







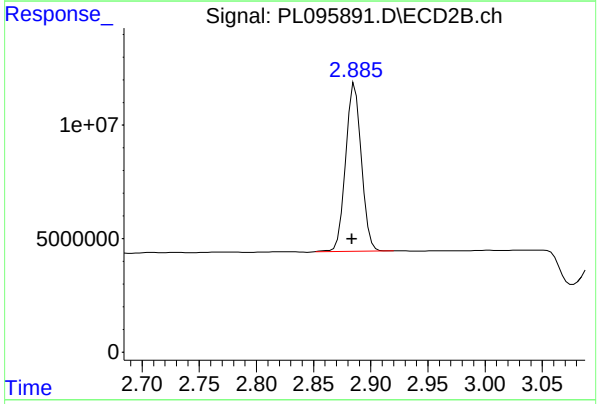
#1 Tetrachloro-m-xylene

R.T.: 3.571 min
Delta R.T.: -0.006 min
Response: 57063573
Conc: 18.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-28

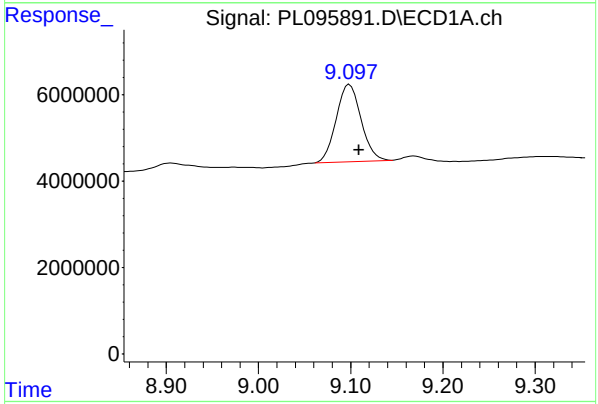
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



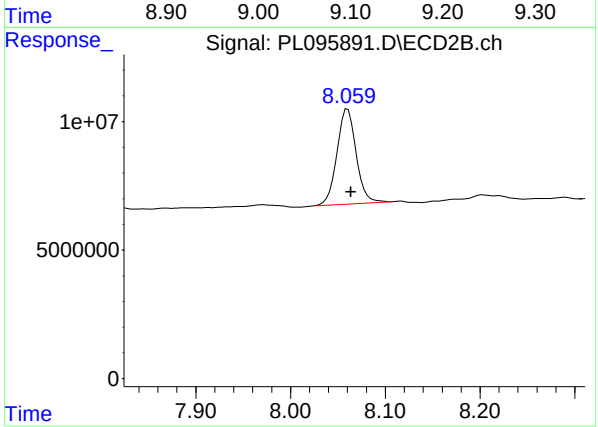
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.003 min
Response: 71309865
Conc: 18.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.099 min
Delta R.T.: -0.010 min
Response: 33392280
Conc: 14.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.004 min
Response: 51917428
Conc: 11.87 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095892.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 15:50
Operator : AR\AJ
Sample : Q2176-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-27

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:37:09 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...	3.572	2.886	38645086	47358372	12.248	12.100
28)	SA Decachlor...	9.097	8.059	20547157	36385273	8.720	8.318
	Target Compounds						

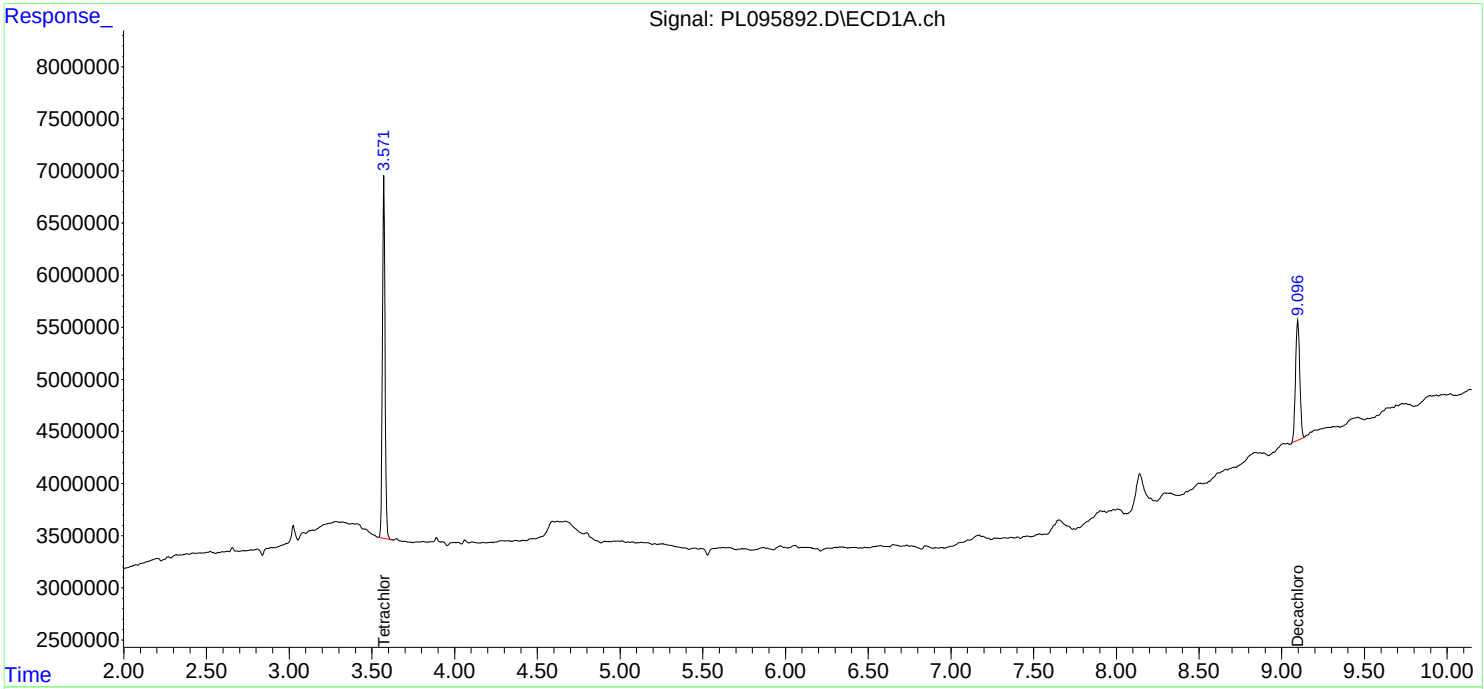
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

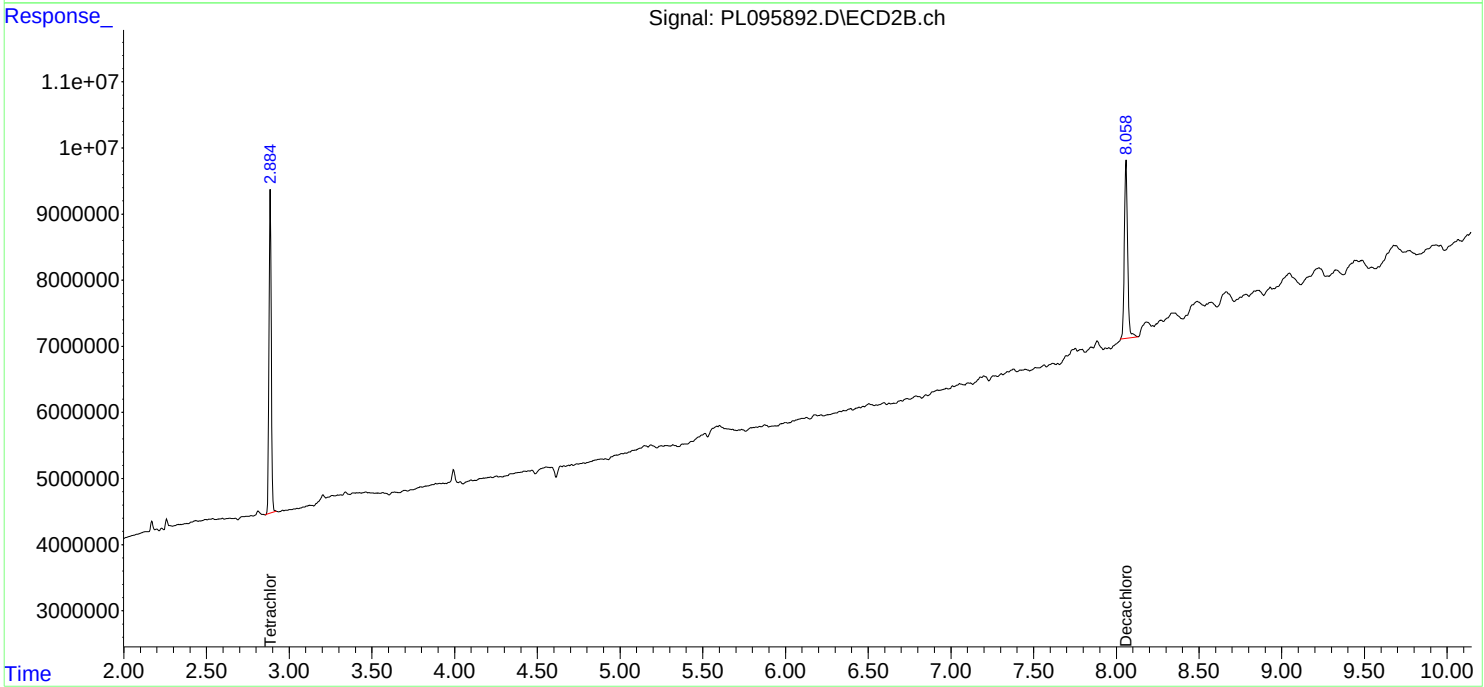
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095892.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 15:50
Operator : AR\AJ
Sample : Q2176-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

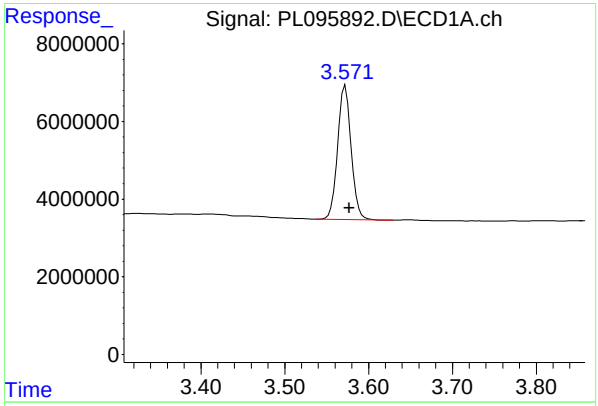
Instrument :
ECD_L
ClientSampleId :
TP-27

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:37:09 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



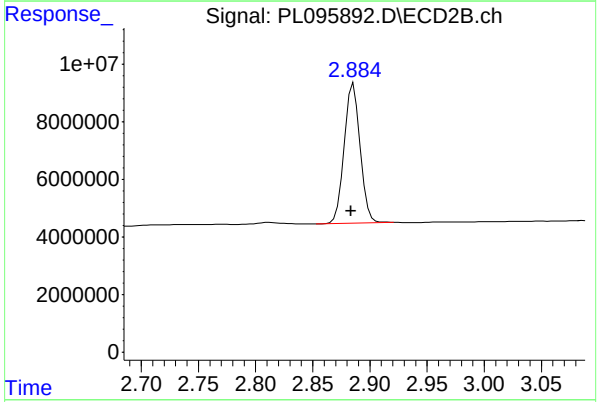




#1 Tetrachloro-m-xylene

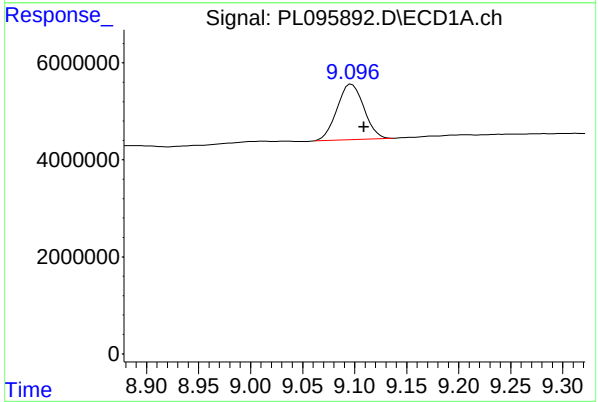
R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 38645086
Conc: 12.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-27



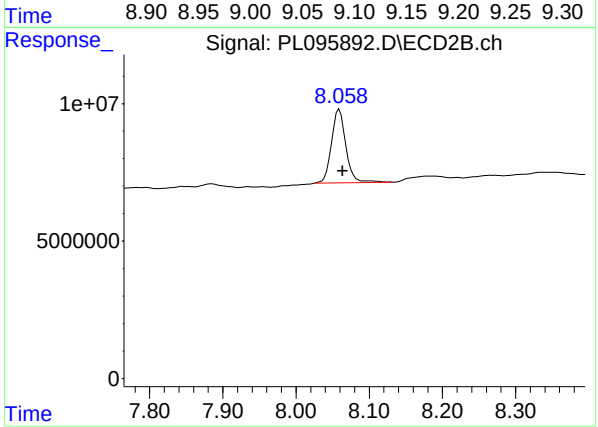
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 47358372
Conc: 12.10 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.097 min
Delta R.T.: -0.012 min
Response: 20547157
Conc: 8.72 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.005 min
Response: 36385273
Conc: 8.32 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095893.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 16:03
Operator : AR\AJ
Sample : Q2176-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-31

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:37:16 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	52123361	64815267	16.519m	16.560
28)	SA Decachlor...	9.097	8.059	20712260	35974083	8.790	8.224
	Target Compounds						

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

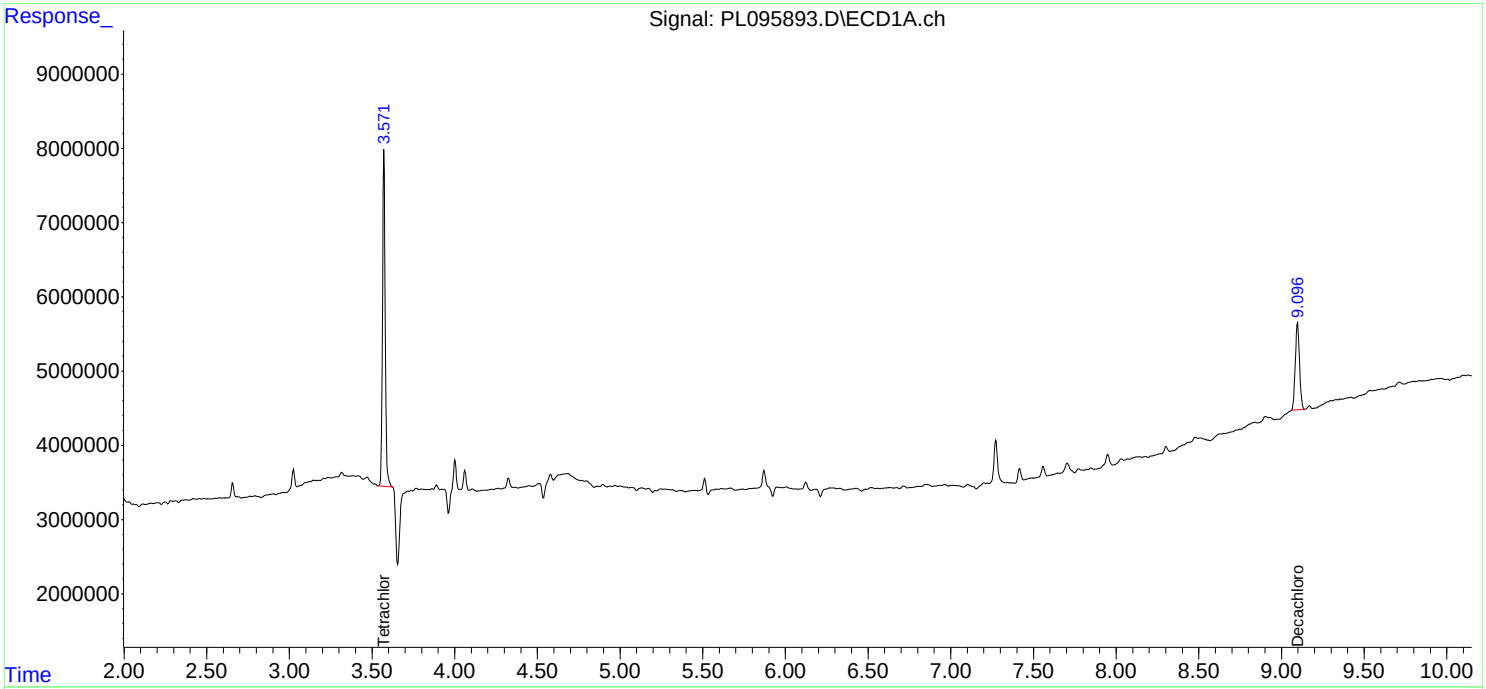
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095893.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 16:03
Operator : AR\AJ
Sample : Q2176-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

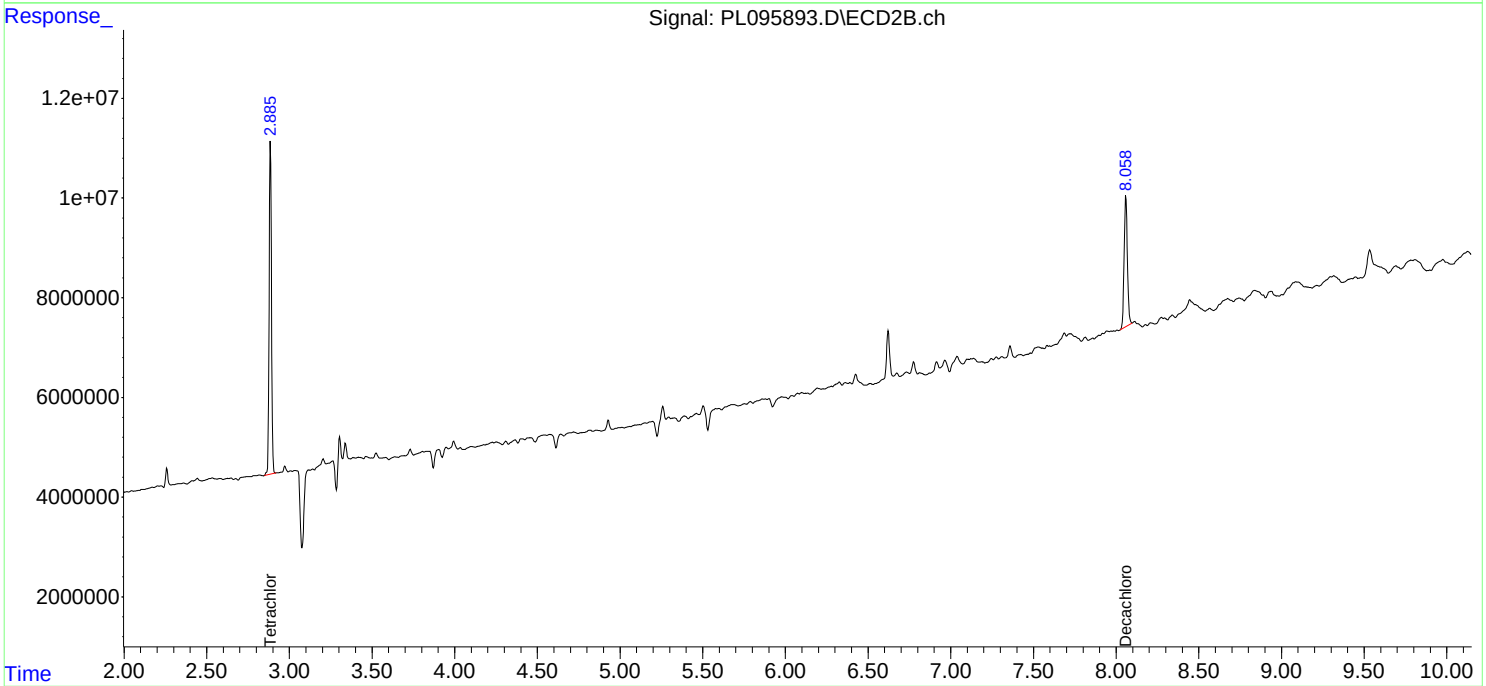
Instrument :
ECD_L
ClientSampleId :
TP-31

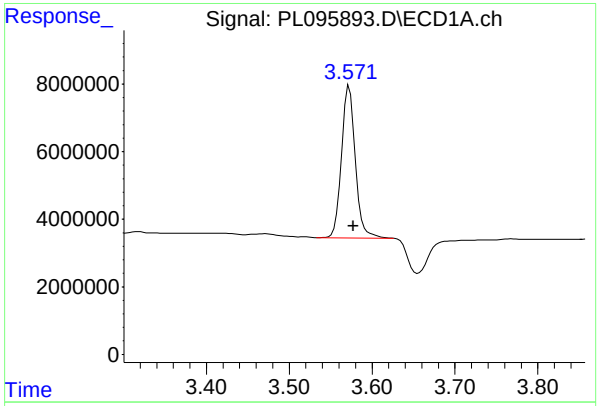
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:37:16 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







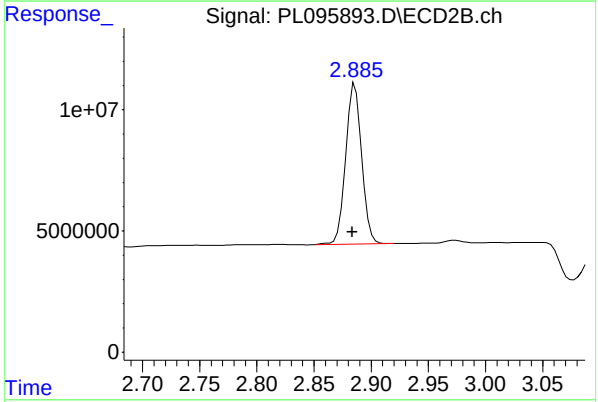
#1 Tetrachloro-m-xylene

R.T.: 3.571 min
Delta R.T.: -0.006 min
Response: 52123361
Conc: 16.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-31

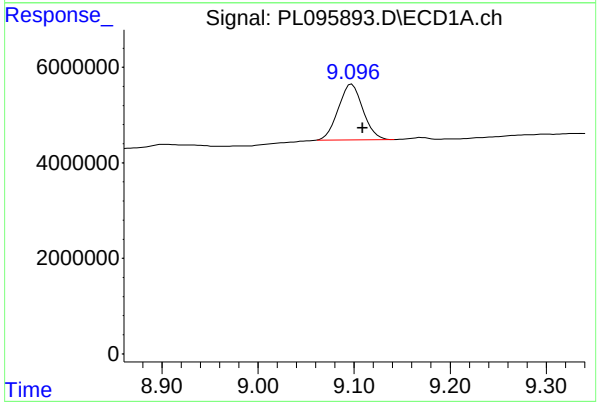
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



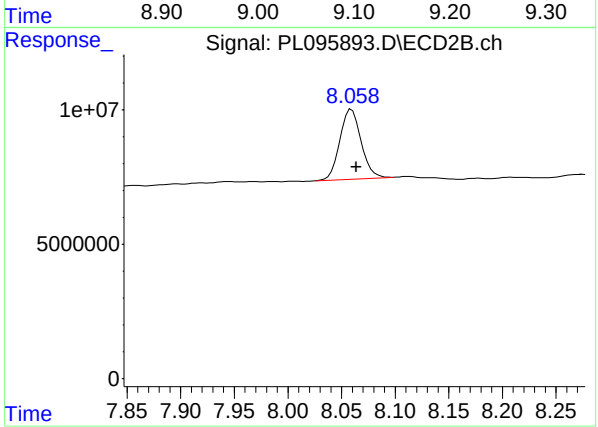
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 64815267
Conc: 16.56 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.097 min
Delta R.T.: -0.011 min
Response: 20712260
Conc: 8.79 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.004 min
Response: 35974083
Conc: 8.22 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095894.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 16:17
Operator : AR\AJ
Sample : Q2176-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-65

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 05:31:55 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	43831179	53340619	13.891	13.628
28)	SA Decachlor...	9.099	8.059	22837440	34848764	9.692	7.966
	Target Compounds						

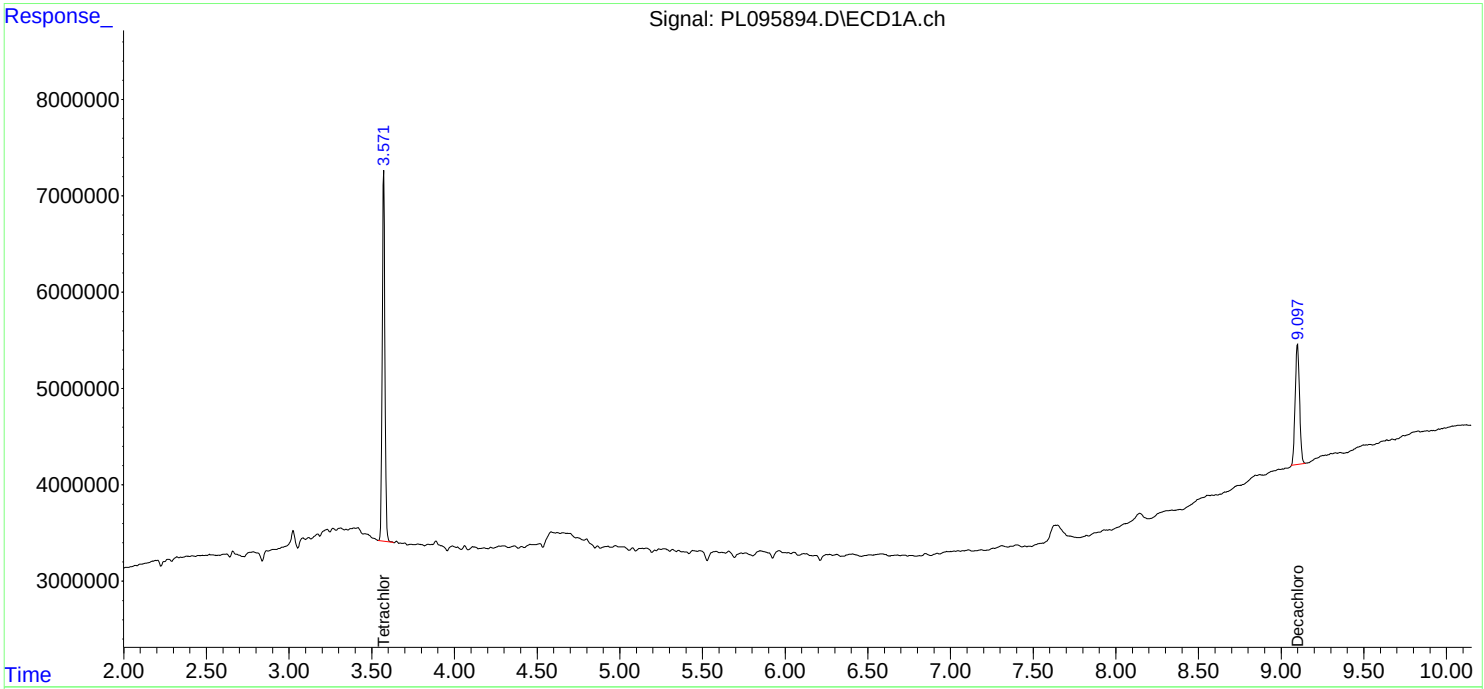
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

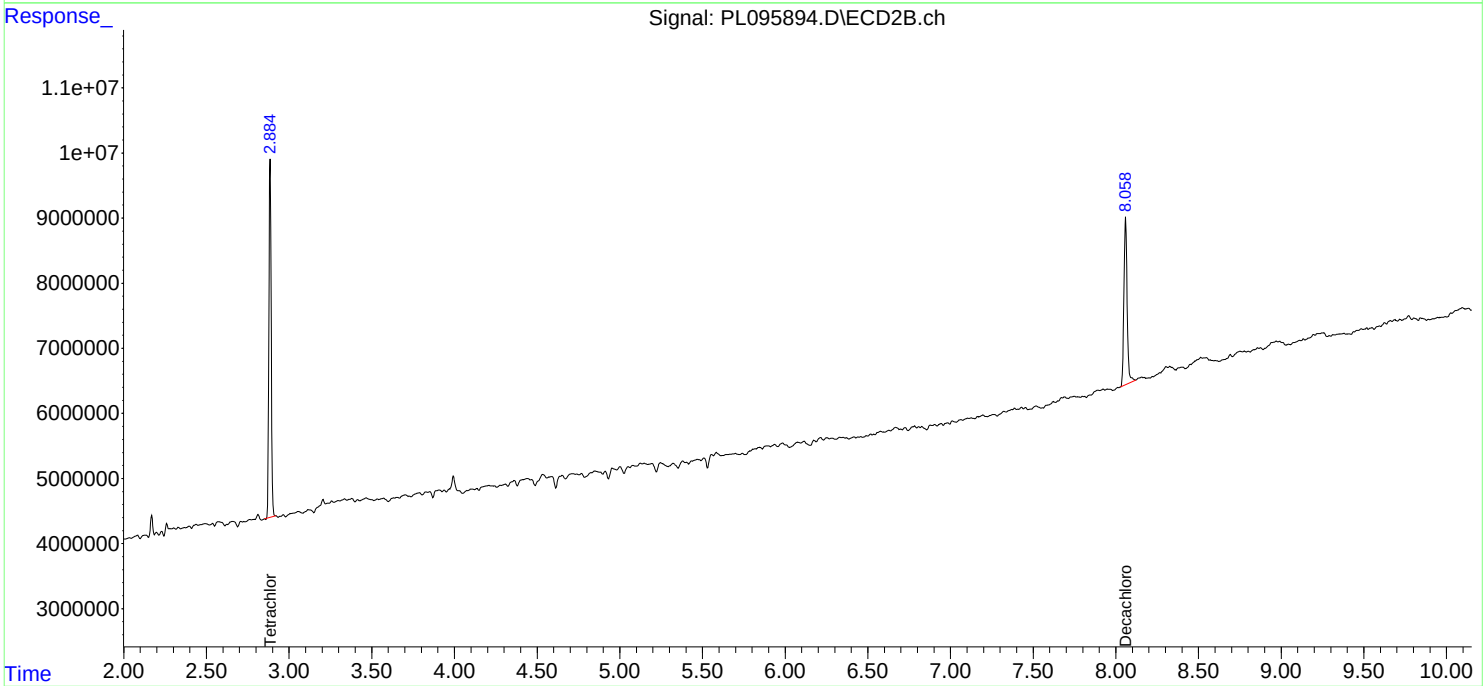
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095894.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 16:17
Operator : AR\AJ
Sample : Q2176-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

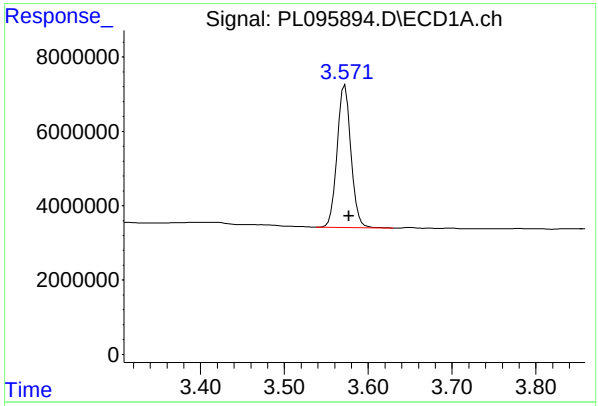
Instrument :
ECD_L
ClientSampleId :
TP-65

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 05:31:55 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



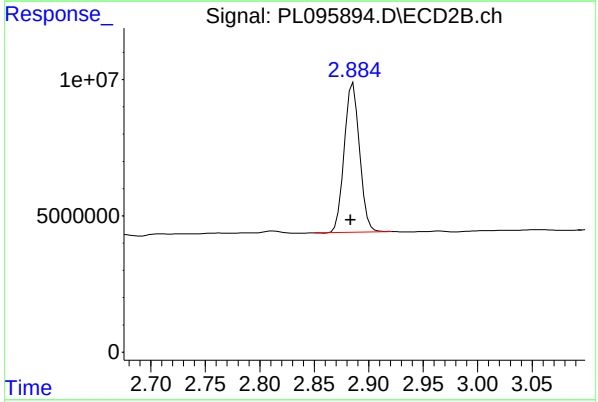




#1 Tetrachloro-m-xylene

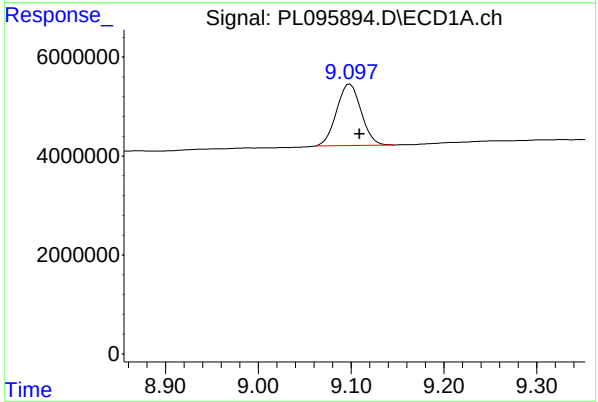
R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 43831179
Conc: 13.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-65



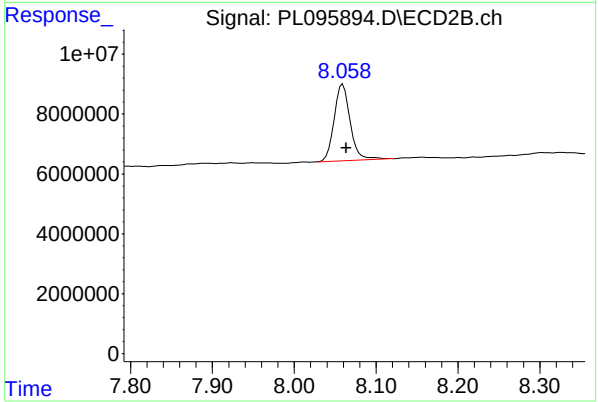
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 53340619
Conc: 13.63 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.099 min
Delta R.T.: -0.010 min
Response: 22837440
Conc: 9.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.004 min
Response: 34848764
Conc: 7.97 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095881.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 12:49
Operator : AR\AJ
Sample : PB168253BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168253BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:35:18 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...	3.577	2.880	65666280	75574283	20.812	19.309
28)	SA Decachlor...	9.107	8.058	48912996	83892291	20.758	19.178
	Target Compounds						

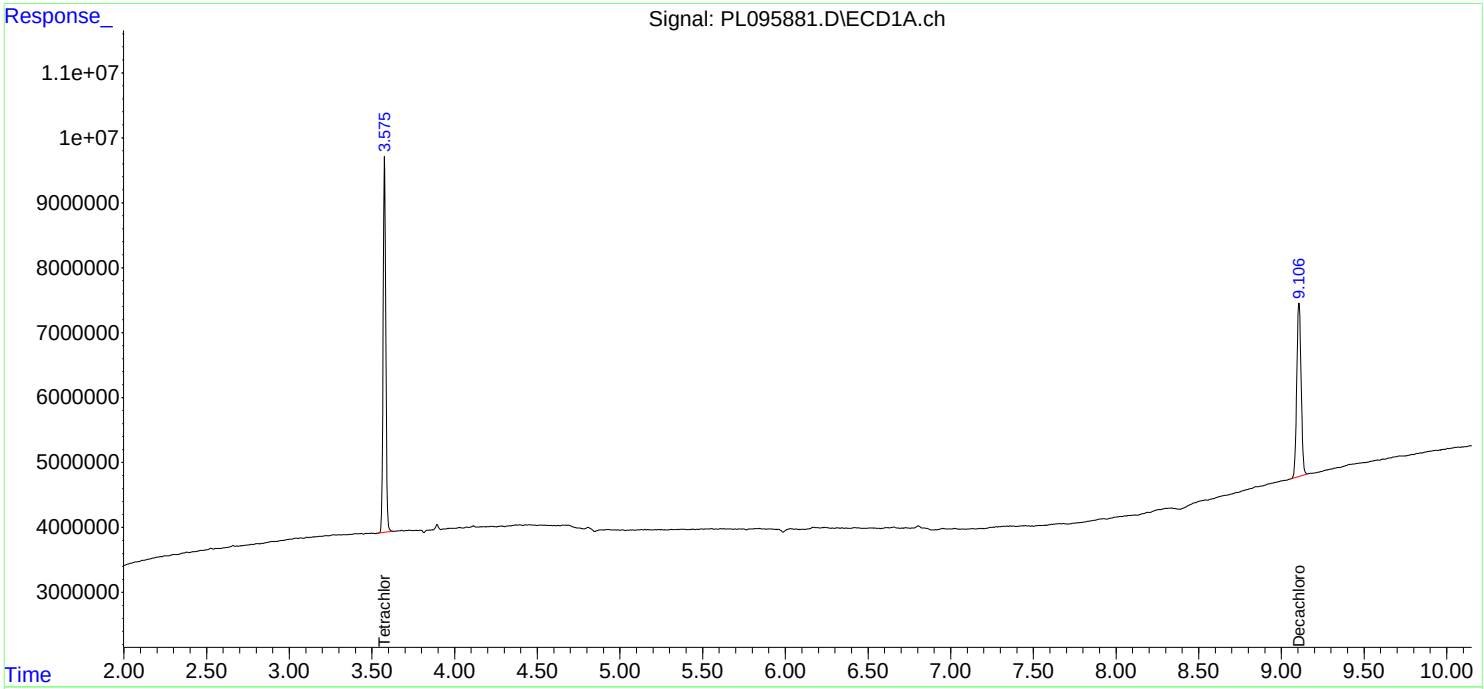
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

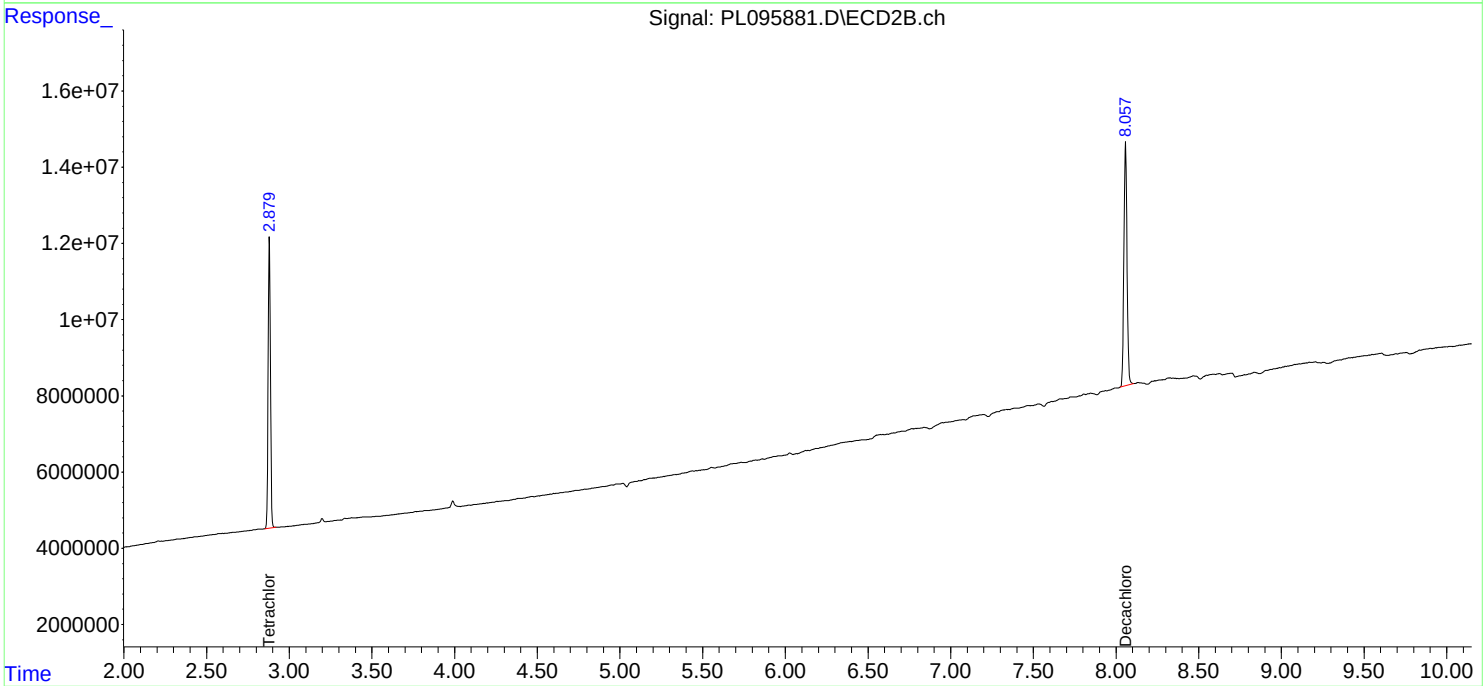
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095881.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 12:49
Operator : AR\AJ
Sample : PB168253BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

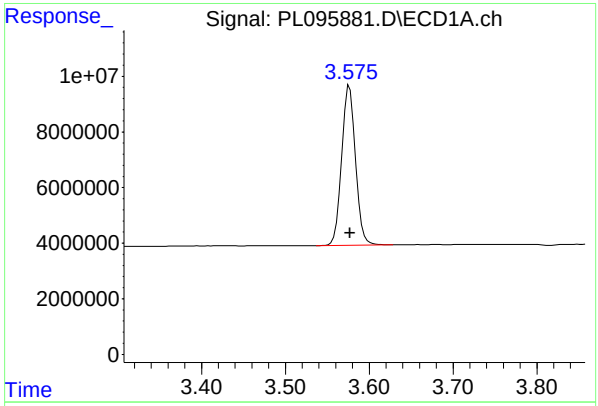
Instrument :
ECD_L
ClientSampleId :
PB168253BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:35:18 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



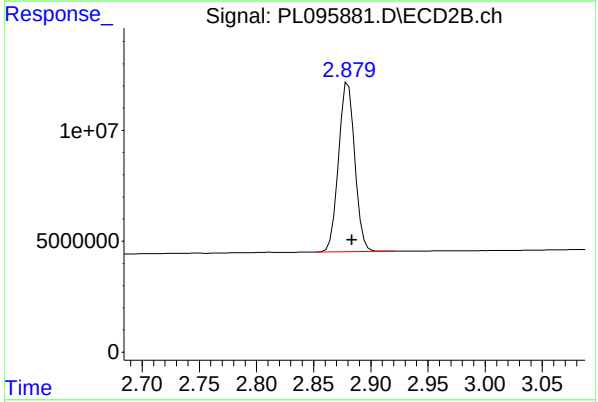




#1 Tetrachloro-m-xylene

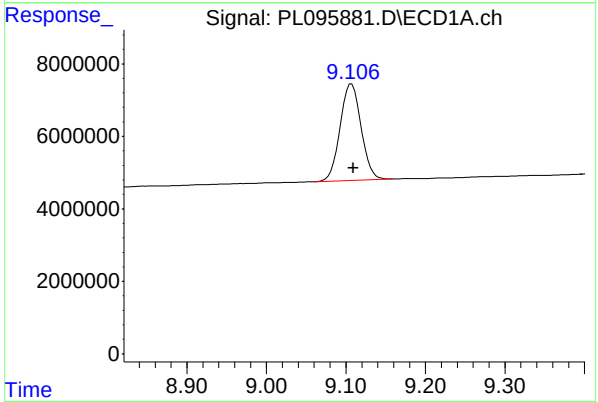
R.T.: 3.577 min
Delta R.T.: 0.000 min
Response: 65666280
Conc: 20.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168253BL



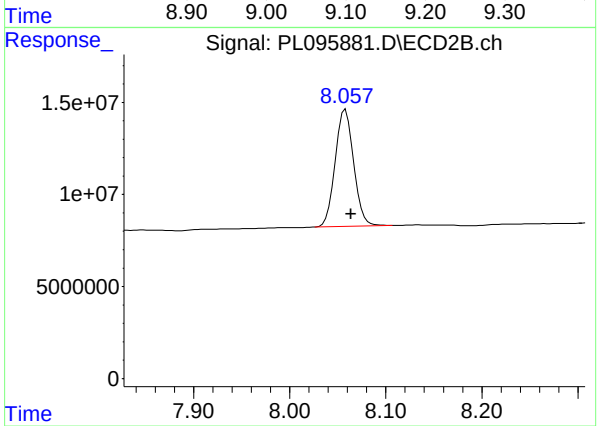
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.003 min
Response: 75574283
Conc: 19.31 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.107 min
Delta R.T.: -0.002 min
Response: 48912996
Conc: 20.76 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.058 min
Delta R.T.: -0.006 min
Response: 83892291
Conc: 19.18 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095882.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 13:03
Operator : AR\AJ
Sample : PB168253BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168253BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:35:26 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	2.884	63766539	75258967	20.210	19.228
28)	SA Decachlor...	9.099	8.059	46966644	85473932	19.932	19.539
	Target Compounds						
2)	A alpha-BHC	4.024	3.394	244.9E6	298.2E6	50.509	50.912
3)	MA gamma-BHC...	4.355	3.727	225.3E6	283.7E6	50.391	50.645
4)	MA Heptachlor	4.953	4.080	186.0E6	278.9E6	49.146	49.728
5)	MB Aldrin	5.296	4.365	218.7E6	271.6E6	51.124	51.170
6)	B beta-BHC	4.543	4.023	97203413	121.9E6	49.308	49.193
7)	B delta-BHC	4.791	4.258	220.4E6	284.3E6	49.701	50.339
8)	B Heptachlo...	5.716	4.866	193.8E6	250.3E6	50.769	50.691
9)	A Endosulfan I	6.100	5.239	184.4E6	240.7E6	50.304	50.521
10)	B gamma-Chl...	5.970	5.119	197.0E6	266.6E6	50.625	50.757
11)	B alpha-Chl...	6.052	5.183	198.2E6	261.3E6	50.204	50.225
12)	B 4,4'-DDE	6.222	5.369	182.9E6	262.6E6	49.856	48.969
13)	MA Dieldrin	6.373	5.503	196.6E6	263.7E6	50.935	49.759
14)	MA Endrin	6.600	5.778	150.9E6	228.6E6	46.771	46.885
15)	B Endosulfa...	6.813	6.069	162.5E6	235.4E6	47.148	49.533
16)	A 4,4'-DDD	6.732	5.922	147.2E6	224.9E6	50.218	51.292
17)	MA 4,4'-DDT	7.047	6.175	126.6E6	216.4E6	46.801	45.238
18)	B Endrin al...	6.942	6.247	120.5E6	172.1E6	49.862	49.832
19)	B Endosulfa...	7.176	6.470	146.7E6	222.1E6	49.114	49.414
20)	A Methoxychlor	7.520	6.745	59738247	113.3E6	46.842	43.306
21)	B Endrin ke...	7.657	6.975	160.1E6	262.6E6	50.542	50.747
22)	Mirex	8.138	7.169	114.6E6	199.1E6	49.513	49.033

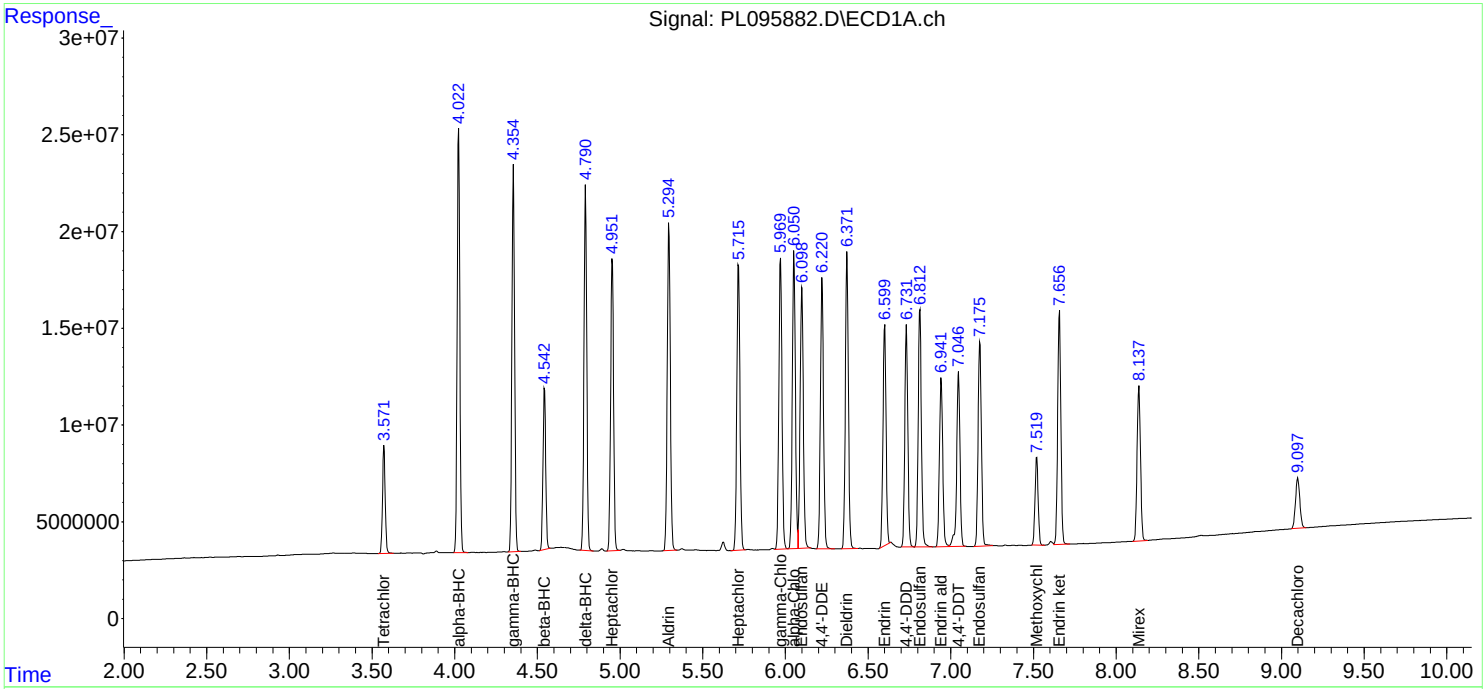
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

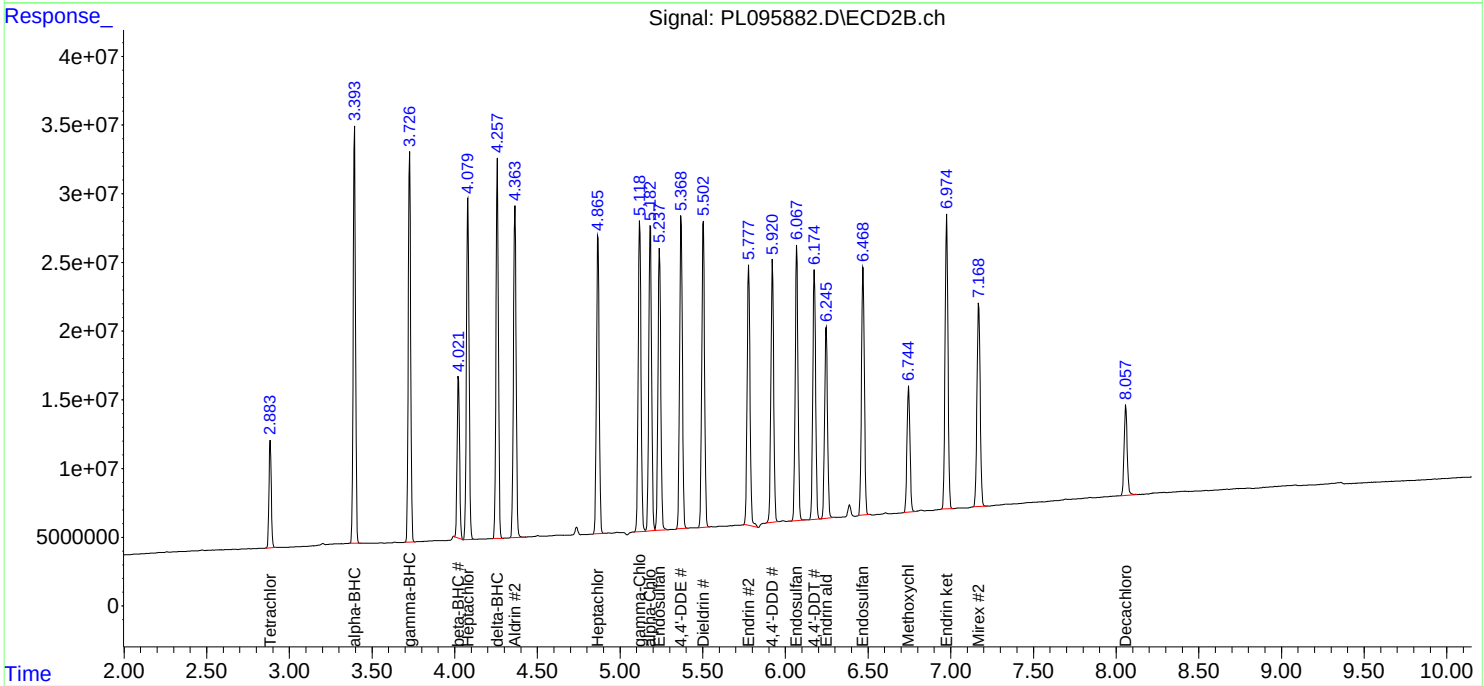
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095882.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 13:03
Operator : AR\AJ
Sample : PB168253BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168253BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:35:26 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





Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095888.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 14:55
Operator : AR\AJ
Sample : Q2176-03MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-25MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 04:15:34 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	49712611	59132920	15.755m	15.108
28)	SA	Decachlor...	9.098	8.060	27112585	49913230	11.506	11.410
		Target Compounds						
2)	A	alpha-BHC	4.024	3.396	221.9E6	274.1E6	45.770	46.795
3)	MA	gamma-BHC...	4.355	3.729	203.7E6	259.2E6	45.553	46.279
4)	MA	Heptachlor	4.953	4.082	168.3E6	251.9E6	44.476	44.914
5)	MB	Aldrin	5.296	4.366	195.2E6	245.0E6	45.624	46.160
6)	B	beta-BHC	4.543	4.024	86155875	111.3E6	43.704	44.922
7)	B	delta-BHC	4.791	4.260	200.0E6	259.1E6	45.114	45.877
8)	B	Heptachlo...	5.717	4.868	174.6E6	225.5E6	45.732	45.677
9)	A	Endosulfan I	6.100	5.240	164.6E6	211.9E6	44.914	44.474
10)	B	gamma-Chl...	5.971	5.121	176.7E6	238.0E6	45.405	45.319
11)	B	alpha-Chl...	6.052	5.185	175.3E6	234.6E6	44.412	45.085
12)	B	4,4'-DDE	6.223	5.371	157.1E6	238.9E6	42.836	44.561
13)	MA	Dieldrin	6.373	5.505	175.4E6	236.7E6	45.454	44.656
14)	MA	Endrin	6.600	5.780	139.3E6	211.0E6	43.183	43.268
15)	B	Endosulfa...	6.814	6.071	146.2E6	208.4E6	42.427	43.862
16)	A	4,4'-DDD	6.733	5.924	134.0E6	193.1E6	45.726	44.036
17)	MA	4,4'-DDT	7.048	6.177	113.7E6	200.1E6	42.037	41.831
18)	B	Endrin al...	6.942	6.248	103.7E6	150.8E6	42.897	43.655
19)	B	Endosulfa...	7.176	6.472	127.5E6	194.1E6	42.700	43.190
20)	A	Methoxychlor	7.520	6.747	54017272	106.4E6	42.356	40.661
21)	B	Endrin ke...	7.656	6.977	144.3E6	224.7E6	45.551m	43.439
22)		Mirex	8.139	7.171	104.3E6	174.4E6	45.082	42.962

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

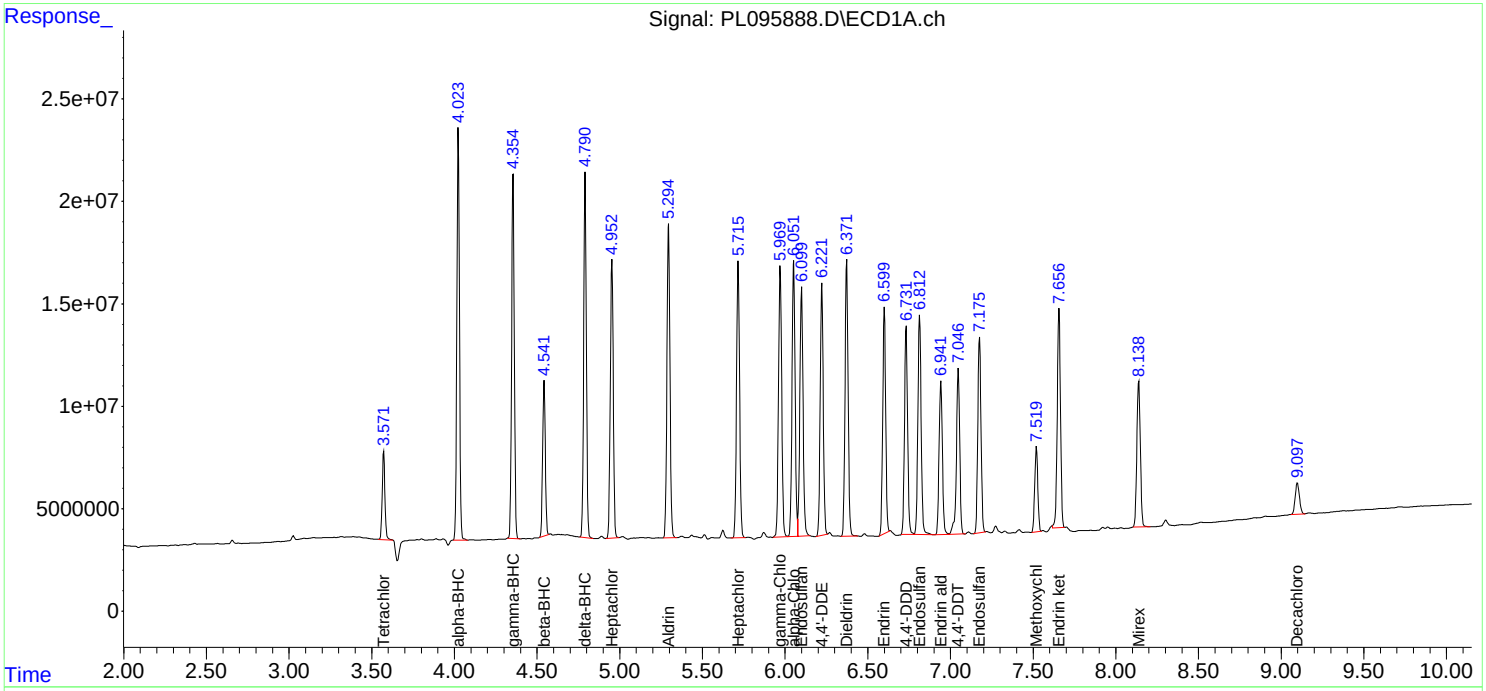
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095888.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 14:55
Operator : AR\AJ
Sample : Q2176-03MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

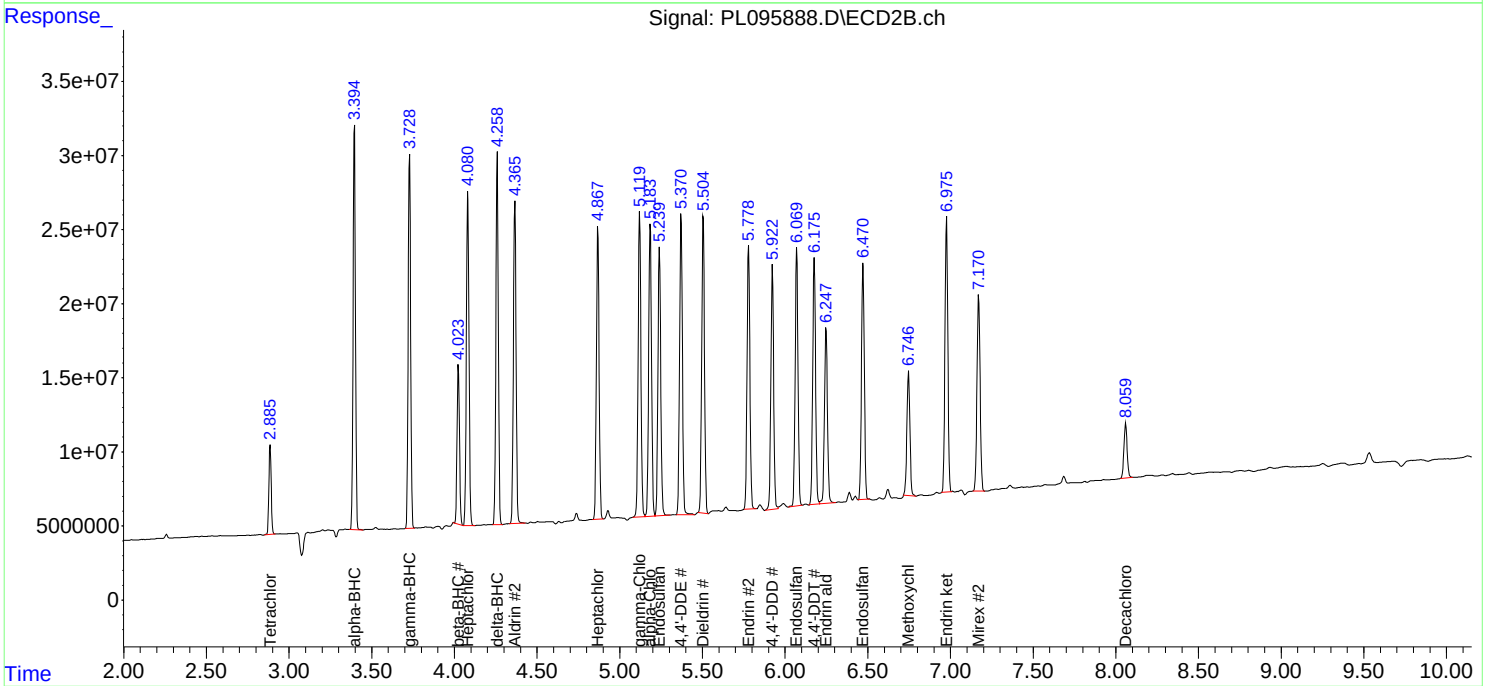
Instrument :
ECD_L
ClientSampleId :
TP-25MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 04:15:34 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\PL060325\
Data File : PL095889.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 15:09
Operator : AR\AJ
Sample : Q2176-03MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-25MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:33 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	48534351	57897501	15.382m	14.793
28)	SA	Decachlor...	9.098	8.060	27002635	49888927	11.460	11.405
		Target Compounds						
2)	A	alpha-BHC	4.024	3.395	219.5E6	271.7E6	45.275	46.384
3)	MA	gamma-BHC...	4.356	3.729	201.2E6	256.3E6	44.992	45.761
4)	MA	Heptachlor	4.953	4.082	166.0E6	248.0E6	43.864	44.215
5)	MB	Aldrin	5.296	4.366	194.1E6	243.3E6	45.378	45.848
6)	B	beta-BHC	4.543	4.025	85340884	110.6E6	43.290	44.623
7)	B	delta-BHC	4.791	4.260	198.5E6	256.6E6	44.763	45.446
8)	B	Heptachlo...	5.717	4.868	173.7E6	225.1E6	45.502	45.600
9)	A	Endosulfan I	6.100	5.240	163.9E6	210.9E6	44.721	44.251
10)	B	gamma-Chl...	5.971	5.121	176.8E6	237.2E6	45.428	45.167
11)	B	alpha-Chl...	6.052	5.185	174.9E6	233.2E6	44.302	44.819
12)	B	4,4'-DDE	6.223	5.372	160.0E6	235.2E6	43.616	43.859
13)	MA	Dieldrin	6.373	5.505	175.0E6	235.8E6	45.351	44.485
14)	MA	Endrin	6.600	5.780	139.3E6	207.9E6	43.174	42.635
15)	B	Endosulfa...	6.813	6.071	146.5E6	208.4E6	42.510	43.866
16)	A	4,4'-DDD	6.732	5.923	133.7E6	192.2E6	45.611	43.836
17)	MA	4,4'-DDT	7.047	6.177	113.4E6	198.2E6	41.927	41.452
18)	B	Endrin al...	6.942	6.249	103.3E6	151.6E6	42.738	43.899
19)	B	Endosulfa...	7.176	6.472	129.2E6	194.0E6	43.253	43.158
20)	A	Methoxychlor	7.520	6.747	53117302	105.9E6	41.650	40.467
21)	B	Endrin ke...	7.656	6.977	141.8E6	226.1E6	44.761m	43.701
22)		Mirex	8.138	7.171	103.5E6	174.4E6	44.714	42.941

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

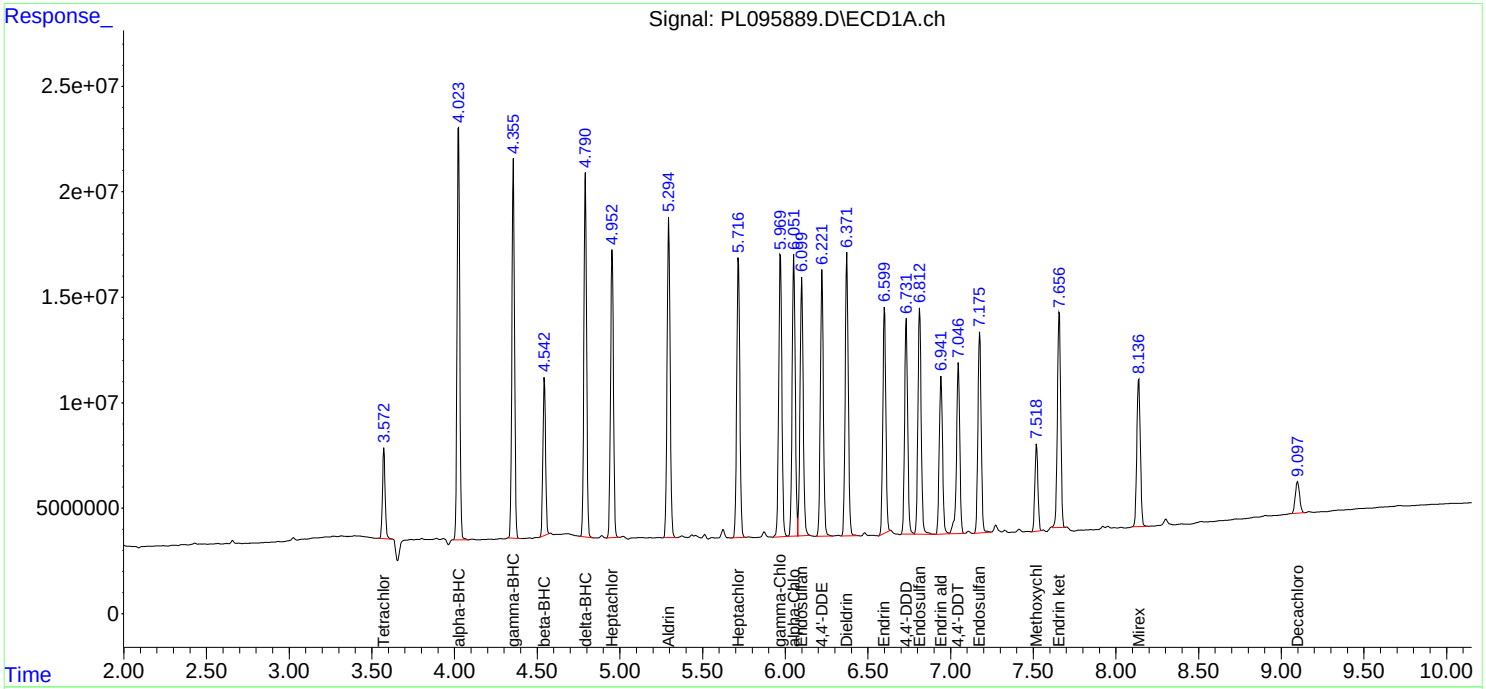
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095889.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 15:09
Operator : AR\AJ
Sample : Q2176-03MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

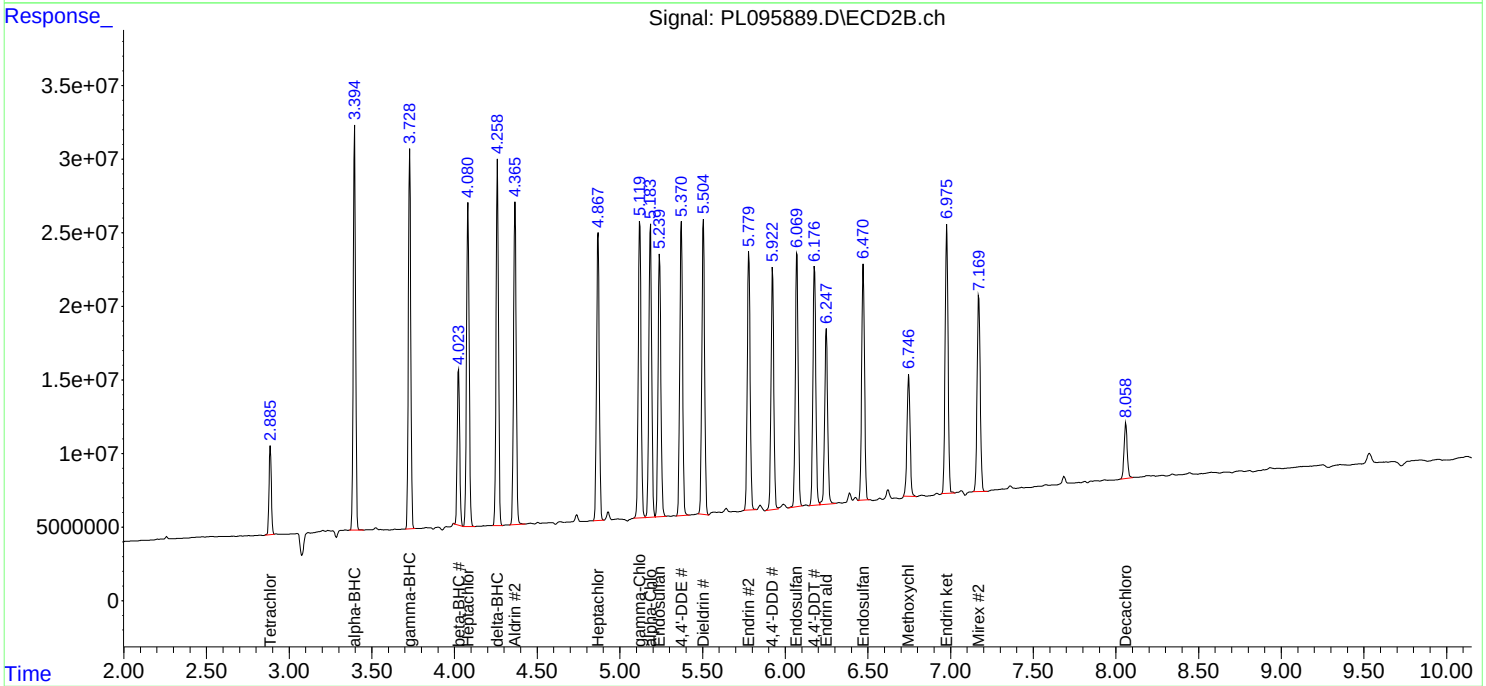
Instrument :
ECD_L
ClientSampleId :
TP-25MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:33 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:	pl060325	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095879.D	4,4"-DDD	Abdul	6/4/2025 9:55:48 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095879.D	Endrin #2	Abdul	6/4/2025 9:55:48 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095879.D	Endrin aldehyde	Abdul	6/4/2025 9:55:48 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095879.D	Endrin aldehyde #2	Abdul	6/4/2025 9:55:48 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095880.D	Endosulfan II #2	Abdul	6/4/2025 9:55:52 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095880.D	Endrin #2	Abdul	6/4/2025 9:55:52 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-01	PL095885.D	Tetrachloro-m-xylene	Abdul	6/4/2025 9:56:05 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-02	PL095886.D	Tetrachloro-m-xylene	Abdul	6/4/2025 9:56:09 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-03	PL095887.D	Dieldrin	Abdul	6/4/2025 9:56:13 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-03	PL095887.D	Dieldrin #2	Abdul	6/4/2025 9:56:13 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-03	PL095887.D	Tetrachloro-m-xylene	Abdul	6/4/2025 9:56:13 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-03MS	PL095888.D	Endrin ketone	Abdul	6/4/2025 9:56:17 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-03MS	PL095888.D	Tetrachloro-m-xylene	Abdul	6/4/2025 9:56:17 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl060325	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2176-03MSD	PL095889.D	Endrin ketone	Abdul	6/4/2025 9:57:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-03MSD	PL095889.D	Tetrachloro-m-xylene	Abdul	6/4/2025 9:57:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-04	PL095890.D	4,4"-DDE	Abdul	6/4/2025 9:57:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-04	PL095890.D	4,4"-DDE #2	Abdul	6/4/2025 9:57:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-04	PL095890.D	alpha-Chlordane #2	Abdul	6/4/2025 9:57:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-04	PL095890.D	gamma-Chlordane	Abdul	6/4/2025 9:57:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-04	PL095890.D	gamma-Chlordane #2	Abdul	6/4/2025 9:57:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-05	PL095891.D	Tetrachloro-m-xylene	Abdul	6/4/2025 9:57:11 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-07	PL095893.D	Tetrachloro-m-xylene	Abdul	6/4/2025 9:57:37 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095897.D	4,4"-DDD #2	Abdul	6/4/2025 9:57:45 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095897.D	Aldrin #2	Abdul	6/4/2025 9:57:45 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095897.D	Endrin #2	Abdul	6/4/2025 9:57:45 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095897.D	Mirex #2	Abdul	6/4/2025 9:57:45 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl060325	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095906.D	4,4"-DDD	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095906.D	4,4"-DDE	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095906.D	4,4"-DDE #2	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095906.D	Endrin #2	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095906.D	Endrin aldehyde	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095907.D	4,4"-DDE #2	Abdul	6/4/2025 9:58:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095907.D	Aldrin #2	Abdul	6/4/2025 9:58:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095907.D	Endrin #2	Abdul	6/4/2025 9:58:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095907.D	gamma-Chlordane	Abdul	6/4/2025 9:58:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095912.D	4,4"-DDE #2	Abdul	6/4/2025 9:58:19 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095912.D	Aldrin #2	Abdul	6/4/2025 9:58:19 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095912.D	Endrin #2	Abdul	6/4/2025 9:58:19 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095912.D	gamma-Chlordane	Abdul	6/4/2025 9:58:19 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl060325	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

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

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 # 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

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 # PL060325

Review By	Abdul	Review On	6/4/2025 10:00:00 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:35:39 AM		
SubDirectory	PL060325	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	PL095877.D	03 Jun 2025 09:15	AR\AJ	Ok
2	I.BLK	PL095878.D	03 Jun 2025 09:28	AR\AJ	Ok
3	PEM	PL095879.D	03 Jun 2025 09:42	AR\AJ	Ok,M
4	PSTDCCC050	PL095880.D	03 Jun 2025 09:56	AR\AJ	Ok,M
5	PB168253BL	PL095881.D	03 Jun 2025 12:49	AR\AJ	Ok
6	PB168253BS	PL095882.D	03 Jun 2025 13:03	AR\AJ	Ok
7	Q2185-01	PL095883.D	03 Jun 2025 13:47	AR\AJ	Ok,M
8	Q2185-05	PL095884.D	03 Jun 2025 14:01	AR\AJ	Ok,M
9	Q2176-01	PL095885.D	03 Jun 2025 14:14	AR\AJ	Ok,M
10	Q2176-02	PL095886.D	03 Jun 2025 14:28	AR\AJ	Ok,M
11	Q2176-03	PL095887.D	03 Jun 2025 14:42	AR\AJ	Ok,M
12	Q2176-03MS	PL095888.D	03 Jun 2025 14:55	AR\AJ	Ok,M
13	Q2176-03MSD	PL095889.D	03 Jun 2025 15:09	AR\AJ	Ok,M
14	Q2176-04	PL095890.D	03 Jun 2025 15:22	AR\AJ	Ok,M
15	Q2176-05	PL095891.D	03 Jun 2025 15:36	AR\AJ	Ok,M
16	Q2176-06	PL095892.D	03 Jun 2025 15:50	AR\AJ	Ok
17	Q2176-07	PL095893.D	03 Jun 2025 16:03	AR\AJ	Ok,M
18	Q2176-08	PL095894.D	03 Jun 2025 16:17	AR\AJ	Ok
19	Q2173-06	PL095895.D	03 Jun 2025 16:34	AR\AJ	Ok,M
20	I.BLK	PL095896.D	03 Jun 2025 16:48	AR\AJ	Ok
21	PSTDCCC050	PL095897.D	03 Jun 2025 17:01	AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL060325

Review By	Abdul	Review On	6/4/2025 10:00:00 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:35:39 AM		
SubDirectory	PL060325	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	Q2173-06MS	PL095898.D	03 Jun 2025 17:15	AR\AJ	Ok,M
23	Q2173-06MSD	PL095899.D	03 Jun 2025 17:29	AR\AJ	Ok,M
24	Q2173-12	PL095900.D	03 Jun 2025 17:42	AR\AJ	Ok
25	Q2173-18	PL095901.D	03 Jun 2025 17:57	AR\AJ	Ok,M
26	PB168264BL	PL095902.D	03 Jun 2025 18:10	AR\AJ	Ok
27	PB168264BS	PL095903.D	03 Jun 2025 18:24	AR\AJ	Not Ok
28	PB168224TB	PL095904.D	03 Jun 2025 18:38	AR\AJ	Ok
29	I.BLK	PL095905.D	03 Jun 2025 18:51	AR\AJ	Ok
30	PEM	PL095906.D	03 Jun 2025 19:05	AR\AJ	Ok,M
31	PSTDCCC050	PL095907.D	03 Jun 2025 19:18	AR\AJ	Ok,M
32	Q2177-03	PL095908.D	03 Jun 2025 19:32	AR\AJ	Ok
33	Q2177-05	PL095909.D	03 Jun 2025 19:46	AR\AJ	Ok
34	Q2177-07	PL095910.D	03 Jun 2025 19:59	AR\AJ	Ok,M
35	I.BLK	PL095911.D	03 Jun 2025 20:13	AR\AJ	Ok
36	PSTDCCC050	PL095912.D	03 Jun 2025 20:27	AR\AJ	Ok,M

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

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL060325

Review By	Abdul	Review On	6/4/2025 10:00:00 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:35:39 AM		
SubDirectory	PL060325	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	PL095877.D	03 Jun 2025 09:15		AR\AJ	Ok
2	I.BLK	I.BLK	PL095878.D	03 Jun 2025 09:28		AR\AJ	Ok
3	PEM	PEM	PL095879.D	03 Jun 2025 09:42		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL095880.D	03 Jun 2025 09:56		AR\AJ	Ok,M
5	PB168253BL	PB168253BL	PL095881.D	03 Jun 2025 12:49		AR\AJ	Ok
6	PB168253BS	PB168253BS	PL095882.D	03 Jun 2025 13:03		AR\AJ	Ok
7	Q2185-01	TP02-MHB-WC	PL095883.D	03 Jun 2025 13:47		AR\AJ	Ok,M
8	Q2185-05	TP01-MHB-WC	PL095884.D	03 Jun 2025 14:01		AR\AJ	Ok,M
9	Q2176-01	TP-46	PL095885.D	03 Jun 2025 14:14		AR\AJ	Ok,M
10	Q2176-02	TP-56	PL095886.D	03 Jun 2025 14:28		AR\AJ	Ok,M
11	Q2176-03	TP-25	PL095887.D	03 Jun 2025 14:42		AR\AJ	Ok,M
12	Q2176-03MS	TP-25MS	PL095888.D	03 Jun 2025 14:55		AR\AJ	Ok,M
13	Q2176-03MSD	TP-25MSD	PL095889.D	03 Jun 2025 15:09		AR\AJ	Ok,M
14	Q2176-04	TP-26	PL095890.D	03 Jun 2025 15:22		AR\AJ	Ok,M
15	Q2176-05	TP-28	PL095891.D	03 Jun 2025 15:36		AR\AJ	Ok,M
16	Q2176-06	TP-27	PL095892.D	03 Jun 2025 15:50		AR\AJ	Ok
17	Q2176-07	TP-31	PL095893.D	03 Jun 2025 16:03		AR\AJ	Ok,M
18	Q2176-08	TP-65	PL095894.D	03 Jun 2025 16:17		AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL060325

Review By	Abdul	Review On	6/4/2025 10:00:00 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:35:39 AM		
SubDirectory	PL060325	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	Q2173-06	OR-400-CF-402B-COM	PL095895.D	03 Jun 2025 16:34		AR\AJ	Ok,M
20	I.BLK	I.BLK	PL095896.D	03 Jun 2025 16:48		AR\AJ	Ok
21	PSTDCCC050	PSTDCCC050	PL095897.D	03 Jun 2025 17:01		AR\AJ	Ok,M
22	Q2173-06MS	OR-400-CF-402B-COM	PL095898.D	03 Jun 2025 17:15		AR\AJ	Ok,M
23	Q2173-06MSD	OR-400-CF-402B-COM	PL095899.D	03 Jun 2025 17:29		AR\AJ	Ok,M
24	Q2173-12	OR-400-CF-402B-COM	PL095900.D	03 Jun 2025 17:42		AR\AJ	Ok
25	Q2173-18	OR-400-CF-402B-COM	PL095901.D	03 Jun 2025 17:57	DCB high in 2nd column	AR\AJ	Ok,M
26	PB168264BL	PB168264BL	PL095902.D	03 Jun 2025 18:10		AR\AJ	Ok
27	PB168264BS	PB168264BS	PL095903.D	03 Jun 2025 18:24	Looks like hexan	AR\AJ	Not Ok
28	PB168224TB	PB168224TB	PL095904.D	03 Jun 2025 18:38		AR\AJ	Ok
29	I.BLK	I.BLK	PL095905.D	03 Jun 2025 18:51		AR\AJ	Ok
30	PEM	PEM	PL095906.D	03 Jun 2025 19:05		AR\AJ	Ok,M
31	PSTDCCC050	PSTDCCC050	PL095907.D	03 Jun 2025 19:18		AR\AJ	Ok,M
32	Q2177-03	B-187-SB01	PL095908.D	03 Jun 2025 19:32		AR\AJ	Ok
33	Q2177-05	B-187-SB02	PL095909.D	03 Jun 2025 19:46		AR\AJ	Ok
34	Q2177-07	B-202-SB01	PL095910.D	03 Jun 2025 19:59		AR\AJ	Ok,M
35	I.BLK	I.BLK	PL095911.D	03 Jun 2025 20:13		AR\AJ	Ok
36	PSTDCCC050	PSTDCCC050	PL095912.D	03 Jun 2025 20:27		AR\AJ	Ok,M

M : Manual Integration

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EXTRACTION LOGPAGE

PB168253

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Florisil			**Extraction Start Date :**	06/03/2025
Matrix :	Solid			**Extraction Start Time :**	09:30
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	06/03/2025
Balance check:	EH	**Filter By:**	RJ	**Extraction End Time :**	12:45
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	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	EP2620
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	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/3/25	RS (Ext lab)	Y PREP LAB,
12:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168253

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 06/03/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168253BL	PBLK253	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			U1-1
PB168253BS	PLCS253	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			2
Q2176-01	TP-46	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		3
Q2176-02	TP-56	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		4
Q2176-03	TP-25	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		5
Q2176-03MS	TP-25MS	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		6
Q2176-03MSD	TP-25MSD	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		U2-1
Q2176-04	TP-26	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		2
Q2176-05	TP-28	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		3
Q2176-06	TP-27	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		4
Q2176-07	TP-31	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		5
Q2176-08	TP-65	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		6
Q2185-01	TP02-MHB-WC	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	B		U3-1
Q2185-05	TP01-MHB-WC	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	B		2

RS 6/3/25

* **Extracts relinquished on the same date as received.**

Q2176 9:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2176 **WorkList ID :** 189891 **Department :** Extraction **Date :** 06-03-2025 09:00:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2176-01	TP-46	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/28/2025	8081B
Q2176-02	TP-56	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/29/2025	8081B
Q2176-03	TP-25	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/29/2025	8081B
Q2176-04	TP-26	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/29/2025	8081B
Q2176-05	TP-28	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/29/2025	8081B
Q2176-06	TP-27	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/29/2025	8081B
Q2176-07	TP-31	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/29/2025	8081B
Q2176-08	TP-65	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/30/2025	8081B
Q2185-01	TP02-MHB-WC	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L31	06/02/2025	8081B
Q2185-05	TP01-MHB-WC	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L31	06/02/2025	8081B

750 of 1275

Date/Time 06/03/25 9:25
Raw Sample Received by: RJ (EH-Lab)
Raw Sample Relinquished by: SM

Date/Time 06/03/25 9:45
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (EH-Lab)

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LAB CHRONICLE

OrderID:	Q2176	**OrderDate:**	5/30/2025 4:04:00 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
Q2176-01	**TP-46**	**SOIL**			**05/28/25**			**05/30/25**
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-02	**TP-56**	**SOIL**			**05/29/25**			**05/30/25**
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-03	**TP-25**	**SOIL**			**05/29/25**			**05/30/25**
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-04	**TP-26**	**SOIL**			**05/29/25**			**05/30/25**
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-05	**TP-28**	**SOIL**			**05/29/25**			**05/30/25**
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-06	**TP-27**	**SOIL**			**05/29/25**			**05/30/25**
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-07	**TP-31**	**SOIL**			**05/29/25**			**05/30/25**
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-08	**TP-65**	**SOIL**			**05/30/25**			**05/30/25**
			Pesticide-TCL	8081B		06/03/25	06/03/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2176 **Order ID:** Q2176

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-25								
Q2176-03	TP-25	SOIL	Aroclor-1260	8.50	J	3.80	19.8	ug/kg
			Total Concentration:	**8.500**				

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:	05/28/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-46	SDG No.:	Q2176
Lab Sample ID:	Q2176-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	83.7 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111459.D	1	06/03/25 09:30	06/04/25 10:49	PB168252

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	20.8		32 - 144	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.6		32 - 175	83%	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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-56	SDG No.:	Q2176
Lab Sample ID:	Q2176-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86.2 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
PO111460.D	1	06/03/25 09:30	06/04/25 11:08	PB168252

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	20.9		32 - 144	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.1		32 - 175	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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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25	SDG No.:	Q2176
Lab Sample ID:	Q2176-03	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	85.7 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
PO111461.D	1	06/03/25 09:30	06/04/25 11:26	PB168252

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	8.50	J	3.80	19.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.3		32 - 144	112%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.8		32 - 175	79%	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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-26	SDG No.:	Q2176
Lab Sample ID:	Q2176-04	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	85.2 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
PP072567.D	1	06/03/25 09:30	06/03/25 15:54	PB168252

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	21.6		32 - 144	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.9		32 - 175	94%	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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-28	SDG No.:	Q2176
Lab Sample ID:	Q2176-05	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	90.5 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072573.D	1	06/03/25 09:30	06/03/25 18:37	PB168252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.40	U	4.40	18.7	ug/kg
11104-28-2	Aroclor-1221	4.40	U	4.40	18.7	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	18.7	ug/kg
53469-21-9	Aroclor-1242	4.40	U	4.40	18.7	ug/kg
12672-29-6	Aroclor-1248	6.50	U	6.50	18.7	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	18.7	ug/kg
37324-23-5	Aroclor-1262	5.50	U	5.50	18.7	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	18.7	ug/kg
11096-82-5	Aroclor-1260	3.60	U	3.60	18.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.7		32 - 144	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.2		32 - 175	101%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-27	SDG No.:	Q2176
Lab Sample ID:	Q2176-06	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	83.1 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
PP072576.D	1	06/03/25 09:30	06/03/25 19:26	PB168252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.70	U	4.70	20.4	ug/kg
11104-28-2	Aroclor-1221	4.80	U	4.80	20.4	ug/kg
11141-16-5	Aroclor-1232	4.50	U	4.50	20.4	ug/kg
53469-21-9	Aroclor-1242	4.80	U	4.80	20.4	ug/kg
12672-29-6	Aroclor-1248	7.10	U	7.10	20.4	ug/kg
11097-69-1	Aroclor-1254	3.90	U	3.90	20.4	ug/kg
37324-23-5	Aroclor-1262	6.00	U	6.00	20.4	ug/kg
11100-14-4	Aroclor-1268	4.30	U	4.30	20.4	ug/kg
11096-82-5	Aroclor-1260	3.90	U	3.90	20.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.3		32 - 144	112%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.6		32 - 175	98%	SPK: 20

Comments:

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-31	SDG No.:	Q2176
Lab Sample ID:	Q2176-07	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86.8 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
PP072577.D	1	06/03/25 09:30	06/03/25 19:42	PB168252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.50	U	4.50	19.5	ug/kg
11104-28-2	Aroclor-1221	4.60	U	4.60	19.5	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.5	ug/kg
53469-21-9	Aroclor-1242	4.60	U	4.60	19.5	ug/kg
12672-29-6	Aroclor-1248	6.80	U	6.80	19.5	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.5	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	19.5	ug/kg
11100-14-4	Aroclor-1268	4.10	U	4.10	19.5	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	19.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.1		32 - 144	90%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.8		32 - 175	64%	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:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-65	SDG No.:	Q2176
Lab Sample ID:	Q2176-08	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	87.3 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072578.D	1	06/03/25 09:30	06/03/25 19:59	PB168252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.50	U	4.50	19.5	ug/kg
11104-28-2	Aroclor-1221	4.60	U	4.60	19.5	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.5	ug/kg
53469-21-9	Aroclor-1242	4.60	U	4.60	19.5	ug/kg
12672-29-6	Aroclor-1248	6.80	U	6.80	19.5	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.5	ug/kg
37324-23-5	Aroclor-1262	5.70	U	5.70	19.5	ug/kg
11100-14-4	Aroclor-1268	4.10	U	4.10	19.5	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	19.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.2		32 - 144	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.6		32 - 175	88%	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

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

Surrogate Summary

SDG No.: Q2176

Client: CDM Smith

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PO111057.D	PIBLK-PO111057.D	Tetrachloro-m-xylene	1	20	16.4	82		60	140
		Decachlorobiphenyl	1	20	17.5	87		60	140
		Tetrachloro-m-xylene	2	20	15.4	77		60	140
		Decachlorobiphenyl	2	20	17.9	90		60	140
I.BLK-PO111457.D	PIBLK-PO111457.D	Tetrachloro-m-xylene	1	20	20.1	101		60	140
		Decachlorobiphenyl	1	20	19.1	96		60	140
		Tetrachloro-m-xylene	2	20	18.2	91		60	140
		Decachlorobiphenyl	2	20	18.1	91		60	140
Q2176-01	TP-46	Tetrachloro-m-xylene	1	20	20.8	104		32	144
		Decachlorobiphenyl	1	20	16.6	83		32	175
		Tetrachloro-m-xylene	2	20	19.3	96		32	144
		Decachlorobiphenyl	2	20	15.7	79		32	175
Q2176-02	TP-56	Tetrachloro-m-xylene	1	20	20.9	105		32	144
		Decachlorobiphenyl	1	20	14.1	71		32	175
		Tetrachloro-m-xylene	2	20	19.3	97		32	144
		Decachlorobiphenyl	2	20	13.7	68		32	175
Q2176-03	TP-25	Tetrachloro-m-xylene	1	20	22.3	112		32	144
		Decachlorobiphenyl	1	20	15.8	79		32	175
		Tetrachloro-m-xylene	2	20	20.6	103		32	144
		Decachlorobiphenyl	2	20	15.5	77		32	175
I.BLK-PO111472.D	PIBLK-PO111472.D	Tetrachloro-m-xylene	1	20	19.6	98		60	140
		Decachlorobiphenyl	1	20	18.9	95		60	140
		Tetrachloro-m-xylene	2	20	18.1	91		60	140
		Decachlorobiphenyl	2	20	17.8	89		60	140
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-PP072557.D	PIBLK-PP072557.D	Tetrachloro-m-xylene	1	20	19.2	96		60	140
		Decachlorobiphenyl	1	20	20.2	101		60	140
		Tetrachloro-m-xylene	2	20	20.9	104		60	140
		Decachlorobiphenyl	2	20	23.4	117		60	140
PB168252BL	PB168252BL	Tetrachloro-m-xylene	1	20	19.4	97		32	144
		Decachlorobiphenyl	1	20	20.5	102		32	175
		Tetrachloro-m-xylene	2	20	21.1	105		32	144
		Decachlorobiphenyl	2	20	22.6	113		32	175
Q2176-04	TP-26	Tetrachloro-m-xylene	1	20	18.3	92		32	144
		Decachlorobiphenyl	1	20	16.2	81		32	175
		Tetrachloro-m-xylene	2	20	21.6	108		32	144
		Decachlorobiphenyl	2	20	18.9	94		32	175
I.BLK-PP072572.D	PIBLK-PP072572.D	Tetrachloro-m-xylene	1	20	18.9	95		60	140

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Surrogate Summary

SDG No.: Q2176

Client: CDM Smith

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PP072572.D	PIBLK-PP072572.D	Decachlorobiphenyl	1	20	19.7	99		60	140
		Tetrachloro-m-xylene	2	20	20.3	102		60	140
		Decachlorobiphenyl	2	20	22.7	114		60	140
Q2176-05	TP-28	Tetrachloro-m-xylene	1	20	19.1	96		32	144
		Decachlorobiphenyl	1	20	17.1	85		32	175
		Tetrachloro-m-xylene	2	20	21.7	109		32	144
		Decachlorobiphenyl	2	20	20.2	101		32	175
Q2176-05MS	TP-28MS	Tetrachloro-m-xylene	1	20	21.4	107		32	144
		Decachlorobiphenyl	1	20	19.3	97		32	175
		Tetrachloro-m-xylene	2	20	22.3	112		32	144
		Decachlorobiphenyl	2	20	22.2	111		32	175
Q2176-05MSD	TP-28MSD	Tetrachloro-m-xylene	1	20	18.8	94		32	144
		Decachlorobiphenyl	1	20	16.1	80		32	175
		Tetrachloro-m-xylene	2	20	19.6	98		32	144
		Decachlorobiphenyl	2	20	19.3	97		32	175
Q2176-06	TP-27	Tetrachloro-m-xylene	1	20	20.9	105		32	144
		Decachlorobiphenyl	1	20	16.8	84		32	175
		Tetrachloro-m-xylene	2	20	22.3	112		32	144
		Decachlorobiphenyl	2	20	19.6	98		32	175
Q2176-07	TP-31	Tetrachloro-m-xylene	1	20	16.7	83		32	144
		Decachlorobiphenyl	1	20	10.3	51		32	175
		Tetrachloro-m-xylene	2	20	18.1	90		32	144
		Decachlorobiphenyl	2	20	12.8	64		32	175
Q2176-08	TP-65	Tetrachloro-m-xylene	1	20	20.3	101		32	144
		Decachlorobiphenyl	1	20	15.1	75		32	175
		Tetrachloro-m-xylene	2	20	21.2	106		32	144
		Decachlorobiphenyl	2	20	17.6	88		32	175
I.BLK-PP072587.D	PIBLK-PP072587.D	Tetrachloro-m-xylene	1	20	18.6	93		60	140
		Decachlorobiphenyl	1	20	19.5	98		60	140
		Tetrachloro-m-xylene	2	20	20.5	103		60	140
		Decachlorobiphenyl	2	20	23.0	115		60	140
I.BLK-PP072608.D	PIBLK-PP072608.D	Tetrachloro-m-xylene	1	20	16.9	85		60	140
		Decachlorobiphenyl	1	20	18.2	91		60	140
		Tetrachloro-m-xylene	2	20	19.0	95		60	140
		Decachlorobiphenyl	2	20	21.9	109		60	140
PB168252BS	PB168252BS	Tetrachloro-m-xylene	1	20	19.5	97		32	144
		Decachlorobiphenyl	1	20	20.5	103		32	175
		Tetrachloro-m-xylene	2	20	20.0	100		32	144
		Decachlorobiphenyl	2	20	23.5	117		32	175
I.BLK-PP072623.D	PIBLK-PP072623.D	Tetrachloro-m-xylene	1	20	17.3	87		60	140
		Decachlorobiphenyl	1	20	18.9	94		60	140

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Surrogate Summary

SDG No.: Q2176

Client: CDM Smith

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PP072623.D	PIBLK-PP072623.D	Tetrachloro-m-xylene	2	20	19.3	97		60	140
		Decachlorobiphenyl	2	20	21.0	105		60	140

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2176 **Analytical Method:** 8082A

Client: CDM Smith **DataFile :** PP072574.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-28MS**											
Q2176-05MS (Column 1)	AR1016	184	0	150	ug/kg	82				55	146	
	AR1260	184	0	140	ug/kg	76				54	119	
Client Sample ID:	**TP-28MS**											
Q2176-05MS (Column 2)	AR1016	184	0	168	ug/kg	91				55	146	
	AR1260	184	0	161	ug/kg	88				54	119	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2176 **Analytical Method:** 8082A

Client: CDM Smith **DataFile :** PP072575.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-28MSD**											
Q2176-05MSD (Column 1)	AR1016	183.9	0	128	ug/kg	70		16		55	146	20
	AR1260	183.9	0	117	ug/kg	64		17		54	119	20
Client Sample ID:	**TP-28MSD**											
Q2176-05MSD (Column 2)	AR1016	183.9	0	142	ug/kg	77		17		55	146	20
	AR1260	183.9	0	139	ug/kg	76		15		54	119	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2176 **Analytical Method:** 8082A

Client: CDM Smith **Datafile :** PP072614.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168252BS (Column 1)	AR1016	166.6	140	ug/kg	84				71	120	
	AR1260	166.6	144	ug/kg	86				65	130	
PB168252BS (Column 2)	AR1016	166.6	153	ug/kg	92				71	120	
	AR1260	166.6	157	ug/kg	94				65	130	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168252BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Lab Sample ID: PB168252BL Lab File ID: PP072558.D

Matrix: (soil/water) Solid Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 06/03/2025

Date Analyzed (1): 06/03/2025 Date Analyzed (2): 06/03/2025

Time Analyzed (1): 13:28 Time Analyzed (2): 13:28

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
TP-46	Q2176-01	PO111459.D	06/04/2025	06/04/2025
TP-56	Q2176-02	PO111460.D	06/04/2025	06/04/2025
TP-25	Q2176-03	PO111461.D	06/04/2025	06/04/2025
TP-26	Q2176-04	PP072567.D	06/03/2025	06/03/2025
TP-28	Q2176-05	PP072573.D	06/03/2025	06/03/2025
TP-28MS	Q2176-05MS	PP072574.D	06/03/2025	06/03/2025
TP-28MSD	Q2176-05MSD	PP072575.D	06/03/2025	06/03/2025
TP-27	Q2176-06	PP072576.D	06/03/2025	06/03/2025
TP-31	Q2176-07	PP072577.D	06/03/2025	06/03/2025
TP-65	Q2176-08	PP072578.D	06/03/2025	06/03/2025
PB168252BS	PB168252BS	PP072614.D	06/04/2025	06/04/2025

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:	PB168252BL	SDG No.:	Q2176
Lab Sample ID:	PB168252BL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072558.D	1	06/03/25 09:30	06/03/25 13:28	PB168252

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	21.1		32 - 144	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.6		32 - 175	113%	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:	05/14/25
Project:	South River WM Replacement	Date Received:	05/14/25
Client Sample ID:	PIBLK-PO111057.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PO111057.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
PO111057.D	1		05/14/25	PO051525

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	15.4		60 - 140	77%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.5		60 - 140	87%	SPK: 20

Comments:

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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-PO111457.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PO111457.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
PO111457.D	1		06/04/25	po060425

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	18.2		60 - 140	91%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.1		60 - 140	91%	SPK: 20

Comments:

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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:	06/04/25
Project:	South River WM Replacement	Date Received:	06/04/25
Client Sample ID:	PIBLK-PO111472.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PO111472.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
PO111472.D	1		06/04/25	po060425

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	17.8		60 - 140	89%	SPK: 20

Comments:

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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.:	Q2176
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:

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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:	06/03/25
Project:	South River WM Replacement	Date Received:	06/03/25
Client Sample ID:	PIBLK-PP072557.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PP072557.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
PP072557.D	1		06/03/25	PP060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.2		60 - 140	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.2		60 - 140	101%	SPK: 20

Comments:

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E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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M = MS/MSD acceptance criteria did not meet requirements

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

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:	06/03/25
Project:	South River WM Replacement	Date Received:	06/03/25
Client Sample ID:	PIBLK-PP072572.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PP072572.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
PP072572.D	1		06/03/25	pp060325

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	18.9		60 - 140	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.7		60 - 140	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

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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-PP072587.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PP072587.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
PP072587.D	1		06/03/25	pp060325

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	18.6		60 - 140	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.5		60 - 140	98%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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P = Indicates >25% difference for detected concentrations between the two GC columns
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/04/25
Project:	South River WM Replacement	Date Received:	06/04/25
Client Sample ID:	PIBLK-PP072608.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PP072608.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
PP072608.D	1		06/04/25	PP060425

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	16.9		60 - 140	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.2		60 - 140	91%	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
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() = 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-PP072623.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PP072623.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
PP072623.D	1		06/04/25	PP060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.3		60 - 140	87%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.9		60 - 140	94%	SPK: 20

Comments:

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MDL = Method Detection Limit
LOD = Limit of Detection
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Q = indicates LCS control criteria did not meet requirements
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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168252BS	SDG No.:	Q2176
Lab Sample ID:	PB168252BS	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
PP072614.D	1	06/03/25 09:30	06/04/25 11:37	PB168252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	153		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	157		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.0		32 - 144	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.5		32 - 175	117%	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
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-28MS	SDG No.:	Q2176
Lab Sample ID:	Q2176-05MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	90.5 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072574.D	1	06/03/25 09:30	06/03/25 18:53	PB168252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	168		4.40	18.8	ug/kg
11104-28-2	Aroclor-1221	4.50	U	4.50	18.8	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	18.8	ug/kg
53469-21-9	Aroclor-1242	4.40	U	4.40	18.8	ug/kg
12672-29-6	Aroclor-1248	6.50	U	6.50	18.8	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	18.8	ug/kg
37324-23-5	Aroclor-1262	5.50	U	5.50	18.8	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	18.8	ug/kg
11096-82-5	Aroclor-1260	161		3.60	18.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.3		32 - 144	112%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.2		32 - 175	111%	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
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-28MSD	SDG No.:	Q2176
Lab Sample ID:	Q2176-05MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	90.5 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
PP072575.D	1	06/03/25 09:30	06/03/25 19:10	PB168252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	142		4.40	18.8	ug/kg
11104-28-2	Aroclor-1221	4.40	U	4.40	18.8	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	18.8	ug/kg
53469-21-9	Aroclor-1242	4.40	U	4.40	18.8	ug/kg
12672-29-6	Aroclor-1248	6.50	U	6.50	18.8	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	18.8	ug/kg
37324-23-5	Aroclor-1262	5.50	U	5.50	18.8	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	18.8	ug/kg
11096-82-5	Aroclor-1260	139		3.60	18.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.6		32 - 144	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.3		32 - 175	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
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CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Instrument ID: ECD_O **Calibration Date(s):** 05/14/2025 05/15/2025

Calibration Times: 17:19 01:31

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

LAB FILE ID: RT 1000 = PO111058.D RT 750 = PO111059.D

RT 500 = PO111060.D RT 250 = PO111061.D RT 050 = PO111062.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Aroclor-1016-2	(2)	4.79	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Aroclor-1016-3	(3)	4.85	4.85	4.85	4.85	4.85	4.85	4.75	4.95
Aroclor-1016-4	(4)	4.97	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Aroclor-1016-5	(5)	5.23	5.23	5.23	5.23	5.23	5.23	5.13	5.33
Aroclor-1260-1	(1)	6.27	6.27	6.27	6.27	6.27	6.27	6.17	6.37
Aroclor-1260-2	(2)	6.46	6.46	6.46	6.46	6.45	6.46	6.36	6.56
Aroclor-1260-3	(3)	6.82	6.82	6.82	6.82	6.82	6.82	6.72	6.92
Aroclor-1260-4	(4)	7.08	7.08	7.08	7.08	7.08	7.08	6.98	7.18
Aroclor-1260-5	(5)	7.33	7.33	7.33	7.32	7.32	7.33	7.23	7.43
Decachlorobiphenyl		8.73	8.73	8.72	8.72	8.72	8.72	8.62	8.82
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1242-1	(1)	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Aroclor-1242-2	(2)	4.79	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Aroclor-1242-3	(3)	4.85	4.85	4.85	4.85	4.85	4.85	4.75	4.95
Aroclor-1242-4	(4)	4.97	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Aroclor-1242-5	(5)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Decachlorobiphenyl		8.72	8.72	8.73	8.72	8.72	8.72	8.62	8.82
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1248-1	(1)	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Aroclor-1248-2	(2)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1248-3	(3)	5.23	5.23	5.23	5.22	5.23	5.23	5.13	5.33
Aroclor-1248-4	(4)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Aroclor-1248-5	(5)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Decachlorobiphenyl		8.72	8.72	8.72	8.72	8.72	8.72	8.62	8.82
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1254-1	(1)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Aroclor-1254-2	(2)	5.73	5.73	5.73	5.73	5.73	5.73	5.63	5.83
Aroclor-1254-3	(3)	6.13	6.13	6.13	6.13	6.13	6.13	6.03	6.23
Aroclor-1254-4	(4)	6.36	6.36	6.36	6.36	6.36	6.36	6.26	6.46
Aroclor-1254-5	(5)	6.78	6.78	6.78	6.78	6.78	6.78	6.68	6.88
Decachlorobiphenyl		8.73	8.73	8.72	8.72	8.72	8.72	8.62	8.82
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1268-1	(1)	7.61	7.61	7.61	7.61	7.61	7.61	7.51	7.71
Aroclor-1268-2	(2)	7.67	7.67	7.67	7.67	7.67	7.67	7.57	7.77
Aroclor-1268-3	(3)	7.88	7.88	7.88	7.88	7.88	7.88	7.78	7.98
Aroclor-1268-4	(4)	8.17	8.17	8.17	8.17	8.17	8.17	8.07	8.27
Aroclor-1268-5	(5)	8.46	8.47	8.47	8.46	8.46	8.46	8.36	8.56

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.72	8.72	8.73	8.72	8.72	8.72	8.62	8.82
Tetrachloro-m-xylene	3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Instrument ID: ECD_O **Calibration Date(s):** 05/14/2025 05/15/2025

Calibration Times: 17:19 01:31

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

LAB FILE ID: RT 1000 = PO111058.D RT 750 = PO111059.D

RT 500 = PO111060.D RT 250 = PO111061.D RT 050 = PO111062.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1016-2	(2)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1016-3	(3)	4.95	4.95	4.95	4.95	4.95	4.95	4.85	5.05
Aroclor-1016-4	(4)	5.00	5.00	4.99	4.99	5.00	5.00	4.90	5.10
Aroclor-1016-5	(5)	5.21	5.21	5.21	5.21	5.21	5.21	5.11	5.31
Aroclor-1260-1	(1)	6.24	6.24	6.24	6.24	6.24	6.24	6.14	6.34
Aroclor-1260-2	(2)	6.43	6.43	6.43	6.43	6.43	6.43	6.33	6.53
Aroclor-1260-3	(3)	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Aroclor-1260-4	(4)	7.05	7.05	7.05	7.05	7.05	7.05	6.95	7.15
Aroclor-1260-5	(5)	7.29	7.29	7.29	7.29	7.29	7.29	7.19	7.39
Decachlorobiphenyl		8.67	8.67	8.67	8.68	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1242-1	(1)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1242-2	(2)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1242-3	(3)	4.95	4.95	4.95	4.95	4.95	4.95	4.85	5.05
Aroclor-1242-4	(4)	5.04	5.04	5.04	5.04	5.04	5.04	4.94	5.14
Aroclor-1242-5	(5)	5.56	5.56	5.56	5.56	5.56	5.56	5.46	5.66
Decachlorobiphenyl		8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1248-1	(1)	4.76	4.76	4.76	4.77	4.76	4.76	4.66	4.86
Aroclor-1248-2	(2)	5.00	5.00	5.00	5.01	5.00	5.00	4.90	5.10
Aroclor-1248-3	(3)	5.04	5.04	5.04	5.05	5.04	5.04	4.94	5.14
Aroclor-1248-4	(4)	5.21	5.21	5.21	5.22	5.21	5.21	5.11	5.31
Aroclor-1248-5	(5)	5.60	5.60	5.60	5.61	5.60	5.60	5.50	5.70
Decachlorobiphenyl		8.67	8.67	8.68	8.69	8.67	8.68	8.58	8.78
Tetrachloro-m-xylene		3.68	3.68	3.68	3.69	3.68	3.68	3.58	3.78
Aroclor-1254-1	(1)	5.56	5.56	5.56	5.56	5.56	5.56	5.46	5.66
Aroclor-1254-2	(2)	5.71	5.71	5.71	5.71	5.71	5.71	5.61	5.81
Aroclor-1254-3	(3)	6.11	6.11	6.11	6.11	6.11	6.11	6.01	6.21
Aroclor-1254-4	(4)	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Aroclor-1254-5	(5)	6.75	6.75	6.75	6.75	6.75	6.75	6.65	6.85
Decachlorobiphenyl		8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1268-1	(1)	7.57	7.57	7.57	7.57	7.57	7.57	7.47	7.67
Aroclor-1268-2	(2)	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
Aroclor-1268-3	(3)	7.84	7.84	7.84	7.84	7.84	7.84	7.74	7.94
Aroclor-1268-4	(4)	8.13	8.13	8.13	8.13	8.13	8.13	8.03	8.23
Aroclor-1268-5	(5)	8.42	8.42	8.42	8.42	8.42	8.42	8.32	8.52

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene	3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Instrument ID: ECD_O **Calibration Date(s):** 05/14/2025 05/15/2025

Calibration Times: 17:19 01:31

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

LAB FILE ID: CF 1000 = PO111058.D CF 750 = PO111059.D

CF 500 = PO111060.D CF 250 = PO111061.D CF 050 = PO111062.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	205952128	213833112	226414102	241684928	237394280	225055710	7
Aroclor-1016-2	(2)	293931044	310127113	321220528	340419712	328971000	318933879	6
Aroclor-1016-3	(3)	200116672	210641735	220217832	233629012	221015000	217124050	6
Aroclor-1016-4	(4)	160298181	168708089	176290662	187854588	177589060	174148116	6
Aroclor-1016-5	(5)	161898024	175820952	178167232	187226608	176844020	175991367	5
Aroclor-1260-1	(1)	277561674	293756041	305741896	331877740	315901980	304967866	7
Aroclor-1260-2	(2)	349775279	367746601	383860622	411536992	401831460	382950191	7
Aroclor-1260-3	(3)	317018248	333963835	348833732	373392584	369733400	348588360	7
Aroclor-1260-4	(4)	251785051	267674384	282392668	305806136	292149520	279961552	8
Aroclor-1260-5	(5)	680936092	706872008	727490352	760116820	724090440	719901142	4
Decachlorobiphenyl		4789049460	4988917347	5187039280	5515117840	5334237200	5162872225	6
Tetrachloro-m-xylene		5665666390	5873534533	6010307880	6167763840	5698750600	5883204649	4
Aroclor-1242-1	(1)	176697919	185695675	196416184	207079416	190109540	191199747	6
Aroclor-1242-2	(2)	257720398	267748761	279433570	293144628	262025820	272014635	5
Aroclor-1242-3	(3)	175187474	182923969	192610042	201232700	177980140	185986865	6
Aroclor-1242-4	(4)	140203851	146287348	153093646	159943472	139472860	147800235	6
Aroclor-1242-5	(5)	145186142	152022244	159321518	169027516	152152160	155541916	6
Decachlorobiphenyl		4774382260	4985278507	5225823760	5476782920	5013508400	5095155169	5
Tetrachloro-m-xylene		5680960800	5831614707	6040672820	6174416800	5348804000	5815293825	6
Aroclor-1248-1	(1)	138162515	145942143	153069466	163443424	165211980	153165906	8
Aroclor-1248-2	(2)	182760569	190399631	201027290	214399212	214001160	200517572	7
Aroclor-1248-3	(3)	227450486	238283761	250971210	267719672	295599780	256004982	10
Aroclor-1248-4	(4)	324783137	336810133	356284496	381846900	411181480	362181229	10
Aroclor-1248-5	(5)	233936098	243272008	257408728	275769428	299891040	262055460	10
Decachlorobiphenyl		4861959910	5031694707	5278313240	5604075320	5730172600	5301243155	7
Tetrachloro-m-xylene		5864549650	6045437613	6209272300	6477502560	6275643200	6174481065	4
Aroclor-1254-1	(1)	338668376	359337472	379562628	402119132	418187300	379574982	8
Aroclor-1254-2	(2)	291859728	310115756	327944084	347727744	356229960	326775454	8
Aroclor-1254-3	(3)	475332844	499809000	523764968	549245752	582561520	526142817	8
Aroclor-1254-4	(4)	302105681	318736953	335883014	351987900	371678540	336078418	8
Aroclor-1254-5	(5)	429218631	452008725	475302254	500931908	514812140	474454732	7
Decachlorobiphenyl		4923933440	5141137400	5443620080	5700682920	5862774600	5414429688	7
Tetrachloro-m-xylene		5948877150	6190104627	6408412200	6583454240	6338928400	6293955323	4
Aroclor-1268-1	(1)	930869745	936595251	978341018	1015935428	986319920	969612272	4

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	856384474	860524951	901691384	934576100	909379560	892511294	4
Aroclor-1268-3	(3)	718671507	725558572	764699306	799960100	785246420	758827181	5
Aroclor-1268-4	(4)	311213814	313193287	331181486	347305704	329997080	326578274	5
Aroclor-1268-5	(5)	2117705977	2107339941	2194587578	2235031552	2137458100	2158424630	3
Decachlorobiphenyl		8888535700	9012836760	9503909100	9956674120	9729229000	9418236936	5
Tetrachloro-m-xylene		6171599970	6168104493	6441282720	6673989440	6170217200	6325038765	4

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Instrument ID: ECD_O **Calibration Date(s):** 05/14/2025 05/15/2025

Calibration Times: 17:19 01:31

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

LAB FILE ID: **CF 1000 =** PO111058.D **CF 750 =** PO111059.D

CF 500 = PO111060.D **CF 250 =** PO111061.D **CF 050 =** PO111062.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	175951340	184131151	190391494	201135208	203027340	190927307	6
Aroclor-1016-2	(2)	259304006	268965180	279695444	293662868	283996940	277124888	5
Aroclor-1016-3	(3)	136562816	142759844	148101780	155422472	147528240	146075030	5
Aroclor-1016-4	(4)	108537077	112835540	120886250	129636068	128548860	120088759	8
Aroclor-1016-5	(5)	141286439	151385859	154206636	161907480	163215520	154400387	6
Aroclor-1260-1	(1)	230380518	239225432	248869338	264781264	266186040	249888518	6
Aroclor-1260-2	(2)	272772980	284661173	294194664	310691584	309118120	294287704	5
Aroclor-1260-3	(3)	260160385	271476124	281551496	303268832	317136960	286718759	8
Aroclor-1260-4	(4)	184546577	192670083	200645580	215256196	210698140	200763315	6
Aroclor-1260-5	(5)	441090120	451615468	461646416	479352764	464333260	459607606	3
Decachlorobiphenyl		1699216120	1787921307	1869222220	1982547480	1911821600	1850145745	6
Tetrachloro-m-xylene		5406429520	5548905467	5601909540	5641328400	5058606000	5451435785	4
Aroclor-1242-1	(1)	150759764	157292616	165241112	172974524	159265900	161106783	5
Aroclor-1242-2	(2)	223621907	231686419	240612100	250441092	226668900	234606084	5
Aroclor-1242-3	(3)	118098683	122379071	128101210	133446692	116067680	123618667	6
Aroclor-1242-4	(4)	114724574	119985329	127001834	134027396	122337120	123615251	6
Aroclor-1242-5	(5)	142391198	148226844	155505330	163277824	150532140	151986667	5
Decachlorobiphenyl		1649752350	1732528187	1806674400	1933059040	1771454800	1778693755	6
Tetrachloro-m-xylene		5396035140	5504454880	5603860600	5606837360	4728358600	5367909316	7
Aroclor-1248-1	(1)	116677575	122377953	128716756	138512244	142355880	129728082	8
Aroclor-1248-2	(2)	159784658	166591041	175162942	187618608	190301260	175891702	7
Aroclor-1248-3	(3)	169685896	176680541	185649606	199757956	206297360	187614272	8
Aroclor-1248-4	(4)	198935902	206440528	216987222	226820008	250016460	219840024	9
Aroclor-1248-5	(5)	198293592	205844156	215149564	228236984	244101860	218325231	8
Decachlorobiphenyl		1675757640	1739961147	1894631500	1998157320	2119618200	1885625161	10
Tetrachloro-m-xylene		5392118780	5499156400	5577007680	5634478280	5189850400	5458522308	3
Aroclor-1254-1	(1)	294845056	308276565	323607480	339068536	354395480	324038623	7
Aroclor-1254-2	(2)	254192198	266619067	281454614	297953104	316004460	283244689	9
Aroclor-1254-3	(3)	400479051	415178477	433542960	448248844	459811580	431452182	6
Aroclor-1254-4	(4)	228881544	238106540	250287146	259634416	259809520	247343833	6
Aroclor-1254-5	(5)	318351803	329524227	344594700	358702264	378528780	345940355	7
Decachlorobiphenyl		1730307610	1804634267	1900572880	2018627520	2049052800	1900639015	7
Tetrachloro-m-xylene		5453750800	5591916973	5732062480	5726435600	5385705600	5577974291	3
Aroclor-1268-1	(1)	505658591	508360996	529570342	550274560	556601860	530093270	4

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	460495321	464888113	483851588	503248308	499197120	482336090	4
Aroclor-1268-3	(3)	328655790	333834055	349506788	366413796	363835440	348449174	5
Aroclor-1268-4	(4)	119697414	122740856	130580600	138639360	124687920	127269230	6
Aroclor-1268-5	(5)	727936615	731233425	757715258	780322444	766884820	752818512	3
Decachlorobiphenyl		3022618140	3077226480	3258756880	3437439920	3301382200	3219484724	5
Tetrachloro-m-xylene		5636439670	5594566640	5754942040	5800136080	5153076200	5587832126	5

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Instrument ID: ECD_O **Date(s) Analyzed:** 05/14/2025 05/15/2025

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	3.90	3.80	4.00	87106400
		2	3.98	3.88	4.08	63703800
		3	4.06	3.96	4.16	192327000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.06	3.96	4.16	153174000
		2	4.55	4.45	4.65	81946400
		3	4.79	4.69	4.89	152927000
		4	4.97	4.87	5.07	82251400
		5	5.01	4.91	5.11	54259200
Aroclor-1262	500	1	6.82	6.72	6.92	486664000
		2	7.33	7.23	7.43	808494000
		3	7.61	7.51	7.71	338264000
		4	7.67	7.57	7.77	590414000
		5	8.17	8.07	8.27	285216000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Instrument ID: ECD_O **Date(s) Analyzed:** 05/14/2025 05/15/2025

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	3.89	3.79	3.99	73843000
		2	3.98	3.88	4.08	54414200
		3	4.05	3.95	4.15	167101000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.05	3.95	4.15	130595000
		2	4.78	4.68	4.88	131160000
		3	4.95	4.85	5.05	68071600
		4	5.04	4.94	5.14	61676400
		5	5.21	5.11	5.31	65732600
Aroclor-1262	500	1	6.79	6.69	6.89	340780000
		2	7.29	7.19	7.39	502862000
		3	7.57	7.47	7.67	187635000
		4	7.64	7.54	7.74	330230000
		5	8.13	8.03	8.23	112306000

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/04/2025 **Initial Calibration Date(s):** 05/14/2025 05/15/2025

Continuing Calib Time: 08:57 **Initial Calibration Time(s):** 17:19 01:31

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)	4.77	4.77	4.67	4.87	0.00
Aroclor-1016-2	(2)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-3	(3)	4.84	4.85	4.75	4.95	0.01
Aroclor-1016-4	(4)	4.96	4.97	4.87	5.07	0.01
Aroclor-1016-5	(5)	5.22	5.23	5.13	5.33	0.01
Aroclor-1260-1	(1)	6.26	6.27	6.17	6.37	0.01
Aroclor-1260-2	(2)	6.45	6.46	6.36	6.56	0.01
Aroclor-1260-3	(3)	6.82	6.82	6.72	6.92	0.00
Aroclor-1260-4	(4)	7.08	7.08	6.98	7.18	0.00
Aroclor-1260-5	(5)	7.32	7.33	7.23	7.43	0.01
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.72	8.72	8.62	8.82	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/04/2025 **Initial Calibration Date(s):** 05/14/2025 05/15/2025

Continuing Calib Time: 08:57 **Initial Calibration Time(s):** 17:19 01:31

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.75	4.76	4.66	4.86	0.01
Aroclor-1016-2	(2)	4.77	4.78	4.68	4.88	0.01
Aroclor-1016-3	(3)	4.95	4.95	4.85	5.05	0.00
Aroclor-1016-4	(4)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-5	(5)	5.20	5.21	5.11	5.31	0.01
Aroclor-1260-1	(1)	6.23	6.24	6.14	6.34	0.01
Aroclor-1260-2	(2)	6.42	6.43	6.33	6.53	0.01
Aroclor-1260-3	(3)	6.57	6.58	6.48	6.68	0.01
Aroclor-1260-4	(4)	7.04	7.05	6.95	7.15	0.01
Aroclor-1260-5	(5)	7.28	7.29	7.19	7.39	0.01
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.67	8.67	8.57	8.77	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/14/2025 05/14/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/04/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111453.D **Time Analyzed:** 08:57

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.768	4.673	4.873	543.320	500.000	8.7
Aroclor-1016-2	4.787	4.692	4.892	544.470	500.000	8.9
Aroclor-1016-3	4.844	4.749	4.949	560.720	500.000	12.1
Aroclor-1016-4	4.964	4.869	5.069	549.990	500.000	10.0
Aroclor-1016-5	5.220	5.126	5.326	525.450	500.000	5.1
Aroclor-1260-1	6.259	6.166	6.366	552.270	500.000	10.5
Aroclor-1260-2	6.449	6.355	6.555	576.950	500.000	15.4
Aroclor-1260-3	6.816	6.722	6.922	569.720	500.000	13.9
Aroclor-1260-4	7.076	6.983	7.183	529.440	500.000	5.9
Aroclor-1260-5	7.319	7.225	7.425	525.340	500.000	5.1
Decachlorobiphenyl	8.716	8.624	8.824	47.630	50.000	-4.7
Tetrachloro-m-xylene	3.679	3.582	3.782	52.690	50.000	5.4

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/14/2025 05/14/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/04/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111453.D **Time Analyzed:** 08:57

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.754	4.658	4.858	484.590	500.000	-3.1
Aroclor-1016-2	4.772	4.677	4.877	492.050	500.000	-1.6
Aroclor-1016-3	4.947	4.852	5.052	485.980	500.000	-2.8
Aroclor-1016-4	4.989	4.894	5.094	486.580	500.000	-2.7
Aroclor-1016-5	5.202	5.107	5.307	481.390	500.000	-3.7
Aroclor-1260-1	6.232	6.138	6.338	486.550	500.000	-2.7
Aroclor-1260-2	6.420	6.326	6.526	481.620	500.000	-3.7
Aroclor-1260-3	6.572	6.479	6.679	448.480	500.000	-10.3
Aroclor-1260-4	7.042	6.949	7.149	463.240	500.000	-7.4
Aroclor-1260-5	7.283	7.191	7.391	448.590	500.000	-10.3
Decachlorobiphenyl	8.665	8.574	8.774	44.820	50.000	-10.4
Tetrachloro-m-xylene	3.676	3.579	3.779	51.190	50.000	2.4

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/04/2025 **Initial Calibration Date(s):** 05/14/2025 05/15/2025

Continuing Calib Time: 15:23 **Initial Calibration Time(s):** 17:19 01:31

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)	4.77	4.77	4.67	4.87	0.00
Aroclor-1016-2	(2)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-3	(3)	4.84	4.85	4.75	4.95	0.01
Aroclor-1016-4	(4)	4.96	4.97	4.87	5.07	0.01
Aroclor-1016-5	(5)	5.22	5.23	5.13	5.33	0.01
Aroclor-1260-1	(1)	6.26	6.27	6.17	6.37	0.01
Aroclor-1260-2	(2)	6.45	6.46	6.36	6.56	0.01
Aroclor-1260-3	(3)	6.82	6.82	6.72	6.92	0.00
Aroclor-1260-4	(4)	7.08	7.08	6.98	7.18	0.00
Aroclor-1260-5	(5)	7.32	7.33	7.23	7.43	0.01
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.72	8.72	8.62	8.82	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/04/2025 **Initial Calibration Date(s):** 05/14/2025 05/15/2025

Continuing Calib Time: 15:23 **Initial Calibration Time(s):** 17:19 01:31

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.75	4.76	4.66	4.86	0.01
Aroclor-1016-2	(2)	4.77	4.78	4.68	4.88	0.01
Aroclor-1016-3	(3)	4.95	4.95	4.85	5.05	0.00
Aroclor-1016-4	(4)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-5	(5)	5.20	5.21	5.11	5.31	0.01
Aroclor-1260-1	(1)	6.23	6.24	6.14	6.34	0.01
Aroclor-1260-2	(2)	6.42	6.43	6.33	6.53	0.01
Aroclor-1260-3	(3)	6.57	6.58	6.48	6.68	0.01
Aroclor-1260-4	(4)	7.04	7.05	6.95	7.15	0.01
Aroclor-1260-5	(5)	7.28	7.29	7.19	7.39	0.01
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.01
Decachlorobiphenyl		8.67	8.67	8.57	8.77	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/14/2025 05/14/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/04/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111468.D **Time Analyzed:** 15:23

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.768	4.673	4.873	523.360	500.000	4.7
Aroclor-1016-2	4.786	4.692	4.892	535.210	500.000	7.0
Aroclor-1016-3	4.843	4.749	4.949	546.050	500.000	9.2
Aroclor-1016-4	4.964	4.869	5.069	538.370	500.000	7.7
Aroclor-1016-5	5.221	5.126	5.326	540.470	500.000	8.1
Aroclor-1260-1	6.260	6.166	6.366	544.420	500.000	8.9
Aroclor-1260-2	6.449	6.355	6.555	563.730	500.000	12.7
Aroclor-1260-3	6.816	6.722	6.922	555.280	500.000	11.1
Aroclor-1260-4	7.076	6.983	7.183	519.810	500.000	4.0
Aroclor-1260-5	7.318	7.225	7.425	519.560	500.000	3.9
Decachlorobiphenyl	8.715	8.624	8.824	47.370	50.000	-5.3
Tetrachloro-m-xylene	3.679	3.582	3.782	51.580	50.000	3.2

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/14/2025 05/14/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/04/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111468.D **Time Analyzed:** 15:23

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.753	4.658	4.858	490.320	500.000	-1.9
Aroclor-1016-2	4.772	4.677	4.877	491.420	500.000	-1.7
Aroclor-1016-3	4.947	4.852	5.052	487.880	500.000	-2.4
Aroclor-1016-4	4.990	4.894	5.094	482.620	500.000	-3.5
Aroclor-1016-5	5.202	5.107	5.307	500.070	500.000	0.0
Aroclor-1260-1	6.232	6.138	6.338	486.300	500.000	-2.7
Aroclor-1260-2	6.420	6.326	6.526	482.110	500.000	-3.6
Aroclor-1260-3	6.572	6.479	6.679	449.800	500.000	-10.0
Aroclor-1260-4	7.042	6.949	7.149	460.990	500.000	-7.8
Aroclor-1260-5	7.284	7.191	7.391	448.300	500.000	-10.3
Decachlorobiphenyl	8.665	8.574	8.774	44.590	50.000	-10.8
Tetrachloro-m-xylene	3.675	3.579	3.779	51.160	50.000	2.3

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 10:22 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.65	5.65	5.55	5.75	0.00
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-3	(3)	5.73	5.74	5.64	5.84	0.01
Aroclor-1016-4	(4)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-5	(5)	6.12	6.13	6.03	6.23	0.01
Aroclor-1260-1	(1)	7.24	7.25	7.15	7.35	0.01
Aroclor-1260-2	(2)	7.49	7.50	7.40	7.60	0.01
Aroclor-1260-3	(3)	7.85	7.86	7.76	7.96	0.01
Aroclor-1260-4	(4)	8.07	8.09	7.99	8.19	0.02
Aroclor-1260-5	(5)	8.39	8.40	8.30	8.50	0.01
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.01
Decachlorobiphenyl		10.20	10.21	10.11	10.31	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 10:22 **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)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-2	(2)	4.89	4.90	4.80	5.00	0.01
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	0.01
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)	7.41	7.42	7.32	7.52	0.01
Tetrachloro-m-xylene		3.79	3.79	3.69	3.89	0.00
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL03 **Date Analyzed:** 06/03/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072553.D **Time Analyzed:** 10:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.647	5.552	5.752	428.340	500.000	-14.3
Aroclor-1016-2	5.669	5.574	5.774	464.800	500.000	-7.0
Aroclor-1016-3	5.731	5.636	5.836	458.790	500.000	-8.2
Aroclor-1016-4	5.829	5.734	5.934	479.670	500.000	-4.1
Aroclor-1016-5	6.121	6.027	6.227	471.030	500.000	-5.8
Aroclor-1260-1	7.239	7.147	7.347	488.880	500.000	-2.2
Aroclor-1260-2	7.492	7.401	7.601	466.630	500.000	-6.7
Aroclor-1260-3	7.850	7.760	7.960	483.300	500.000	-3.3
Aroclor-1260-4	8.074	7.985	8.185	483.820	500.000	-3.2
Aroclor-1260-5	8.393	8.303	8.503	496.840	500.000	-0.6
Decachlorobiphenyl	10.195	10.113	10.313	50.460	50.000	0.9
Tetrachloro-m-xylene	4.495	4.396	4.596	48.810	50.000	-2.4

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL03 **Date Analyzed:** 06/03/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072553.D **Time Analyzed:** 10:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.874	4.777	4.977	488.160	500.000	-2.4
Aroclor-1016-2	4.892	4.795	4.995	494.600	500.000	-1.1
Aroclor-1016-3	5.069	4.973	5.173	501.810	500.000	0.4
Aroclor-1016-4	5.111	5.015	5.215	504.360	500.000	0.9
Aroclor-1016-5	5.325	5.229	5.429	546.340	500.000	9.3
Aroclor-1260-1	6.357	6.264	6.464	520.360	500.000	4.1
Aroclor-1260-2	6.545	6.453	6.653	487.870	500.000	-2.4
Aroclor-1260-3	6.697	6.606	6.806	509.120	500.000	1.8
Aroclor-1260-4	7.168	7.077	7.277	511.170	500.000	2.2
Aroclor-1260-5	7.410	7.319	7.519	513.820	500.000	2.8
Decachlorobiphenyl	8.808	8.723	8.923	55.840	50.000	11.7
Tetrachloro-m-xylene	3.793	3.691	3.891	50.620	50.000	1.2

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 16:59 **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)	5.65	5.65	5.55	5.75	0.00
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-3	(3)	5.74	5.74	5.64	5.84	0.00
Aroclor-1016-4	(4)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-5	(5)	6.13	6.13	6.03	6.23	0.00
Aroclor-1260-1	(1)	7.24	7.25	7.15	7.35	0.01
Aroclor-1260-2	(2)	7.50	7.50	7.40	7.60	0.00
Aroclor-1260-3	(3)	7.85	7.86	7.76	7.96	0.01
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		10.20	10.21	10.11	10.31	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 16:59 **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)	4.89	4.90	4.80	5.00	0.01
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)	7.41	7.42	7.32	7.52	0.01
Tetrachloro-m-xylene		3.80	3.79	3.69	3.89	-0.01
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL04 **Date Analyzed:** 06/03/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072568.D **Time Analyzed:** 16:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.651	5.552	5.752	411.650	500.000	-17.7
Aroclor-1016-2	5.673	5.574	5.774	442.770	500.000	-11.4
Aroclor-1016-3	5.735	5.636	5.836	452.700	500.000	-9.5
Aroclor-1016-4	5.833	5.734	5.934	463.680	500.000	-7.3
Aroclor-1016-5	6.125	6.027	6.227	443.990	500.000	-11.2
Aroclor-1260-1	7.243	7.147	7.347	452.460	500.000	-9.5
Aroclor-1260-2	7.496	7.401	7.601	432.800	500.000	-13.4
Aroclor-1260-3	7.854	7.760	7.960	445.150	500.000	-11.0
Aroclor-1260-4	8.079	7.985	8.185	435.990	500.000	-12.8
Aroclor-1260-5	8.397	8.303	8.503	461.230	500.000	-7.8
Decachlorobiphenyl	10.199	10.113	10.313	47.320	50.000	-5.4
Tetrachloro-m-xylene	4.500	4.396	4.596	46.500	50.000	-7.0

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL04 **Date Analyzed:** 06/03/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072568.D **Time Analyzed:** 16:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.877	4.777	4.977	486.360	500.000	-2.7
Aroclor-1016-2	4.894	4.795	4.995	495.400	500.000	-0.9
Aroclor-1016-3	5.071	4.973	5.173	493.020	500.000	-1.4
Aroclor-1016-4	5.113	5.015	5.215	489.380	500.000	-2.1
Aroclor-1016-5	5.327	5.229	5.429	537.380	500.000	7.5
Aroclor-1260-1	6.358	6.264	6.464	503.150	500.000	0.6
Aroclor-1260-2	6.547	6.453	6.653	478.760	500.000	-4.2
Aroclor-1260-3	6.699	6.606	6.806	492.400	500.000	-1.5
Aroclor-1260-4	7.169	7.077	7.277	481.460	500.000	-3.7
Aroclor-1260-5	7.412	7.319	7.519	488.860	500.000	-2.2
Decachlorobiphenyl	8.810	8.723	8.923	53.130	50.000	6.3
Tetrachloro-m-xylene	3.795	3.691	3.891	50.510	50.000	1.0

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 22:25 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.65	5.65	5.55	5.75	0.00
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-3	(3)	5.73	5.74	5.64	5.84	0.01
Aroclor-1016-4	(4)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-5	(5)	6.12	6.13	6.03	6.23	0.01
Aroclor-1260-1	(1)	7.24	7.25	7.15	7.35	0.01
Aroclor-1260-2	(2)	7.50	7.50	7.40	7.60	0.01
Aroclor-1260-3	(3)	7.85	7.86	7.76	7.96	0.01
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		10.20	10.21	10.11	10.31	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 22:25 **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)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-2	(2)	4.89	4.90	4.80	5.00	0.01
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	0.01
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)	7.41	7.42	7.32	7.52	0.01
Tetrachloro-m-xylene		3.79	3.79	3.69	3.89	0.00
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL05 **Date Analyzed:** 06/03/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072583.D **Time Analyzed:** 22:25

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.650	5.552	5.752	414.970	500.000	-17.0
Aroclor-1016-2	5.672	5.574	5.774	445.260	500.000	-10.9
Aroclor-1016-3	5.734	5.636	5.836	446.030	500.000	-10.8
Aroclor-1016-4	5.832	5.734	5.934	459.390	500.000	-8.1
Aroclor-1016-5	6.124	6.027	6.227	450.950	500.000	-9.8
Aroclor-1260-1	7.242	7.147	7.347	467.980	500.000	-6.4
Aroclor-1260-2	7.495	7.401	7.601	442.440	500.000	-11.5
Aroclor-1260-3	7.853	7.760	7.960	445.300	500.000	-10.9
Aroclor-1260-4	8.076	7.985	8.185	438.500	500.000	-12.3
Aroclor-1260-5	8.395	8.303	8.503	458.750	500.000	-8.3
Decachlorobiphenyl	10.196	10.113	10.313	47.150	50.000	-5.7
Tetrachloro-m-xylene	4.499	4.396	4.596	46.390	50.000	-7.2

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL05 **Date Analyzed:** 06/03/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072583.D **Time Analyzed:** 22:25

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.874	4.777	4.977	491.730	500.000	-1.7
Aroclor-1016-2	4.892	4.795	4.995	501.620	500.000	0.3
Aroclor-1016-3	5.069	4.973	5.173	504.520	500.000	0.9
Aroclor-1016-4	5.111	5.015	5.215	495.960	500.000	-0.8
Aroclor-1016-5	5.325	5.229	5.429	570.870	500.000	14.2
Aroclor-1260-1	6.356	6.264	6.464	507.750	500.000	1.6
Aroclor-1260-2	6.545	6.453	6.653	474.610	500.000	-5.1
Aroclor-1260-3	6.697	6.606	6.806	489.600	500.000	-2.1
Aroclor-1260-4	7.167	7.077	7.277	507.640	500.000	1.5
Aroclor-1260-5	7.409	7.319	7.519	505.520	500.000	1.1
Decachlorobiphenyl	8.807	8.723	8.923	51.690	50.000	3.4
Tetrachloro-m-xylene	3.794	3.691	3.891	48.730	50.000	-2.5

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/04/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 08:50 **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)	5.65	5.65	5.55	5.75	0.00
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-3	(3)	5.73	5.74	5.64	5.84	0.01
Aroclor-1016-4	(4)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-5	(5)	6.12	6.13	6.03	6.23	0.01
Aroclor-1260-1	(1)	7.24	7.25	7.15	7.35	0.01
Aroclor-1260-2	(2)	7.49	7.50	7.40	7.60	0.01
Aroclor-1260-3	(3)	7.85	7.86	7.76	7.96	0.01
Aroclor-1260-4	(4)	8.07	8.09	7.99	8.19	0.02
Aroclor-1260-5	(5)	8.39	8.40	8.30	8.50	0.01
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.19	10.21	10.11	10.31	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/04/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 08:50 **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)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-2	(2)	4.89	4.90	4.80	5.00	0.01
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)	5.32	5.33	5.23	5.43	0.01
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.54	6.55	6.45	6.65	0.01
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)	7.41	7.42	7.32	7.52	0.01
Tetrachloro-m-xylene		3.79	3.79	3.69	3.89	0.00
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL06 **Date Analyzed:** 06/04/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072604.D **Time Analyzed:** 08:50

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.648	5.552	5.752	415.340	500.000	-16.9
Aroclor-1016-2	5.669	5.574	5.774	441.250	500.000	-11.8
Aroclor-1016-3	5.732	5.636	5.836	441.300	500.000	-11.7
Aroclor-1016-4	5.828	5.734	5.934	456.060	500.000	-8.8
Aroclor-1016-5	6.120	6.027	6.227	444.840	500.000	-11.0
Aroclor-1260-1	7.239	7.147	7.347	437.310	500.000	-12.5
Aroclor-1260-2	7.492	7.401	7.601	440.050	500.000	-12.0
Aroclor-1260-3	7.850	7.760	7.960	453.880	500.000	-9.2
Aroclor-1260-4	8.074	7.985	8.185	455.700	500.000	-8.9
Aroclor-1260-5	8.393	8.303	8.503	475.780	500.000	-4.8
Decachlorobiphenyl	10.193	10.113	10.313	48.420	50.000	-3.2
Tetrachloro-m-xylene	4.496	4.396	4.596	46.020	50.000	-8.0

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL06 **Date Analyzed:** 06/04/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072604.D **Time Analyzed:** 08:50

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.874	4.777	4.977	467.590	500.000	-6.5
Aroclor-1016-2	4.893	4.795	4.995	476.230	500.000	-4.8
Aroclor-1016-3	5.069	4.973	5.173	481.410	500.000	-3.7
Aroclor-1016-4	5.111	5.015	5.215	490.810	500.000	-1.8
Aroclor-1016-5	5.324	5.229	5.429	482.150	500.000	-3.6
Aroclor-1260-1	6.356	6.264	6.464	503.880	500.000	0.8
Aroclor-1260-2	6.544	6.453	6.653	481.760	500.000	-3.6
Aroclor-1260-3	6.696	6.606	6.806	518.660	500.000	3.7
Aroclor-1260-4	7.167	7.077	7.277	515.270	500.000	3.1
Aroclor-1260-5	7.409	7.319	7.519	519.290	500.000	3.9
Decachlorobiphenyl	8.807	8.723	8.923	53.590	50.000	7.2
Tetrachloro-m-xylene	3.794	3.691	3.891	48.580	50.000	-2.8

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/04/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 14:51 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.65	5.65	5.55	5.75	0.00
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-3	(3)	5.74	5.74	5.64	5.84	0.00
Aroclor-1016-4	(4)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-5	(5)	6.13	6.13	6.03	6.23	0.00
Aroclor-1260-1	(1)	7.24	7.25	7.15	7.35	0.01
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		10.20	10.21	10.11	10.31	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/04/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 14:51 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.88	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)	7.41	7.42	7.32	7.52	0.01
Tetrachloro-m-xylene		3.80	3.79	3.69	3.89	-0.01
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL07 **Date Analyzed:** 06/04/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072619.D **Time Analyzed:** 14:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.653	5.552	5.752	408.380	500.000	-18.3
Aroclor-1016-2	5.674	5.574	5.774	446.380	500.000	-10.7
Aroclor-1016-3	5.736	5.636	5.836	438.840	500.000	-12.2
Aroclor-1016-4	5.834	5.734	5.934	447.960	500.000	-10.4
Aroclor-1016-5	6.126	6.027	6.227	453.310	500.000	-9.3
Aroclor-1260-1	7.243	7.147	7.347	454.670	500.000	-9.1
Aroclor-1260-2	7.497	7.401	7.601	456.280	500.000	-8.7
Aroclor-1260-3	7.857	7.760	7.960	575.660	500.000	15.1
Aroclor-1260-4	8.078	7.985	8.185	472.200	500.000	-5.6
Aroclor-1260-5	8.397	8.303	8.503	486.080	500.000	-2.8
Decachlorobiphenyl	10.199	10.113	10.313	50.400	50.000	0.8
Tetrachloro-m-xylene	4.501	4.396	4.596	46.060	50.000	-7.9

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL07 **Date Analyzed:** 06/04/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072619.D **Time Analyzed:** 14:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.878	4.777	4.977	478.490	500.000	-4.3
Aroclor-1016-2	4.896	4.795	4.995	490.280	500.000	-1.9
Aroclor-1016-3	5.072	4.973	5.173	492.560	500.000	-1.5
Aroclor-1016-4	5.114	5.015	5.215	499.290	500.000	-0.1
Aroclor-1016-5	5.328	5.229	5.429	516.590	500.000	3.3
Aroclor-1260-1	6.359	6.264	6.464	500.890	500.000	0.2
Aroclor-1260-2	6.548	6.453	6.653	478.230	500.000	-4.4
Aroclor-1260-3	6.700	6.606	6.806	510.370	500.000	2.1
Aroclor-1260-4	7.170	7.077	7.277	505.570	500.000	1.1
Aroclor-1260-5	7.412	7.319	7.519	505.920	500.000	1.2
Decachlorobiphenyl	8.811	8.723	8.923	53.050	50.000	6.1
Tetrachloro-m-xylene	3.797	3.691	3.891	49.150	50.000	-1.7

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q2176

Project: South River WM Replacement **Instrument ID:** ECD_O

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/14/2025 05/14/2025

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	05/14/2025	17:01	PO111057.D	8.72	3.68
AR1660ICC1000	AR1660ICC1000	05/14/2025	17:19	PO111058.D	8.73	3.68
AR1660ICC750	AR1660ICC750	05/14/2025	17:38	PO111059.D	8.73	3.68
AR1660ICC500	AR1660ICC500	05/14/2025	17:56	PO111060.D	8.72	3.68
AR1660ICC250	AR1660ICC250	05/14/2025	18:15	PO111061.D	8.72	3.68
AR1660ICC050	AR1660ICC050	05/14/2025	18:33	PO111062.D	8.72	3.68
AR1221ICC500	AR1221ICC500	05/14/2025	18:51	PO111063.D	8.72	3.68
AR1232ICC500	AR1232ICC500	05/14/2025	19:10	PO111064.D	8.72	3.68
AR1242ICC1000	AR1242ICC1000	05/14/2025	19:28	PO111065.D	8.72	3.68
AR1242ICC750	AR1242ICC750	05/14/2025	19:46	PO111066.D	8.72	3.68
AR1242ICC500	AR1242ICC500	05/14/2025	20:05	PO111067.D	8.73	3.68
AR1242ICC250	AR1242ICC250	05/14/2025	20:23	PO111068.D	8.72	3.68
AR1242ICC050	AR1242ICC050	05/14/2025	20:41	PO111069.D	8.72	3.68
AR1248ICC1000	AR1248ICC1000	05/14/2025	21:00	PO111070.D	8.72	3.68
AR1248ICC750	AR1248ICC750	05/14/2025	21:18	PO111071.D	8.72	3.68
AR1248ICC500	AR1248ICC500	05/14/2025	21:37	PO111072.D	8.72	3.68
AR1248ICC250	AR1248ICC250	05/14/2025	21:54	PO111073.D	8.72	3.68
AR1248ICC050	AR1248ICC050	05/14/2025	22:12	PO111074.D	8.72	3.68
AR1254ICC1000	AR1254ICC1000	05/14/2025	22:31	PO111075.D	8.73	3.68
AR1254ICC750	AR1254ICC750	05/14/2025	22:49	PO111076.D	8.73	3.68
AR1254ICC500	AR1254ICC500	05/14/2025	23:06	PO111077.D	8.72	3.68
AR1254ICC250	AR1254ICC250	05/14/2025	23:25	PO111078.D	8.72	3.68
AR1254ICC050	AR1254ICC050	05/14/2025	23:43	PO111079.D	8.72	3.68
AR1262ICC500	AR1262ICC500	05/15/2025	00:01	PO111080.D	8.73	3.68
AR1268ICC1000	AR1268ICC1000	05/15/2025	00:19	PO111081.D	8.72	3.68
AR1268ICC750	AR1268ICC750	05/15/2025	00:37	PO111082.D	8.72	3.68
AR1268ICC500	AR1268ICC500	05/15/2025	00:56	PO111083.D	8.73	3.68
AR1268ICC250	AR1268ICC250	05/15/2025	01:14	PO111084.D	8.72	3.68
AR1268ICC050	AR1268ICC050	05/15/2025	01:31	PO111085.D	8.72	3.68
AR1660CCC500	AR1660CCC500	06/04/2025	08:57	PO111453.D	8.72	3.68
I.BLK	I.BLK	06/04/2025	10:13	PO111457.D	8.72	3.68
TP-46	Q2176-01	06/04/2025	10:49	PO111459.D	8.72	3.68
TP-56	Q2176-02	06/04/2025	11:08	PO111460.D	8.72	3.68
TP-25	Q2176-03	06/04/2025	11:26	PO111461.D	8.72	3.68
AR1660CCC500	AR1660CCC500	06/04/2025	15:23	PO111468.D	8.72	3.68
I.BLK	I.BLK	06/04/2025	16:35	PO111472.D	8.71	3.68
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

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Analytical Sequence

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	06/03/2025	10:22	PP072553.D	10.20	4.50
I.BLK	I.BLK	06/03/2025	11:27	PP072557.D	10.19	4.50
PB168252BL	PB168252BL	06/03/2025	13:28	PP072558.D	10.20	4.50
TP-26	Q2176-04	06/03/2025	15:54	PP072567.D	10.20	4.50
AR1660CCC500	AR1660CCC500	06/03/2025	16:59	PP072568.D	10.20	4.50
I.BLK	I.BLK	06/03/2025	18:21	PP072572.D	10.20	4.50
TP-28	Q2176-05	06/03/2025	18:37	PP072573.D	10.20	4.50
TP-28MS	Q2176-05MS	06/03/2025	18:53	PP072574.D	10.20	4.50
TP-28MSD	Q2176-05MSD	06/03/2025	19:10	PP072575.D	10.20	4.50
TP-27	Q2176-06	06/03/2025	19:26	PP072576.D	10.19	4.50
TP-31	Q2176-07	06/03/2025	19:42	PP072577.D	10.20	4.50
TP-65	Q2176-08	06/03/2025	19:59	PP072578.D	10.20	4.50
AR1660CCC500	AR1660CCC500	06/03/2025	22:25	PP072583.D	10.20	4.50
I.BLK	I.BLK	06/03/2025	23:47	PP072587.D	10.19	4.50
AR1660CCC500	AR1660CCC500	06/04/2025	08:50	PP072604.D	10.19	4.50
I.BLK	I.BLK	06/04/2025	10:00	PP072608.D	10.20	4.50
PB168252BS	PB168252BS	06/04/2025	11:37	PP072614.D	10.20	4.50
AR1660CCC500	AR1660CCC500	06/04/2025	14:51	PP072619.D	10.20	4.50
I.BLK	I.BLK	06/04/2025	15:56	PP072623.D	10.20	4.50

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q2176

Project: South River WM Replacement **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/14/2025 05/14/2025

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	05/14/2025	17:01	PO111057.D	8.67	3.68
AR1660ICC1000	AR1660ICC1000	05/14/2025	17:19	PO111058.D	8.67	3.68
AR1660ICC750	AR1660ICC750	05/14/2025	17:38	PO111059.D	8.67	3.68
AR1660ICC500	AR1660ICC500	05/14/2025	17:56	PO111060.D	8.67	3.68
AR1660ICC250	AR1660ICC250	05/14/2025	18:15	PO111061.D	8.68	3.68
AR1660ICC050	AR1660ICC050	05/14/2025	18:33	PO111062.D	8.67	3.68
AR1221ICC500	AR1221ICC500	05/14/2025	18:51	PO111063.D	8.67	3.68
AR1232ICC500	AR1232ICC500	05/14/2025	19:10	PO111064.D	8.68	3.68
AR1242ICC1000	AR1242ICC1000	05/14/2025	19:28	PO111065.D	8.67	3.68
AR1242ICC750	AR1242ICC750	05/14/2025	19:46	PO111066.D	8.67	3.68
AR1242ICC500	AR1242ICC500	05/14/2025	20:05	PO111067.D	8.67	3.68
AR1242ICC250	AR1242ICC250	05/14/2025	20:23	PO111068.D	8.67	3.68
AR1242ICC050	AR1242ICC050	05/14/2025	20:41	PO111069.D	8.67	3.68
AR1248ICC1000	AR1248ICC1000	05/14/2025	21:00	PO111070.D	8.67	3.68
AR1248ICC750	AR1248ICC750	05/14/2025	21:18	PO111071.D	8.67	3.68
AR1248ICC500	AR1248ICC500	05/14/2025	21:37	PO111072.D	8.68	3.68
AR1248ICC250	AR1248ICC250	05/14/2025	21:54	PO111073.D	8.69	3.69
AR1248ICC050	AR1248ICC050	05/14/2025	22:12	PO111074.D	8.67	3.68
AR1254ICC1000	AR1254ICC1000	05/14/2025	22:31	PO111075.D	8.67	3.68
AR1254ICC750	AR1254ICC750	05/14/2025	22:49	PO111076.D	8.67	3.68
AR1254ICC500	AR1254ICC500	05/14/2025	23:06	PO111077.D	8.67	3.68
AR1254ICC250	AR1254ICC250	05/14/2025	23:25	PO111078.D	8.67	3.68
AR1254ICC050	AR1254ICC050	05/14/2025	23:43	PO111079.D	8.67	3.68
AR1262ICC500	AR1262ICC500	05/15/2025	00:01	PO111080.D	8.67	3.68
AR1268ICC1000	AR1268ICC1000	05/15/2025	00:19	PO111081.D	8.67	3.68
AR1268ICC750	AR1268ICC750	05/15/2025	00:37	PO111082.D	8.67	3.68
AR1268ICC500	AR1268ICC500	05/15/2025	00:56	PO111083.D	8.67	3.68
AR1268ICC250	AR1268ICC250	05/15/2025	01:14	PO111084.D	8.67	3.68
AR1268ICC050	AR1268ICC050	05/15/2025	01:31	PO111085.D	8.67	3.68
AR1660CCC500	AR1660CCC500	06/04/2025	08:57	PO111453.D	8.67	3.68
I.BLK	I.BLK	06/04/2025	10:13	PO111457.D	8.67	3.68
TP-46	Q2176-01	06/04/2025	10:49	PO111459.D	8.66	3.68
TP-56	Q2176-02	06/04/2025	11:08	PO111460.D	8.66	3.68
TP-25	Q2176-03	06/04/2025	11:26	PO111461.D	8.66	3.68
AR1660CCC500	AR1660CCC500	06/04/2025	15:23	PO111468.D	8.67	3.68
I.BLK	I.BLK	06/04/2025	16:35	PO111472.D	8.66	3.68
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

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Fax : 908 789 8922

Analytical Sequence

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	06/03/2025	10:22	PP072553.D	8.81	3.79
I.BLK	I.BLK	06/03/2025	11:27	PP072557.D	8.81	3.79
PB168252BL	PB168252BL	06/03/2025	13:28	PP072558.D	8.81	3.79
TP-26	Q2176-04	06/03/2025	15:54	PP072567.D	8.81	3.79
AR1660CCC500	AR1660CCC500	06/03/2025	16:59	PP072568.D	8.81	3.80
I.BLK	I.BLK	06/03/2025	18:21	PP072572.D	8.81	3.80
TP-28	Q2176-05	06/03/2025	18:37	PP072573.D	8.81	3.80
TP-28MS	Q2176-05MS	06/03/2025	18:53	PP072574.D	8.81	3.80
TP-28MSD	Q2176-05MSD	06/03/2025	19:10	PP072575.D	8.81	3.79
TP-27	Q2176-06	06/03/2025	19:26	PP072576.D	8.81	3.79
TP-31	Q2176-07	06/03/2025	19:42	PP072577.D	8.81	3.80
TP-65	Q2176-08	06/03/2025	19:59	PP072578.D	8.81	3.80
AR1660CCC500	AR1660CCC500	06/03/2025	22:25	PP072583.D	8.81	3.79
I.BLK	I.BLK	06/03/2025	23:47	PP072587.D	8.81	3.79
AR1660CCC500	AR1660CCC500	06/04/2025	08:50	PP072604.D	8.81	3.79
I.BLK	I.BLK	06/04/2025	10:00	PP072608.D	8.81	3.79
PB168252BS	PB168252BS	06/04/2025	11:37	PP072614.D	8.81	3.79
AR1660CCC500	AR1660CCC500	06/04/2025	14:51	PP072619.D	8.81	3.80
I.BLK	I.BLK	06/04/2025	15:56	PP072623.D	8.81	3.80

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TP-25

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Lab Sample ID: Q2176-03 Date(s) Analyzed: 06/04/2025 06/04/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO111461.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1260	1	6.259	6.209	6.309	14.5		
	2	6.448	6.398	6.498	7.89		
	3	6.815	6.765	6.865	6.03		
COLUMN 1	4	7.074	7.024	7.124	7.52		
	5	7.317	7.267	7.367	6.53	8.50	
	1	6.231	6.181	6.281	9.56		
	2	6.419	6.369	6.469	6.71		
	3	6.571	6.521	6.621	6.71		
	4	7.041	6.991	7.091	7.10		
COLUMN 2	5	7.282	7.232	7.332	5.20	7.10	17.95

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TP-28MS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Lab Sample ID: Q2176-05MS Date(s) Analyzed: 06/03/2025 06/03/2025

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 PP072574.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.652	5.602	5.702	141		
	2	5.673	5.623	5.723	153		
	3	5.735	5.685	5.785	150		
COLUMN 1	4	5.832	5.782	5.882	156		
	5	6.125	6.075	6.175	148	150	
	1	4.877	4.827	4.927	166		
	2	4.895	4.845	4.945	169		
	3	5.071	5.021	5.121	171		
	4	5.113	5.063	5.163	170		
COLUMN 2	5	5.327	5.277	5.377	164	168	11.32
Aroclor-1260	1	7.242	7.192	7.292	161		
	2	7.495	7.445	7.545	142		
	3	7.854	7.804	7.904	125		
COLUMN 1	4	8.076	8.026	8.126	138		
	5	8.396	8.346	8.446	134	140	
	1	6.358	6.308	6.408	178		
	2	6.548	6.498	6.598	162		
	3	6.7	6.65	6.75	171		
	4	7.17	7.12	7.22	150		
COLUMN 2	5	7.412	7.362	7.462	145	161	13.95

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TP-28MSD

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Lab Sample ID: Q2176-05MSD Date(s) Analyzed: 06/03/2025 06/03/2025

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 PP072575.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.654	5.604	5.704	121		
	2	5.676	5.626	5.726	130		
	3	5.737	5.687	5.787	129		
COLUMN 1	4	5.835	5.785	5.885	136		
	5	6.127	6.077	6.177	126	128	
	1	4.876	4.826	4.926	141		
	2	4.894	4.844	4.944	142		
	3	5.071	5.021	5.121	144		
	4	5.113	5.063	5.163	144		
COLUMN 2	5	5.326	5.276	5.376	139	142	10.37
Aroclor-1260	1	7.245	7.195	7.295	131		
	2	7.498	7.448	7.548	120		
	3	7.857	7.807	7.907	106		
COLUMN 1	4	8.081	8.031	8.131	117		
	5	8.399	8.349	8.449	112	117	
	1	6.359	6.309	6.409	154		
	2	6.547	6.497	6.597	140		
	3	6.699	6.649	6.749	148		
	4	7.169	7.119	7.219	130		
COLUMN 2	5	7.411	7.361	7.461	125	139	17.19

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB168252BS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Lab Sample ID: PB168252BS Date(s) Analyzed: 06/04/2025 06/04/2025

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 PP072614.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.652	5.602	5.702	131		
	2	5.673	5.623	5.723	143		
	3	5.735	5.685	5.785	143		
COLUMN 1	4	5.832	5.782	5.882	146		
	5	6.125	6.075	6.175	139	140	
	1	4.875	4.825	4.925	152		
	2	4.893	4.843	4.943	155		
	3	5.069	5.019	5.119	156		
	4	5.111	5.061	5.161	156		
COLUMN 2	5	5.325	5.275	5.375	148	153	8.87
Aroclor-1260	1	7.242	7.192	7.292	146		
	2	7.496	7.446	7.546	148		
	3	7.853	7.803	7.903	129		
COLUMN 1	4	8.078	8.028	8.128	137		
	5	8.399	8.349	8.449	159	144	
	1	6.357	6.307	6.407	165		
	2	6.546	6.496	6.596	156		
	3	6.697	6.647	6.747	167		
	4	7.167	7.117	7.217	150		
COLUMN 2	5	7.409	7.359	7.459	147	157	8.64

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO060425\
Data File : PO111459.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 10:49
Operator : YP/AJ
Sample : Q2176-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
TP-46

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 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 14:49:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 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...	3.679	3.675	122.4E6	105.0E6	20.803	19.262
2)	SA Decachlor...	8.715	8.663	85733362	29047845	16.606	15.700m
	Target Compounds						

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

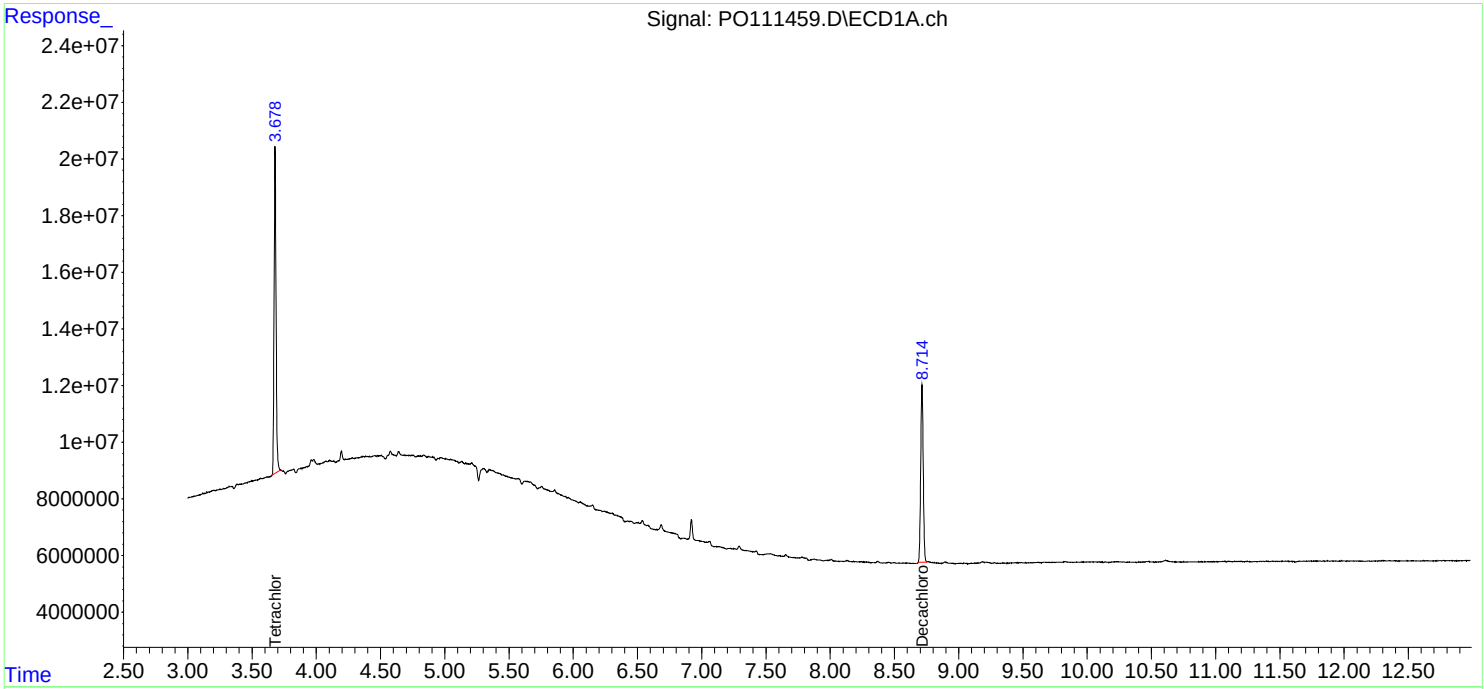
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO060425\
Data File : PO111459.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 10:49
Operator : YP/AJ
Sample : Q2176-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

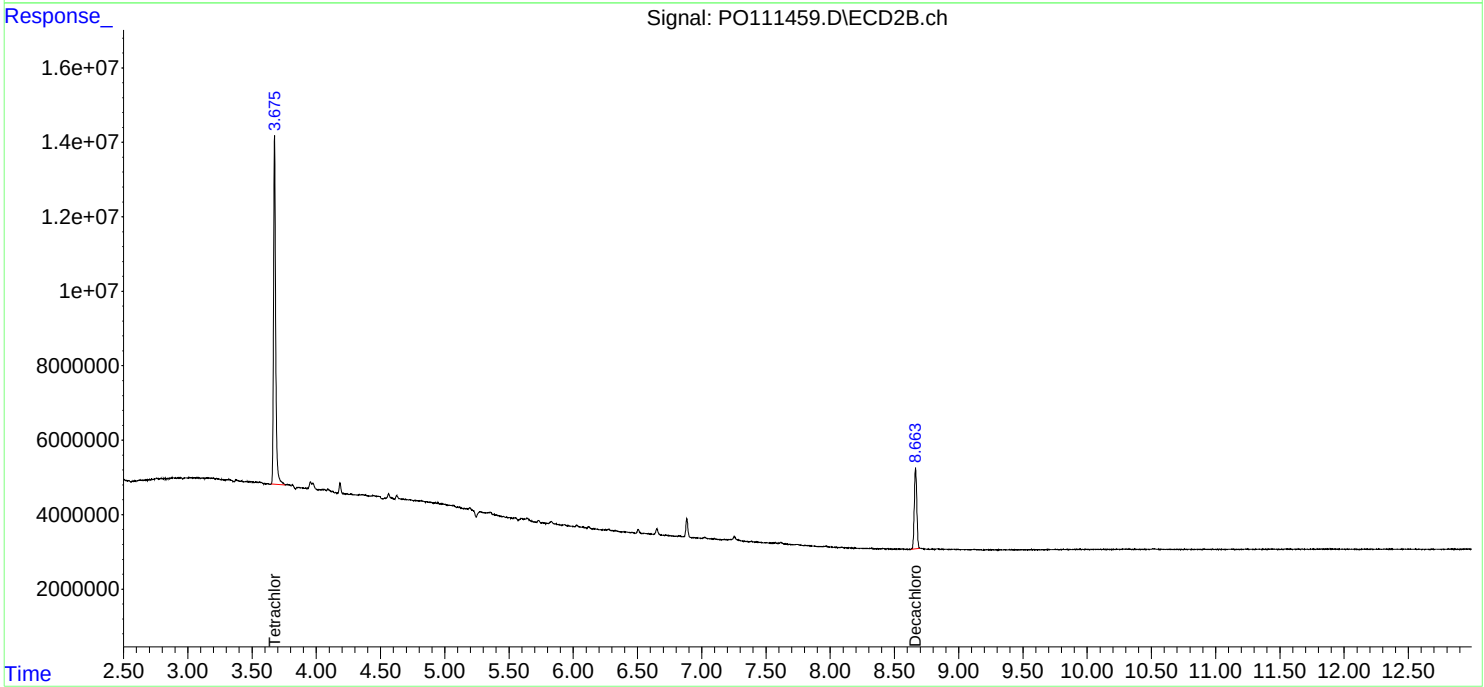
Instrument :
ECD_O
ClientSampleId :
TP-46

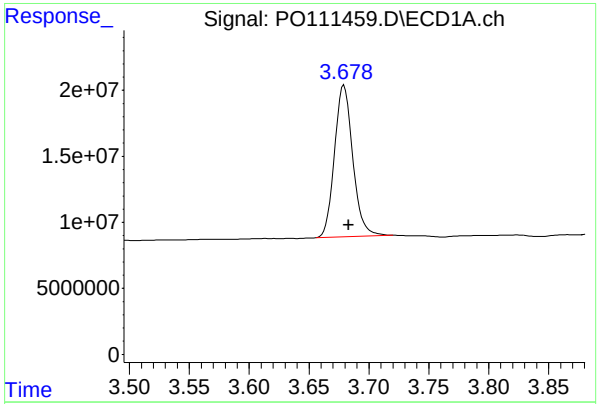
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 14:49:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 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







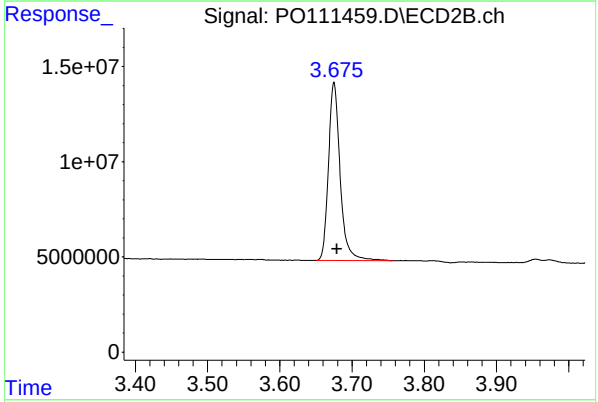
#1 Tetrachloro-m-xylene

R.T.: 3.679 min
Delta R.T.: -0.004 min
Response: 122385685
Conc: 20.80 ng/ml

Instrument :
ECD_O
ClientSampleId :
TP-46

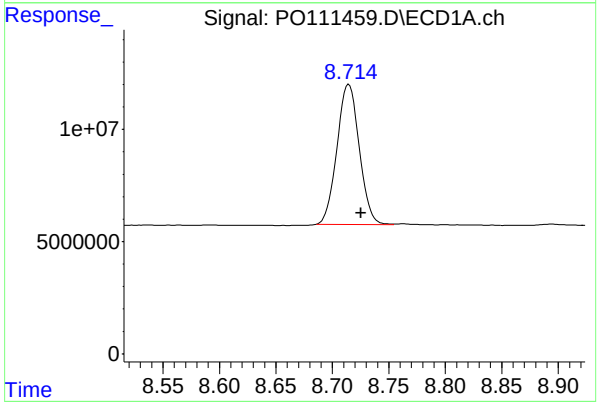
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



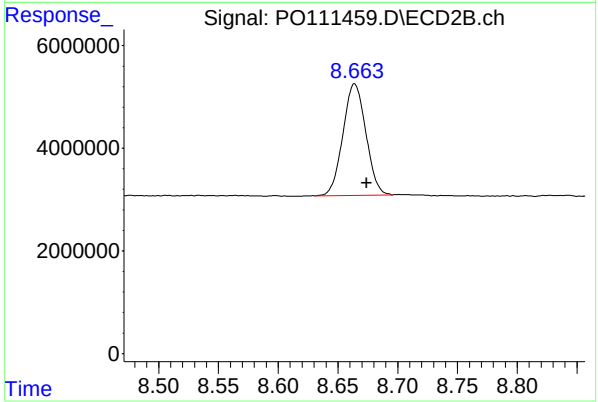
#1 Tetrachloro-m-xylene

R.T.: 3.675 min
Delta R.T.: -0.004 min
Response: 105005142
Conc: 19.26 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.715 min
Delta R.T.: -0.011 min
Response: 85733362
Conc: 16.61 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.663 min
Delta R.T.: -0.011 min
Response: 29047845
Conc: 15.70 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO060425\
Data File : PO111460.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 11:08
Operator : YP/AJ
Sample : Q2176-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
TP-56

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 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 14:50:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 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...	3.679	3.676	123.3E6	105.2E6	20.952	19.298
2)	SA Decachlor...	8.715	8.664	72923892	25307565	14.125	13.679m
	Target Compounds						

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

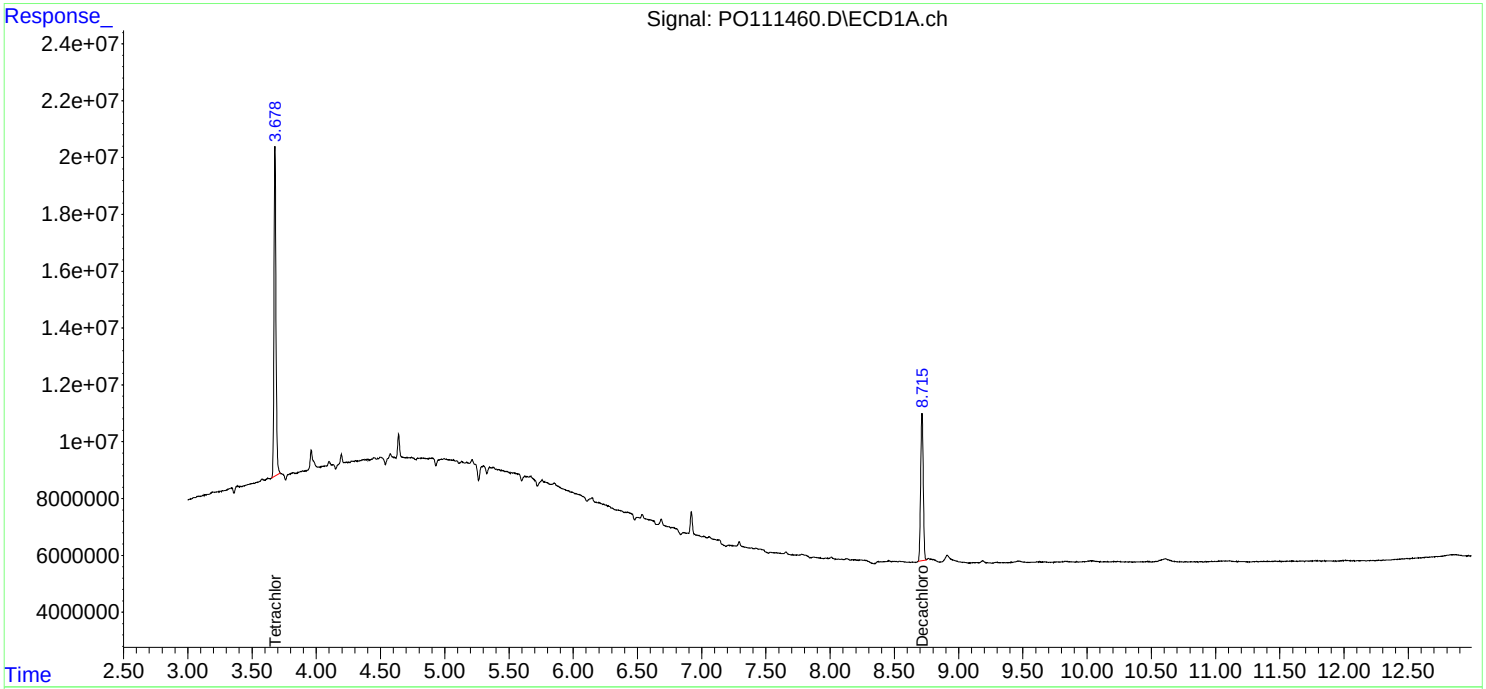
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO060425\
Data File : PO111460.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 11:08
Operator : YP/AJ
Sample : Q2176-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

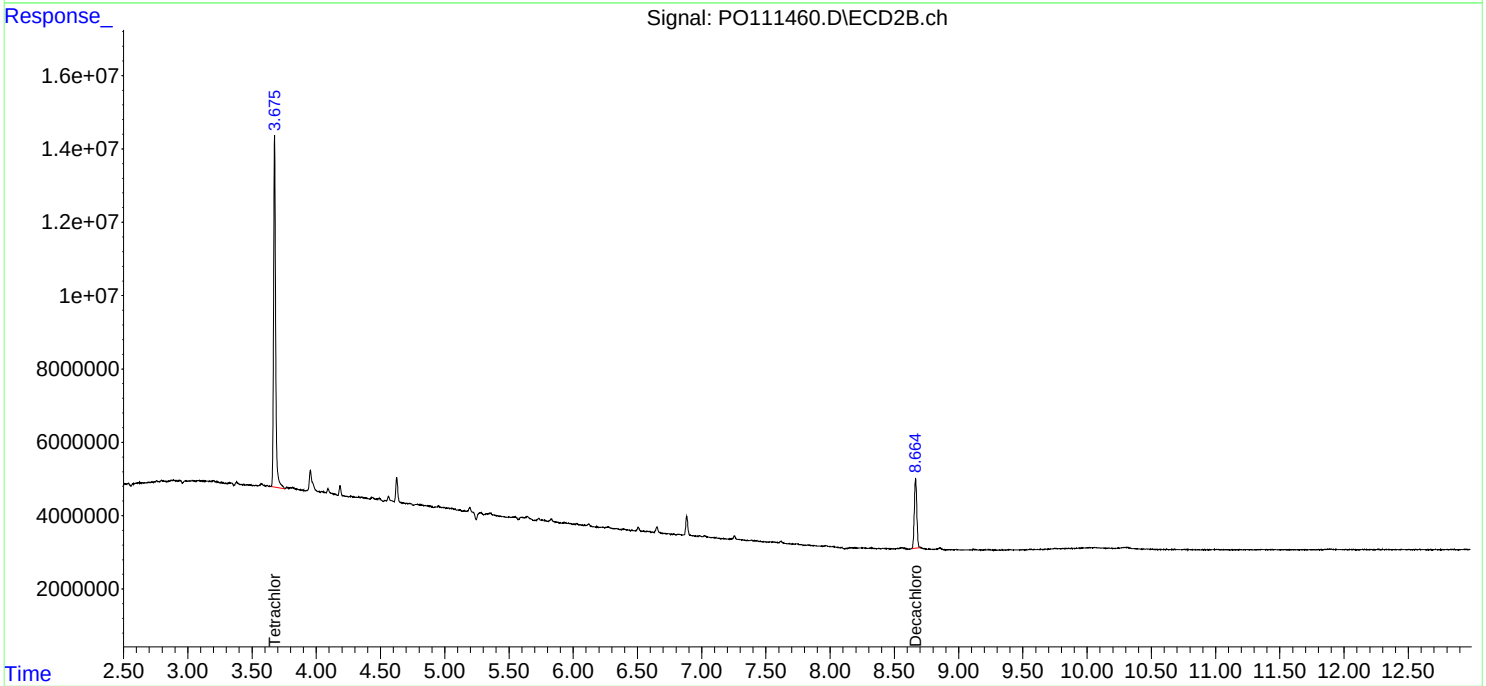
Instrument :
ECD_O
ClientSampleId :
TP-56

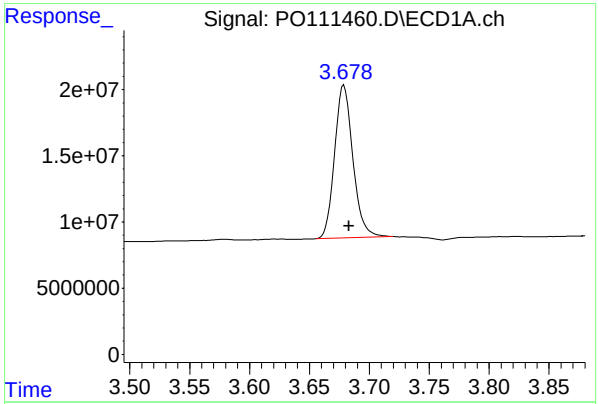
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 14:50:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 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







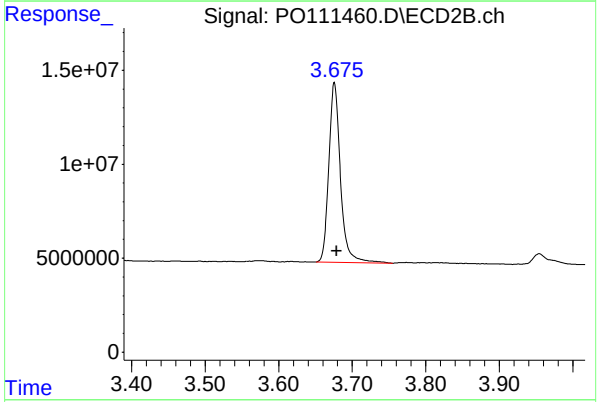
#1 Tetrachloro-m-xylene

R.T.: 3.679 min
Delta R.T.: -0.004 min
Response: 123264579
Conc: 20.95 ng/ml

Instrument :
ECD_O
ClientSampleId :
TP-56

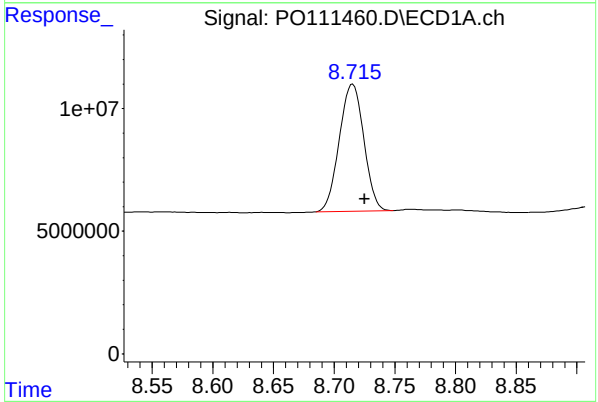
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



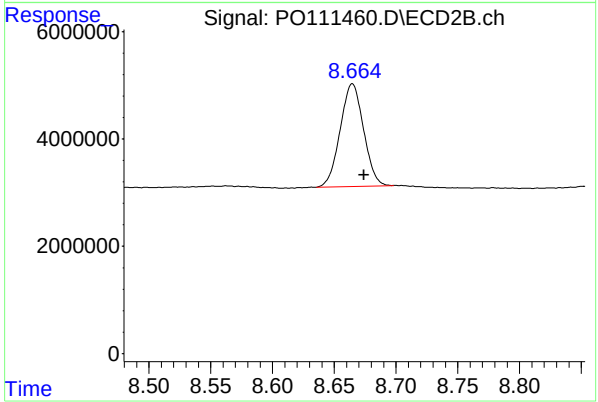
#1 Tetrachloro-m-xylene

R.T.: 3.676 min
Delta R.T.: -0.003 min
Response: 105202542
Conc: 19.30 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.715 min
Delta R.T.: -0.010 min
Response: 72923892
Conc: 14.12 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.664 min
Delta R.T.: -0.010 min
Response: 25307565
Conc: 13.68 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO060425\
Data File : PO111461.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 11:26
Operator : YP/AJ
Sample : Q2176-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
TP-25

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 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 14:50:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 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...	3.679	3.675	131.2E6	112.0E6	22.305	20.550
2)	SA Decachlor...	8.715	8.664	81801391	28644452	15.844	15.482m
	Target Compounds						
31)	L7 AR-1260-1	6.259	6.231	11387090	6157043	37.339	24.639 #
32)	L7 AR-1260-2	6.448	6.419	7787130	5087308	20.335	17.287
33)	L7 AR-1260-3	6.815	6.571	5412703	4958597	15.527	17.294
34)	L7 AR-1260-4	7.074	7.041	5424502	3671202	19.376	18.286
35)	L7 AR-1260-5	7.317	7.282	12110747	6162364	16.823	13.408

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

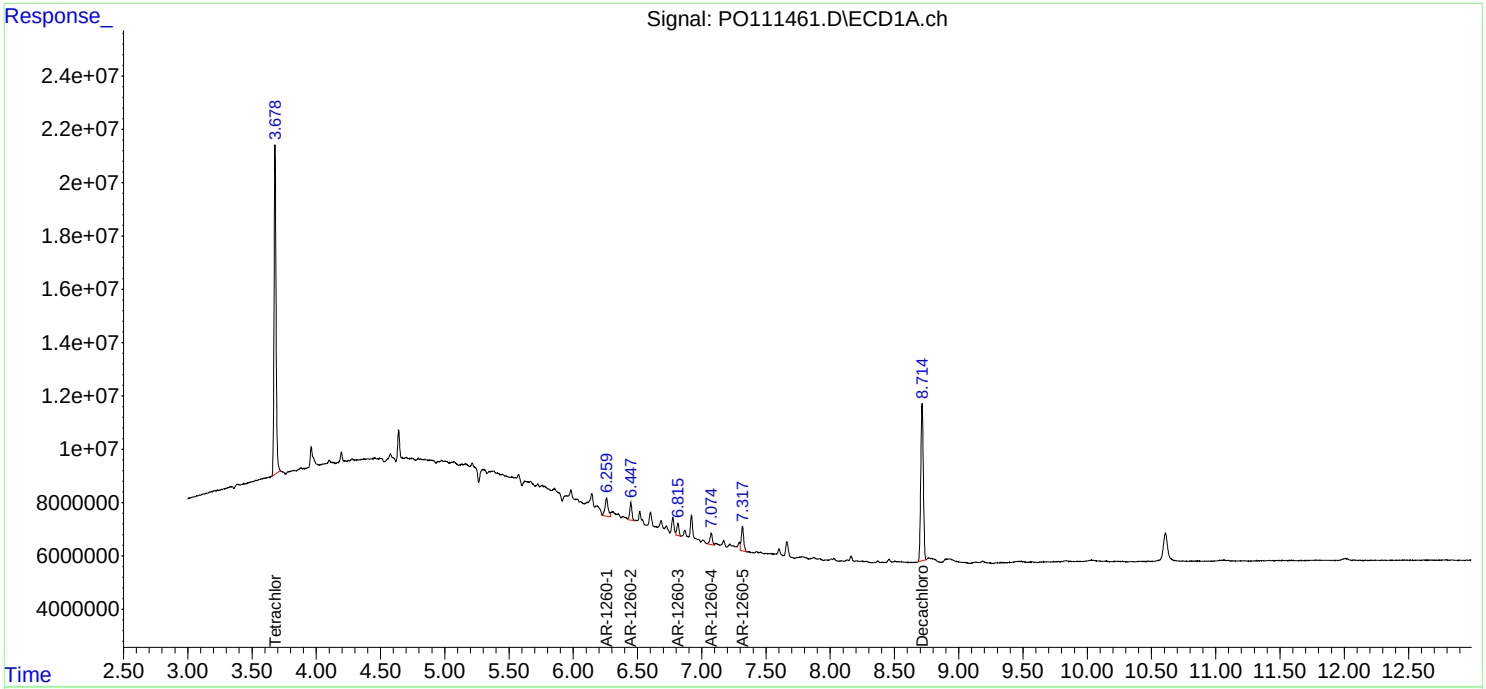
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO060425\
Data File : PO111461.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 11:26
Operator : YP/AJ
Sample : Q2176-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

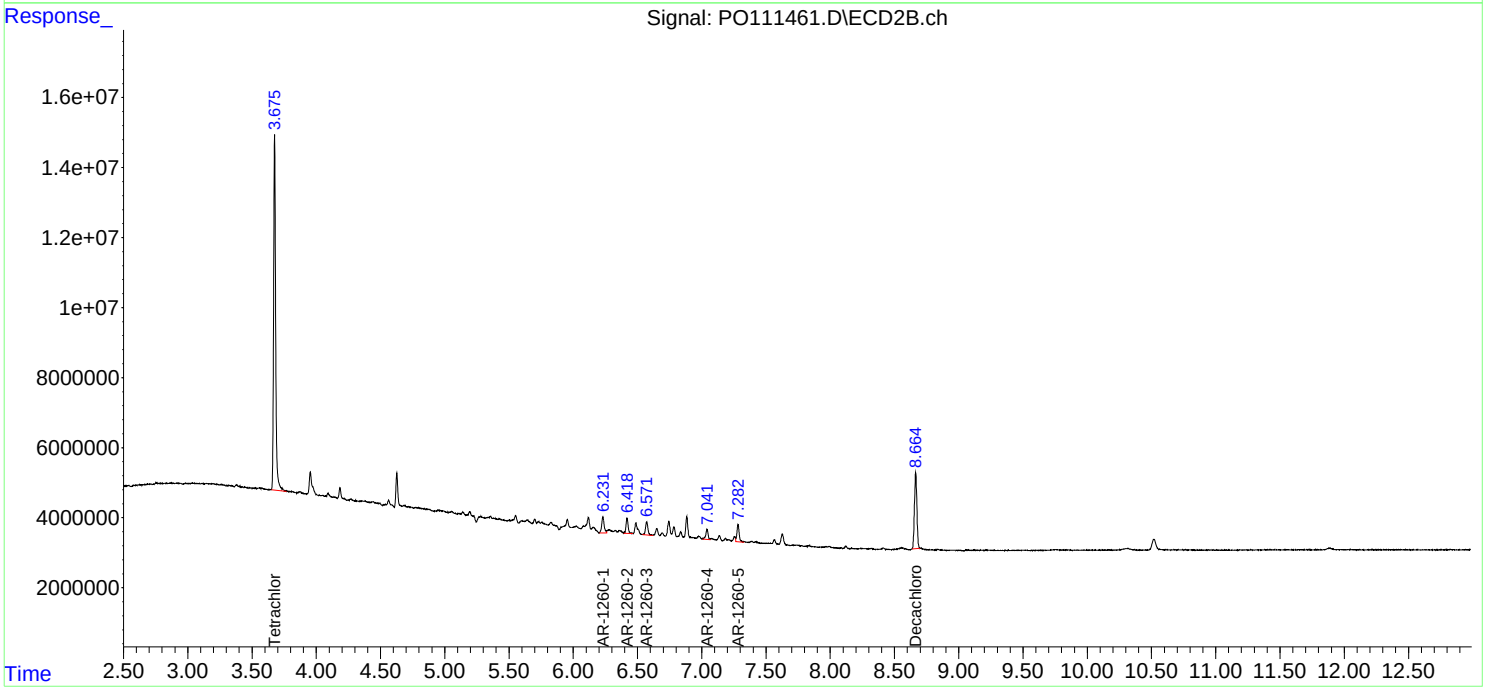
Instrument :
ECD_O
ClientSampleId :
TP-25

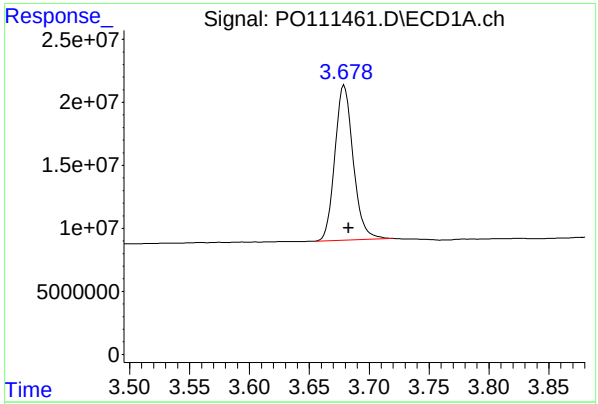
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 14:50:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 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







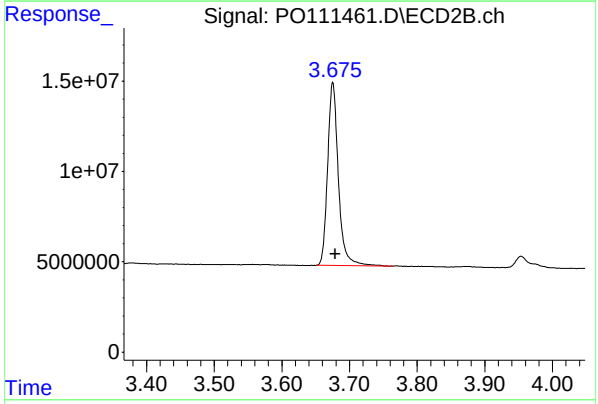
#1 Tetrachloro-m-xylene

R.T.: 3.679 min
Delta R.T.: -0.004 min
Response: 131227399
Conc: 22.31 ng/ml

Instrument :
ECD_O
ClientSampleId :
TP-25

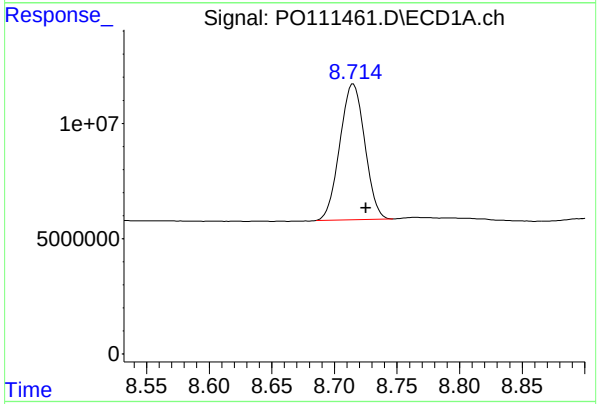
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



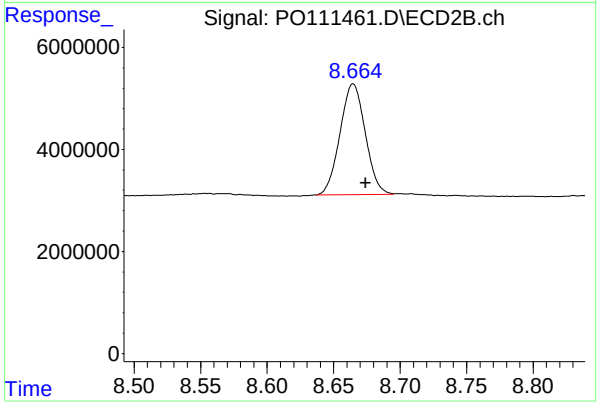
#1 Tetrachloro-m-xylene

R.T.: 3.675 min
Delta R.T.: -0.004 min
Response: 112029644
Conc: 20.55 ng/ml



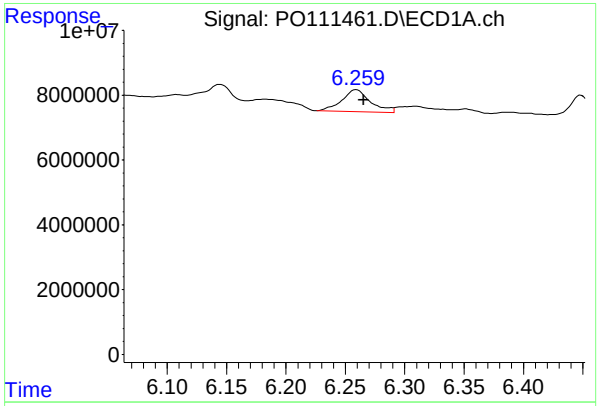
#2 Decachlorobiphenyl

R.T.: 8.715 min
Delta R.T.: -0.010 min
Response: 81801391
Conc: 15.84 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.664 min
Delta R.T.: -0.010 min
Response: 28644452
Conc: 15.48 ng/ml m



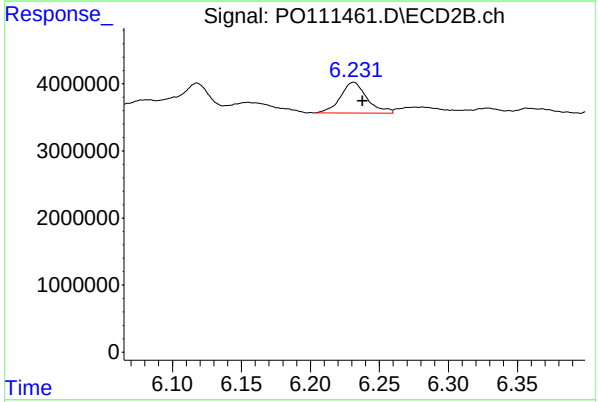
#31 AR-1260-1

R.T.: 6.259 min
Delta R.T.: -0.006 min
Response: 11387090
Conc: 37.34 ng/ml

Instrument :
ECD_O
ClientSampleId :
TP-25

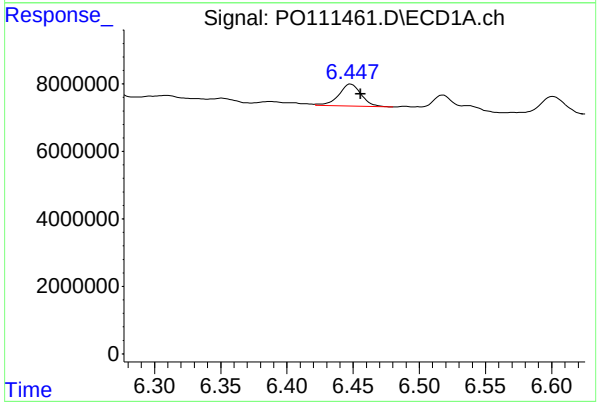
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



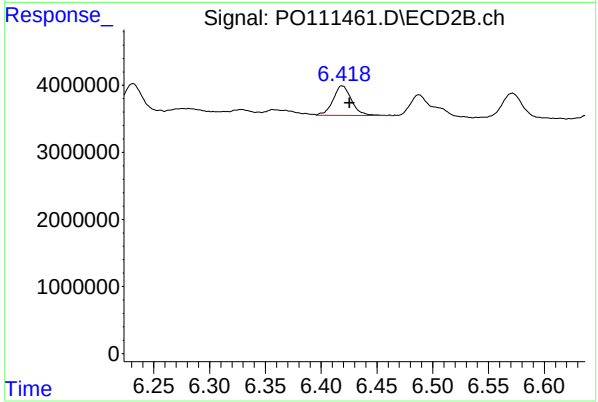
#31 AR-1260-1

R.T.: 6.231 min
Delta R.T.: -0.006 min
Response: 6157043
Conc: 24.64 ng/ml



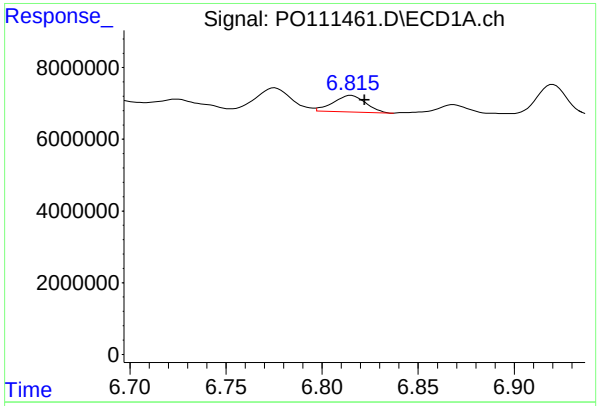
#32 AR-1260-2

R.T.: 6.448 min
Delta R.T.: -0.007 min
Response: 7787130
Conc: 20.33 ng/ml



#32 AR-1260-2

R.T.: 6.419 min
Delta R.T.: -0.007 min
Response: 5087308
Conc: 17.29 ng/ml



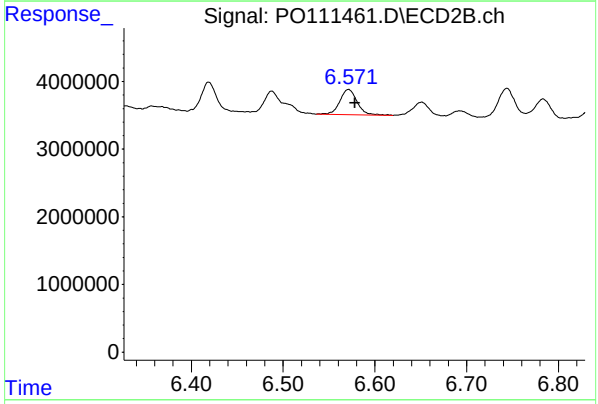
#33 AR-1260-3

R.T.: 6.815 min
Delta R.T.: -0.007 min
Response: 5412703
Conc: 15.53 ng/ml

Instrument :
ECD_O
ClientSampleId :
TP-25

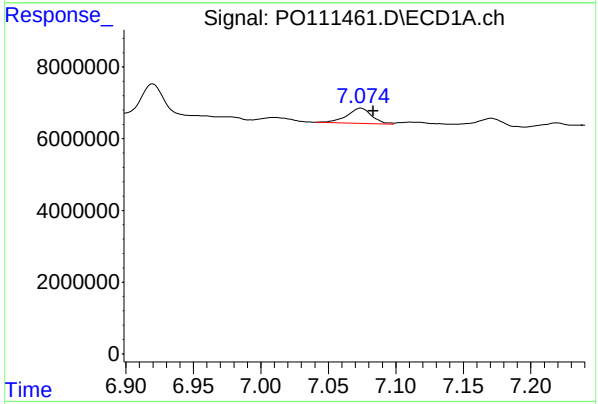
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



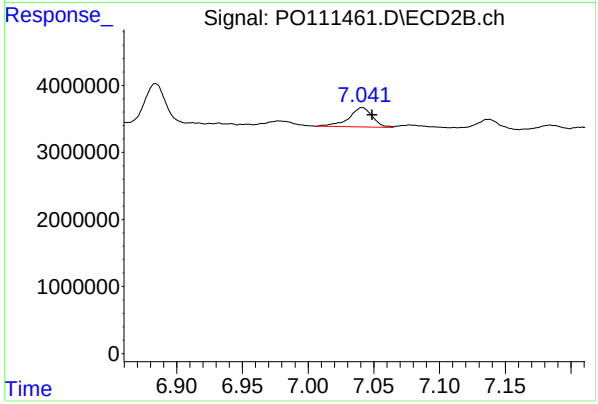
#33 AR-1260-3

R.T.: 6.571 min
Delta R.T.: -0.007 min
Response: 4958597
Conc: 17.29 ng/ml



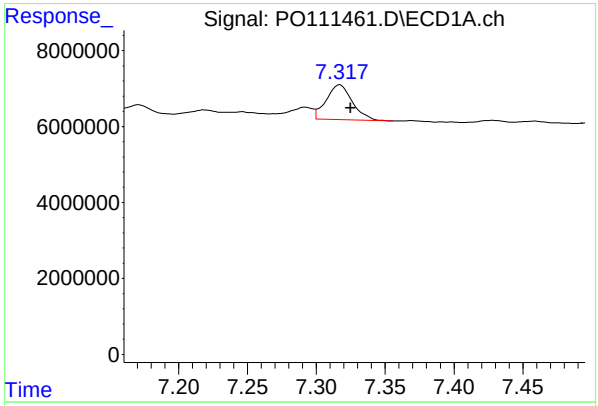
#34 AR-1260-4

R.T.: 7.074 min
Delta R.T.: -0.009 min
Response: 5424502
Conc: 19.38 ng/ml



#34 AR-1260-4

R.T.: 7.041 min
Delta R.T.: -0.008 min
Response: 3671202
Conc: 18.29 ng/ml



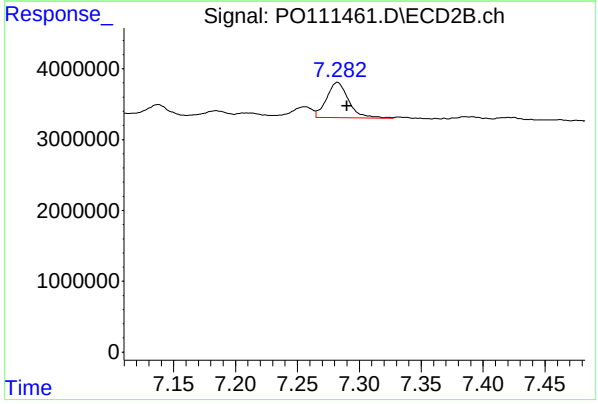
#35 AR-1260-5

R.T.: 7.317 min
Delta R.T.: -0.008 min
Response: 12110747
Conc: 16.82 ng/ml

Instrument :
ECD_O
ClientSampleId :
TP-25

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



#35 AR-1260-5

R.T.: 7.282 min
Delta R.T.: -0.008 min
Response: 6162364
Conc: 13.41 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072567.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 15:54
Operator : YP\AJ
Sample : Q2176-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-26

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 03 17:06:15 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...	4.501	3.794	36837363	34509279	18.320m	21.590
2)	SA Decachlor...	10.203	8.810	26442467	19960601	16.231	18.856
	Target Compounds						

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

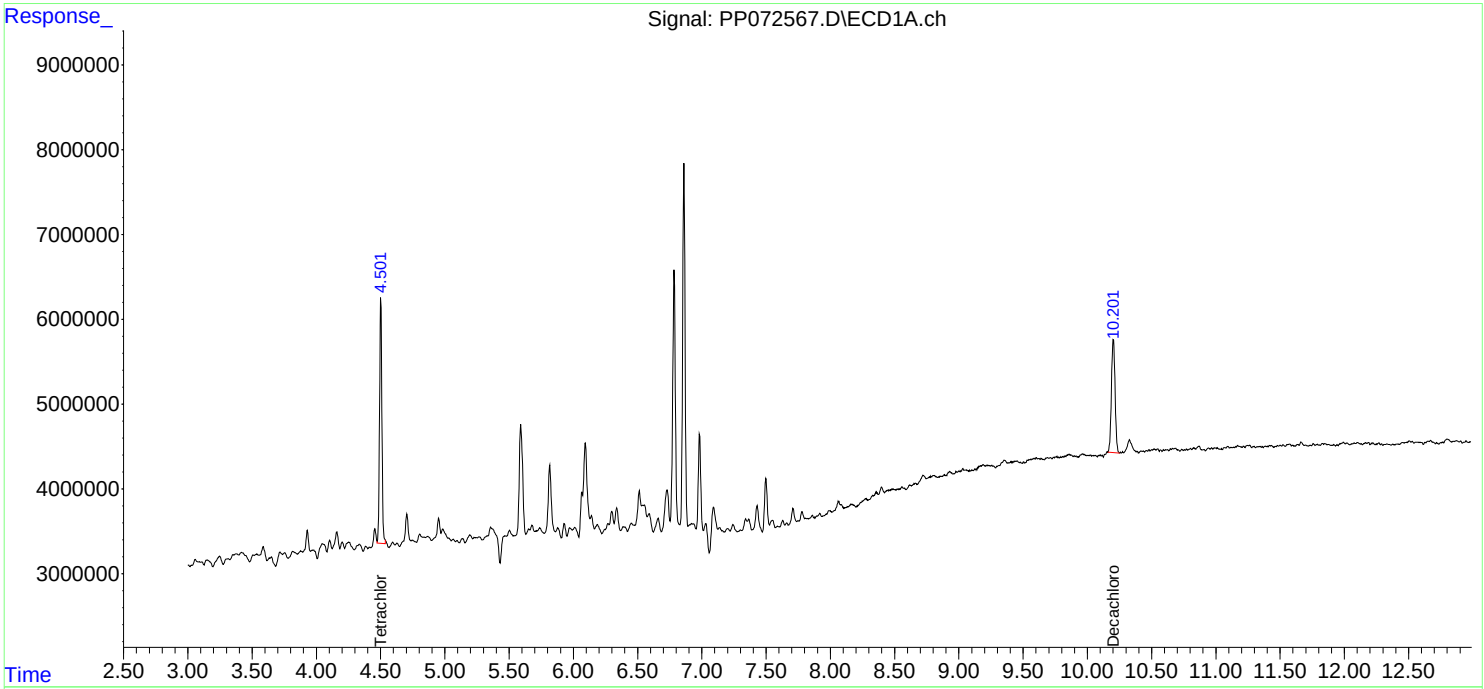
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072567.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 15:54
Operator : YP\AJ
Sample : Q2176-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

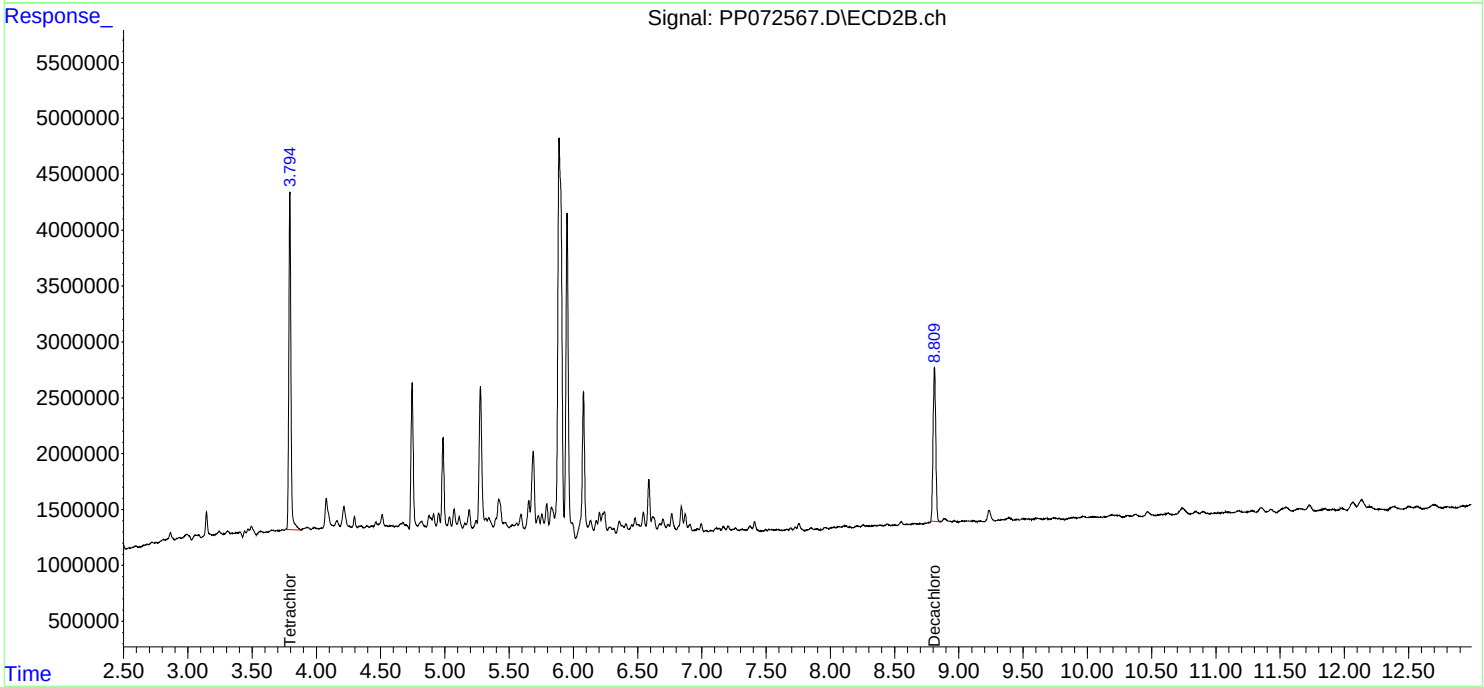
Instrument :
ECD_P
ClientSampleId :
TP-26

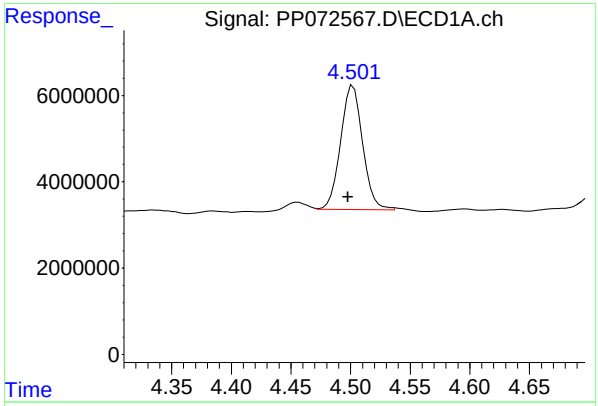
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 03 17:06:15 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







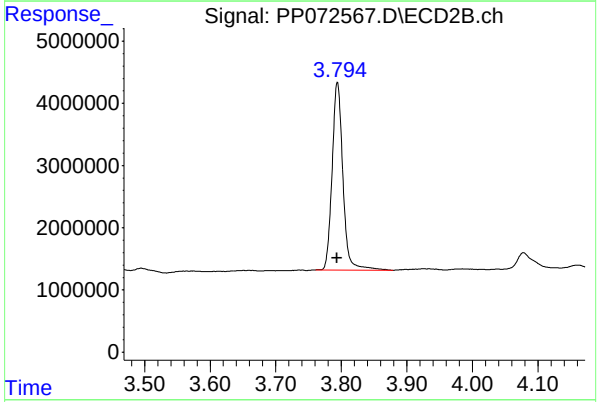
#1 Tetrachloro-m-xylene

R.T.: 4.501 min
Delta R.T.: 0.003 min
Response: 36837363
Conc: 18.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-26

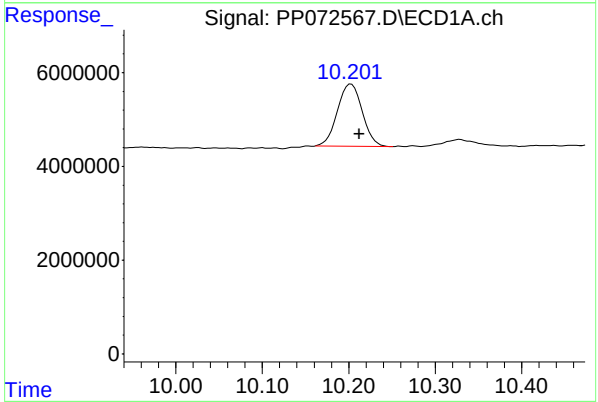
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



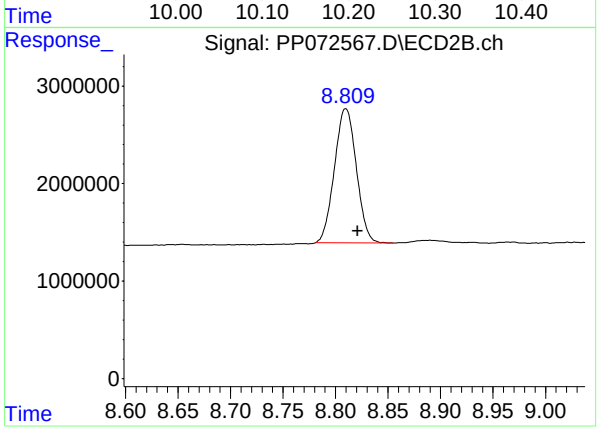
#1 Tetrachloro-m-xylene

R.T.: 3.794 min
Delta R.T.: 0.000 min
Response: 34509279
Conc: 21.59 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.203 min
Delta R.T.: -0.009 min
Response: 26442467
Conc: 16.23 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.810 min
Delta R.T.: -0.011 min
Response: 19960601
Conc: 18.86 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072573.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 18:37
Operator : YP\AJ
Sample : Q2176-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-28

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:35:30 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	3.795	38447822	34705136	19.121	21.713
2)	SA Decachlor...	10.201	8.811	27792832	21421506	17.060	20.236
	Target Compounds						

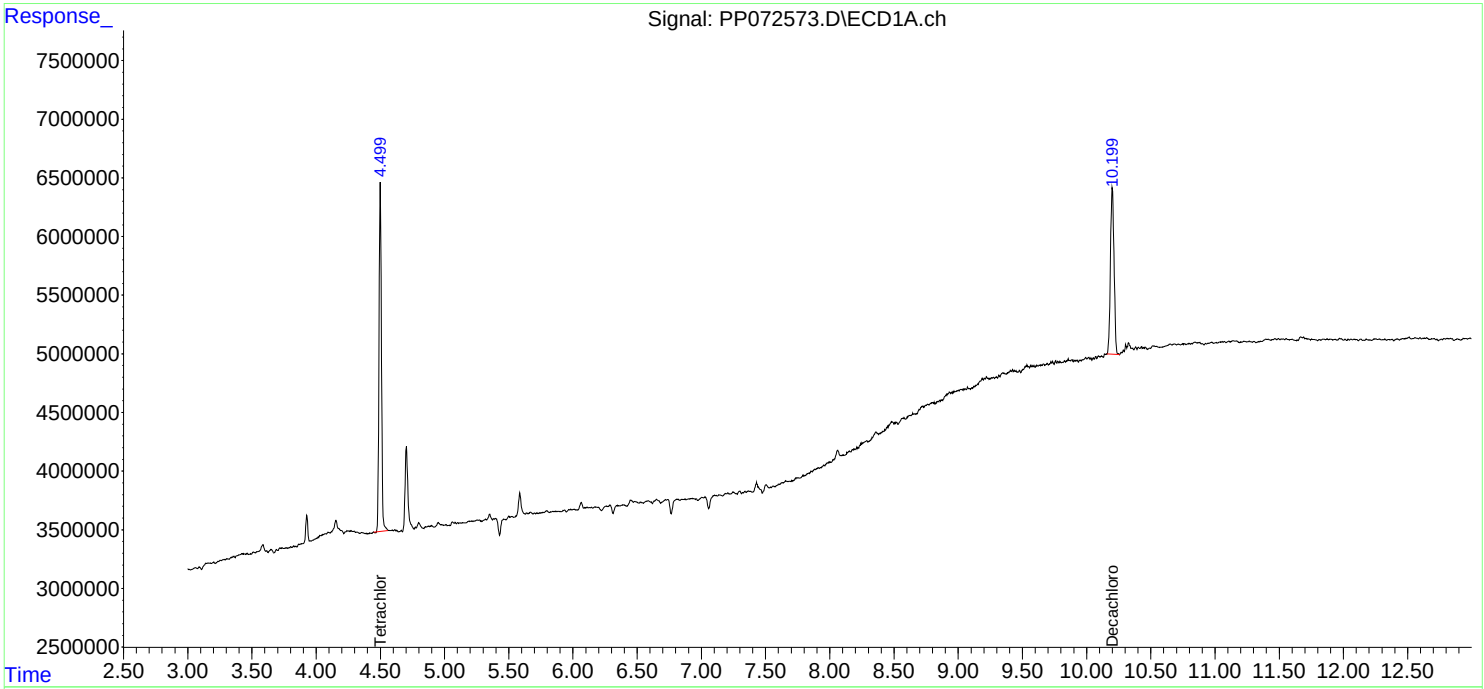
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

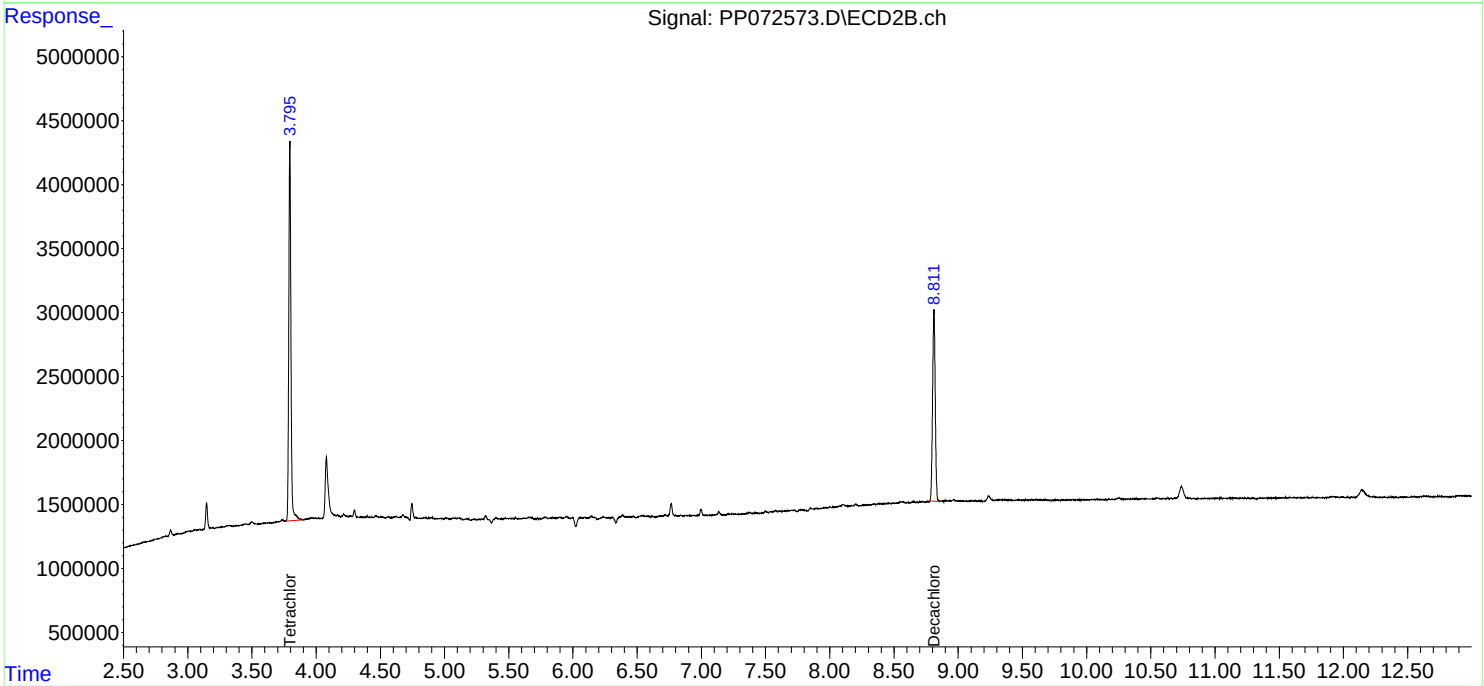
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072573.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 18:37
Operator : YP\AJ
Sample : Q2176-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

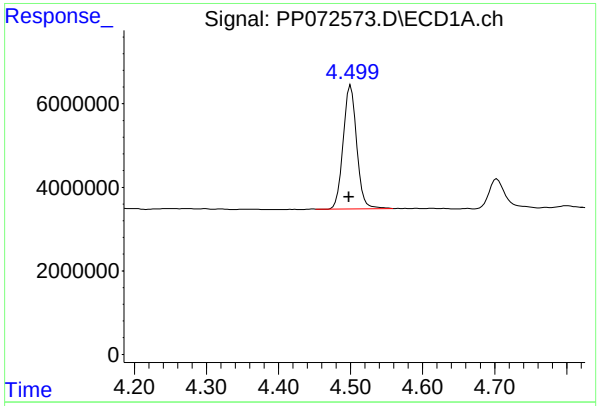
Instrument :
ECD_P
ClientSampleId :
TP-28

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:35:30 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



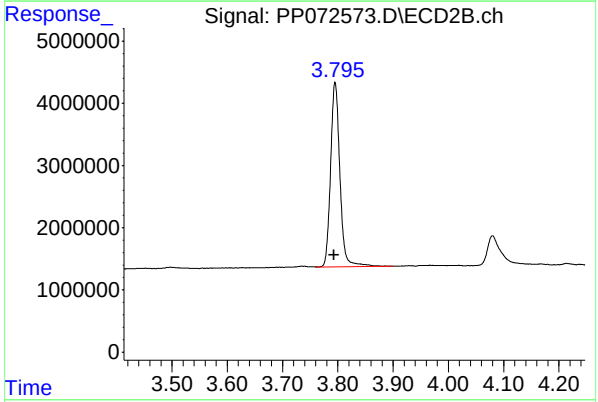




#1 Tetrachloro-m-xylene

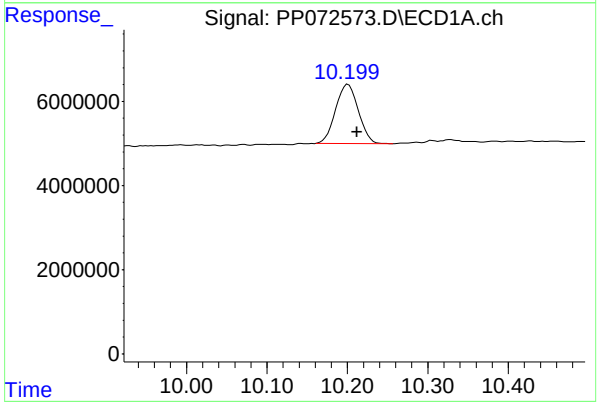
R.T.: 4.500 min
Delta R.T.: 0.002 min
Response: 38447822
Conc: 19.12 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-28



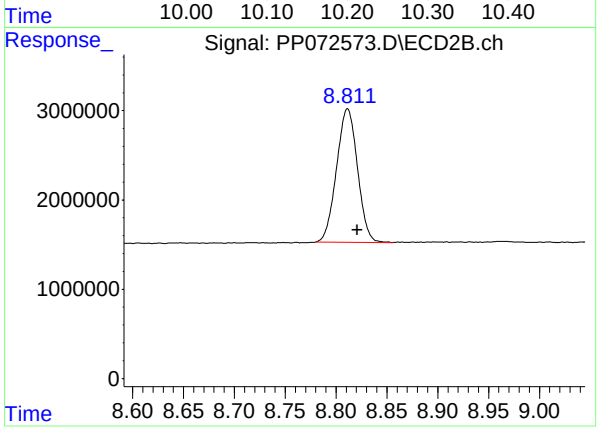
#1 Tetrachloro-m-xylene

R.T.: 3.795 min
Delta R.T.: 0.002 min
Response: 34705136
Conc: 21.71 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.201 min
Delta R.T.: -0.011 min
Response: 27792832
Conc: 17.06 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.811 min
Delta R.T.: -0.010 min
Response: 21421506
Conc: 20.24 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072576.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 19:26
Operator : YP\AJ
Sample : Q2176-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:30 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...	4.497	3.794	42108871	35656364	20.941	22.308
2)	SA Decachlor...	10.194	8.809	27406622	20744286	16.823m	19.596m
	Target Compounds						

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

Instrument :
ECD_P
ClientSampleId :
TP-27

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

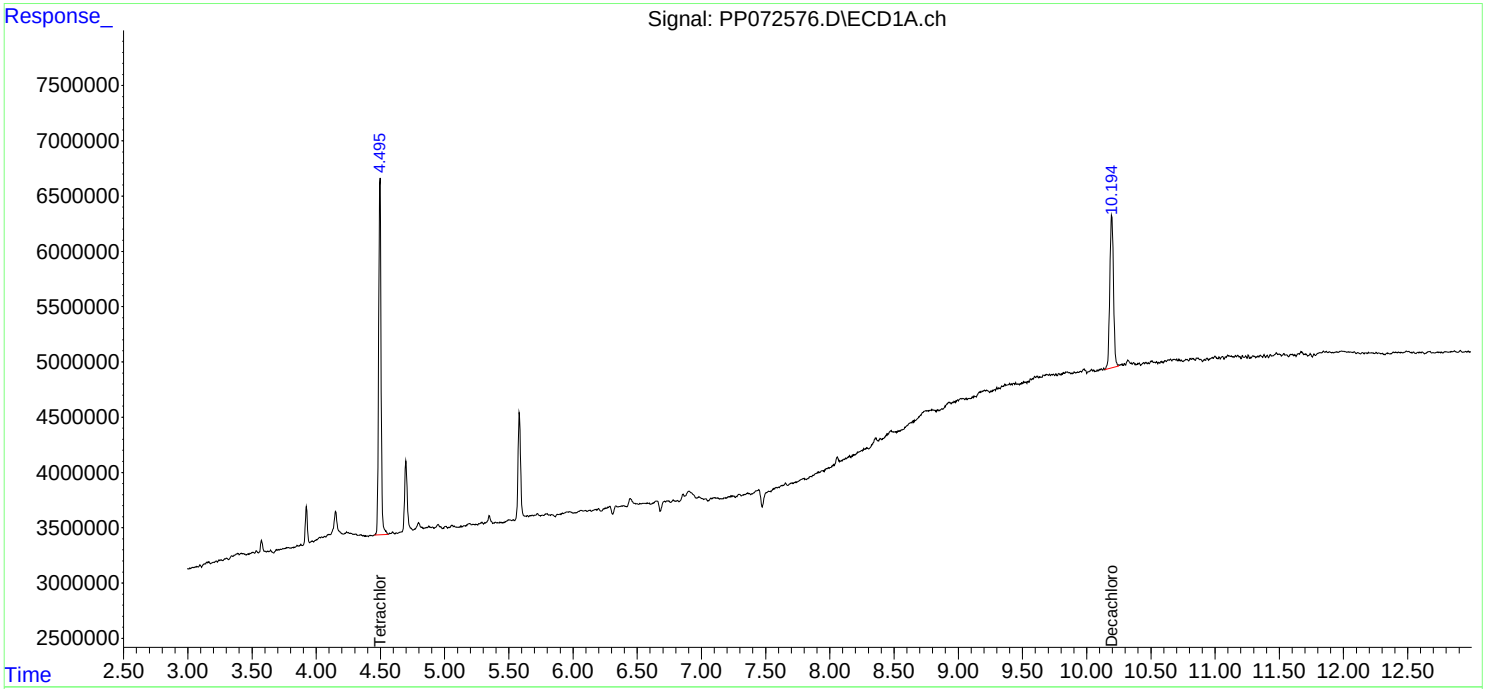
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072576.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 19:26
Operator : YP\AJ
Sample : Q2176-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

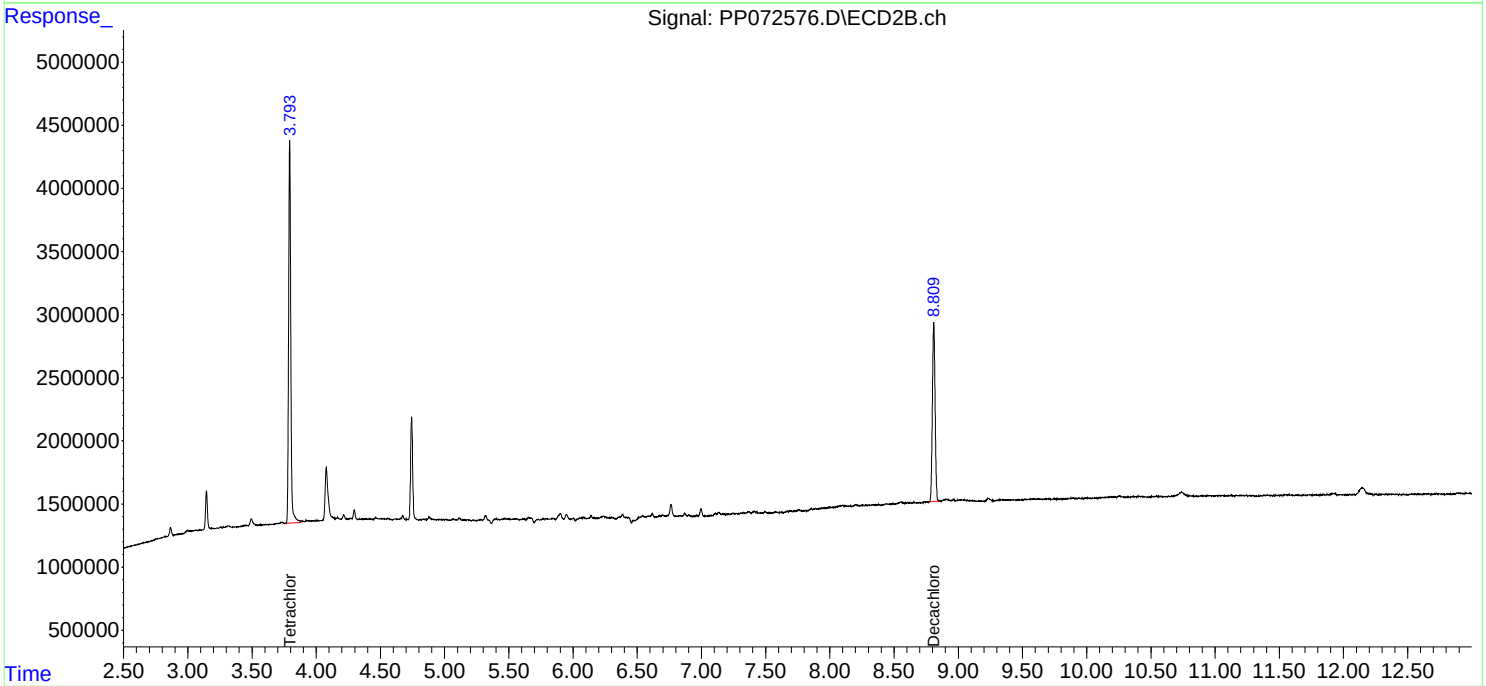
Instrument :
ECD_P
ClientSampleId :
TP-27

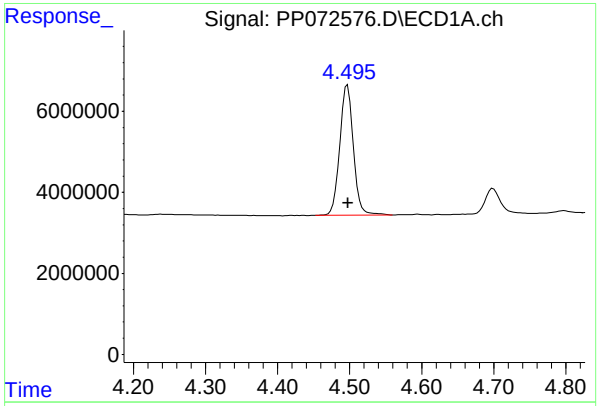
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:30 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







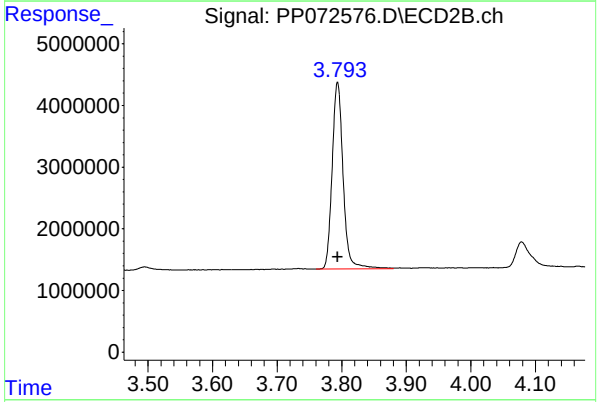
#1 Tetrachloro-m-xylene

R.T.: 4.497 min
Delta R.T.: -0.001 mi
Response: 42108871
Conc: 20.94 ng/m

Instrument :
ECD_P
ClientSampleId :
TP-27

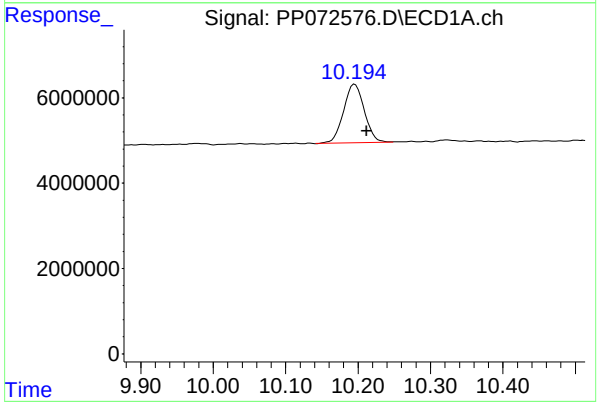
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



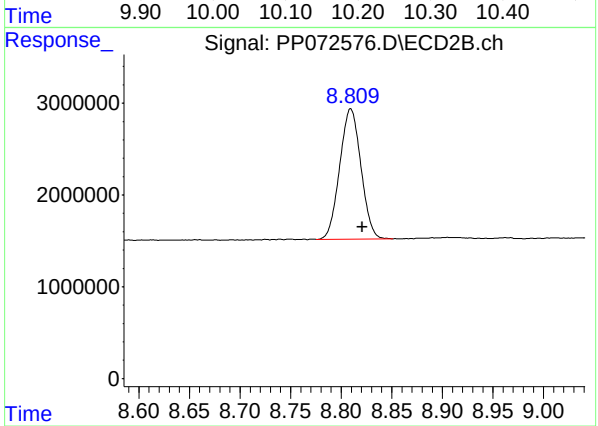
#1 Tetrachloro-m-xylene

R.T.: 3.794 min
Delta R.T.: 0.000 min
Response: 35656364
Conc: 22.31 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.194 min
Delta R.T.: -0.018 min
Response: 27406622
Conc: 16.82 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.809 min
Delta R.T.: -0.012 min
Response: 20744286
Conc: 19.60 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072577.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 19:42
Operator : YP\AJ
Sample : Q2176-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-31

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:52 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	3.795	33490815	28875660	16.655	18.066
2)	SA Decachlor...	10.199	8.810	16729583	13534892	10.269	12.786
	Target Compounds						

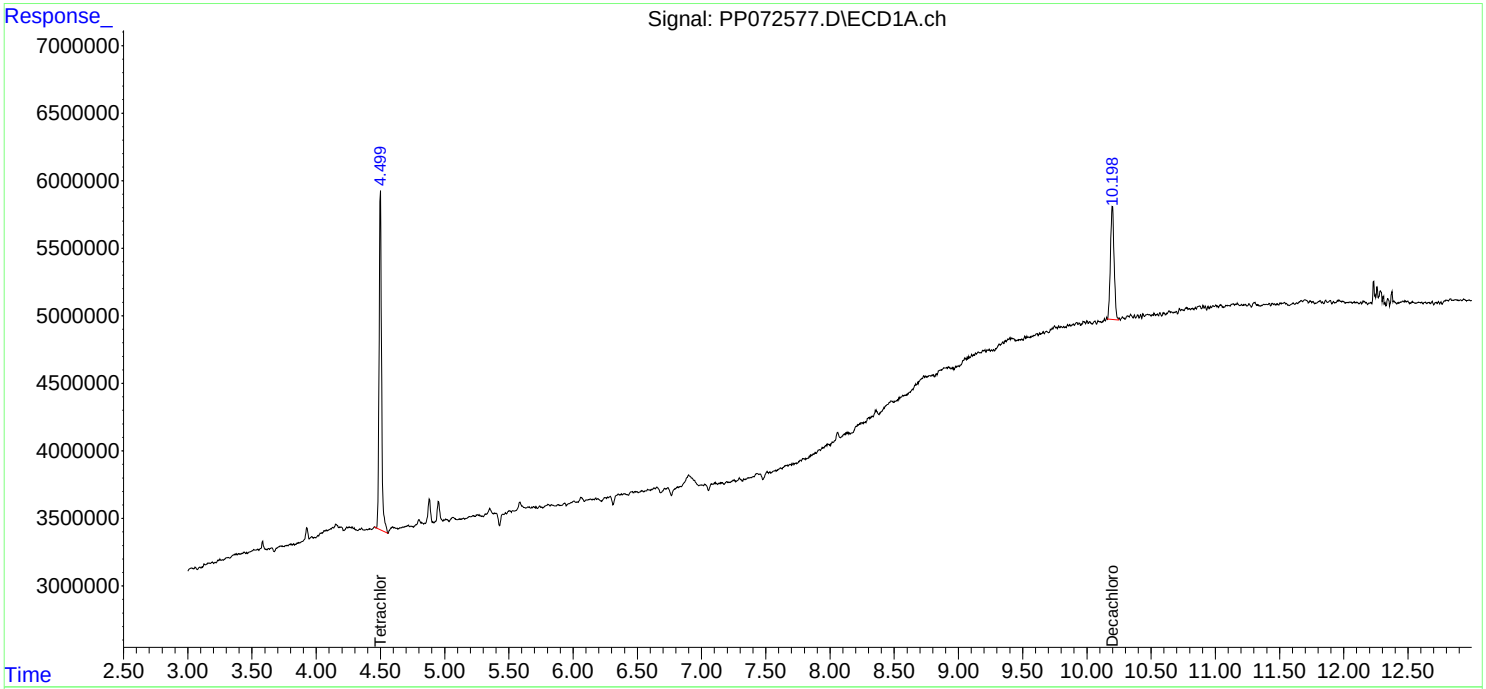
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

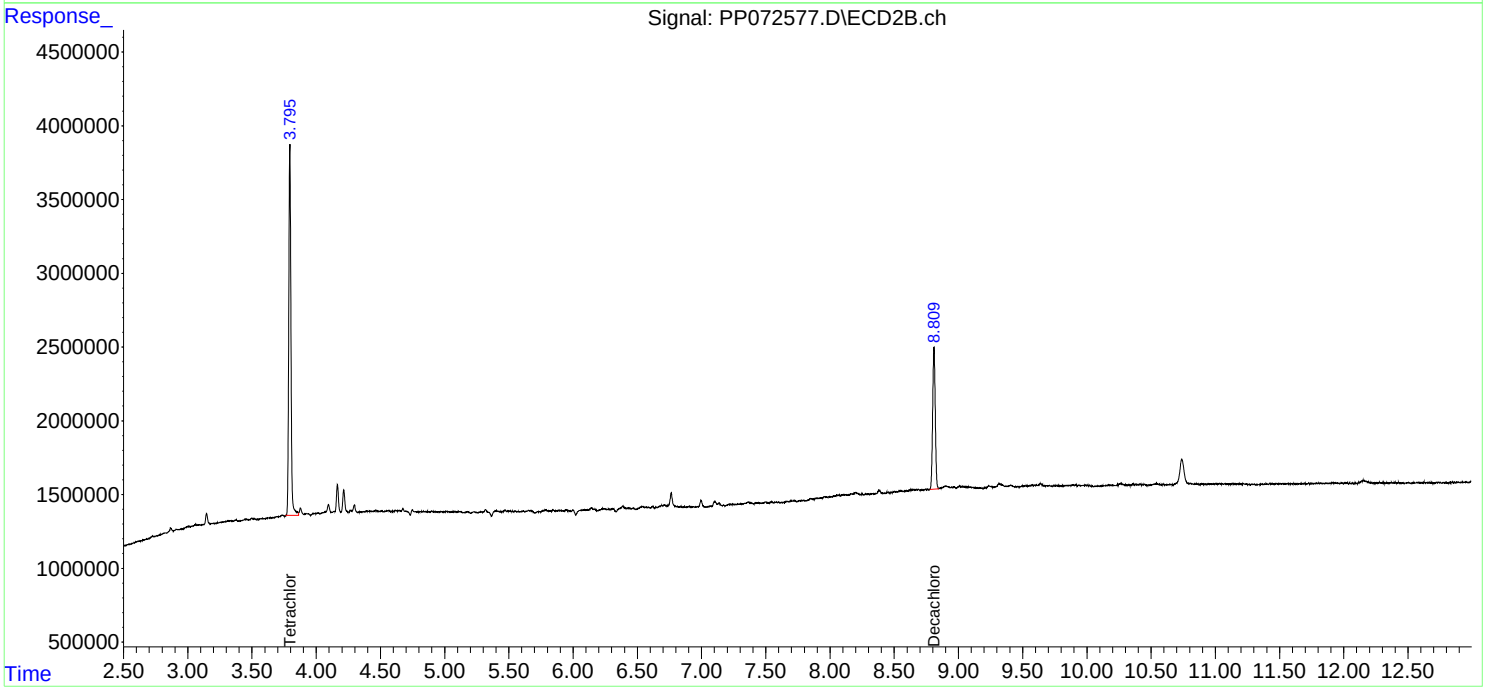
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072577.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 19:42
Operator : YP\AJ
Sample : Q2176-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

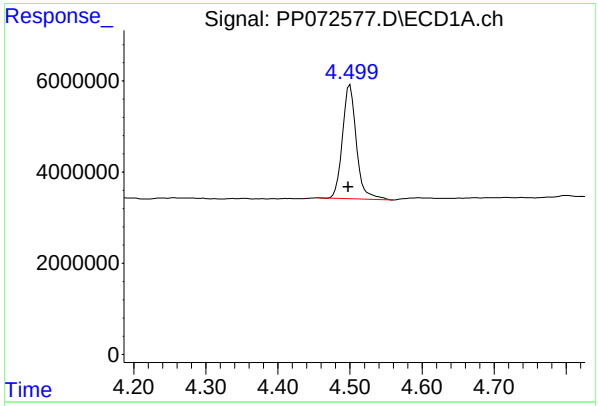
Instrument :
ECD_P
ClientSampleId :
TP-31

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:52 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



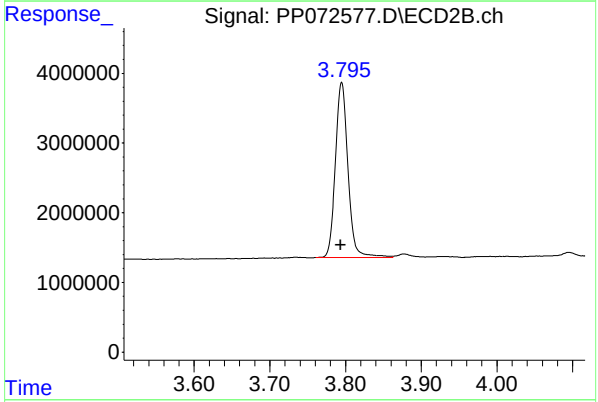




#1 Tetrachloro-m-xylene

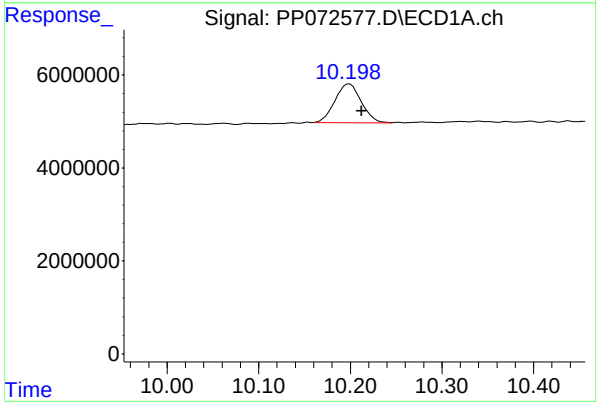
R.T.: 4.500 min
Delta R.T.: 0.002 min
Response: 33490815
Conc: 16.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-31



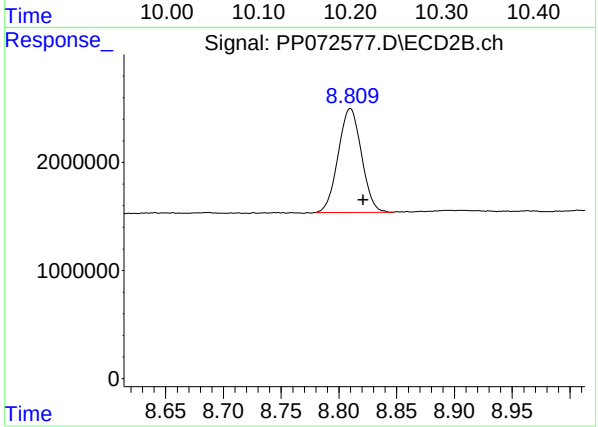
#1 Tetrachloro-m-xylene

R.T.: 3.795 min
Delta R.T.: 0.002 min
Response: 28875660
Conc: 18.07 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.199 min
Delta R.T.: -0.013 min
Response: 16729583
Conc: 10.27 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.810 min
Delta R.T.: -0.011 min
Response: 13534892
Conc: 12.79 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072578.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 19:59
Operator : YP\AJ
Sample : Q2176-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-65

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:37:11 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...	4.499	3.795	40744169	33873248	20.263	21.193
2)	SA Decachlor...	10.198	8.810	24535157	18609403	15.060	17.579
	Target Compounds						

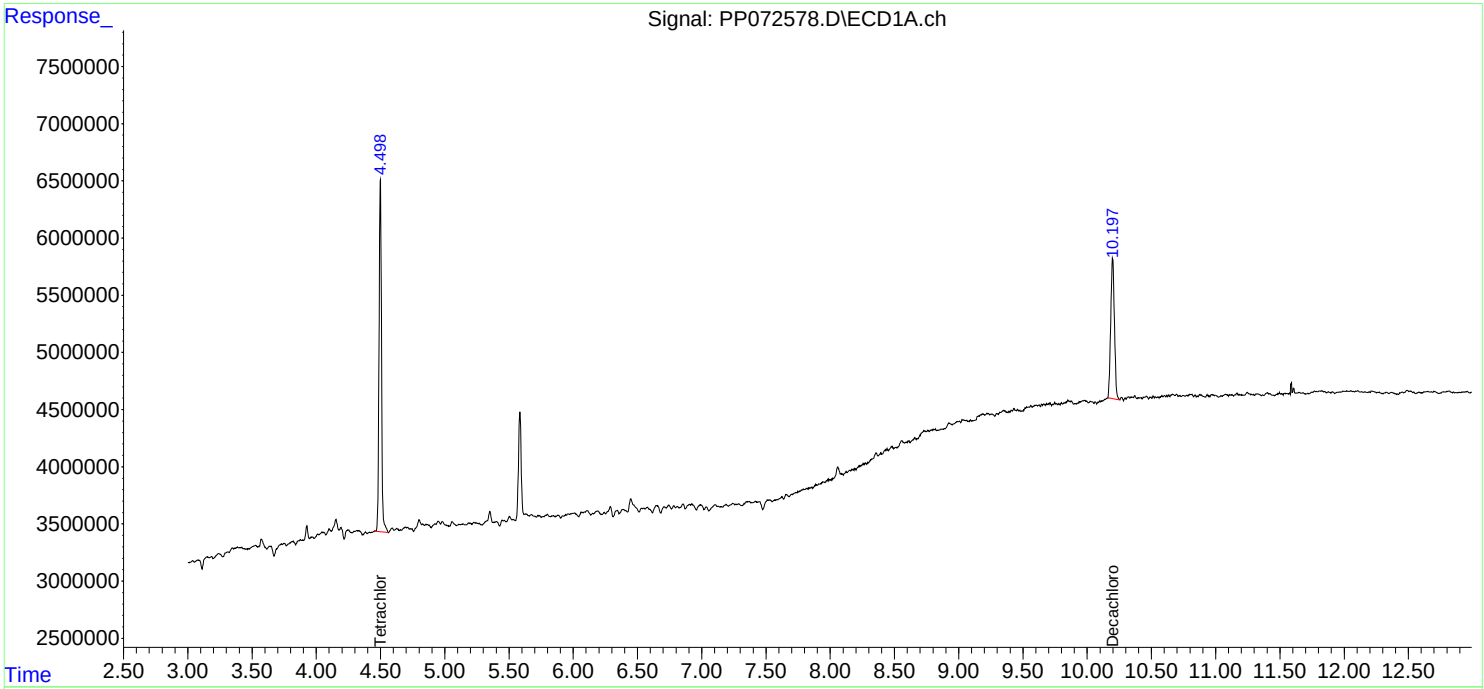
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

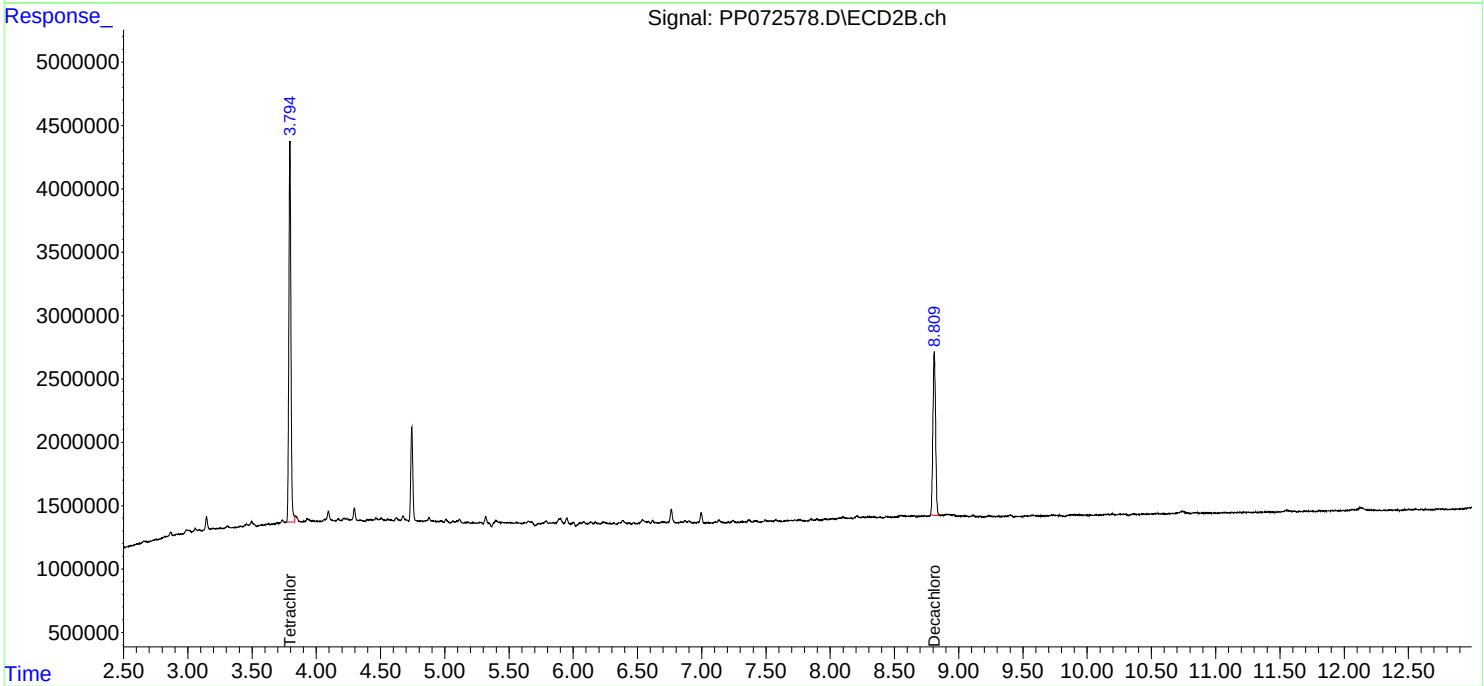
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072578.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 19:59
Operator : YP\AJ
Sample : Q2176-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

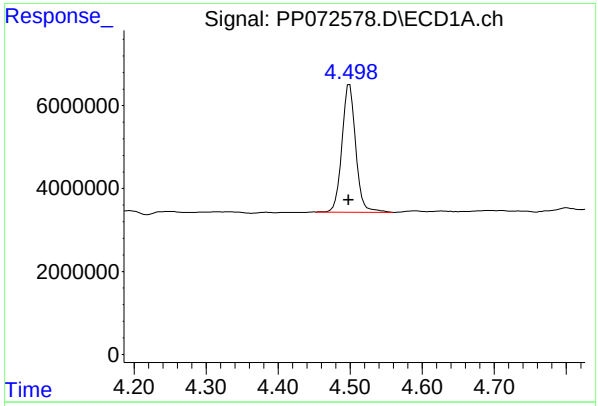
Instrument :
ECD_P
ClientSampleId :
TP-65

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:37:11 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



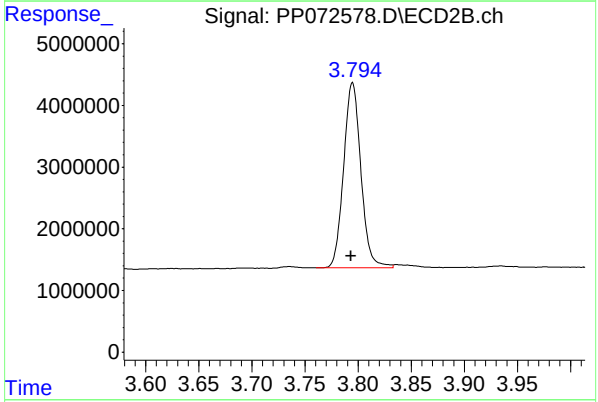




#1 Tetrachloro-m-xylene

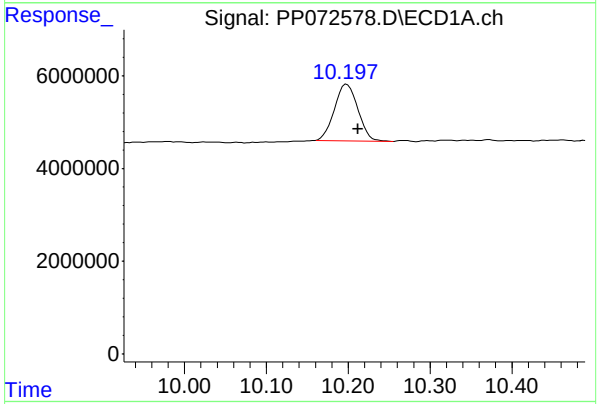
R.T.: 4.499 min
Delta R.T.: 0.001 min
Response: 40744169
Conc: 20.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-65



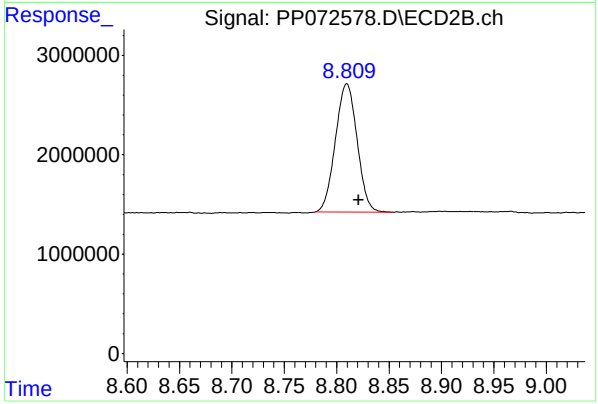
#1 Tetrachloro-m-xylene

R.T.: 3.795 min
Delta R.T.: 0.001 min
Response: 33873248
Conc: 21.19 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.198 min
Delta R.T.: -0.014 min
Response: 24535157
Conc: 15.06 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.810 min
Delta R.T.: -0.011 min
Response: 18609403
Conc: 17.58 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072558.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 13:28
Operator : YP\AJ
Sample : PB168252BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 03 14:08:08 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 :
PB168252BL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.500	3.794	39017773	33662485	19.404	21.061
2)	SA Decachlor...	10.200	8.809	33339459	23871164	20.465m	22.550m
	Target Compounds						

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

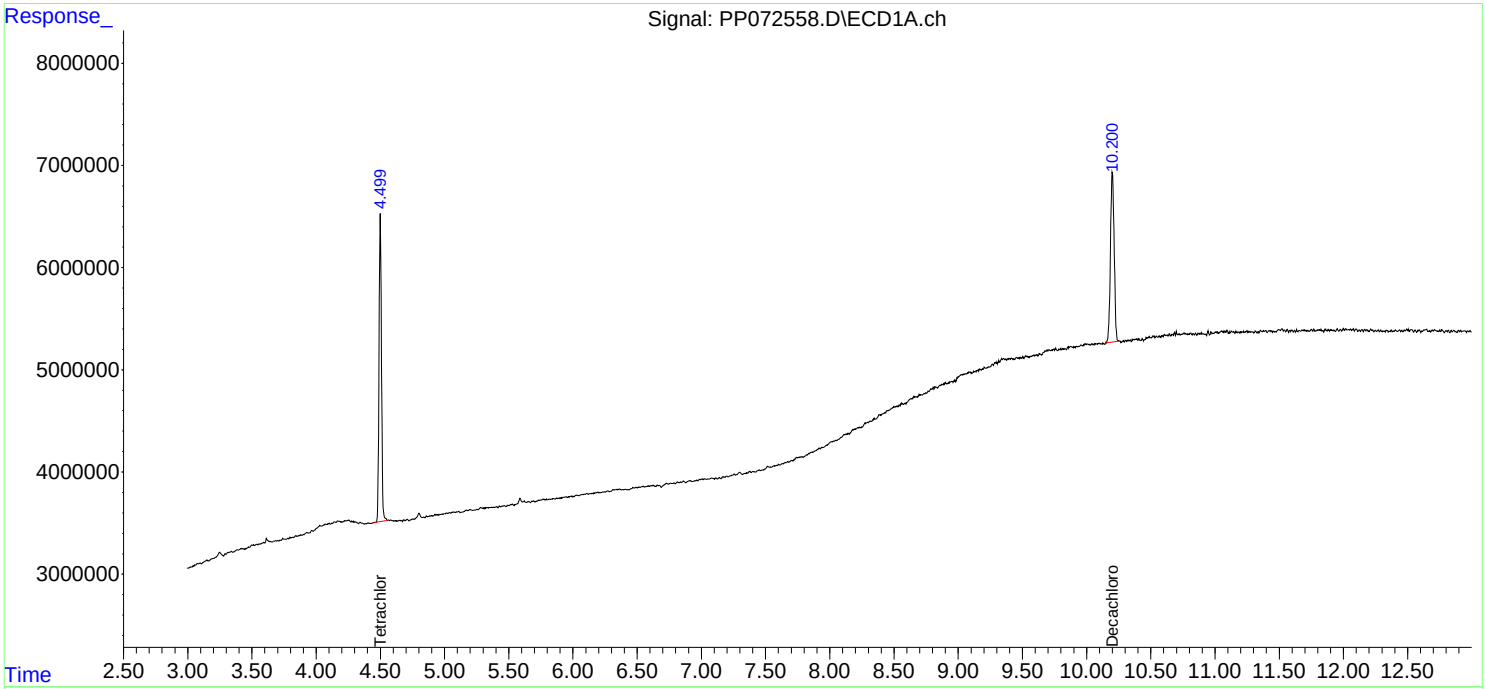
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072558.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 13:28
Operator : YP\AJ
Sample : PB168252BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

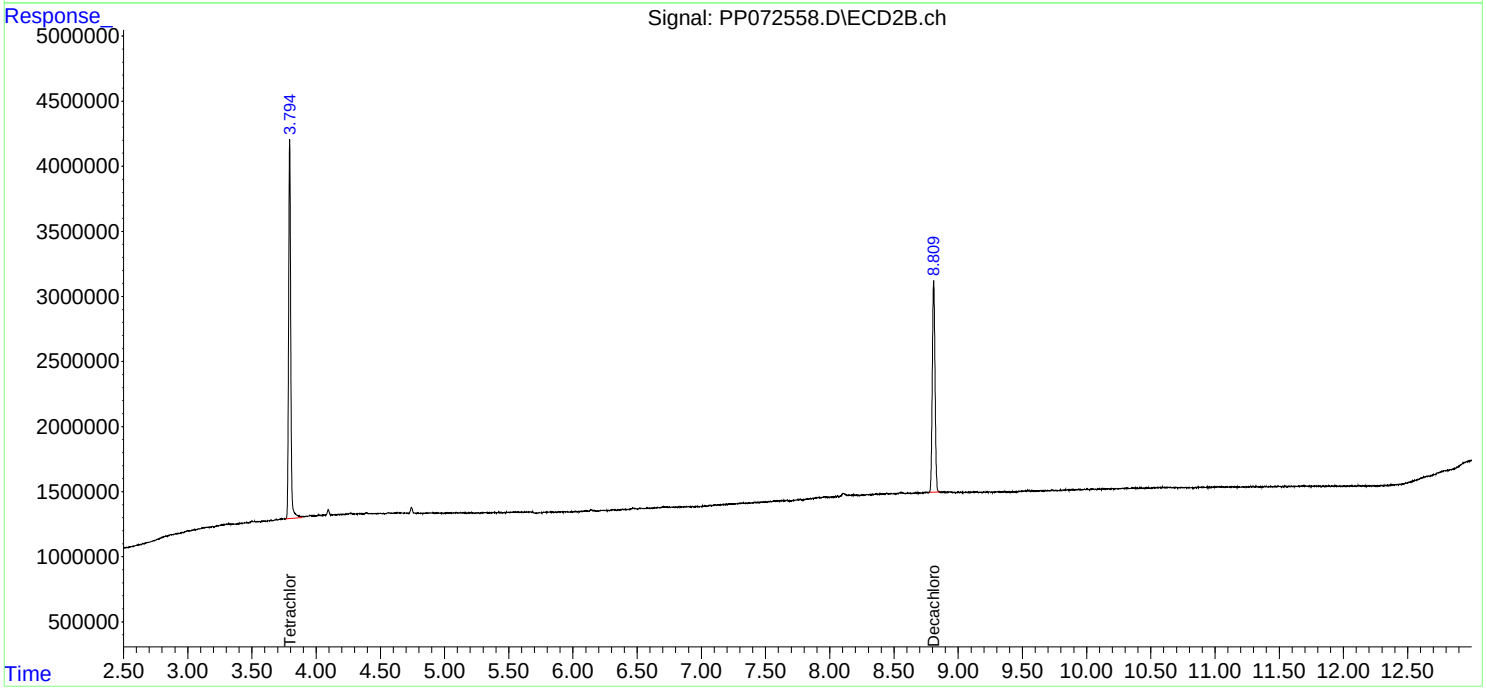
Instrument :
ECD_P
ClientSampleId :
PB168252BL

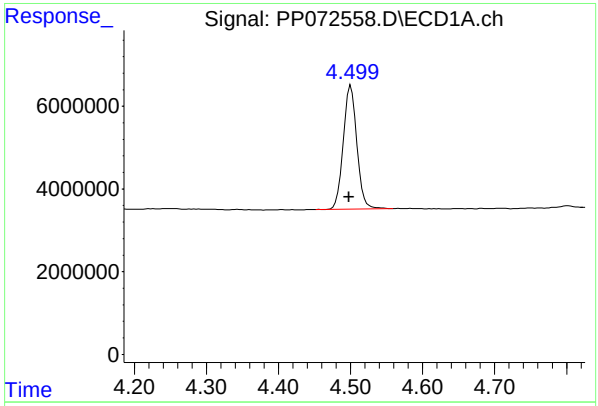
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 03 14:08:08 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







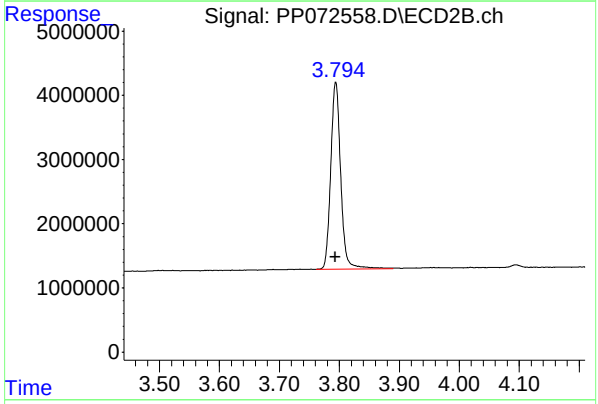
#1 Tetrachloro-m-xylene

R.T.: 4.500 min
Delta R.T.: 0.002 mi
Response: 39017773
Conc: 19.40 ng/m

Instrument :
ECD_P
ClientSampleId :
PB168252BL

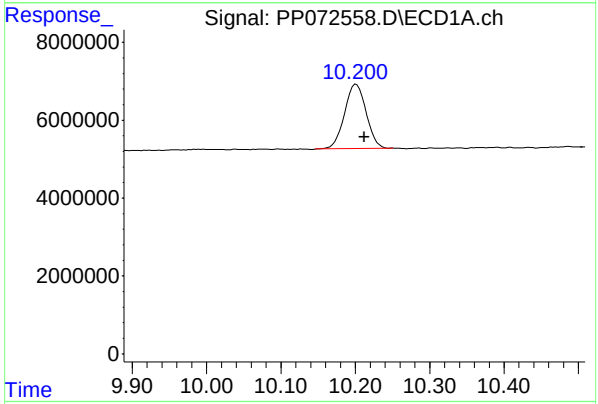
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



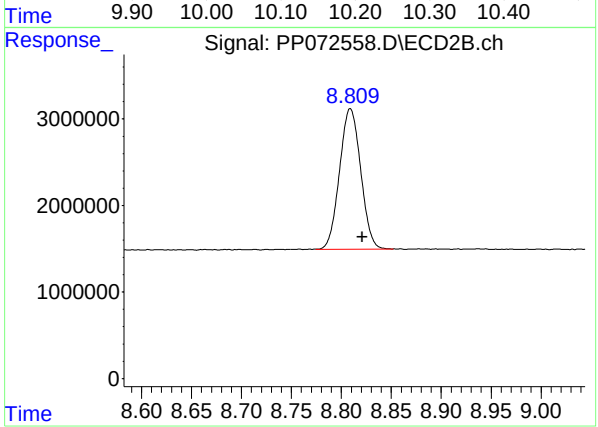
#1 Tetrachloro-m-xylene

R.T.: 3.794 min
Delta R.T.: 0.000 min
Response: 33662485
Conc: 21.06 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.200 min
Delta R.T.: -0.012 min
Response: 33339459
Conc: 20.46 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.809 min
Delta R.T.: -0.013 min
Response: 23871164
Conc: 22.55 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060425\
Data File : PP072614.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 11:37
Operator : YP\AJ
Sample : PB168252BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168252BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 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 14:25:49 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	3.794	39147512	31976492	19.469	20.006
2)	SA Decachlor...	10.198	8.808	33462860	24867412	20.540	23.491m
	Target Compounds						
3)	L1 AR-1016-1	5.652	4.875	29511760	28050184	393.052	456.624
4)	L1 AR-1016-2	5.673	4.893	46043745	40857879	430.349	465.408
5)	L1 AR-1016-3	5.735	5.069	28120990	22261117	428.903	467.136
6)	L1 AR-1016-4	5.832	5.111	23309733	17784555	437.577	467.457
7)	L1 AR-1016-5	6.125	5.325	20355750	22120563	416.195	443.970
31)	L7 AR-1260-1	7.242	6.357	40988391	39524782	437.935	495.585
32)	L7 AR-1260-2	7.496	6.546	63608527	47424120	443.297	467.591
33)	L7 AR-1260-3	7.853	6.697	44060572	43662328	386.935	502.430 #
34)	L7 AR-1260-4	8.078	7.167	44067294	32551534	410.682	451.534
35)	L7 AR-1260-5	8.399	7.409	113.3E6	76778644	478.659	442.212

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060425\
Data File : PP072614.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 11:37
Operator : YP\AJ
Sample : PB168252BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

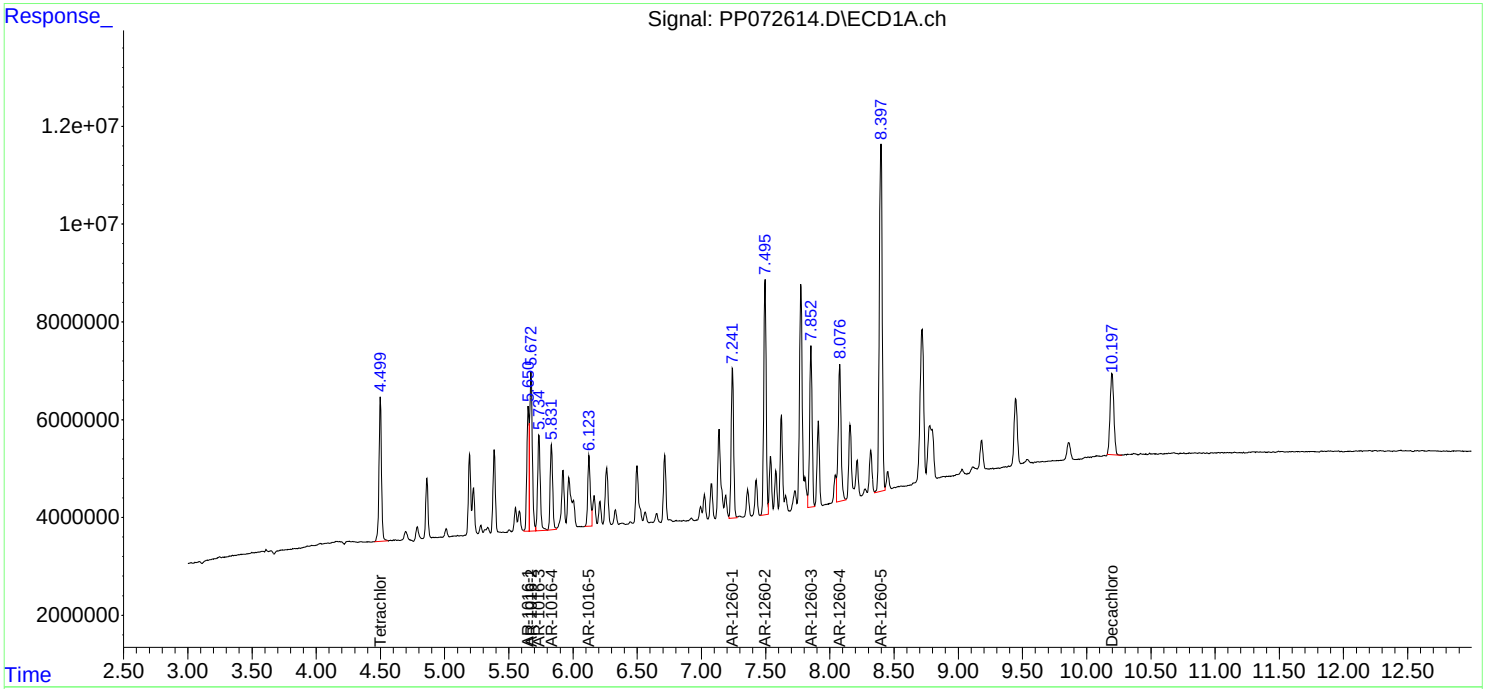
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 14:25:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

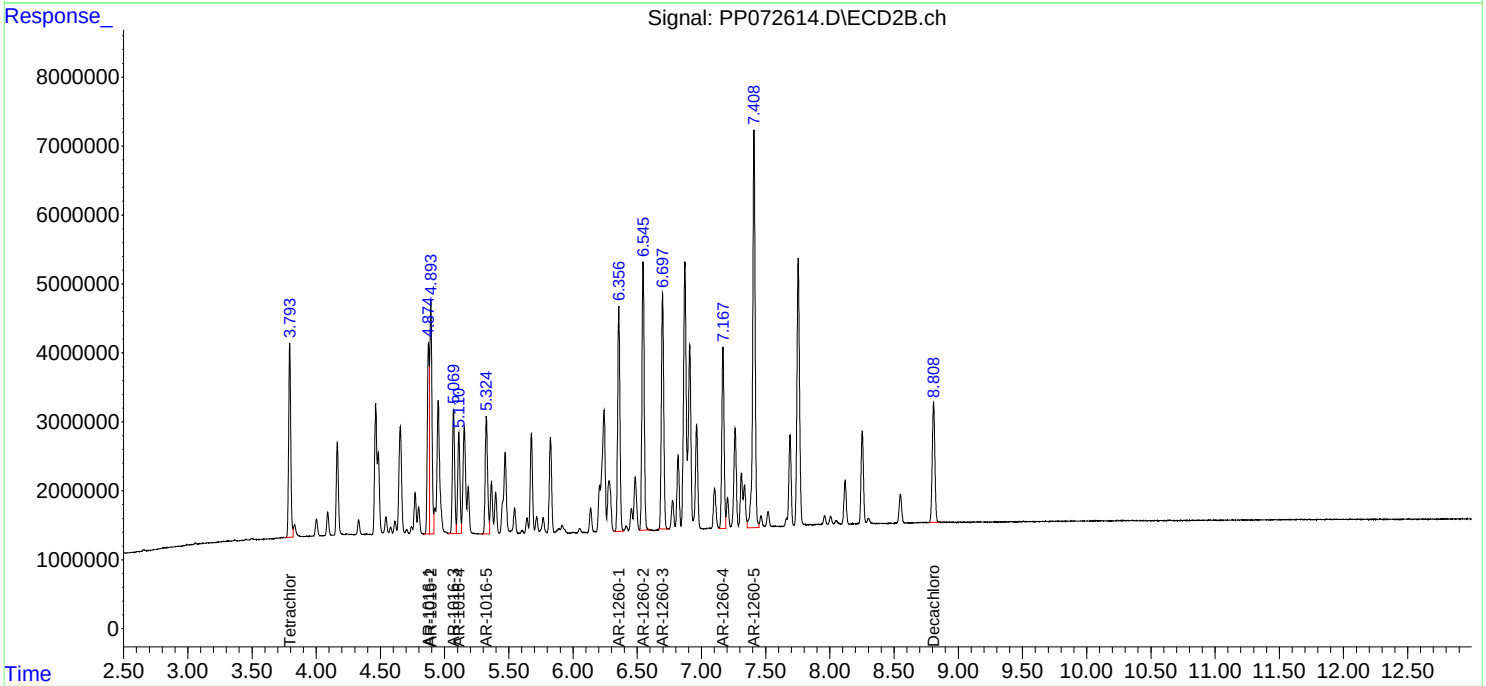
Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

Instrument :
ECD_P
ClientSampleId :
PB168252BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/05/2025
Supervised By :mohammad ahmed 06/06/2025





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072574.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 18:53
Operator : YP\AJ
Sample : Q2176-05MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-28MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:35:50 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	42938767	35678486	21.354	22.322
2)	SA Decachlor...	10.199	8.811	31510912	23545456	19.342	22.242
	Target Compounds						
3)	L1 AR-1016-1	5.652	4.877	28825899	27777887	383.917	452.191
4)	L1 AR-1016-2	5.673	4.895	44352765	40225056	414.544	458.200
5)	L1 AR-1016-3	5.735	5.071	26722687	22156711	407.576	464.945
6)	L1 AR-1016-4	5.832	5.113	22584646	17536778	423.966	460.944
7)	L1 AR-1016-5	6.125	5.327	19684210	22168214	402.464	444.927
31)	L7 AR-1260-1	7.242	6.358	40815170	38604907	436.084	484.051
32)	L7 AR-1260-2	7.495	6.548	55452283	44674886	386.455	440.484
33)	L7 AR-1260-3	7.854	6.700	38576087	40361306	338.771	464.444 #
34)	L7 AR-1260-4	8.076	7.170	40162071	29309317	374.288m	406.560
35)	L7 AR-1260-5	8.396	7.412	86378600	68250798	364.987	393.095

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

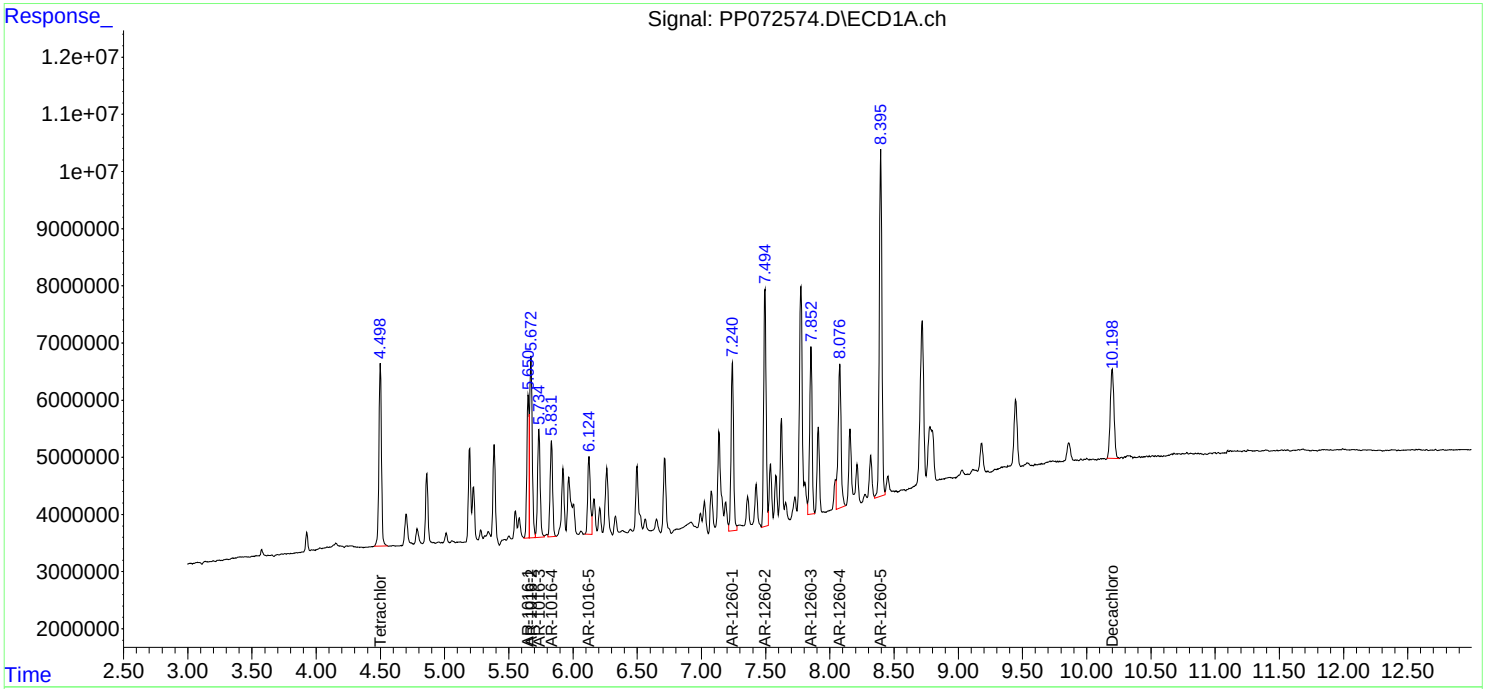
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072574.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 18:53
Operator : YP\AJ
Sample : Q2176-05MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

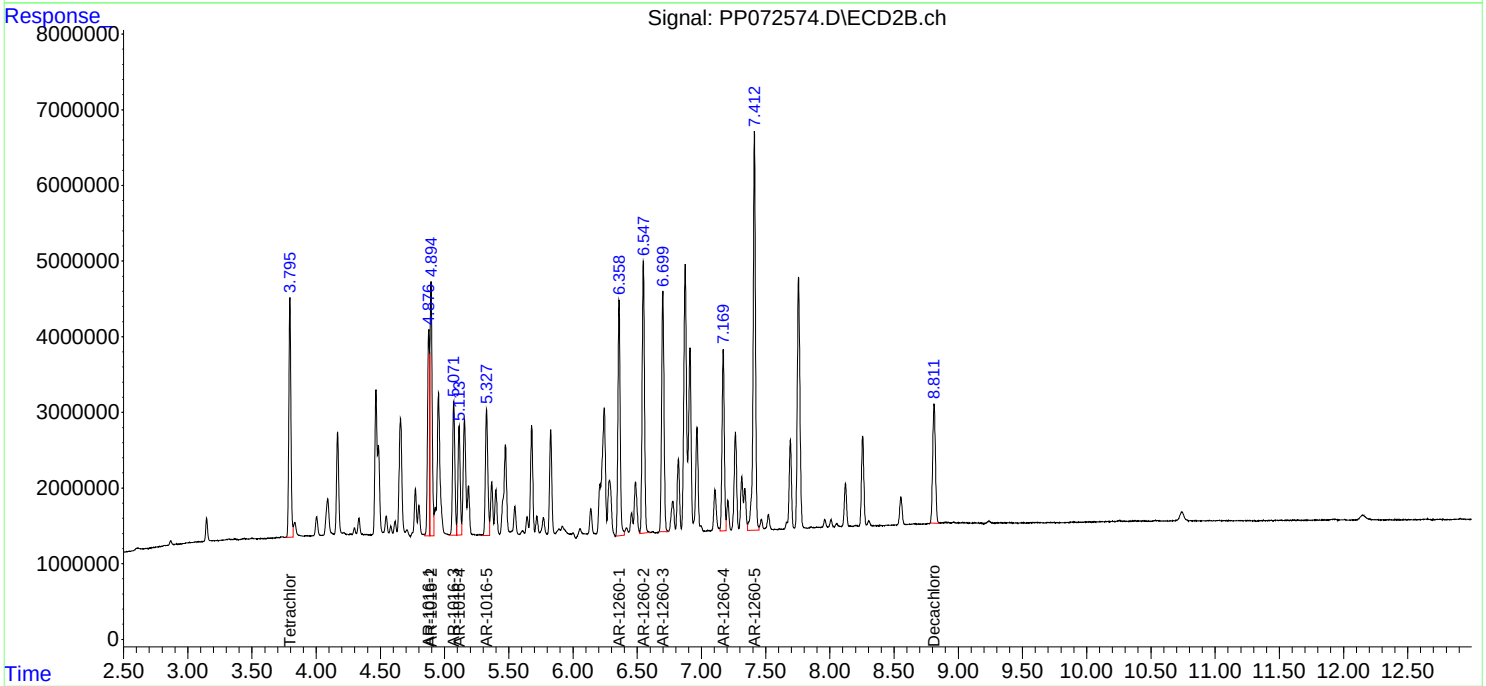
Instrument :
ECD_P
ClientSampleId :
TP-28MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:35:50 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\PP060325\
Data File : PP072575.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 19:10
Operator : YP\AJ
Sample : Q2176-05MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-28MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:09 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	3.794	37735552	31385086	18.766	19.636	
2)	SA Decachlor...	10.203	8.810	26215247	20442283	16.092	19.311	
	Target Compounds							
3)	L1 AR-1016-1	5.654	4.876	24724546	23536824	329.293	383.152	
4)	L1 AR-1016-2	5.676	4.894	37697059	33902035	352.336	386.175	
5)	L1 AR-1016-3	5.737	5.071	22925229	18698284	349.657	392.372	
6)	L1 AR-1016-4	5.835	5.113	19769235	14909186	371.114	391.880	
7)	L1 AR-1016-5	6.127	5.326	16817630	18849701	343.854	378.322	
31)	L7 AR-1260-1	7.245	6.359	33386865	33419493	356.717	419.034	
32)	L7 AR-1260-2	7.498	6.547	46848180	38518220	326.492	379.781	
33)	L7 AR-1260-3	7.857	6.699	32955315	34909171	289.410	401.706	#
34)	L7 AR-1260-4	8.081	7.169	34132244	25393700	318.093	352.245	
35)	L7 AR-1260-5	8.399	7.411	72265990	59000738	305.355	339.819	

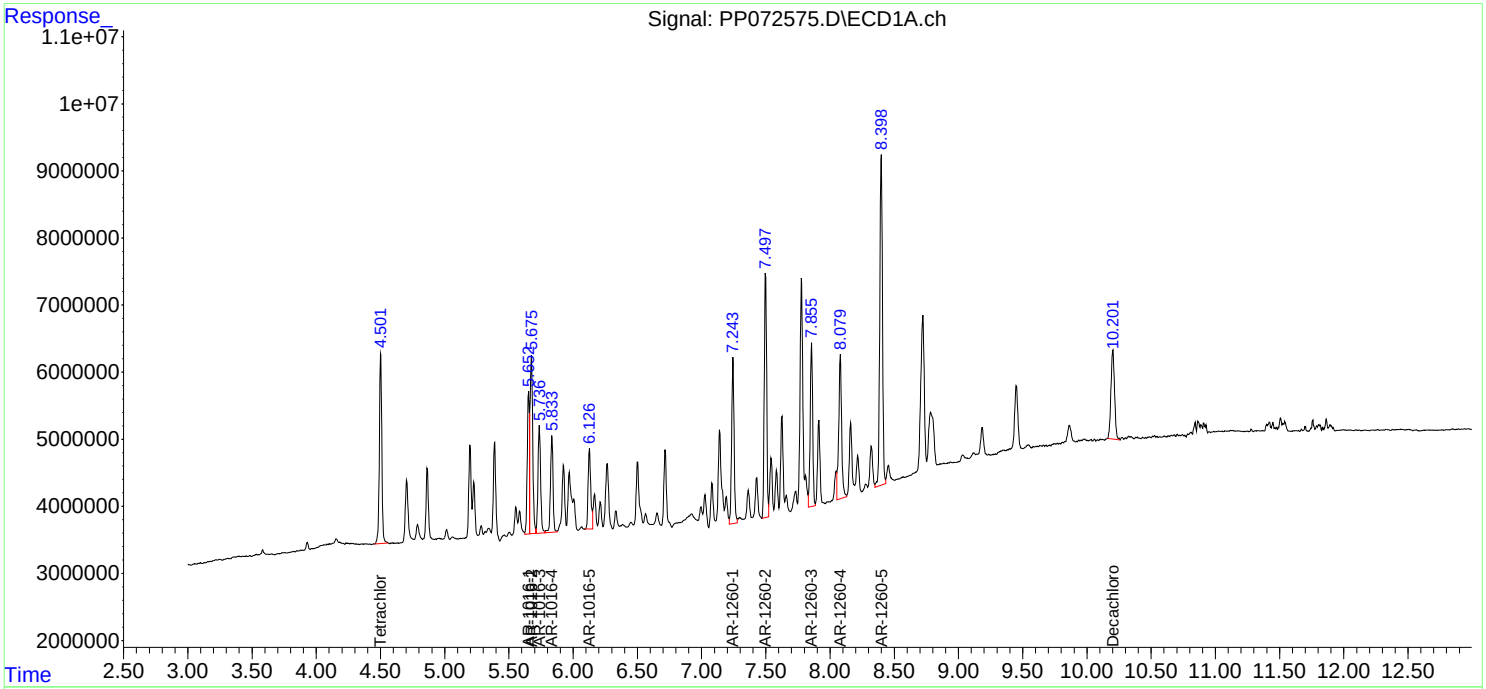
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

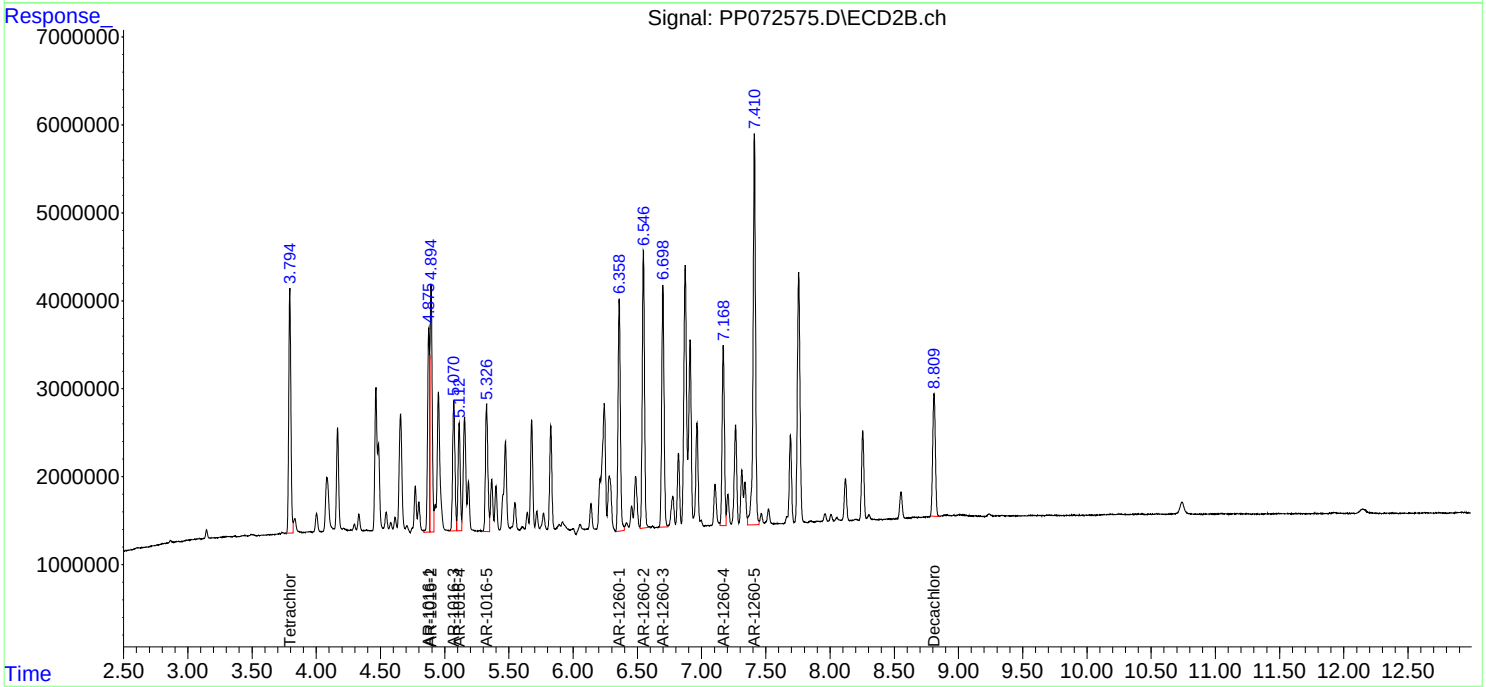
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072575.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 19:10
Operator : YP\AJ
Sample : Q2176-05MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-28MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:09 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:	PO051525	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC750	PO111059.D	AR-1260-3 #2	yogesh	5/15/2025 7:37:11 AM	mohammad	5/16/2025 1:55:32	Peak Integrated by Software
AR1660ICC250	PO111061.D	AR-1016-3	yogesh	5/15/2025 7:37:15 AM	mohammad	5/16/2025 1:55:32	Peak Integrated by Software
AR1660ICC050	PO111062.D	AR-1260-1	yogesh	5/15/2025 7:37:17 AM	mohammad	5/16/2025 1:55:32	Peak Integrated by Software
AR1660ICC050	PO111062.D	AR-1260-2	yogesh	5/15/2025 7:37:17 AM	mohammad	5/16/2025 1:55:32	Peak Integrated by Software
AR1660ICC050	PO111062.D	AR-1260-3 #2	yogesh	5/15/2025 7:37:17 AM	mohammad	5/16/2025 1:55:32	Peak Integrated by Software

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

Manual Integration Report

Sequence:	po060425	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC50 0	PO111453.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:35:43 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
AR1242CCC50 0	PO111454.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:35:46 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
AR1248CCC50 0	PO111455.D	AR-1248-3	yogesh	6/5/2025 7:35:48 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
AR1248CCC50 0	PO111455.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:35:48 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
AR1254CCC50 0	PO111456.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:35:50 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
I.BLK	PO111457.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:35:53 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
Q2176-01	PO111459.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:35:57 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
Q2176-02	PO111460.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:36:00 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
Q2176-03	PO111461.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:36:02 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
AR1660CCC50 0	PO111468.D	AR-1016-5	yogesh	6/5/2025 7:36:17 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
AR1660CCC50 0	PO111468.D	AR-1016-5 #2	yogesh	6/5/2025 7:36:17 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
AR1660CCC50 0	PO111468.D	Decachlorobiphenyl	yogesh	6/5/2025 7:36:17 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
AR1660CCC50 0	PO111468.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:36:17 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software

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Manual Integration Report

Sequence:	po060425	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PO111469.D	Decachlorobiphenyl	yogesh	6/5/2025 7:36:19 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
AR1242CCC500	PO111469.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:36:19 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
AR1248CCC500	PO111470.D	AR-1248-3	yogesh	6/5/2025 7:36:20 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
AR1248CCC500	PO111470.D	AR-1248-4 #2	yogesh	6/5/2025 7:36:20 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
AR1248CCC500	PO111470.D	Decachlorobiphenyl	yogesh	6/5/2025 7:36:20 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
AR1248CCC500	PO111470.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:36:20 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
AR1254CCC500	PO111471.D	Decachlorobiphenyl	yogesh	6/5/2025 7:36:22 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
AR1254CCC500	PO111471.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:36:22 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
I.BLK	PO111472.D	Decachlorobiphenyl	yogesh	6/5/2025 7:36:24 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
I.BLK	PO111472.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:36:24 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
AR1660CCC500	PO111477.D	AR-1016-5	yogesh	6/5/2025 7:36:32 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
AR1660CCC500	PO111477.D	AR-1016-5 #2	yogesh	6/5/2025 7:36:32 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
AR1660CCC500	PO111477.D	Decachlorobiphenyl	yogesh	6/5/2025 7:36:32 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software

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

Manual Integration Report

Sequence:	po060425	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC50 0	PO111477.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:36:32 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
AR1242CCC50 0	PO111478.D	AR-1242-3 #2	yogesh	6/5/2025 7:36:34 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
AR1242CCC50 0	PO111478.D	Decachlorobiphenyl	yogesh	6/5/2025 7:36:34 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
AR1242CCC50 0	PO111478.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:36:34 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
AR1248CCC50 0	PO111479.D	AR-1248-3	yogesh	6/5/2025 7:36:36 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
AR1248CCC50 0	PO111479.D	AR-1248-4 #2	yogesh	6/5/2025 7:36:36 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
AR1248CCC50 0	PO111479.D	Decachlorobiphenyl	yogesh	6/5/2025 7:36:36 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
AR1248CCC50 0	PO111479.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:36:36 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
AR1254CCC50 0	PO111480.D	Decachlorobiphenyl	yogesh	6/5/2025 7:36:38 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
AR1254CCC50 0	PO111480.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:36:38 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
I.BLK	PO111481.D	Decachlorobiphenyl	yogesh	6/5/2025 7:36:39 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software
I.BLK	PO111481.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:36:39 AM	mohammad	6/6/2025 2:01:29	Peak Integrated by Software

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

Manual Integration Report

Sequence:	po060425	Instrument	ECD_o

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:	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

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Manual Integration Report

Sequence:	PP060325	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP072553.D	Decachlorobiphenyl	yogesh	6/4/2025 7:42:40 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1660CCC500	PP072553.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:42:40 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1242CCC500	PP072554.D	Decachlorobiphenyl	yogesh	6/4/2025 7:42:42 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1242CCC500	PP072554.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:42:42 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1248CCC500	PP072555.D	Decachlorobiphenyl	yogesh	6/4/2025 7:42:43 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1248CCC500	PP072555.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:42:43 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1254CCC500	PP072556.D	Decachlorobiphenyl	yogesh	6/4/2025 7:42:48 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1254CCC500	PP072556.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:42:48 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
I.BLK	PP072557.D	Decachlorobiphenyl	yogesh	6/4/2025 7:42:50 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
I.BLK	PP072557.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:42:50 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
PB168252BL	PP072558.D	Decachlorobiphenyl	yogesh	6/4/2025 7:42:53 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
PB168252BL	PP072558.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:42:53 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
Q2176-04	PP072567.D	Tetrachloro-m-xylene	yogesh	6/4/2025 7:43:06 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP060325	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP072568.D	Decachlorobiphenyl	yogesh	6/4/2025 7:43:07 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1660CCC500	PP072568.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:43:07 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1242CCC500	PP072569.D	Decachlorobiphenyl	yogesh	6/4/2025 7:43:09 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1248CCC500	PP072570.D	Decachlorobiphenyl	yogesh	6/4/2025 7:43:11 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1248CCC500	PP072570.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:43:11 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1254CCC500	PP072571.D	Decachlorobiphenyl	yogesh	6/4/2025 7:43:12 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1254CCC500	PP072571.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:43:12 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
I.BLK	PP072572.D	Decachlorobiphenyl	yogesh	6/4/2025 7:43:14 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
Q2176-05MS	PP072574.D	AR-1260-4	yogesh	6/4/2025 7:43:16 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
Q2176-06	PP072576.D	Decachlorobiphenyl	yogesh	6/4/2025 9:52:53 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
Q2176-06	PP072576.D	Decachlorobiphenyl #2	yogesh	6/4/2025 9:52:53 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1660CCC500	PP072583.D	Decachlorobiphenyl	yogesh	6/4/2025 7:43:58 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1660CCC500	PP072583.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:43:58 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP060325	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP072584.D	Decachlorobiphenyl	yogesh	6/4/2025 7:44:01 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1242CCC500	PP072584.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:44:01 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1248CCC500	PP072585.D	Decachlorobiphenyl	yogesh	6/4/2025 7:44:02 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1248CCC500	PP072585.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:44:02 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1254CCC500	PP072586.D	Decachlorobiphenyl	yogesh	6/4/2025 7:44:04 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1254CCC500	PP072586.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:44:04 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
I.BLK	PP072587.D	Decachlorobiphenyl	yogesh	6/4/2025 7:44:06 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
I.BLK	PP072587.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:44:06 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1660CCC500	PP072598.D	Decachlorobiphenyl	yogesh	6/4/2025 7:44:24 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1660CCC500	PP072598.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:44:24 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1242CCC500	PP072599.D	Decachlorobiphenyl	yogesh	6/4/2025 7:44:25 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1242CCC500	PP072599.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:44:25 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1248CCC500	PP072600.D	Decachlorobiphenyl	yogesh	6/4/2025 7:44:27 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software

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Sequence:	PP060325	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248CCC500	PP072600.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:44:27 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1254CCC500	PP072601.D	Decachlorobiphenyl	yogesh	6/4/2025 7:44:29 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1254CCC500	PP072601.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:44:29 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
I.BLK	PP072602.D	Decachlorobiphenyl	yogesh	6/4/2025 7:44:31 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
I.BLK	PP072602.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:44:31 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP060425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC50 0	PP072604.D	AR-1260-3 #2	yogesh	6/5/2025 7:31:30 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1660CCC50 0	PP072604.D	Decachlorobiphenyl	yogesh	6/5/2025 7:31:30 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1660CCC50 0	PP072604.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:31:30 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1242CCC50 0	PP072605.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:31:32 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1248CCC50 0	PP072606.D	Decachlorobiphenyl	yogesh	6/5/2025 7:31:33 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1248CCC50 0	PP072606.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:31:33 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1254CCC50 0	PP072607.D	Decachlorobiphenyl	yogesh	6/5/2025 7:31:35 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1254CCC50 0	PP072607.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:31:35 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
I.BLK	PP072608.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:31:37 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
PB168252BS	PP072614.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:33:22 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1660CCC50 0	PP072619.D	AR-1260-3 #2	yogesh	6/5/2025 7:33:36 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1660CCC50 0	PP072619.D	Decachlorobiphenyl	yogesh	6/5/2025 7:33:36 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1660CCC50 0	PP072619.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:33:36 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP060425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP072620.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:33:38 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1248CCC500	PP072621.D	Decachlorobiphenyl	yogesh	6/5/2025 7:33:41 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1248CCC500	PP072621.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:33:41 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1254CCC500	PP072622.D	Decachlorobiphenyl	yogesh	6/5/2025 7:33:43 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1254CCC500	PP072622.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:33:43 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1248CCC500	PP072636.D	Decachlorobiphenyl	yogesh	6/5/2025 7:34:03 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1248CCC500	PP072636.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:34:03 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1254CCC500	PP072637.D	Decachlorobiphenyl	yogesh	6/5/2025 7:34:05 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1254CCC500	PP072637.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:34:05 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
I.BLK	PP072638.D	Decachlorobiphenyl	yogesh	6/5/2025 7:34:07 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
I.BLK	PP072638.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:34:07 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1660CCC500	PP072641.D	AR-1260-3 #2	yogesh	6/5/2025 7:34:14 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1660CCC500	PP072641.D	Decachlorobiphenyl	yogesh	6/5/2025 7:34:14 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP060425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP072641.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:34:14 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1242CCC500	PP072642.D	Decachlorobiphenyl	yogesh	6/5/2025 7:34:15 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1242CCC500	PP072642.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:34:15 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1248CCC500	PP072643.D	Decachlorobiphenyl	yogesh	6/5/2025 7:34:17 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1248CCC500	PP072643.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:34:17 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1254CCC500	PP072644.D	Decachlorobiphenyl	yogesh	6/5/2025 7:34:19 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1254CCC500	PP072644.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:34:19 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
I.BLK	PP072645.D	Decachlorobiphenyl	yogesh	6/5/2025 7:34:21 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
I.BLK	PP072645.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:34:21 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO051525

Review By	yogesh	Review On	5/14/2025 3:39:03 PM		
Supervise By	mohammad	Supervise On	5/16/2025 1:55:32 AM		
SubDirectory	PO051525	HP Acquire Method		HP Processing Method	PO051525

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	PO111056.D	14 May 2025 16:43	YP/AJ	Ok
2	I.BLK	PO111057.D	14 May 2025 17:01	YP/AJ	Ok
3	AR1660ICC1000	PO111058.D	14 May 2025 17:19	YP/AJ	Ok
4	AR1660ICC750	PO111059.D	14 May 2025 17:38	YP/AJ	Ok,M
5	AR1660ICC500	PO111060.D	14 May 2025 17:56	YP/AJ	Ok
6	AR1660ICC250	PO111061.D	14 May 2025 18:15	YP/AJ	Ok,M
7	AR1660ICC050	PO111062.D	14 May 2025 18:33	YP/AJ	Ok,M
8	AR1221ICC500	PO111063.D	14 May 2025 18:51	YP/AJ	Ok
9	AR1232ICC500	PO111064.D	14 May 2025 19:10	YP/AJ	Ok
10	AR1242ICC1000	PO111065.D	14 May 2025 19:28	YP/AJ	Ok
11	AR1242ICC750	PO111066.D	14 May 2025 19:46	YP/AJ	Ok
12	AR1242ICC500	PO111067.D	14 May 2025 20:05	YP/AJ	Ok
13	AR1242ICC250	PO111068.D	14 May 2025 20:23	YP/AJ	Ok
14	AR1242ICC050	PO111069.D	14 May 2025 20:41	YP/AJ	Ok
15	AR1248ICC1000	PO111070.D	14 May 2025 21:00	YP/AJ	Ok
16	AR1248ICC750	PO111071.D	14 May 2025 21:18	YP/AJ	Ok
17	AR1248ICC500	PO111072.D	14 May 2025 21:37	YP/AJ	Ok
18	AR1248ICC250	PO111073.D	14 May 2025 21:54	YP/AJ	Ok
19	AR1248ICC050	PO111074.D	14 May 2025 22:12	YP/AJ	Ok
20	AR1254ICC1000	PO111075.D	14 May 2025 22:31	YP/AJ	Ok
21	AR1254ICC750	PO111076.D	14 May 2025 22:49	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO051525

Review By	yogesh	Review On	5/14/2025 3:39:03 PM		
Supervise By	mohammad	Supervise On	5/16/2025 1:55:32 AM		
SubDirectory	PO051525	HP Acquire Method		HP Processing Method	PO051525

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	AR1254ICC500	PO111077.D	14 May 2025 23:06	YP/AJ	Ok
23	AR1254ICC250	PO111078.D	14 May 2025 23:25	YP/AJ	Ok
24	AR1254ICC050	PO111079.D	14 May 2025 23:43	YP/AJ	Ok
25	AR1262ICC500	PO111080.D	15 May 2025 00:01	YP/AJ	Ok
26	AR1268ICC1000	PO111081.D	15 May 2025 00:19	YP/AJ	Ok
27	AR1268ICC750	PO111082.D	15 May 2025 00:37	YP/AJ	Ok
28	AR1268ICC500	PO111083.D	15 May 2025 00:56	YP/AJ	Ok
29	AR1268ICC250	PO111084.D	15 May 2025 01:14	YP/AJ	Ok
30	AR1268ICC050	PO111085.D	15 May 2025 01:31	YP/AJ	Ok
31	PO051525ICV500	PO111086.D	15 May 2025 01:50	YP/AJ	Ok
32	AR1242ICV500	PO111087.D	15 May 2025 02:26	YP/AJ	Ok
33	AR1248ICV500	PO111088.D	15 May 2025 03:03	YP/AJ	Ok
34	AR1254ICV500	PO111089.D	15 May 2025 03:40	YP/AJ	Ok
35	AR1268ICV500	PO111090.D	15 May 2025 04:17	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO060425

Review By	yogesh	Review On	6/4/2025 10:15:40 AM		
Supervise By	mohammad	Supervise On	6/6/2025 2:01:29 AM		
SubDirectory	PO060425	HP Acquire Method		HP Processing Method	PO051525

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	PO111452.D	04 Jun 2025 08:39	YP/AJ	Ok
2	AR1660CCC500	PO111453.D	04 Jun 2025 08:57	YP/AJ	Ok,M
3	AR1242CCC500	PO111454.D	04 Jun 2025 09:18	YP/AJ	Ok,M
4	AR1248CCC500	PO111455.D	04 Jun 2025 09:36	YP/AJ	Ok,M
5	AR1254CCC500	PO111456.D	04 Jun 2025 09:54	YP/AJ	Ok,M
6	I.BLK	PO111457.D	04 Jun 2025 10:13	YP/AJ	Ok,M
7	Q2175-01	PO111458.D	04 Jun 2025 10:31	YP/AJ	Ok,M
8	Q2176-01	PO111459.D	04 Jun 2025 10:49	YP/AJ	Ok,M
9	Q2176-02	PO111460.D	04 Jun 2025 11:08	YP/AJ	Ok,M
10	Q2176-03	PO111461.D	04 Jun 2025 11:26	YP/AJ	Ok,M
11	Q2175-06RE	PO111462.D	04 Jun 2025 11:50	YP/AJ	Confirms
12	Q2171-02	PO111463.D	04 Jun 2025 12:57	YP/AJ	Ok,M
13	Q2171-03	PO111464.D	04 Jun 2025 13:15	YP/AJ	Ok,M
14	Q2193-01	PO111465.D	04 Jun 2025 13:33	YP/AJ	Ok,M
15	Q2193-02	PO111466.D	04 Jun 2025 13:51	YP/AJ	Ok,M
16	Q2193-03	PO111467.D	04 Jun 2025 14:09	YP/AJ	Ok,M
17	AR1660CCC500	PO111468.D	04 Jun 2025 15:23	YP/AJ	Ok,M
18	AR1242CCC500	PO111469.D	04 Jun 2025 15:41	YP/AJ	Ok,M
19	AR1248CCC500	PO111470.D	04 Jun 2025 15:59	YP/AJ	Ok,M
20	AR1254CCC500	PO111471.D	04 Jun 2025 16:18	YP/AJ	Ok,M
21	I.BLK	PO111472.D	04 Jun 2025 16:35	YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO060425

Review By	yogesh	Review On	6/4/2025 10:15:40 AM		
Supervise By	mohammad	Supervise On	6/6/2025 2:01:29 AM		
SubDirectory	PO060425	HP Acquire Method		HP Processing Method	PO051525

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	Q2198-03	PO111473.D	04 Jun 2025 16:52	YP/AJ	Ok,M
23	Q2199-01	PO111474.D	04 Jun 2025 17:10	YP/AJ	Ok,M
24	Q2199-03	PO111475.D	04 Jun 2025 17:28	YP/AJ	Ok,M
25	Q2199-05	PO111476.D	04 Jun 2025 17:45	YP/AJ	Ok,M
26	AR1660CCC500	PO111477.D	04 Jun 2025 18:57	YP/AJ	Ok,M
27	AR1242CCC500	PO111478.D	04 Jun 2025 19:33	YP/AJ	Ok,M
28	AR1248CCC500	PO111479.D	04 Jun 2025 19:50	YP/AJ	Ok,M
29	AR1254CCC500	PO111480.D	04 Jun 2025 20:08	YP/AJ	Ok,M
30	I.BLK	PO111481.D	04 Jun 2025 20:27	YP/AJ	Ok,M

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,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,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	

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 # PP060325

Review By	yogesh	Review On	6/3/2025 11:21:30 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:35:08 AM		
SubDirectory	PP060325	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	PP072552.D	03 Jun 2025 10:06	YP\AJ	Ok
2	AR1660CCC500	PP072553.D	03 Jun 2025 10:22	YP\AJ	Ok,M
3	AR1242CCC500	PP072554.D	03 Jun 2025 10:39	YP\AJ	Ok,M
4	AR1248CCC500	PP072555.D	03 Jun 2025 10:55	YP\AJ	Ok,M
5	AR1254CCC500	PP072556.D	03 Jun 2025 11:11	YP\AJ	Ok,M
6	I.BLK	PP072557.D	03 Jun 2025 11:27	YP\AJ	Ok,M
7	PB168252BL	PP072558.D	03 Jun 2025 13:28	YP\AJ	Ok,M
8	PB168252BS	PP072559.D	03 Jun 2025 13:44	YP\AJ	Not Ok
9	Q2168-01	PP072560.D	03 Jun 2025 14:00	YP\AJ	Dilution
10	Q2168-05	PP072561.D	03 Jun 2025 14:16	YP\AJ	Dilution
11	Q2168-09	PP072562.D	03 Jun 2025 14:33	YP\AJ	Dilution
12	Q2175-01	PP072563.D	03 Jun 2025 14:49	YP\AJ	Not Ok
13	Q2176-01	PP072564.D	03 Jun 2025 15:05	YP\AJ	Not Ok
14	Q2176-02	PP072565.D	03 Jun 2025 15:22	YP\AJ	Not Ok
15	Q2176-03	PP072566.D	03 Jun 2025 15:38	YP\AJ	Not Ok
16	Q2176-04	PP072567.D	03 Jun 2025 15:54	YP\AJ	Ok,M
17	AR1660CCC500	PP072568.D	03 Jun 2025 16:59	YP\AJ	Ok,M
18	AR1242CCC500	PP072569.D	03 Jun 2025 17:32	YP\AJ	Ok,M
19	AR1248CCC500	PP072570.D	03 Jun 2025 17:48	YP\AJ	Ok,M
20	AR1254CCC500	PP072571.D	03 Jun 2025 18:05	YP\AJ	Ok,M
21	I.BLK	PP072572.D	03 Jun 2025 18:21	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP060325

Review By	yogesh	Review On	6/3/2025 11:21:30 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:35:08 AM		
SubDirectory	PP060325	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	Q2176-05	PP072573.D	03 Jun 2025 18:37	YP\AJ	Ok
23	Q2176-05MS	PP072574.D	03 Jun 2025 18:53	YP\AJ	Ok,M
24	Q2176-05MSD	PP072575.D	03 Jun 2025 19:10	YP\AJ	Ok
25	Q2176-06	PP072576.D	03 Jun 2025 19:26	YP\AJ	Ok,M
26	Q2176-07	PP072577.D	03 Jun 2025 19:42	YP\AJ	Ok
27	Q2176-08	PP072578.D	03 Jun 2025 19:59	YP\AJ	Ok
28	Q2177-02	PP072579.D	03 Jun 2025 20:15	YP\AJ	Ok,M
29	Q2177-04	PP072580.D	03 Jun 2025 20:31	YP\AJ	Ok,M
30	Q2177-06	PP072581.D	03 Jun 2025 20:48	YP\AJ	Ok,M
31	Q2178-01	PP072582.D	03 Jun 2025 21:04	YP\AJ	Ok,M
32	AR1660CCC500	PP072583.D	03 Jun 2025 22:25	YP\AJ	Ok,M
33	AR1242CCC500	PP072584.D	03 Jun 2025 22:58	YP\AJ	Ok,M
34	AR1248CCC500	PP072585.D	03 Jun 2025 23:14	YP\AJ	Ok,M
35	AR1254CCC500	PP072586.D	03 Jun 2025 23:30	YP\AJ	Ok,M
36	I.BLK	PP072587.D	03 Jun 2025 23:47	YP\AJ	Ok,M
37	Q2185-01	PP072588.D	04 Jun 2025 00:03	YP\AJ	Ok,M
38	Q2185-05	PP072589.D	04 Jun 2025 00:19	YP\AJ	Ok,M
39	PB168257BL	PP072590.D	04 Jun 2025 00:35	YP\AJ	Ok,M
40	PB168257BS	PP072591.D	04 Jun 2025 00:52	YP\AJ	Not Ok
41	PB168257BSD	PP072592.D	04 Jun 2025 01:08	YP\AJ	Not Ok
42	Q2165-03	PP072593.D	04 Jun 2025 01:24	YP\AJ	Ok,M
43	Q2165-06	PP072594.D	04 Jun 2025 01:40	YP\AJ	Ok,M
44	Q2169-01	PP072595.D	04 Jun 2025 01:57	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP060325

Review By	yogesh	Review On	6/3/2025 11:21:30 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:35:08 AM		
SubDirectory	PP060325	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	

45	Q2169-03	PP072596.D	04 Jun 2025 02:13	YP\AJ	Ok,M
46	Q2175-04	PP072597.D	04 Jun 2025 02:29	YP\AJ	Ok,M
47	AR1660CCC500	PP072598.D	04 Jun 2025 03:51	YP\AJ	Ok,M
48	AR1242CCC500	PP072599.D	04 Jun 2025 04:23	YP\AJ	Ok,M
49	AR1248CCC500	PP072600.D	04 Jun 2025 04:40	YP\AJ	Ok,M
50	AR1254CCC500	PP072601.D	04 Jun 2025 04:56	YP\AJ	Ok,M
51	I.BLK	PP072602.D	04 Jun 2025 05:12	YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP060425

Review By	yogesh	Review On	6/4/2025 10:14:35 AM		
Supervise By	mohammad	Supervise On	6/6/2025 9:37:42 AM		
SubDirectory	PP060425	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	PP072603.D	04 Jun 2025 08:34	YP\AJ	Ok
2	AR1660CCC500	PP072604.D	04 Jun 2025 08:50	YP\AJ	Ok,M
3	AR1242CCC500	PP072605.D	04 Jun 2025 09:11	YP\AJ	Ok,M
4	AR1248CCC500	PP072606.D	04 Jun 2025 09:27	YP\AJ	Ok,M
5	AR1254CCC500	PP072607.D	04 Jun 2025 09:43	YP\AJ	Ok,M
6	I.BLK	PP072608.D	04 Jun 2025 10:00	YP\AJ	Ok,M
7	PB168257BS	PP072609.D	04 Jun 2025 10:16	YP\AJ	Ok,M
8	PB168257BSD	PP072610.D	04 Jun 2025 10:32	YP\AJ	Ok,M
9	Q2168-01DL	PP072611.D	04 Jun 2025 10:48	YP\AJ	Ok
10	Q2168-05DL	PP072612.D	04 Jun 2025 11:04	YP\AJ	Ok
11	Q2168-09DL	PP072613.D	04 Jun 2025 11:21	YP\AJ	Ok
12	PB168252BS	PP072614.D	04 Jun 2025 11:37	YP\AJ	Ok,M
13	PB168275BL	PP072615.D	04 Jun 2025 12:55	YP\AJ	Ok
14	PB168275BS	PP072616.D	04 Jun 2025 13:12	YP\AJ	Not Ok
15	Q2167-01	PP072617.D	04 Jun 2025 13:28	YP\AJ	ReRun
16	Q2171-01	PP072618.D	04 Jun 2025 13:45	YP\AJ	Dilution
17	AR1660CCC500	PP072619.D	04 Jun 2025 14:51	YP\AJ	Ok,M
18	AR1242CCC500	PP072620.D	04 Jun 2025 15:07	YP\AJ	Ok,M
19	AR1248CCC500	PP072621.D	04 Jun 2025 15:23	YP\AJ	Ok,M
20	AR1254CCC500	PP072622.D	04 Jun 2025 15:40	YP\AJ	Ok,M
21	I.BLK	PP072623.D	04 Jun 2025 15:56	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP060425

Review By	yogesh	Review On	6/4/2025 10:14:35 AM		
Supervise By	mohammad	Supervise On	6/6/2025 9:37:42 AM		
SubDirectory	PP060425	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,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB168288BL	PP072624.D	04 Jun 2025 16:13	YP\AJ	Ok,M
23	PB168288BS	PP072625.D	04 Jun 2025 16:29	YP\AJ	Not Ok
24	Q2182-01	PP072626.D	04 Jun 2025 16:45	YP\AJ	Ok,M
25	Q2192-01	PP072627.D	04 Jun 2025 17:02	YP\AJ	Dilution
26	Q2194-01	PP072628.D	04 Jun 2025 17:18	YP\AJ	Ok
27	Q2194-03	PP072629.D	04 Jun 2025 17:34	YP\AJ	Ok
28	Q2195-01	PP072630.D	04 Jun 2025 17:51	YP\AJ	Ok,M
29	Q2195-01MS	PP072631.D	04 Jun 2025 18:07	YP\AJ	Ok,M
30	Q2195-01MSD	PP072632.D	04 Jun 2025 18:23	YP\AJ	Ok,M
31	Q2198-01	PP072633.D	04 Jun 2025 18:40	YP\AJ	Ok,M
32	AR1660CCC500	PP072634.D	04 Jun 2025 20:01	YP\AJ	Ok
33	AR1242CCC500	PP072635.D	04 Jun 2025 20:18	YP\AJ	Ok
34	AR1248CCC500	PP072636.D	04 Jun 2025 20:34	YP\AJ	Ok,M
35	AR1254CCC500	PP072637.D	04 Jun 2025 20:50	YP\AJ	Ok,M
36	I.BLK	PP072638.D	04 Jun 2025 21:07	YP\AJ	Ok,M
37	Q2175-09	PP072639.D	04 Jun 2025 21:23	YP\AJ	ReRun
38	Q2171-01DL	PP072640.D	04 Jun 2025 21:39	YP\AJ	Ok,M
39	AR1660CCC500	PP072641.D	04 Jun 2025 22:45	YP\AJ	Ok,M
40	AR1242CCC500	PP072642.D	04 Jun 2025 23:17	YP\AJ	Ok,M
41	AR1248CCC500	PP072643.D	04 Jun 2025 23:34	YP\AJ	Ok,M
42	AR1254CCC500	PP072644.D	04 Jun 2025 23:50	YP\AJ	Ok,M
43	I.BLK	PP072645.D	05 Jun 2025 00:06	YP\AJ	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO051525

Review By	yogesh	Review On	5/14/2025 3:39:03 PM		
Supervise By	mohammad	Supervise On	5/16/2025 1:55:32 AM		
SubDirectory	PO051525	HP Acquire Method		HP Processing Method	PO051525

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	PO111056.D	14 May 2025 16:43		YP/AJ	Ok
2	I.BLK	I.BLK	PO111057.D	14 May 2025 17:01		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO111058.D	14 May 2025 17:19		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO111059.D	14 May 2025 17:38		YP/AJ	Ok,M
5	AR1660ICC500	AR1660ICC500	PO111060.D	14 May 2025 17:56		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO111061.D	14 May 2025 18:15		YP/AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PO111062.D	14 May 2025 18:33		YP/AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PO111063.D	14 May 2025 18:51		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO111064.D	14 May 2025 19:10		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO111065.D	14 May 2025 19:28		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO111066.D	14 May 2025 19:46		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO111067.D	14 May 2025 20:05		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO111068.D	14 May 2025 20:23		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO111069.D	14 May 2025 20:41		YP/AJ	Ok
15	AR1248ICC1000	AR1248ICC1000	PO111070.D	14 May 2025 21:00		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO111071.D	14 May 2025 21:18		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO111072.D	14 May 2025 21:37		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO111073.D	14 May 2025 21:54		YP/AJ	Ok

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Daily Analysis Runlog For Sequence/QCBatch ID # PO051525

Review By	yogesh	Review On	5/14/2025 3:39:03 PM		
Supervise By	mohammad	Supervise On	5/16/2025 1:55:32 AM		
SubDirectory	PO051525	HP Acquire Method		HP Processing Method	PO051525

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	AR1248ICC050	AR1248ICC050	PO111074.D	14 May 2025 22:12		YP/AJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PO111075.D	14 May 2025 22:31		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO111076.D	14 May 2025 22:49		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO111077.D	14 May 2025 23:06		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO111078.D	14 May 2025 23:25		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO111079.D	14 May 2025 23:43		YP/AJ	Ok
25	AR1262ICC500	AR1262ICC500	PO111080.D	15 May 2025 00:01		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO111081.D	15 May 2025 00:19		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO111082.D	15 May 2025 00:37		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO111083.D	15 May 2025 00:56		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO111084.D	15 May 2025 01:14		YP/AJ	Ok
30	AR1268ICC050	AR1268ICC050	PO111085.D	15 May 2025 01:31		YP/AJ	Ok
31	PO051525ICV500	ICVPO051525	PO111086.D	15 May 2025 01:50		YP/AJ	Ok
32	AR1242ICV500	ICVPO051525AR1242	PO111087.D	15 May 2025 02:26		YP/AJ	Ok
33	AR1248ICV500	ICVPO051525AR1248	PO111088.D	15 May 2025 03:03		YP/AJ	Ok
34	AR1254ICV500	ICVPO051525AR1254	PO111089.D	15 May 2025 03:40		YP/AJ	Ok
35	AR1268ICV500	ICVPO051525AR1268	PO111090.D	15 May 2025 04:17		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO060425

Review By	yogesh	Review On	6/4/2025 10:15:40 AM		
Supervise By	mohammad	Supervise On	6/6/2025 2:01:29 AM		
SubDirectory	PO060425	HP Acquire Method		HP Processing Method	PO051525

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	PO111452.D	04 Jun 2025 08:39		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO111453.D	04 Jun 2025 08:57		YP/AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PO111454.D	04 Jun 2025 09:18		YP/AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PO111455.D	04 Jun 2025 09:36		YP/AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PO111456.D	04 Jun 2025 09:54		YP/AJ	Ok,M
6	I.BLK	I.BLK	PO111457.D	04 Jun 2025 10:13		YP/AJ	Ok,M
7	Q2175-01	32525	PO111458.D	04 Jun 2025 10:31	AR1254 hits	YP/AJ	Ok,M
8	Q2176-01	TP-46	PO111459.D	04 Jun 2025 10:49		YP/AJ	Ok,M
9	Q2176-02	TP-56	PO111460.D	04 Jun 2025 11:08		YP/AJ	Ok,M
10	Q2176-03	TP-25	PO111461.D	04 Jun 2025 11:26	AR1260 Hit	YP/AJ	Ok,M
11	Q2175-06RE	EGR-LIQUIDRE	PO111462.D	04 Jun 2025 11:50	All surrogate low	YP/AJ	Confirms
12	Q2171-02	5-28-25-B	PO111463.D	04 Jun 2025 12:57	AR1242 Hit	YP/AJ	Ok,M
13	Q2171-03	51925	PO111464.D	04 Jun 2025 13:15	AR1242 Hit	YP/AJ	Ok,M
14	Q2193-01	VNJ259-1	PO111465.D	04 Jun 2025 13:33	AR1242 Hit	YP/AJ	Ok,M
15	Q2193-02	VNJ259-2	PO111466.D	04 Jun 2025 13:51	AR1242 Hit	YP/AJ	Ok,M
16	Q2193-03	VNJ259-3	PO111467.D	04 Jun 2025 14:09	AR1248 Hit	YP/AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PO111468.D	04 Jun 2025 15:23		YP/AJ	Ok,M
18	AR1242CCC500	AR1242CCC500	PO111469.D	04 Jun 2025 15:41		YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO060425

Review By	yogesh	Review On	6/4/2025 10:15:40 AM		
Supervise By	mohammad	Supervise On	6/6/2025 2:01:29 AM		
SubDirectory	PO060425	HP Acquire Method		HP Processing Method	PO051525

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	PO111470.D	04 Jun 2025 15:59		YP/AJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PO111471.D	04 Jun 2025 16:18		YP/AJ	Ok,M
21	I.BLK	I.BLK	PO111472.D	04 Jun 2025 16:35		YP/AJ	Ok,M
22	Q2198-03	B-207-SB02	PO111473.D	04 Jun 2025 16:52		YP/AJ	Ok,M
23	Q2199-01	ETGI-343	PO111474.D	04 Jun 2025 17:10		YP/AJ	Ok,M
24	Q2199-03	VNJ-231	PO111475.D	04 Jun 2025 17:28		YP/AJ	Ok,M
25	Q2199-05	72-11978	PO111476.D	04 Jun 2025 17:45		YP/AJ	Ok,M
26	AR1660CCC500	AR1660CCC500	PO111477.D	04 Jun 2025 18:57		YP/AJ	Ok,M
27	AR1242CCC500	AR1242CCC500	PO111478.D	04 Jun 2025 19:33		YP/AJ	Ok,M
28	AR1248CCC500	AR1248CCC500	PO111479.D	04 Jun 2025 19:50		YP/AJ	Ok,M
29	AR1254CCC500	AR1254CCC500	PO111480.D	04 Jun 2025 20:08		YP/AJ	Ok,M
30	I.BLK	I.BLK	PO111481.D	04 Jun 2025 20:27		YP/AJ	Ok,M

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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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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Fax : 908 789 8922

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP060325

Review By	yogesh	Review On	6/3/2025 11:21:30 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:35:08 AM		
SubDirectory	PP060325	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	PP072552.D	03 Jun 2025 10:06		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP072553.D	03 Jun 2025 10:22		YP\AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PP072554.D	03 Jun 2025 10:39		YP\AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PP072555.D	03 Jun 2025 10:55		YP\AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PP072556.D	03 Jun 2025 11:11		YP\AJ	Ok,M
6	I.BLK	I.BLK	PP072557.D	03 Jun 2025 11:27		YP\AJ	Ok,M
7	PB168252BL	PB168252BL	PP072558.D	03 Jun 2025 13:28		YP\AJ	Ok,M
8	PB168252BS	PB168252BS	PP072559.D	03 Jun 2025 13:44	Recovery fail	YP\AJ	Not Ok
9	Q2168-01	SAN-A1-A3	PP072560.D	03 Jun 2025 14:00	AR1242 Hit,Need Dilution 50X	YP\AJ	Dilution
10	Q2168-05	SAN-B1-B3	PP072561.D	03 Jun 2025 14:16	AR1242 Hit,Need Dilution 50X	YP\AJ	Dilution
11	Q2168-09	SAN-C1-C2	PP072562.D	03 Jun 2025 14:33	AR1242 Hit,Need Dilution 100X	YP\AJ	Dilution
12	Q2175-01	32525	PP072563.D	03 Jun 2025 14:49	AR1242 Hit,carry over	YP\AJ	Not Ok
13	Q2176-01	TP-46	PP072564.D	03 Jun 2025 15:05	AR1242 Hit,carry over	YP\AJ	Not Ok
14	Q2176-02	TP-56	PP072565.D	03 Jun 2025 15:22	AR1242 Hit,carry over	YP\AJ	Not Ok
15	Q2176-03	TP-25	PP072566.D	03 Jun 2025 15:38	AR1260 Hit; possible carryover	YP\AJ	Not Ok
16	Q2176-04	TP-26	PP072567.D	03 Jun 2025 15:54		YP\AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PP072568.D	03 Jun 2025 16:59		YP\AJ	Ok,M
18	AR1242CCC500	AR1242CCC500	PP072569.D	03 Jun 2025 17:32		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP060325

Review By	yogesh	Review On	6/3/2025 11:21:30 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:35:08 AM		
SubDirectory	PP060325	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	PP072570.D	03 Jun 2025 17:48		YP\AJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PP072571.D	03 Jun 2025 18:05		YP\AJ	Ok,M
21	I.BLK	I.BLK	PP072572.D	03 Jun 2025 18:21		YP\AJ	Ok,M
22	Q2176-05	TP-28	PP072573.D	03 Jun 2025 18:37		YP\AJ	Ok
23	Q2176-05MS	TP-28MS	PP072574.D	03 Jun 2025 18:53		YP\AJ	Ok,M
24	Q2176-05MSD	TP-28MSD	PP072575.D	03 Jun 2025 19:10		YP\AJ	Ok
25	Q2176-06	TP-27	PP072576.D	03 Jun 2025 19:26		YP\AJ	Ok,M
26	Q2176-07	TP-31	PP072577.D	03 Jun 2025 19:42		YP\AJ	Ok
27	Q2176-08	TP-65	PP072578.D	03 Jun 2025 19:59		YP\AJ	Ok
28	Q2177-02	B-187-SB01	PP072579.D	03 Jun 2025 20:15		YP\AJ	Ok,M
29	Q2177-04	B-187-SB02	PP072580.D	03 Jun 2025 20:31		YP\AJ	Ok,M
30	Q2177-06	B-202-SB01	PP072581.D	03 Jun 2025 20:48		YP\AJ	Ok,M
31	Q2178-01	RT2929	PP072582.D	03 Jun 2025 21:04		YP\AJ	Ok,M
32	AR1660CCC500	AR1660CCC500	PP072583.D	03 Jun 2025 22:25		YP\AJ	Ok,M
33	AR1242CCC500	AR1242CCC500	PP072584.D	03 Jun 2025 22:58		YP\AJ	Ok,M
34	AR1248CCC500	AR1248CCC500	PP072585.D	03 Jun 2025 23:14		YP\AJ	Ok,M
35	AR1254CCC500	AR1254CCC500	PP072586.D	03 Jun 2025 23:30		YP\AJ	Ok,M
36	I.BLK	I.BLK	PP072587.D	03 Jun 2025 23:47		YP\AJ	Ok,M
37	Q2185-01	TP02-MHB-WC	PP072588.D	04 Jun 2025 00:03		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP060325

Review By	yogesh	Review On	6/3/2025 11:21:30 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:35:08 AM		
SubDirectory	PP060325	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	

38	Q2185-05	TP01-MHA-WC	PP072589.D	04 Jun 2025 00:19		YP\AJ	Ok,M
39	PB168257BL	PB168257BL	PP072590.D	04 Jun 2025 00:35		YP\AJ	Ok,M
40	PB168257BS	PB168257BS	PP072591.D	04 Jun 2025 00:52	AR1016 recovery fail	YP\AJ	Not Ok
41	PB168257BSD	PB168257BSD	PP072592.D	04 Jun 2025 01:08	AR1016 recovery fail	YP\AJ	Not Ok
42	Q2165-03	TRE-25-63-64	PP072593.D	04 Jun 2025 01:24	AR1254 Hit	YP\AJ	Ok,M
43	Q2165-06	TRE-25-65-66	PP072594.D	04 Jun 2025 01:40		YP\AJ	Ok,M
44	Q2169-01	303-PPR-1	PP072595.D	04 Jun 2025 01:57	AR1254 Hit	YP\AJ	Ok,M
45	Q2169-03	303-PPR-2	PP072596.D	04 Jun 2025 02:13	AR1254 Hit	YP\AJ	Ok,M
46	Q2175-04	52525-A-B-COMP	PP072597.D	04 Jun 2025 02:29		YP\AJ	Ok,M
47	AR1660CCC500	AR1660CCC500	PP072598.D	04 Jun 2025 03:51		YP\AJ	Ok,M
48	AR1242CCC500	AR1242CCC500	PP072599.D	04 Jun 2025 04:23		YP\AJ	Ok,M
49	AR1248CCC500	AR1248CCC500	PP072600.D	04 Jun 2025 04:40		YP\AJ	Ok,M
50	AR1254CCC500	AR1254CCC500	PP072601.D	04 Jun 2025 04:56		YP\AJ	Ok,M
51	I.BLK	I.BLK	PP072602.D	04 Jun 2025 05:12		YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP060425

Review By	yogesh	Review On	6/4/2025 10:14:35 AM		
Supervise By	mohammad	Supervise On	6/6/2025 9:37:42 AM		
SubDirectory	PP060425	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	PP072603.D	04 Jun 2025 08:34		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP072604.D	04 Jun 2025 08:50		YP\AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PP072605.D	04 Jun 2025 09:11		YP\AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PP072606.D	04 Jun 2025 09:27		YP\AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PP072607.D	04 Jun 2025 09:43		YP\AJ	Ok,M
6	I.BLK	I.BLK	PP072608.D	04 Jun 2025 10:00		YP\AJ	Ok,M
7	PB168257BS	PB168257BS	PP072609.D	04 Jun 2025 10:16		YP\AJ	Ok,M
8	PB168257BSD	PB168257BSD	PP072610.D	04 Jun 2025 10:32		YP\AJ	Ok,M
9	Q2168-01DL	SAN-A1-A3DL	PP072611.D	04 Jun 2025 10:48	AR1242 Hit	YP\AJ	Ok
10	Q2168-05DL	SAN-B1-B3DL	PP072612.D	04 Jun 2025 11:04	AR1242 Hit	YP\AJ	Ok
11	Q2168-09DL	SAN-C1-C2DL	PP072613.D	04 Jun 2025 11:21	AR1242 Hit	YP\AJ	Ok
12	PB168252BS	PB168252BS	PP072614.D	04 Jun 2025 11:37		YP\AJ	Ok,M
13	PB168275BL	PB168275BL	PP072615.D	04 Jun 2025 12:55		YP\AJ	Ok
14	PB168275BS	PB168275BS	PP072616.D	04 Jun 2025 13:12	AR1016 fail for recovery	YP\AJ	Not Ok
15	Q2167-01	52225	PP072617.D	04 Jun 2025 13:28	Surrogate fail, AR1242 Hit	YP\AJ	ReRun
16	Q2171-01	5-28-25-A	PP072618.D	04 Jun 2025 13:45	AR1242 Hit,Need Dilution, DCB high 2nd column	YP\AJ	Dilution
17	AR1660CCC500	AR1660CCC500	PP072619.D	04 Jun 2025 14:51		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP060425

Review By	yogesh	Review On	6/4/2025 10:14:35 AM		
Supervise By	mohammad	Supervise On	6/6/2025 9:37:42 AM		
SubDirectory	PP060425	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	

18	AR1242CCC500	AR1242CCC500	PP072620.D	04 Jun 2025 15:07		YP\AJ	Ok,M
19	AR1248CCC500	AR1248CCC500	PP072621.D	04 Jun 2025 15:23		YP\AJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PP072622.D	04 Jun 2025 15:40		YP\AJ	Ok,M
21	I.BLK	I.BLK	PP072623.D	04 Jun 2025 15:56		YP\AJ	Ok
22	PB168288BL	PB168288BL	PP072624.D	04 Jun 2025 16:13		YP\AJ	Ok,M
23	PB168288BS	PB168288BS	PP072625.D	04 Jun 2025 16:29	AR1016 fail for recovery	YP\AJ	Not Ok
24	Q2182-01	OR-03-06022025	PP072626.D	04 Jun 2025 16:45		YP\AJ	Ok,M
25	Q2192-01	SB-1	PP072627.D	04 Jun 2025 17:02	AR1260 + 1242 Hit , need 25X dilution	YP\AJ	Dilution
26	Q2194-01	COMP-12	PP072628.D	04 Jun 2025 17:18		YP\AJ	Ok
27	Q2194-03	COMP-13	PP072629.D	04 Jun 2025 17:34		YP\AJ	Ok
28	Q2195-01	OK-01-060325	PP072630.D	04 Jun 2025 17:51		YP\AJ	Ok,M
29	Q2195-01MS	OK-01-060325MS	PP072631.D	04 Jun 2025 18:07		YP\AJ	Ok,M
30	Q2195-01MSD	OK-01-060325MSD	PP072632.D	04 Jun 2025 18:23		YP\AJ	Ok,M
31	Q2198-01	B-202-SB02	PP072633.D	04 Jun 2025 18:40		YP\AJ	Ok,M
32	AR1660CCC500	AR1660CCC500	PP072634.D	04 Jun 2025 20:01	AR1016 - 1 low in 1st column , AR1260 - 2,4 low in 1st column	YP\AJ	Ok
33	AR1242CCC500	AR1242CCC500	PP072635.D	04 Jun 2025 20:18	AR1242 - 5 Low in 1st column	YP\AJ	Ok
34	AR1248CCC500	AR1248CCC500	PP072636.D	04 Jun 2025 20:34		YP\AJ	Ok,M
35	AR1254CCC500	AR1254CCC500	PP072637.D	04 Jun 2025 20:50	AR1254 - 2,4 low in 1st column	YP\AJ	Ok,M
36	I.BLK	I.BLK	PP072638.D	04 Jun 2025 21:07		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP060425

Review By	yogesh	Review On	6/4/2025 10:14:35 AM		
Supervise By	mohammad	Supervise On	6/6/2025 9:37:42 AM		
SubDirectory	PP060425	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	

37	Q2175-09	52725	PP072639.D	04 Jun 2025 21:23	AR1242 hit, DCB low in both column & TCMX low in 1st column	YP\AJ	ReRun
38	Q2171-01DL	5-28-25-ADL	PP072640.D	04 Jun 2025 21:39	AR1242 Hit	YP\AJ	Ok,M
39	AR1660CCC500	AR1660CCC500	PP072641.D	04 Jun 2025 22:45		YP\AJ	Ok,M
40	AR1242CCC500	AR1242CCC500	PP072642.D	04 Jun 2025 23:17		YP\AJ	Ok,M
41	AR1248CCC500	AR1248CCC500	PP072643.D	04 Jun 2025 23:34		YP\AJ	Ok,M
42	AR1254CCC500	AR1254CCC500	PP072644.D	04 Jun 2025 23:50		YP\AJ	Ok,M
43	I.BLK	I.BLK	PP072645.D	05 Jun 2025 00:06		YP\AJ	Ok,M

M : Manual Integration

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EXTRACTION LOGPAGE

PB168252

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Matrix : Solid

Weigh By: EH

Balance check: EH

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 : 06/03/2025

Extraction Start Time : 09:30

Extraction End Date : 06/03/2025

Extraction End Time : 12:45

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	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	EP2620
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:

40ML Vial Lot # 03-40BTS723, Q2175-01 used Limited volume as sample is oily debris.

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
6/3/25	RS (Ext lab)	Y-P Pest HCB.
12:50	**Preparation Group**	**Analysis Group**

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EXTRACTION LOGPAGE

PrepBatch ID : PB168252

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 06/03/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168252BL	ABLK252	PCB	30.01	N/A	ritesh	Evelyn	10			U1-1
PB168252BS	ALCS252	PCB	30.02	N/A	ritesh	Evelyn	10			2
Q2168-01	SAN-A1-A3	PCB	30.05	N/A	ritesh	Evelyn	10	B		3
Q2168-05	SAN-B1-B3	PCB	30.03	N/A	ritesh	Evelyn	10	B		4
Q2168-09	SAN-C1-C2	PCB	30.02	N/A	ritesh	Evelyn	10	B		5
Q2175-01	32525	PCB	5.09	N/A	ritesh	Evelyn	10	E	Oily Debris	6
Q2176-01	TP-46	PCB	30.06	N/A	ritesh	Evelyn	10	E		U2-1
Q2176-02	TP-56	PCB	30.04	N/A	ritesh	Evelyn	10	E		2
Q2176-03	TP-25	PCB	30.07	N/A	ritesh	Evelyn	10	E		3
Q2176-04	TP-26	PCB	30.07	N/A	ritesh	Evelyn	10	E		4
Q2176-05	TP-28	PCB	30.06	N/A	ritesh	Evelyn	10	E		5
Q2176-05MS	TP-28MS	PCB	30.02	N/A	ritesh	Evelyn	10	E		6
Q2176-05MSD	TP-28MSD	PCB	30.05	N/A	ritesh	Evelyn	10	E		U3-1
Q2176-06	TP-27	PCB	30.04	N/A	ritesh	Evelyn	10	E		2
Q2176-07	TP-31	PCB	30.07	N/A	ritesh	Evelyn	10	E		3
Q2176-08	TP-65	PCB	30.01	N/A	ritesh	Evelyn	10	E		4
Q2177-02	B-187-SB01	PCB	30.03	N/A	ritesh	Evelyn	10	F		6
Q2177-04	B-187-SB02	PCB	30.08	N/A	ritesh	Evelyn	10	F		U6-1
Q2177-06	B-202-SB01	PCB	30.02	N/A	ritesh	Evelyn	10	F		2
Q2178-01	RT2929	PCB	30.05	N/A	ritesh	Evelyn	10	B	Concrete	3
Q2185-01	TP02-MHB-WC	PCB	30.04	N/A	ritesh	Evelyn	10	B		4
Q2185-05	TP01-MHB-WC	PCB	30.06	N/A	ritesh	Evelyn	10	B		5

RS
6/3

* **Extracts relinguished on the same date as received.**

Q2176 88252 9-30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2168 **WorkList ID :** 189890 **Department :** Extraction **Date :** 06-03-2025 09:02:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2168-01	SAN-A1-A3	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/30/2025	8082A
Q2168-05	SAN-B1-B3	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/30/2025	8082A
Q2168-09	SAN-C1-C2	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/30/2025	8082A
Q2175-01	32525	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/30/2025	8082A
Q2176-01	TP-46	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/28/2025	8082A
Q2176-02	TP-56	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/29/2025	8082A
Q2176-03	TP-25	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/29/2025	8082A
Q2176-04	TP-26	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/29/2025	8082A
Q2176-05	TP-28	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/29/2025	8082A
Q2176-06	TP-27	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/29/2025	8082A
Q2176-07	TP-31	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/29/2025	8082A
Q2176-08	TP-65	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/30/2025	8082A
Q2177-02	B-187-SB01	Solid	PCB	Cool 4 deg C	PORT06	L41	05/31/2025	8082A
Q2177-04	B-187-SB02	Solid	PCB	Cool 4 deg C	PORT06	L41	05/31/2025	8082A
Q2177-06	B-202-SB01	Solid	PCB	Cool 4 deg C	PORT06	L41	05/31/2025	8082A
Q2178-01	RT2929	Solid	PCB	Cool 4 deg C	PSEG03	L41	06/02/2025	8082A
Q2185-01	TP02-MHB-WC	Solid	PCB	Cool 4 deg C	PSEG03	L31	06/02/2025	8082A
Q2185-05	TP01-MHB-WC	Solid	PCB	Cool 4 deg C	PSEG03	L31	06/02/2025	8082A

Date/Time 6/3/25 9:25
Raw Sample Received by: RJ (EXA-Lab)
Raw Sample Relinquished by: SM

Date/Time 6/3/25 10:00
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (EXA-Lab)

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LAB CHRONICLE

OrderID:	Q2176	**OrderDate:**	5/30/2025 4:04:00 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
Q2176-01	**TP-46**	**SOIL**			**05/28/25**			**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/04/25	
			PCB	8082A		06/03/25	06/04/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-02	**TP-56**	**SOIL**			**05/29/25**			**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/03/25	
			PCB	8082A		06/03/25	06/04/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-03	**TP-25**	**SOIL**			**05/29/25**			**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/03/25	
			PCB	8082A		06/03/25	06/04/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-04	**TP-26**	**SOIL**			**05/29/25**			**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/03/25	
			PCB	8082A		06/03/25	06/03/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-05	**TP-28**	**SOIL**			**05/29/25**			**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/03/25	
			PCB	8082A		06/03/25	06/03/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-06	**TP-27**	**SOIL**			**05/29/25**			**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	

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LAB CHRONICLE

			Gasoline Range Organics	8015D			06/03/25	
			PCB	8082A		06/03/25	06/03/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-07	**TP-31**	**SOIL**			**05/29/25**			**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/03/25	
			PCB	8082A		06/03/25	06/03/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-08	**TP-65**	**SOIL**			**05/30/25**			**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/04/25	
			PCB	8082A		06/03/25	06/03/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2176 **Order ID:** Q2176

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
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-46	SDG No.:	Q2176
Lab Sample ID:	Q2176-01	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	83.7 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
PS030517.D	1	06/03/25 09:00	06/05/25 05:17	PB168254

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	339		10 - 141	68%	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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-56	SDG No.:	Q2176
Lab Sample ID:	Q2176-02	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	86.2 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
PS030518.D	1	06/03/25 09:00	06/05/25 05:41	PB168254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.00	U	9.00	77.5	ug/Kg
120-36-5	DICHLORPROP	14.8	U	14.8	77.5	ug/Kg
94-75-7	2,4-D	10.5	U	10.5	77.5	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.5	U	10.5	77.5	ug/Kg
93-76-5	2,4,5-T	10.1	U	10.1	77.5	ug/Kg
94-82-6	2,4-DB	28.0	U	28.0	77.5	ug/Kg
88-85-7	DINOSEB	12.5	U	12.5	77.5	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	300		10 - 141	60%	SPK: 500

Comments:

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() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25	SDG No.:	Q2176
Lab Sample ID:	Q2176-03	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
PS030519.D	1	06/03/25 09:00	06/05/25 06:05	PB168254

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	340		10 - 141	68%	SPK: 500

Comments:

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() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-26	SDG No.:	Q2176
Lab Sample ID:	Q2176-04	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	85.2 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
PS030530.D	1	06/03/25 09:00	06/05/25 13:03	PB168254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.10	U	9.10	78.6	ug/Kg
120-36-5	DICHLORPROP	15.0	U	15.0	78.6	ug/Kg
94-75-7	2,4-D	10.6	U	10.6	78.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.6	U	10.6	78.6	ug/Kg
93-76-5	2,4,5-T	10.2	U	10.2	78.6	ug/Kg
94-82-6	2,4-DB	28.4	U	28.4	78.6	ug/Kg
88-85-7	DINOSEB	12.7	U	12.7	78.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	71.8		10 - 141	14%	SPK: 500

Comments:

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() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-28	SDG No.:	Q2176
Lab Sample ID:	Q2176-05	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	90.5 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
PS030521.D	1	06/03/25 09:00	06/05/25 06:53	PB168254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.50	U	8.50	73.8	ug/Kg
120-36-5	DICHLORPROP	14.1	U	14.1	73.8	ug/Kg
94-75-7	2,4-D	10.0	U	10.0	73.8	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.0	U	10.0	73.8	ug/Kg
93-76-5	2,4,5-T	9.60	U	9.60	73.8	ug/Kg
94-82-6	2,4-DB	26.7	U	26.7	73.8	ug/Kg
88-85-7	DINOSEB	11.9	U	11.9	73.8	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	346		10 - 141	69%	SPK: 500

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-27	SDG No.:	Q2176
Lab Sample ID:	Q2176-06	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	83.1 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
PS030522.D	1	06/03/25 09:00	06/05/25 07:17	PB168254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.30	U	9.30	80.6	ug/Kg
120-36-5	DICHLORPROP	15.4	U	15.4	80.6	ug/Kg
94-75-7	2,4-D	10.9	U	10.9	80.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.9	U	10.9	80.6	ug/Kg
93-76-5	2,4,5-T	10.5	U	10.5	80.6	ug/Kg
94-82-6	2,4-DB	29.1	U	29.1	80.6	ug/Kg
88-85-7	DINOSEB	13.0	U	13.0	80.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	254		10 - 141	51%	SPK: 500

Comments:

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Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-31	SDG No.:	Q2176
Lab Sample ID:	Q2176-07	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	86.8 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
PS030523.D	1	06/03/25 09:00	06/05/25 07:41	PB168254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.90	U	8.90	77.1	ug/Kg
120-36-5	DICHLORPROP	14.7	U	14.7	77.1	ug/Kg
94-75-7	2,4-D	10.4	U	10.4	77.1	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.4	U	10.4	77.1	ug/Kg
93-76-5	2,4,5-T	10.0	U	10.0	77.1	ug/Kg
94-82-6	2,4-DB	27.8	U	27.8	77.1	ug/Kg
88-85-7	DINOSEB	12.4	U	12.4	77.1	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	346		10 - 141	69%	SPK: 500

Comments:

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-65	SDG No.:	Q2176
Lab Sample ID:	Q2176-08	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	87.3 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
PS030524.D	1	06/03/25 09:00	06/05/25 08:05	PB168254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.90	U	8.90	76.6	ug/Kg
120-36-5	DICHLORPROP	14.6	U	14.6	76.6	ug/Kg
94-75-7	2,4-D	10.3	U	10.3	76.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.4	U	10.4	76.6	ug/Kg
93-76-5	2,4,5-T	9.90	U	9.90	76.6	ug/Kg
94-82-6	2,4-DB	27.7	U	27.7	76.6	ug/Kg
88-85-7	DINOSEB	12.3	U	12.3	76.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	360		10 - 141	72%	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

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

Surrogate Summary

SDG No.: Q2176

Client: CDM Smith

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
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-PS030496.D	PIBLK-PS030496.D	2,4-DCAA	1	500	445	89		61	136
		2,4-DCAA	2	500	459	92		61	136
Q2160-05MS	TP05-MHH-WCMS	2,4-DCAA	1	500	494	99		10	141
		2,4-DCAA	2	500	480	96		10	141
Q2160-05MSD	TP05-MHH-WCMSD	2,4-DCAA	1	500	496	99		10	141
		2,4-DCAA	2	500	499	100		10	141
I.BLK-PS030505.D	PIBLK-PS030505.D	2,4-DCAA	1	500	442	88		61	136
		2,4-DCAA	2	500	460	92		61	136
PB168254BL	PB168254BL	2,4-DCAA	1	500	435	87		10	141
		2,4-DCAA	2	500	472	94		10	141
PB168254BS	PB168254BS	2,4-DCAA	1	500	508	102		10	141
		2,4-DCAA	2	500	502	100		10	141
I.BLK-PS030515.D	PIBLK-PS030515.D	2,4-DCAA	1	500	447	89		61	136
		2,4-DCAA	2	500	460	92		61	136
Q2176-01	TP-46	2,4-DCAA	1	500	320	64		10	141
		2,4-DCAA	2	500	339	68		10	141
Q2176-02	TP-56	2,4-DCAA	1	500	300	60		10	141
		2,4-DCAA	2	500	290	58		10	141
Q2176-03	TP-25	2,4-DCAA	1	500	317	63		10	141
		2,4-DCAA	2	500	340	68		10	141
Q2176-05	TP-28	2,4-DCAA	1	500	346	69		10	141
		2,4-DCAA	2	500	306	61		10	141
Q2176-06	TP-27	2,4-DCAA	1	500	247	49		10	141
		2,4-DCAA	2	500	254	51		10	141
Q2176-07	TP-31	2,4-DCAA	1	500	333	67		10	141
		2,4-DCAA	2	500	346	69		10	141
Q2176-08	TP-65	2,4-DCAA	1	500	316	63		10	141
		2,4-DCAA	2	500	360	72		10	141
I.BLK-PS030525.D	PIBLK-PS030525.D	2,4-DCAA	1	500	447	89		61	136
		2,4-DCAA	2	500	462	92		61	136
I.BLK-PS030528.D	PIBLK-PS030528.D	2,4-DCAA	1	500	448	90		61	136
		2,4-DCAA	2	500	466	93		61	136
Q2176-04	TP-26	2,4-DCAA	1	500	71.0	14		10	141
		2,4-DCAA	2	500	71.8	14		10	141
I.BLK-PS030531.D	PIBLK-PS030531.D	2,4-DCAA	1	500	451	90		61	136
		2,4-DCAA	2	500	457	91		61	136

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2176 **Analytical Method:** 8151A

Client: CDM Smith **DataFile :** PS030500.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:	**TP05-MHH-WCMS**											
Q2160-05MS (Column 1)	DICAMBA	201.4	0	176	ug/Kg	87				10	112	
	DICHLORPROP	201.4	0	189	ug/Kg	94				10	113	
	2,4-D	201.4	0	234	ug/Kg	116				10	144	
	2,4,5-TP(Silvex)	201.4	0	192	ug/Kg	95				10	114	
	2,4,5-T	201.4	0	191	ug/Kg	95				10	115	
	2,4-DB	201.4	0	132	ug/Kg	66				10	140	
	Dinoseb	201.4	0	0	ug/Kg	0	*			10	118	
Client Sample ID:	**TP05-MHH-WCMS**											
Q2160-05MS (Column 2)	DICAMBA	201.4	0	179	ug/Kg	89				10	112	
	DICHLORPROP	201.4	0	191	ug/Kg	95				10	113	
	2,4-D	201.4	0	188	ug/Kg	93				10	144	
	2,4,5-TP(Silvex)	201.4	0	196	ug/Kg	97				10	114	
	2,4,5-T	201.4	0	187	ug/Kg	93				10	115	
	2,4-DB	201.4	0	170	ug/Kg	84				10	140	
	Dinoseb	201.4	0	0	ug/Kg	0	*			10	118	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2176 **Analytical Method:** 8151A

Client: CDM Smith **DataFile :** PS030501.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:	**TP05-MHH-WCMSD**											
Q2160-05MSD (Column 1)	DICAMBA	201.7	0	177	ug/Kg	88		1		10	112	20
	DICHLORPROP	201.7	0	190	ug/Kg	94		0		10	113	20
	2,4-D	201.7	0	234	ug/Kg	116		0		10	144	20
	2,4,5-TP(Silvex)	201.7	0	192	ug/Kg	95		0		10	114	20
	2,4,5-T	201.7	0	192	ug/Kg	95		0		10	115	20
	2,4-DB	201.7	0	131	ug/Kg	65		2		10	140	20
	Dinoseb	201.7	0	0	ug/Kg	0	*	0		10	118	20
Client Sample ID:	**TP05-MHH-WCMSD**											
Q2160-05MSD (Column 2)	DICAMBA	201.7	0	181	ug/Kg	90		1		10	112	20
	DICHLORPROP	201.7	0	191	ug/Kg	95		0		10	113	20
	2,4-D	201.7	0	186	ug/Kg	92		1		10	144	20
	2,4,5-TP(Silvex)	201.7	0	198	ug/Kg	98		1		10	114	20
	2,4,5-T	201.7	0	187	ug/Kg	93		0		10	115	20
	2,4-DB	201.7	0	167	ug/Kg	83		1		10	140	20
	Dinoseb	201.7	0	0	ug/Kg	0	*	0		10	118	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2176 **Analytical Method:** 8151A

Client: CDM Smith **Datafile :** PS030514.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168254BS (Column 1)	DICAMBA	166.6	162	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	166	ug/Kg	100				74	146	
	2,4,5-T	166.6	160	ug/Kg	96				77	134	
	2,4-DB	166.6	154	ug/Kg	92				72	122	
	Dinoseb	166.6	163	ug/Kg	98				74	132	
PB168254BS (Column 2)	DICAMBA	166.6	158	ug/Kg	95				72	129	
	DICHLORPROP	166.6	158	ug/Kg	95				77	135	
	2,4-D	166.6	163	ug/Kg	98				65	144	
	2,4,5-TP(Silvex)	166.6	162	ug/Kg	97				74	146	
	2,4,5-T	166.6	161	ug/Kg	97				77	134	
	2,4-DB	166.6	158	ug/Kg	95				72	122	
	Dinoseb	166.6	158	ug/Kg	95				74	132	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168254BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Lab Sample ID: PB168254BL Lab File ID: PS030513.D

Matrix: (soil/water) Solid Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 06/03/2025

Date Analyzed (1): 06/05/2025 Date Analyzed (2): 06/05/2025

Time Analyzed (1): 03:17 Time Analyzed (2): 03:17

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
TP05-MHH-WCMS	Q2160-05MS	PS030500.D	06/04/2025	06/04/2025
TP05-MHH-WCMSD	Q2160-05MSD	PS030501.D	06/04/2025	06/04/2025
PB168254BS	PB168254BS	PS030514.D	06/05/2025	06/05/2025
TP-46	Q2176-01	PS030517.D	06/05/2025	06/05/2025
TP-56	Q2176-02	PS030518.D	06/05/2025	06/05/2025
TP-25	Q2176-03	PS030519.D	06/05/2025	06/05/2025
TP-28	Q2176-05	PS030521.D	06/05/2025	06/05/2025
TP-27	Q2176-06	PS030522.D	06/05/2025	06/05/2025
TP-31	Q2176-07	PS030523.D	06/05/2025	06/05/2025
TP-65	Q2176-08	PS030524.D	06/05/2025	06/05/2025
TP-26	Q2176-04	PS030530.D	06/05/2025	06/05/2025

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:	PB168254BL	SDG No.:	Q2176
Lab Sample ID:	PB168254BL	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
PS030513.D	1	06/03/25 09:00	06/05/25 03:17	PB168254

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	472		10 - 141	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

Alliance TECHNICAL GROUP
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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.:	Q2176
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
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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

Alliance TECHNICAL GROUP
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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-PS030496.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PS030496.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
PS030496.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	459		61 - 136	92%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
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LOD = Limit of Detection
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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:	06/04/25
Project:	South River WM Replacement	Date Received:	06/04/25
Client Sample ID:	PIBLK-PS030505.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PS030505.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
PS030505.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	460		61 - 136	92%	SPK: 500

Comments:

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LOQ = Limit of Quantitation
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Report of Analysis

Client:	CDM Smith	Date Collected:	06/05/25
Project:	South River WM Replacement	Date Received:	06/05/25
Client Sample ID:	PIBLK-PS030515.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PS030515.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
PS030515.D	1		06/05/25	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	460		61 - 136	92%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/05/25
Project:	South River WM Replacement	Date Received:	06/05/25
Client Sample ID:	PIBLK-PS030525.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PS030525.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
PS030525.D	1		06/05/25	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	462		61 - 136	92%	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:	06/05/25
Project:	South River WM Replacement	Date Received:	06/05/25
Client Sample ID:	PIBLK-PS030528.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PS030528.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
PS030528.D	1		06/05/25	ps060525

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:	06/05/25
Project:	South River WM Replacement	Date Received:	06/05/25
Client Sample ID:	PIBLK-PS030531.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PS030531.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
PS030531.D	1		06/05/25	ps060525

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	457		61 - 136	91%	SPK: 500

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168254BS	SDG No.:	Q2176
Lab Sample ID:	PB168254BS	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
PS030514.D	1	06/03/25 09:00	06/05/25 03:41	PB168254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	162		7.70	67.0	ug/Kg
120-36-5	DICHLORPROP	160		12.8	67.0	ug/Kg
94-75-7	2,4-D	163		9.00	67.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	166		9.10	67.0	ug/Kg
93-76-5	2,4,5-T	161		8.70	67.0	ug/Kg
94-82-6	2,4-DB	158		24.2	67.0	ug/Kg
88-85-7	DINOSEB	163		10.8	67.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	508		10 - 141	102%	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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/29/25
Client Sample ID:	TP05-MHH-WCMS	SDG No.:	Q2176
Lab Sample ID:	Q2160-05MS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	82.6 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
PS030500.D	1	06/03/25 09:00	06/04/25 21:40	PB168254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	179		9.40	81.0	ug/Kg
120-36-5	DICHLORPROP	191		15.5	81.0	ug/Kg
94-75-7	2,4-D	234		10.9	81.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	196		11.0	81.0	ug/Kg
93-76-5	2,4,5-T	191		10.5	81.0	ug/Kg
94-82-6	2,4-DB	170		29.2	81.0	ug/Kg
88-85-7	DINOSEB	13.1	U	13.1	81.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	494		10 - 141	99%	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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/29/25
Client Sample ID:	TP05-MHH-WCMSD	SDG No.:	Q2176
Lab Sample ID:	Q2160-05MSD	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	82.6 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
PS030501.D	1	06/03/25 09:00	06/04/25 22:04	PB168254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	181		9.40	81.1	ug/Kg
120-36-5	DICHLORPROP	191		15.5	81.1	ug/Kg
94-75-7	2,4-D	234		10.9	81.1	ug/Kg
93-72-1	2,4,5-TP (Silvex)	198		11.0	81.1	ug/Kg
93-76-5	2,4,5-T	192		10.5	81.1	ug/Kg
94-82-6	2,4-DB	167		29.3	81.1	ug/Kg
88-85-7	DINOSEB	13.1	U	13.1	81.1	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	499		10 - 141	100%	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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/04/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 20:03 **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	0.01
DICHLORPROP	8.27	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	10.27	10.28	10.18	10.38	0.01
Dinoseb	11.50	11.50	11.40	11.60	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/04/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 20:03 **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	0.01
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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/04/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030497.D **Time Analyzed:** 20:03

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.692	9.597	9.797	729.950	712.500	2.4
2,4,5-TP(Silvex)	9.398	9.304	9.504	724.280	712.500	1.7
2,4-D	8.506	8.412	8.612	705.370	705.000	0.1
2,4-DB	10.273	10.179	10.379	730.780	712.500	2.6
2,4-DCAA	7.365	7.269	7.469	725.600	750.000	-3.3
DICAMBA	7.557	7.461	7.661	710.910	705.000	0.8
DICHLORPROP	8.273	8.179	8.379	692.230	705.000	-1.8
Dinoseb	11.495	11.402	11.602	717.380	705.000	1.8

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/04/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030497.D **Time Analyzed:** 20:03

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.365	10.268	10.468	710.770	712.500	-0.2
2,4,5-TP(Silvex)	9.939	9.842	10.042	709.400	712.500	-0.4
2,4-D	9.032	8.934	9.134	695.700	705.000	-1.3
2,4-DB	10.933	10.836	11.036	693.450	712.500	-2.7
2,4-DCAA	7.772	7.674	7.874	722.520	750.000	-3.7
DICAMBA	7.976	7.877	8.077	701.350	705.000	-0.5
DICHLORPROP	8.696	8.598	8.798	691.250	705.000	-2.0
Dinoseb	11.319	11.221	11.421	702.840	705.000	-0.3

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/05/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 00:04 **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	7.36	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)	9.40	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	10.27	10.28	10.18	10.38	0.01
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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/05/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 00:04 **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	0.01
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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/05/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030506.D **Time Analyzed:** 00:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.690	9.597	9.797	691.980	712.500	-2.9
2,4,5-TP(Silvex)	9.396	9.304	9.504	710.030	712.500	-0.3
2,4-D	8.504	8.412	8.612	681.590	705.000	-3.3
2,4-DB	10.272	10.179	10.379	664.470	712.500	-6.7
2,4-DCAA	7.364	7.269	7.469	717.850	750.000	-4.3
DICAMBA	7.556	7.461	7.661	704.690	705.000	0.0
DICHLORPROP	8.272	8.179	8.379	680.910	705.000	-3.4
Dinoseb	11.493	11.402	11.602	697.350	705.000	-1.1

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/05/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030506.D **Time Analyzed:** 00:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.365	10.268	10.468	703.220	712.500	-1.3
2,4,5-TP(Silvex)	9.939	9.842	10.042	704.930	712.500	-1.1
2,4-D	9.032	8.934	9.134	692.970	705.000	-1.7
2,4-DB	10.932	10.836	11.036	692.000	712.500	-2.9
2,4-DCAA	7.772	7.674	7.874	719.760	750.000	-4.0
DICAMBA	7.976	7.877	8.077	701.320	705.000	-0.5
DICHLORPROP	8.696	8.598	8.798	685.390	705.000	-2.8
Dinoseb	11.318	11.221	11.421	693.070	705.000	-1.7

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/05/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 04:29 **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	0.01
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)	9.40	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	10.27	10.28	10.18	10.38	0.01
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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/05/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 04:29 **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	0.01
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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL03 **Date Analyzed:** 06/05/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030516.D **Time Analyzed:** 04:29

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.690	9.597	9.797	707.790	712.500	-0.7
2,4,5-TP(Silvex)	9.395	9.304	9.504	720.680	712.500	1.1
2,4-D	8.504	8.412	8.612	697.490	705.000	-1.1
2,4-DB	10.269	10.179	10.379	681.810	712.500	-4.3
2,4-DCAA	7.364	7.269	7.469	713.260	750.000	-4.9
DICAMBA	7.555	7.461	7.661	714.070	705.000	1.3
DICHLORPROP	8.271	8.179	8.379	693.020	705.000	-1.7
Dinoseb	11.491	11.402	11.602	709.130	705.000	0.6

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL03 **Date Analyzed:** 06/05/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030516.D **Time Analyzed:** 04:29

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.365	10.268	10.468	707.320	712.500	-0.7
2,4,5-TP(Silvex)	9.939	9.842	10.042	709.690	712.500	-0.4
2,4-D	9.031	8.934	9.134	727.630	705.000	3.2
2,4-DB	10.932	10.836	11.036	696.340	712.500	-2.3
2,4-DCAA	7.772	7.674	7.874	709.210	750.000	-5.4
DICAMBA	7.976	7.877	8.077	698.330	705.000	-0.9
DICHLORPROP	8.696	8.598	8.798	689.030	705.000	-2.3
Dinoseb	11.318	11.221	11.421	699.890	705.000	-0.7

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/05/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 08:53 **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	9.69	9.70	9.60	9.80	0.01
2,4-DB	10.27	10.28	10.18	10.38	0.01
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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/05/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 08:53 **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	11.32	11.32	11.22	11.42	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL04 **Date Analyzed:** 06/05/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030526.D **Time Analyzed:** 08:53

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.688	9.597	9.797	693.230	712.500	-2.7
2,4,5-TP(Silvex)	9.393	9.304	9.504	715.010	712.500	0.4
2,4-D	8.502	8.412	8.612	687.060	705.000	-2.5
2,4-DB	10.268	10.179	10.379	658.560	712.500	-7.6
2,4-DCAA	7.362	7.269	7.469	717.160	750.000	-4.4
DICAMBA	7.554	7.461	7.661	713.070	705.000	1.1
DICHLORPROP	8.270	8.179	8.379	689.740	705.000	-2.2
Dinoseb	11.490	11.402	11.602	712.210	705.000	1.0

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL04 **Date Analyzed:** 06/05/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030526.D **Time Analyzed:** 08:53

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.363	10.268	10.468	707.860	712.500	-0.7
2,4,5-TP(Silvex)	9.937	9.842	10.042	709.480	712.500	-0.4
2,4-D	9.030	8.934	9.134	722.280	705.000	2.5
2,4-DB	10.930	10.836	11.036	688.890	712.500	-3.3
2,4-DCAA	7.771	7.674	7.874	726.710	750.000	-3.1
DICAMBA	7.974	7.877	8.077	709.610	705.000	0.7
DICHLORPROP	8.694	8.598	8.798	691.730	705.000	-1.9
Dinoseb	11.316	11.221	11.421	708.340	705.000	0.5

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/05/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 10:46 **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	10.27	10.28	10.18	10.38	0.01
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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/05/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 10:46 **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	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL05 **Date Analyzed:** 06/05/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030529.D **Time Analyzed:** 10:46

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.688	9.597	9.797	696.360	712.500	-2.3
2,4,5-TP(Silvex)	9.393	9.304	9.504	720.870	712.500	1.2
2,4-D	8.502	8.412	8.612	690.150	705.000	-2.1
2,4-DB	10.268	10.179	10.379	655.240	712.500	-8.0
2,4-DCAA	7.361	7.269	7.469	744.640	750.000	-0.7
DICAMBA	7.553	7.461	7.661	720.790	705.000	2.2
DICHLORPROP	8.269	8.179	8.379	693.830	705.000	-1.6
Dinoseb	11.490	11.402	11.602	718.240	705.000	1.9

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL05 **Date Analyzed:** 06/05/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030529.D **Time Analyzed:** 10:46

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.362	10.268	10.468	713.650	712.500	0.2
2,4,5-TP(Silvex)	9.937	9.842	10.042	717.800	712.500	0.7
2,4-D	9.030	8.934	9.134	710.700	705.000	0.8
2,4-DB	10.930	10.836	11.036	698.670	712.500	-1.9
2,4-DCAA	7.771	7.674	7.874	730.660	750.000	-2.6
DICAMBA	7.974	7.877	8.077	713.970	705.000	1.3
DICHLORPROP	8.694	8.598	8.798	696.090	705.000	-1.3
Dinoseb	11.316	11.221	11.421	716.500	705.000	1.6

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/05/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 15:18 **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	10.27	10.28	10.18	10.38	0.01
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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/05/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 15:18 **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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL06 **Date Analyzed:** 06/05/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030532.D **Time Analyzed:** 15:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.688	9.597	9.797	700.170	712.500	-1.7
2,4,5-TP(Silvex)	9.394	9.304	9.504	723.990	712.500	1.6
2,4-D	8.503	8.412	8.612	691.070	705.000	-2.0
2,4-DB	10.268	10.179	10.379	664.630	712.500	-6.7
2,4-DCAA	7.362	7.269	7.469	741.180	750.000	-1.2
DICAMBA	7.554	7.461	7.661	721.180	705.000	2.3
DICHLORPROP	8.270	8.179	8.379	696.700	705.000	-1.2
Dinoseb	11.491	11.402	11.602	723.120	705.000	2.6

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL06 **Date Analyzed:** 06/05/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030532.D **Time Analyzed:** 15:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.362	10.268	10.468	712.190	712.500	0.0
2,4,5-TP(Silvex)	9.937	9.842	10.042	713.500	712.500	0.1
2,4-D	9.029	8.934	9.134	708.180	705.000	0.5
2,4-DB	10.929	10.836	11.036	695.800	712.500	-2.3
2,4-DCAA	7.770	7.674	7.874	727.740	750.000	-3.0
DICAMBA	7.974	7.877	8.077	710.730	705.000	0.8
DICHLORPROP	8.694	8.598	8.798	691.060	705.000	-2.0
Dinoseb	11.315	11.221	11.421	713.050	705.000	1.1

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q2176

Project: South River WM Replacement **Instrument ID:** ECD_S

GC Column: RTX-CLP **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 06/04/2025 06/04/2025

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	06/04/2025	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	19:39	PS030496.D	7.37	0.00
HSTDCCC750	HSTDCCC750	06/04/2025	20:03	PS030497.D	7.37	0.00
TP05-MHH-WCMS	Q2160-05MS	06/04/2025	21:40	PS030500.D	7.36	0.00
TP05-MHH-WCMSD	Q2160-05MSD	06/04/2025	22:04	PS030501.D	7.36	0.00
I.BLK	I.BLK	06/04/2025	23:40	PS030505.D	7.36	0.00
HSTDCCC750	HSTDCCC750	06/05/2025	00:04	PS030506.D	7.36	0.00
PB168254BL	PB168254BL	06/05/2025	03:17	PS030513.D	7.36	0.00
PB168254BS	PB168254BS	06/05/2025	03:41	PS030514.D	7.36	0.00
I.BLK	I.BLK	06/05/2025	04:05	PS030515.D	7.36	0.00
HSTDCCC750	HSTDCCC750	06/05/2025	04:29	PS030516.D	7.36	0.00
TP-46	Q2176-01	06/05/2025	05:17	PS030517.D	7.36	0.00
TP-56	Q2176-02	06/05/2025	05:41	PS030518.D	7.36	0.00
TP-25	Q2176-03	06/05/2025	06:05	PS030519.D	7.36	0.00
TP-28	Q2176-05	06/05/2025	06:53	PS030521.D	7.36	0.00
TP-27	Q2176-06	06/05/2025	07:17	PS030522.D	7.36	0.00
TP-31	Q2176-07	06/05/2025	07:41	PS030523.D	7.36	0.00
TP-65	Q2176-08	06/05/2025	08:05	PS030524.D	7.36	0.00
I.BLK	I.BLK	06/05/2025	08:29	PS030525.D	7.36	0.00
HSTDCCC750	HSTDCCC750	06/05/2025	08:53	PS030526.D	7.36	0.00
I.BLK	I.BLK	06/05/2025	10:22	PS030528.D	7.36	0.00
HSTDCCC750	HSTDCCC750	06/05/2025	10:46	PS030529.D	7.36	0.00
TP-26	Q2176-04	06/05/2025	13:03	PS030530.D	7.36	0.00
I.BLK	I.BLK	06/05/2025	14:54	PS030531.D	7.36	0.00
HSTDCCC750	HSTDCCC750	06/05/2025	15:18	PS030532.D	7.36	0.00

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q2176

Project: South River WM Replacement **Instrument ID:** ECD_S

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 06/04/2025 06/04/2025

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	06/04/2025	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	19:39	PS030496.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/04/2025	20:03	PS030497.D	7.77	0.00
TP05-MHH-WCMS	Q2160-05MS	06/04/2025	21:40	PS030500.D	7.77	0.00
TP05-MHH-WCMSD	Q2160-05MSD	06/04/2025	22:04	PS030501.D	7.77	0.00
I.BLK	I.BLK	06/04/2025	23:40	PS030505.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/05/2025	00:04	PS030506.D	7.77	0.00
PB168254BL	PB168254BL	06/05/2025	03:17	PS030513.D	7.77	0.00
PB168254BS	PB168254BS	06/05/2025	03:41	PS030514.D	7.77	0.00
I.BLK	I.BLK	06/05/2025	04:05	PS030515.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/05/2025	04:29	PS030516.D	7.77	0.00
TP-46	Q2176-01	06/05/2025	05:17	PS030517.D	7.77	0.00
TP-56	Q2176-02	06/05/2025	05:41	PS030518.D	7.77	0.00
TP-25	Q2176-03	06/05/2025	06:05	PS030519.D	7.77	0.00
TP-28	Q2176-05	06/05/2025	06:53	PS030521.D	7.77	0.00
TP-27	Q2176-06	06/05/2025	07:17	PS030522.D	7.77	0.00
TP-31	Q2176-07	06/05/2025	07:41	PS030523.D	7.77	0.00
TP-65	Q2176-08	06/05/2025	08:05	PS030524.D	7.77	0.00
I.BLK	I.BLK	06/05/2025	08:29	PS030525.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/05/2025	08:53	PS030526.D	7.77	0.00
I.BLK	I.BLK	06/05/2025	10:22	PS030528.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/05/2025	10:46	PS030529.D	7.77	0.00
TP-26	Q2176-04	06/05/2025	13:03	PS030530.D	7.77	0.00
I.BLK	I.BLK	06/05/2025	14:54	PS030531.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/05/2025	15:18	PS030532.D	7.77	0.00

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168254BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Lab Sample ID: PB168254BS **Date(s) Analyzed:** 06/05/2025 06/05/2025

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	160	1.3
	2	8.70	8.65	8.75	158	
2,4-D	1	8.50	8.45	8.55	160	1.9
	2	9.03	8.98	9.08	163	
2,4,5-TP(Silvex)	1	9.40	9.35	9.45	166	2.4
	2	9.94	9.89	9.99	162	
2,4,5-T	1	9.69	9.64	9.74	160	0.6
	2	10.36	10.31	10.41	161	
2,4-DB	1	10.27	10.22	10.32	154	2.6
	2	10.93	10.88	10.98	158	
Dinoseb	1	11.49	11.44	11.54	163	3.1
	2	11.32	11.27	11.37	158	
DICAMBA	1	7.56	7.51	7.61	162	2.5
	2	7.98	7.93	8.03	158	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP05-MHH-WCMS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Lab Sample ID: Q2160-05MS **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	8.27	8.22	8.32	189	1.1
	2	8.70	8.65	8.75	191	
2,4-D	1	8.50	8.45	8.55	234	21.8
	2	9.03	8.98	9.08	188	
2,4,5-TP(Silvex)	1	9.40	9.35	9.45	192	2.1
	2	9.94	9.89	9.99	196	
2,4,5-T	1	9.69	9.64	9.74	191	2.1
	2	10.36	10.31	10.41	187	
2,4-DB	1	10.27	10.22	10.32	132	25.2
	2	10.93	10.88	10.98	170	
DICAMBA	1	7.56	7.51	7.61	176	1.7
	2	7.98	7.93	8.03	179	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP05-MHH-WCMSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Lab Sample ID: Q2160-05MSD **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	8.27	8.22	8.32	190	0.5
	2	8.70	8.65	8.75	191	
2,4-D	1	8.50	8.45	8.55	234	22.9
	2	9.03	8.98	9.08	186	
2,4,5-TP(Silvex)	1	9.40	9.35	9.45	192	3.1
	2	9.94	9.89	9.99	198	
2,4,5-T	1	9.69	9.64	9.74	192	2.6
	2	10.36	10.31	10.41	187	
2,4-DB	1	10.27	10.22	10.32	131	24.2
	2	10.93	10.88	10.98	167	
DICAMBA	1	7.56	7.51	7.61	177	2.2
	2	7.98	7.93	8.03	181	

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030517.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 05:17
Operator : AR\AJ
Sample : Q2176-01
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-46

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 08:33:35 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	7.363	7.772	1209.6E6	364.4E6	320.405	338.772
	Target Compounds						

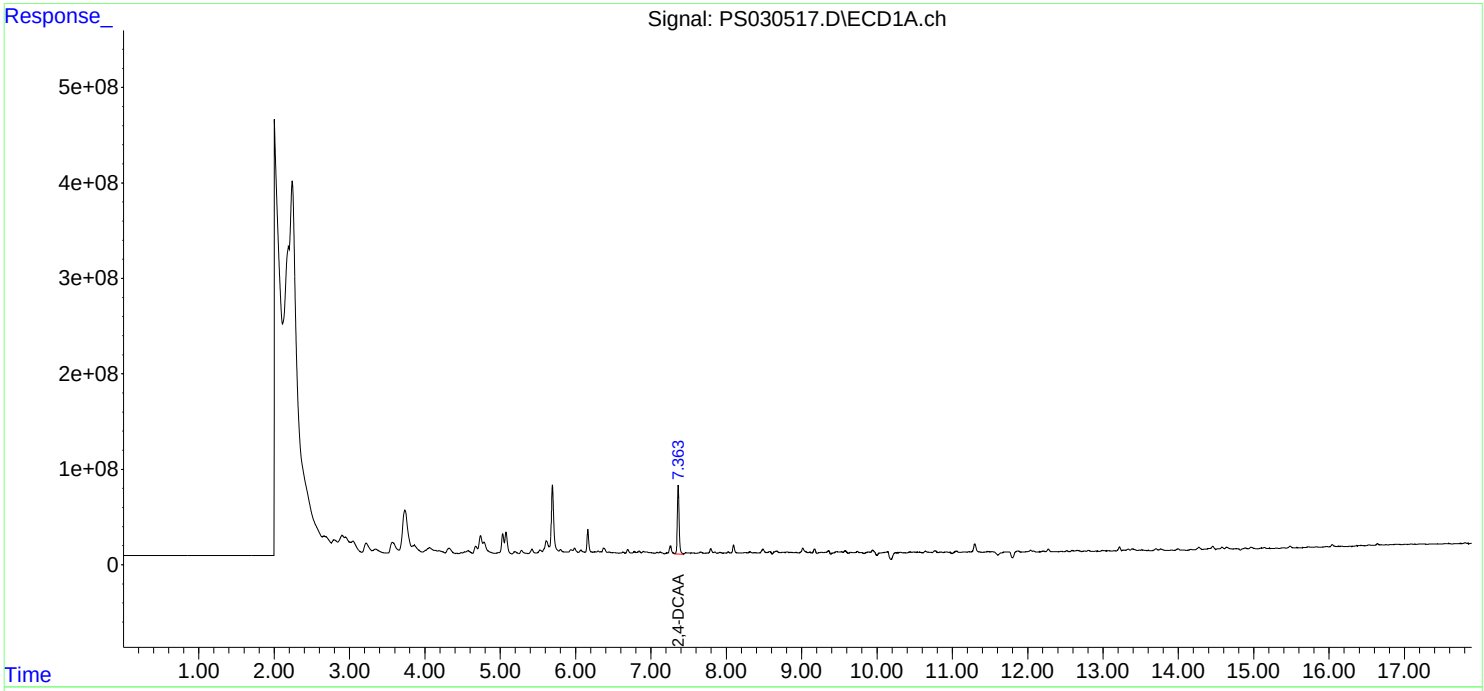
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

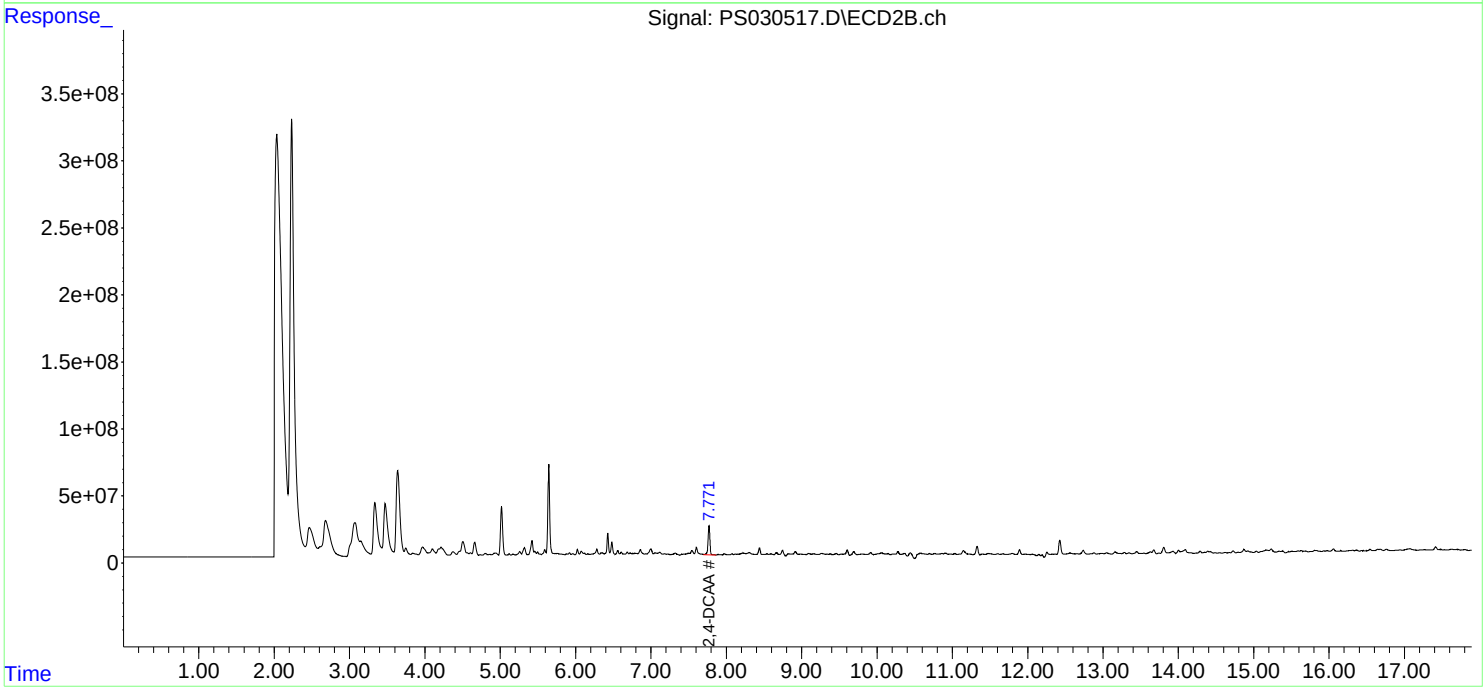
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030517.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 05:17
Operator : AR\AJ
Sample : Q2176-01
Misc :
ALS Vial : 29 Sample Multiplier: 1

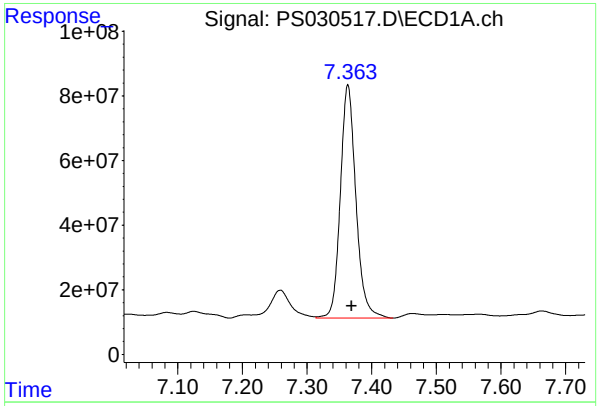
Instrument :
ECD_S
ClientSampleId :
TP-46

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 08:33:35 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



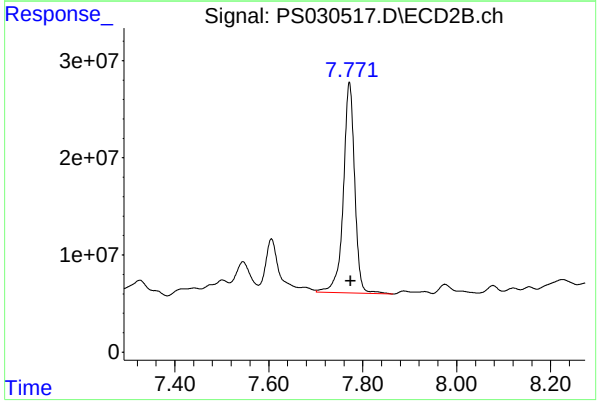




#4 2,4-DCAA

R.T.: 7.363 min
Delta R.T.: -0.006 min
Response: 1209574435
Conc: 320.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-46



#4 2,4-DCAA

R.T.: 7.772 min
Delta R.T.: -0.003 min
Response: 364387136
Conc: 338.77 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030518.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 05:41
Operator : AR\AJ
Sample : Q2176-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-56

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 05 08:33:47 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	7.362	7.771	1131.3E6	311.8E6	299.663	289.923m
	Target Compounds						

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

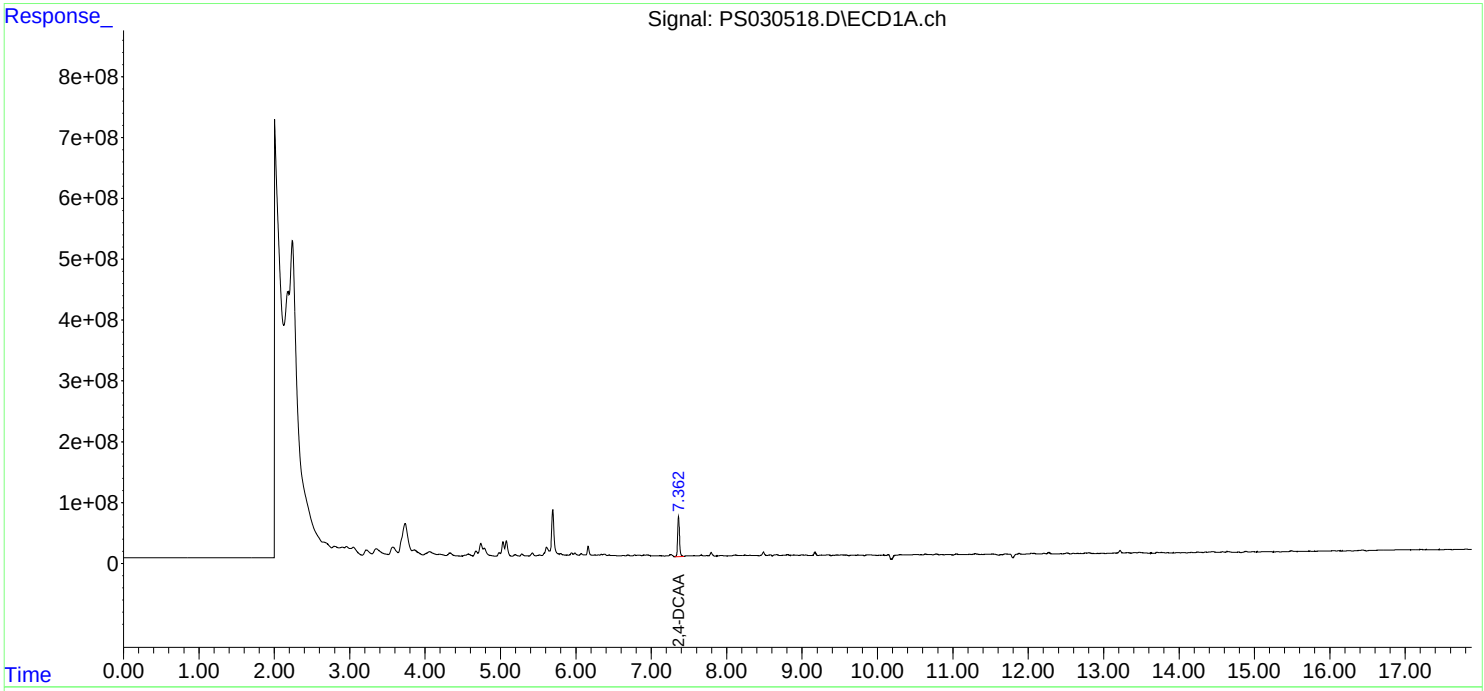
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030518.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 05:41
Operator : AR\AJ
Sample : Q2176-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

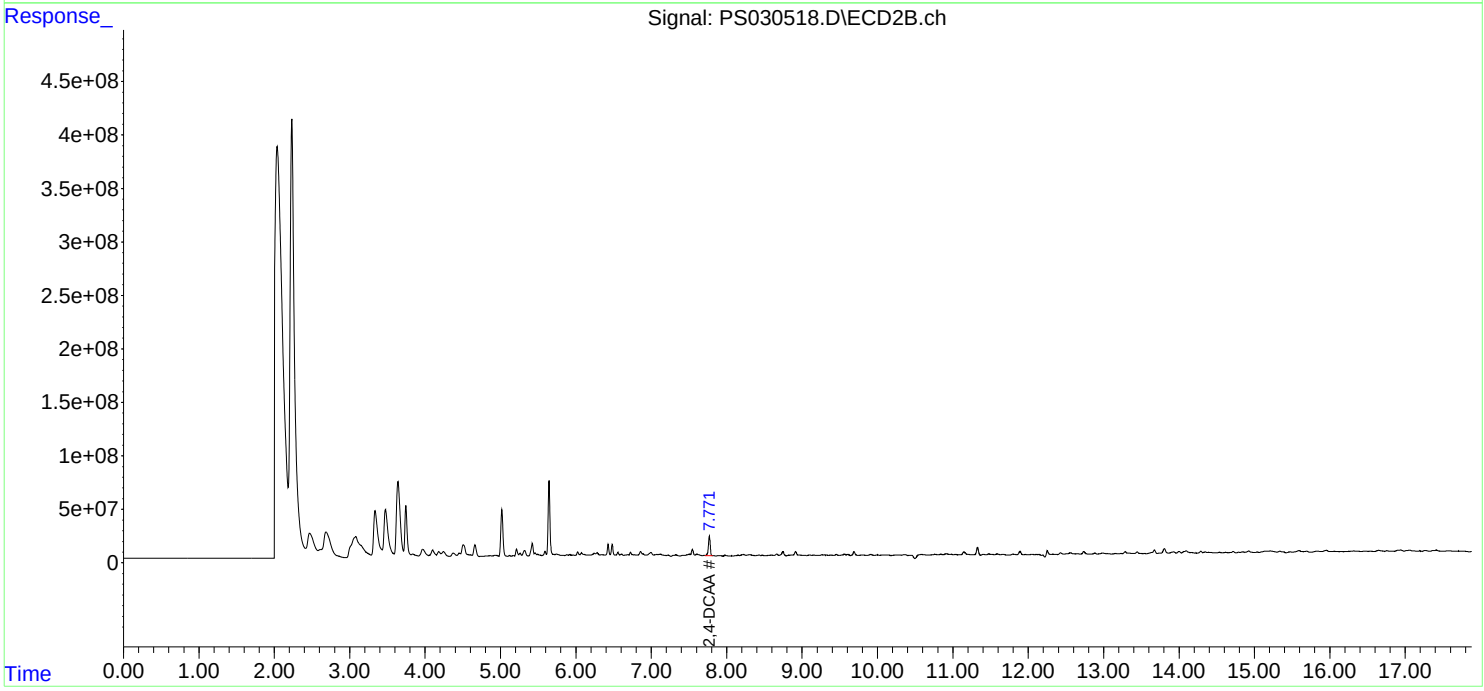
Instrument :
ECD_S
ClientSampleId :
TP-56

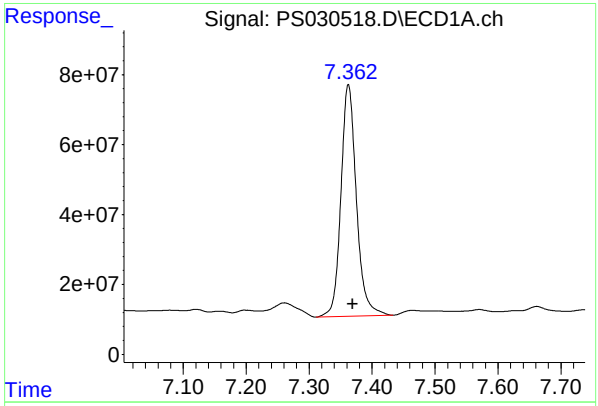
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 08:33:47 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







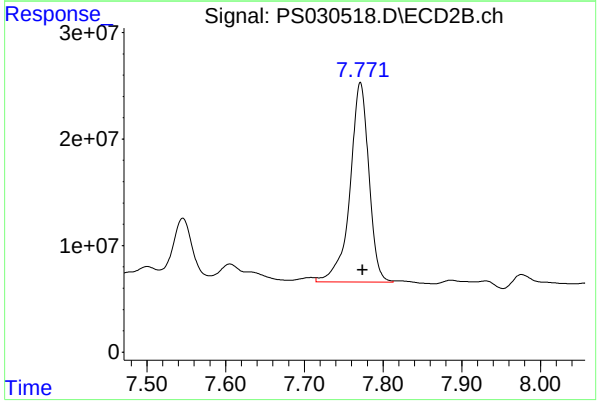
#4 2,4-DCAA

R.T.: 7.362 min
Delta R.T.: -0.007 mi
Response: 1131271327
Conc: 299.66 ng/m

Instrument :
ECD_S
ClientSampleId :
TP-56

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



#4 2,4-DCAA

R.T.: 7.771 min
Delta R.T.: -0.004 min
Response: 311844347
Conc: 289.92 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030519.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 06:05
Operator : AR\AJ
Sample : Q2176-03
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-25

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 08:33:59 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	7.363	7.772	1196.3E6	365.3E6	316.895	339.593
	Target Compounds						

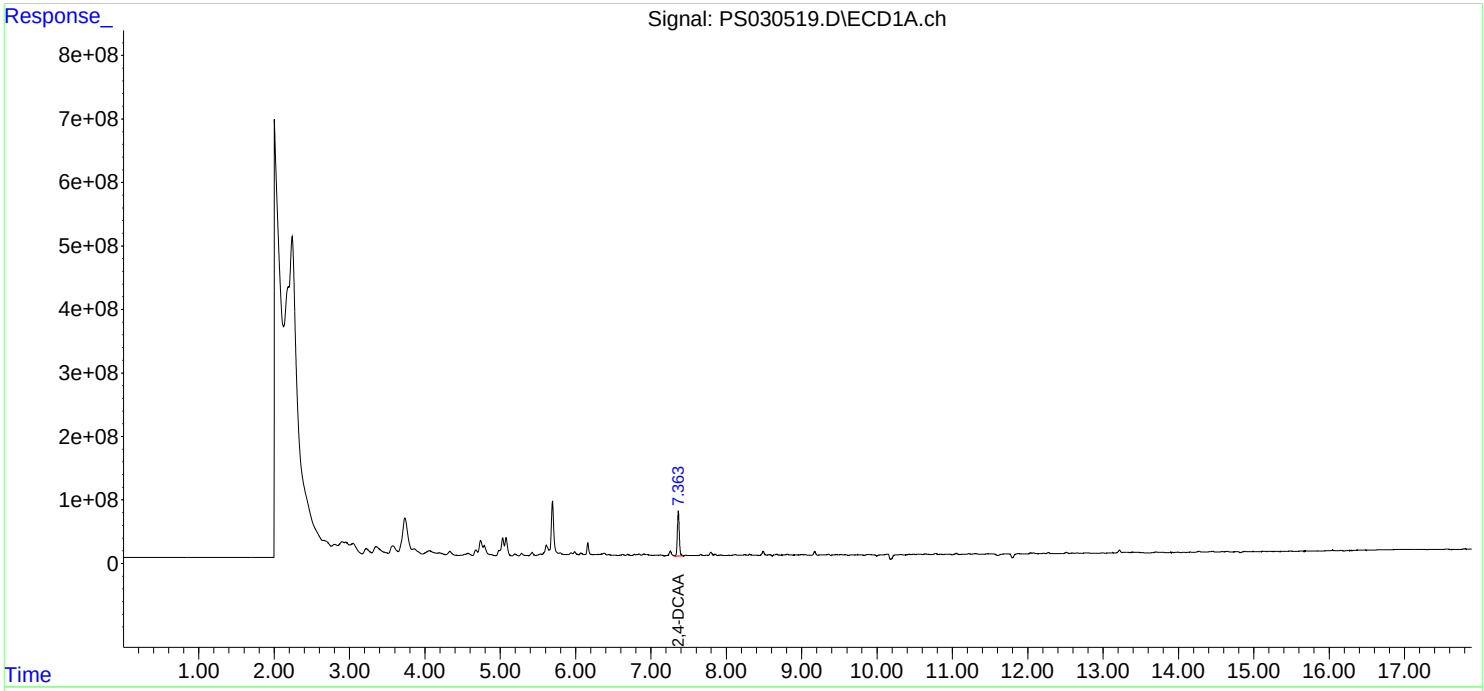
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

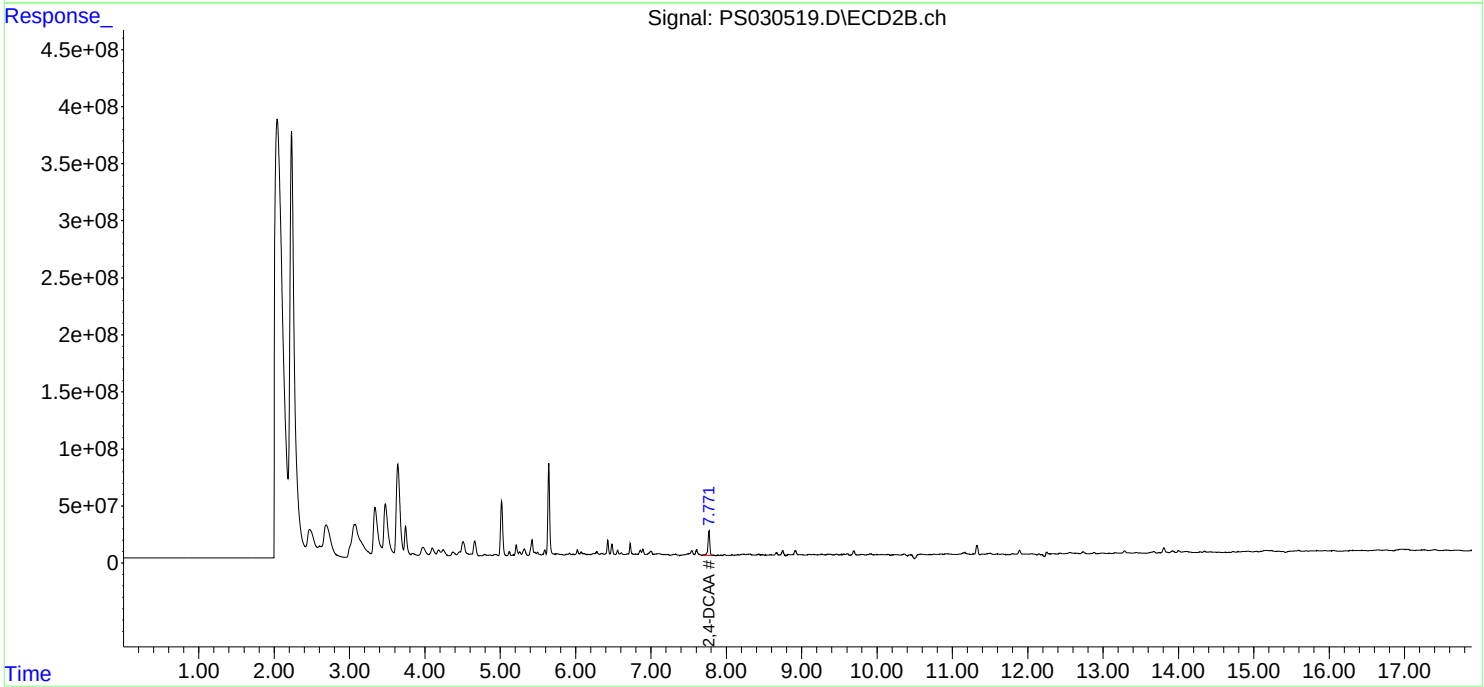
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030519.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 06:05
Operator : AR\AJ
Sample : Q2176-03
Misc :
ALS Vial : 31 Sample Multiplier: 1

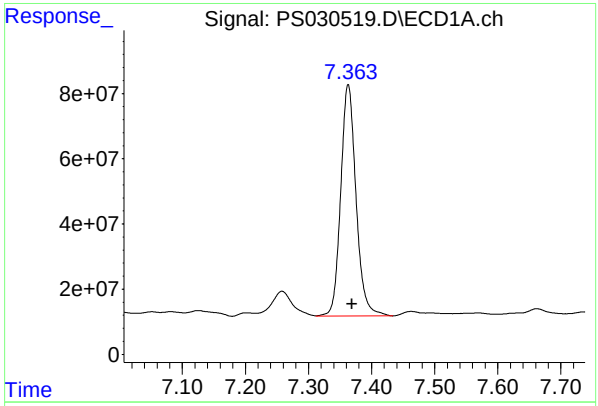
Instrument :
ECD_S
ClientSampleId :
TP-25

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 08:33:59 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



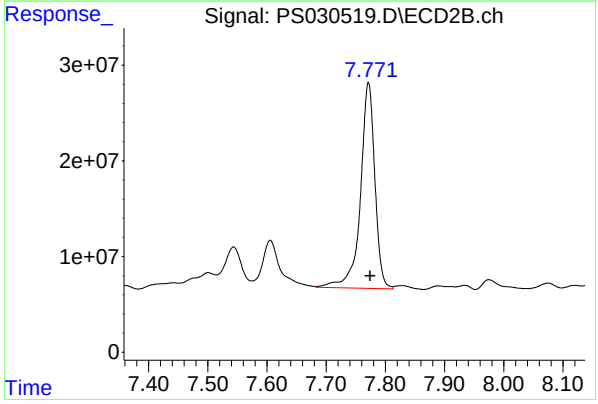




#4 2,4-DCAA

R.T.: 7.363 min
Delta R.T.: -0.006 min
Response: 1196323071
Conc: 316.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-25



#4 2,4-DCAA

R.T.: 7.772 min
Delta R.T.: -0.003 min
Response: 365269377
Conc: 339.59 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060525\
Data File : PS030530.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 13:03
Operator : AR\AJ
Sample : Q2176-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-26

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 06 01:20:49 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	7.364	7.767	268.0E6	77274836	70.995	71.843
	Target Compounds						

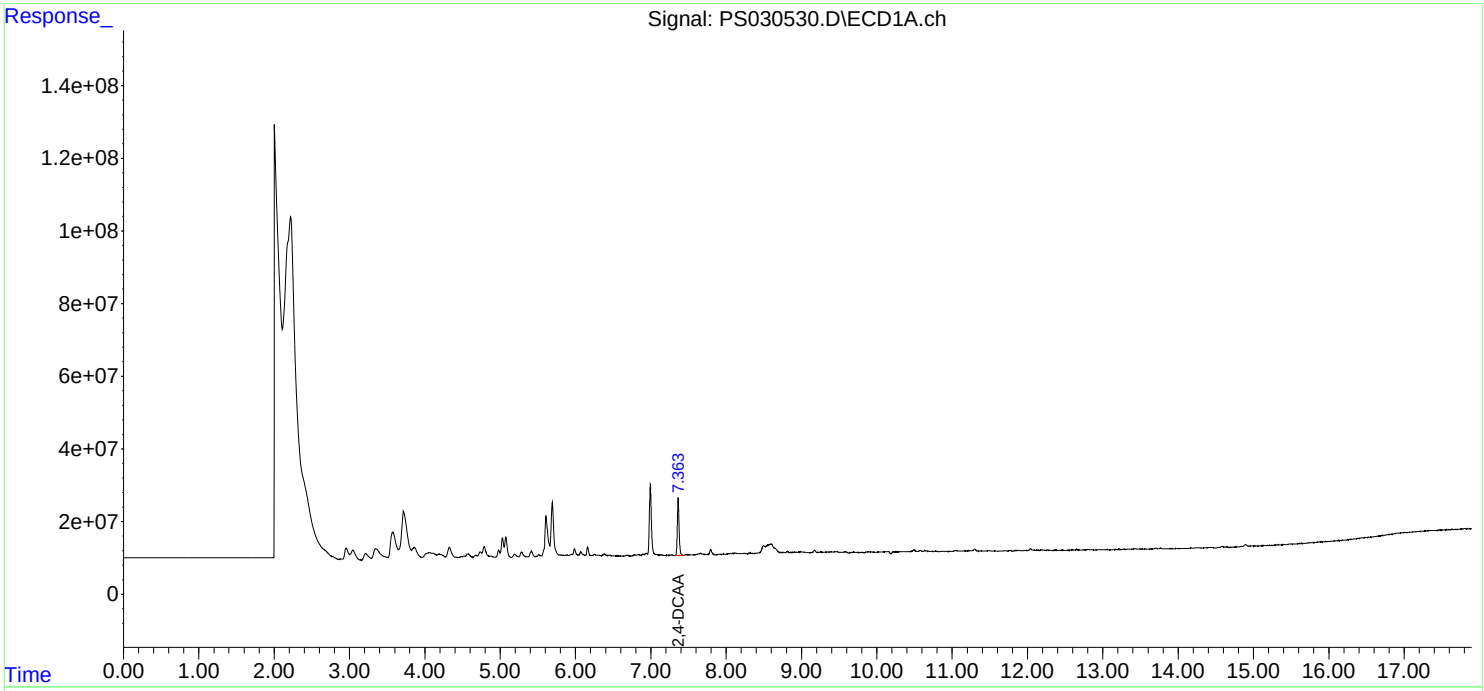
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

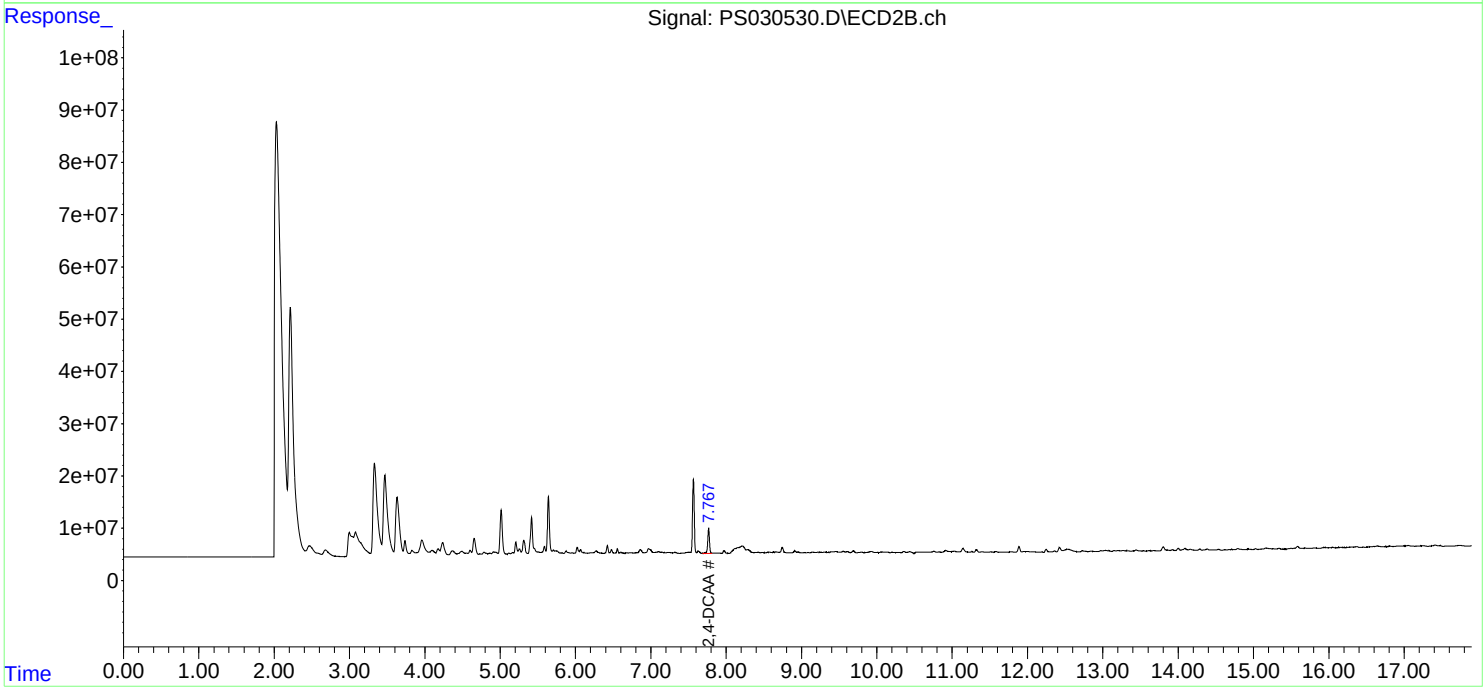
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060525\
Data File : PS030530.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 13:03
Operator : AR\AJ
Sample : Q2176-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

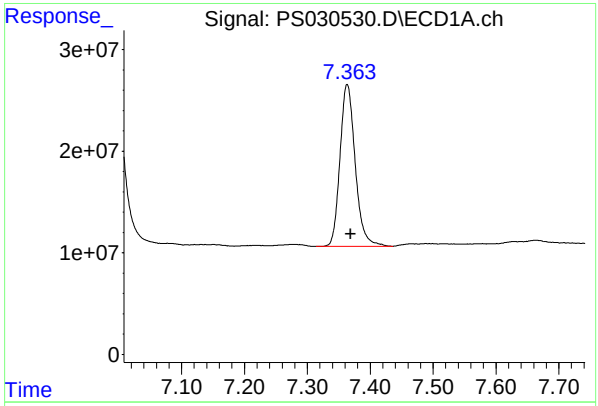
Instrument :
ECD_S
ClientSampleId :
TP-26

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 06 01:20:49 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



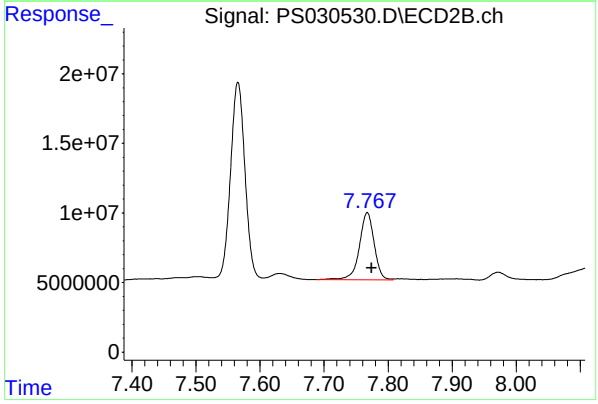




#4 2,4-DCAA

R.T.: 7.364 min
Delta R.T.: -0.006 min
Response: 268017107
Conc: 71.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-26



#4 2,4-DCAA

R.T.: 7.767 min
Delta R.T.: -0.007 min
Response: 77274836
Conc: 71.84 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030521.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 06:53
Operator : AR\AJ
Sample : Q2176-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-28

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 08:34:21 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	7.362	7.771	1307.9E6	328.9E6	346.445	305.736
	Target Compounds						

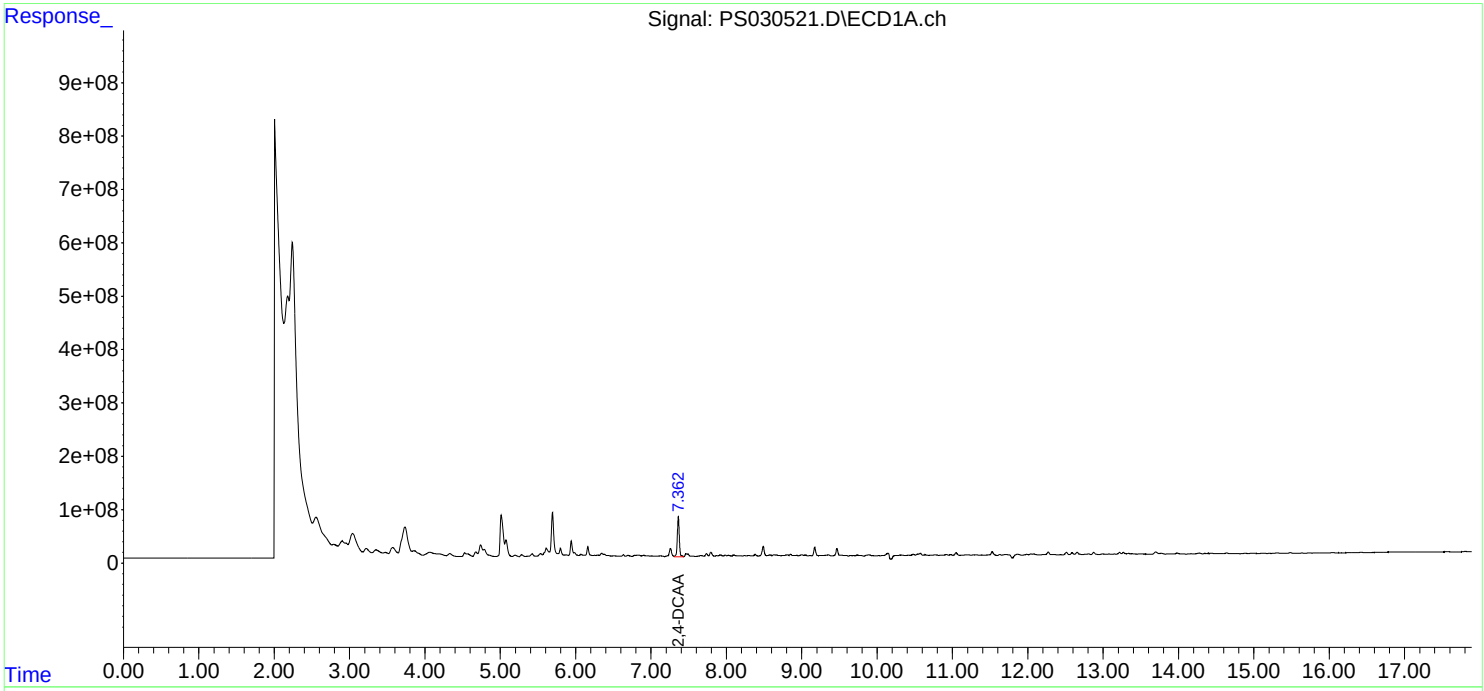
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

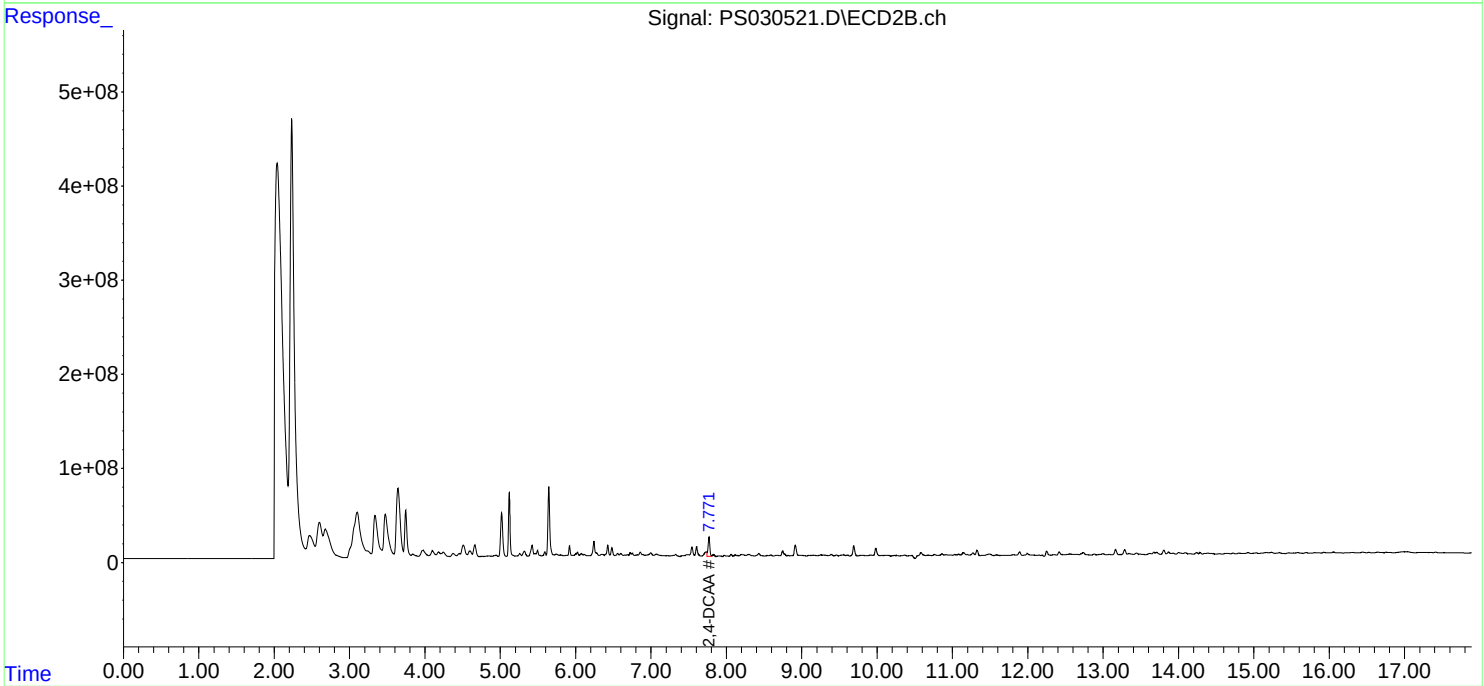
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030521.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 06:53
Operator : AR\AJ
Sample : Q2176-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

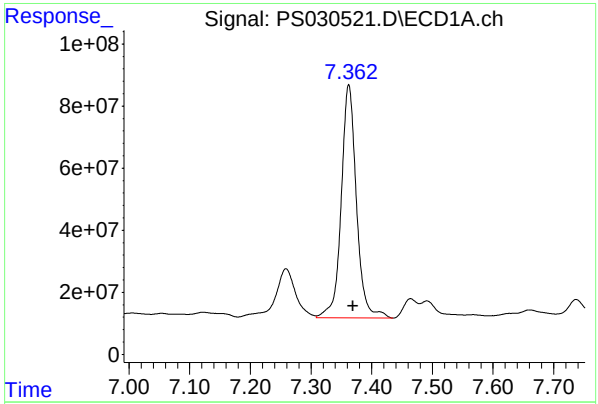
Instrument :
ECD_S
ClientSampleId :
TP-28

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 08:34:21 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



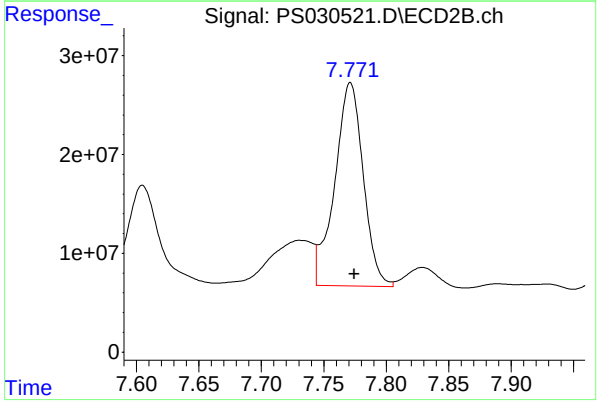




#4 2,4-DCAA

R.T.: 7.362 min
Delta R.T.: -0.007 min
Response: 1307879600
Conc: 346.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-28



#4 2,4-DCAA

R.T.: 7.771 min
Delta R.T.: -0.003 min
Response: 328852332
Conc: 305.74 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030522.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 07:17
Operator : AR\AJ
Sample : Q2176-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-27

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 05 08:34:33 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	7.362	7.770	931.5E6	273.0E6	246.748	253.850m
	Target Compounds						

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

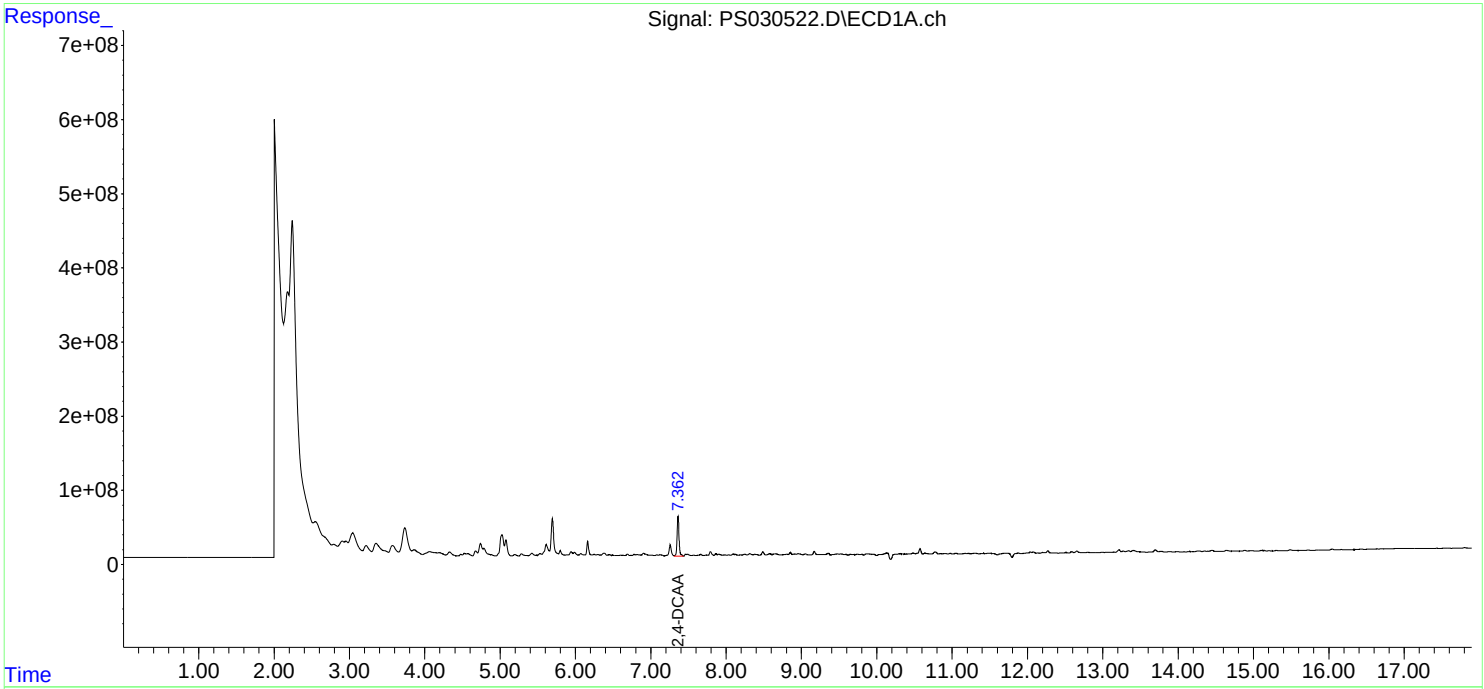
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030522.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 07:17
Operator : AR\AJ
Sample : Q2176-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

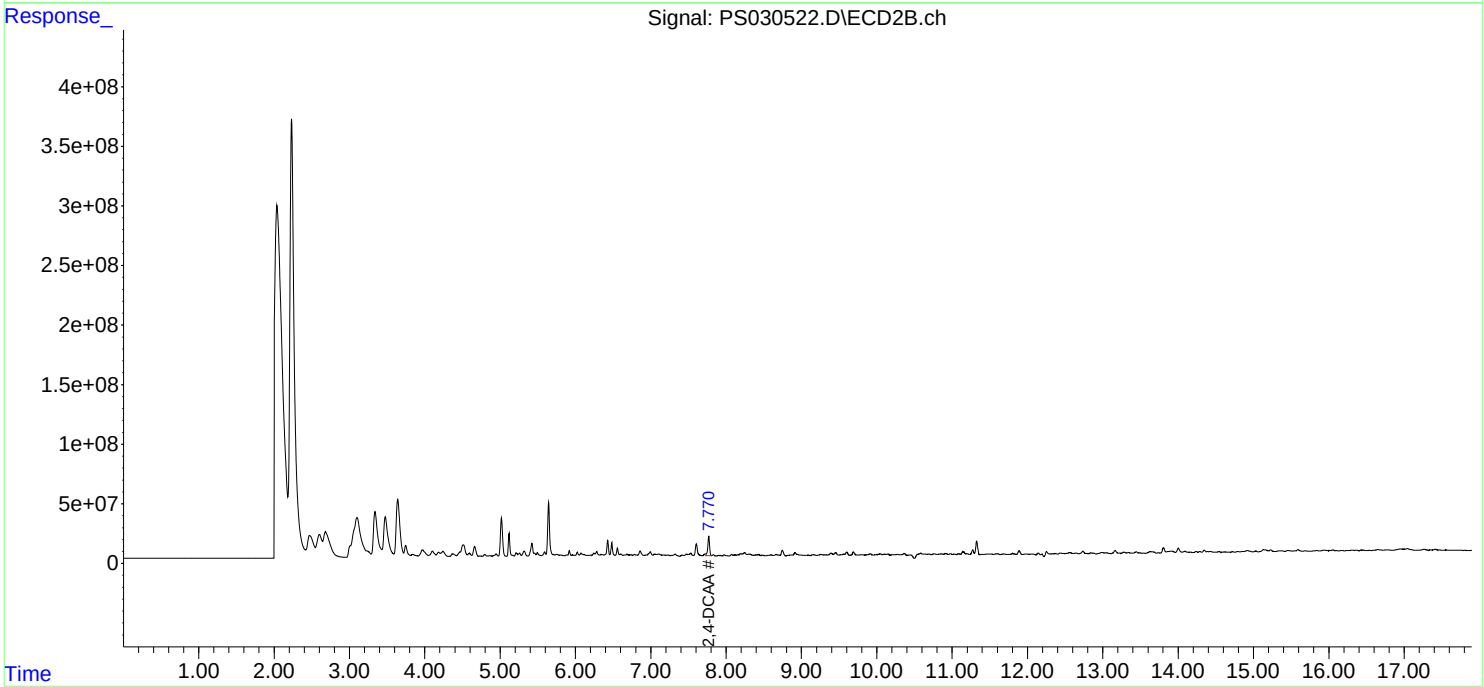
Instrument :
ECD_S
ClientSampleId :
TP-27

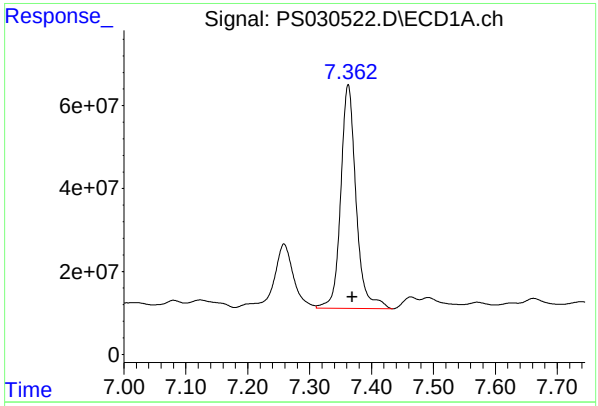
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 08:34:33 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







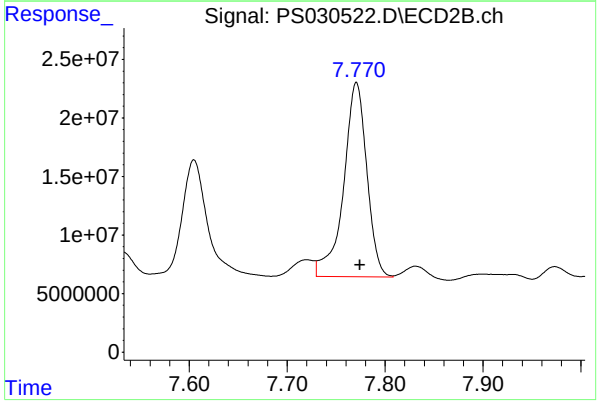
#4 2,4-DCAA

R.T.: 7.362 min
Delta R.T.: -0.007 mi
Response: 931509611
Conc: 246.75 ng/m

Instrument :
ECD_S
ClientSampleId :
TP-27

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



#4 2,4-DCAA

R.T.: 7.770 min
Delta R.T.: -0.004 min
Response: 273043980
Conc: 253.85 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030523.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 07:41
Operator : AR\AJ
Sample : Q2176-07
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-31

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 05 08:34:45 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	7.363	7.770	1258.4E6	371.7E6	333.337	345.586m
	Target Compounds						

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

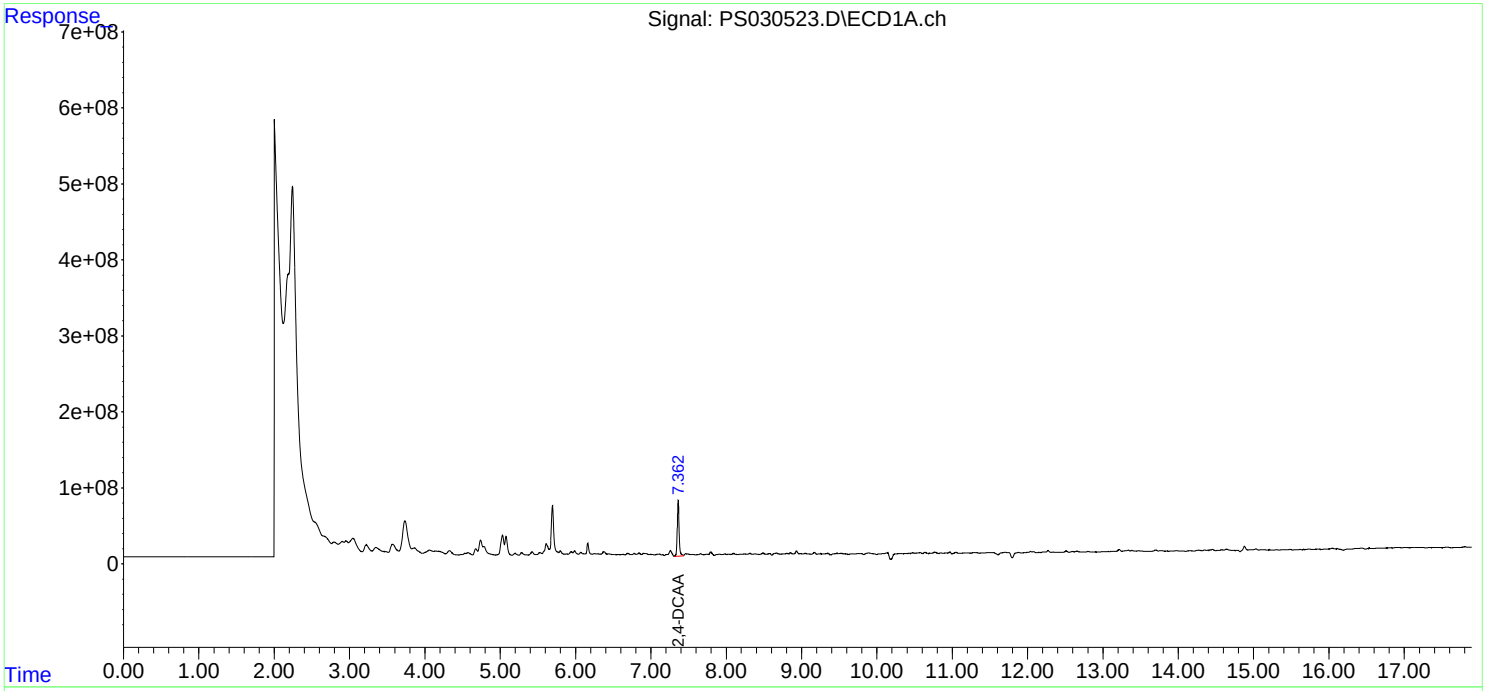
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030523.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 07:41
Operator : AR\AJ
Sample : Q2176-07
Misc :
ALS Vial : 35 Sample Multiplier: 1

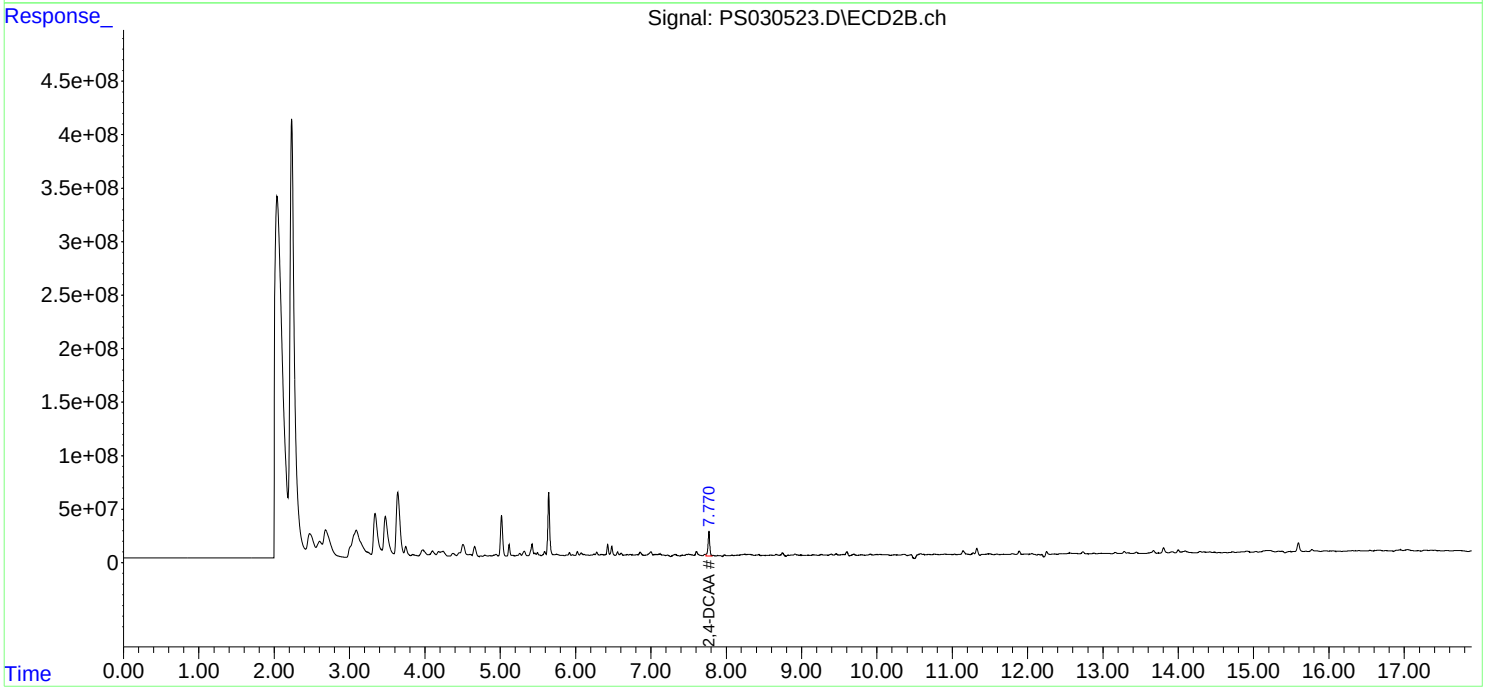
Instrument :
ECD_S
ClientSampleId :
TP-31

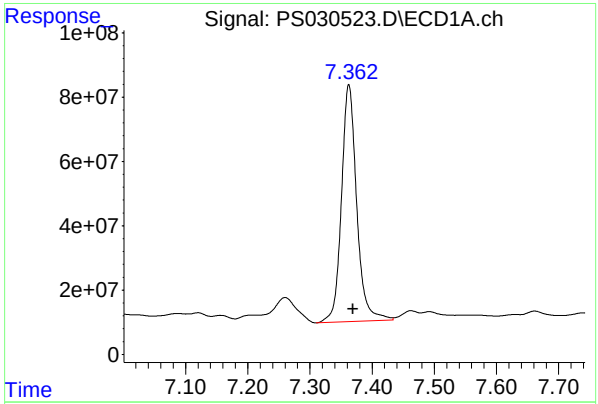
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 08:34:45 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







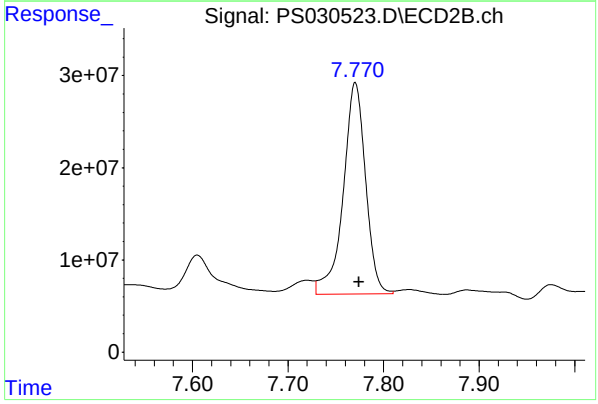
#4 2,4-DCAA

R.T.: 7.363 min
Delta R.T.: -0.006 mi
Response: 1258394171
Conc: 333.34 ng/m

Instrument :
ECD_S
ClientSampleId :
TP-31

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



#4 2,4-DCAA

R.T.: 7.770 min
Delta R.T.: -0.004 min
Response: 371715481
Conc: 345.59 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030524.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 08:05
Operator : AR\AJ
Sample : Q2176-08
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-65

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 09:00:44 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	7.363	7.770	1193.2E6	387.0E6	316.069	359.840
	Target Compounds						

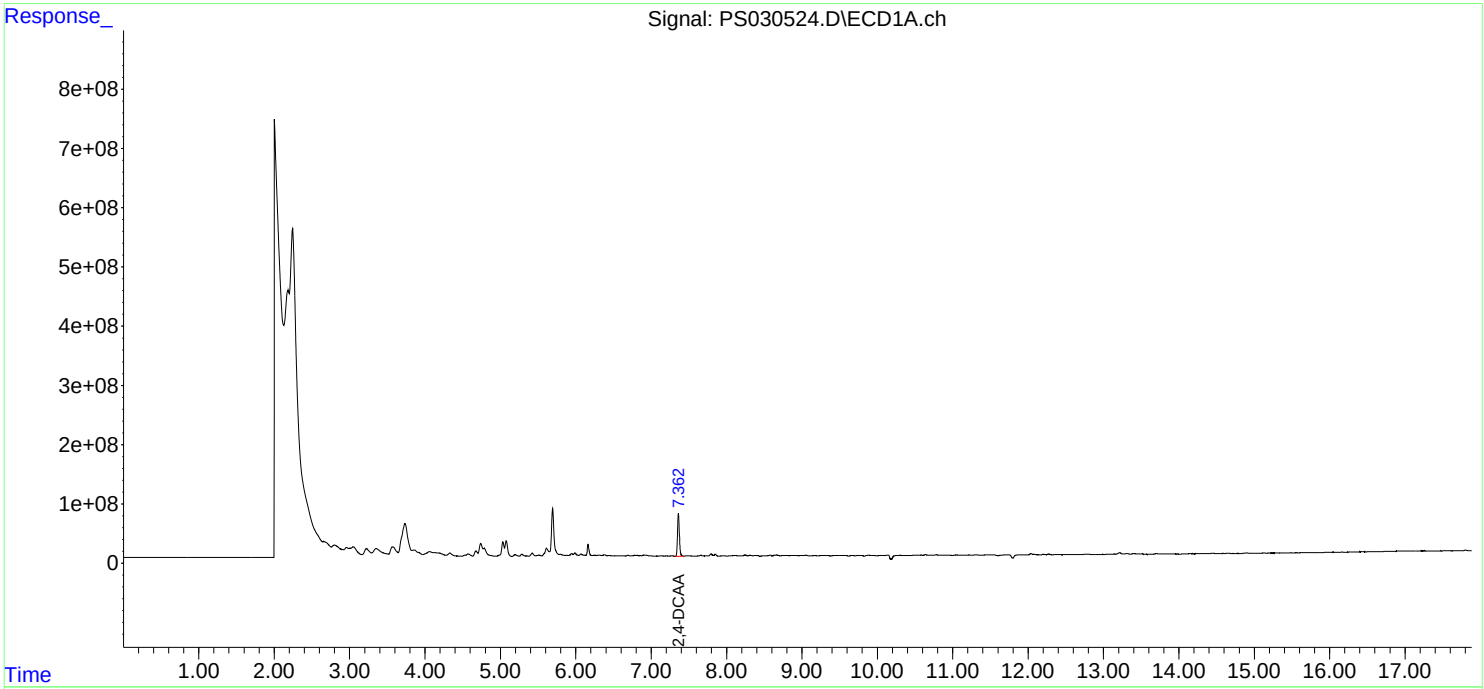
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

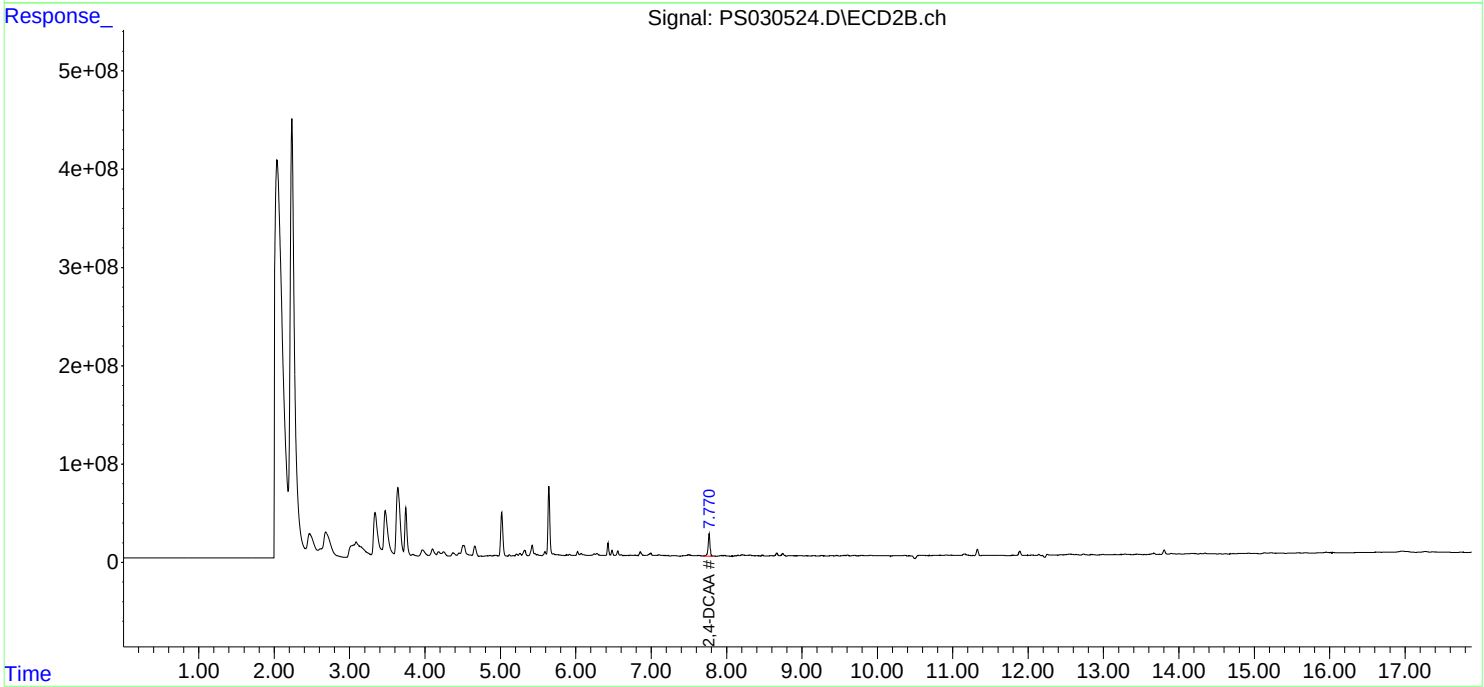
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030524.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 08:05
Operator : AR\AJ
Sample : Q2176-08
Misc :
ALS Vial : 36 Sample Multiplier: 1

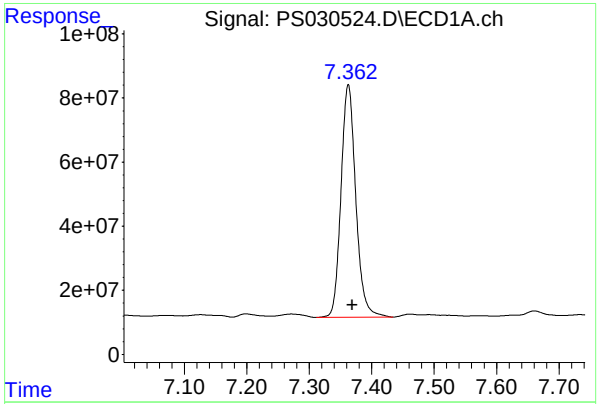
Instrument :
ECD_S
ClientSampleId :
TP-65

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 09:00:44 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



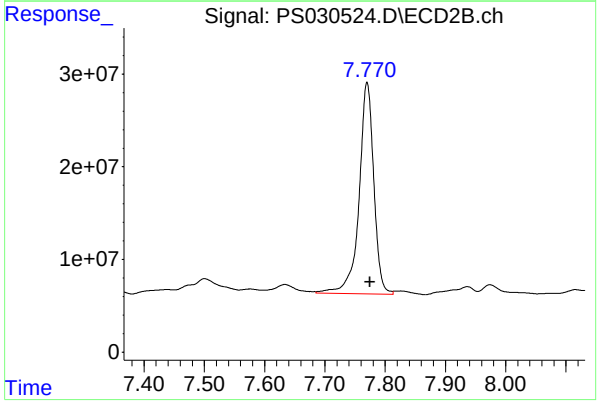




#4 2,4-DCAA

R.T.: 7.363 min
Delta R.T.: -0.006 min
Response: 1193205474
Conc: 316.07 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-65



#4 2,4-DCAA

R.T.: 7.770 min
Delta R.T.: -0.004 min
Response: 387047476
Conc: 359.84 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030513.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 03:17
Operator : AR\AJ
Sample : PB168254BL
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168254BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:33:13 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	7.364	7.772	1641.8E6	507.3E6	434.897	471.631
	Target Compounds						

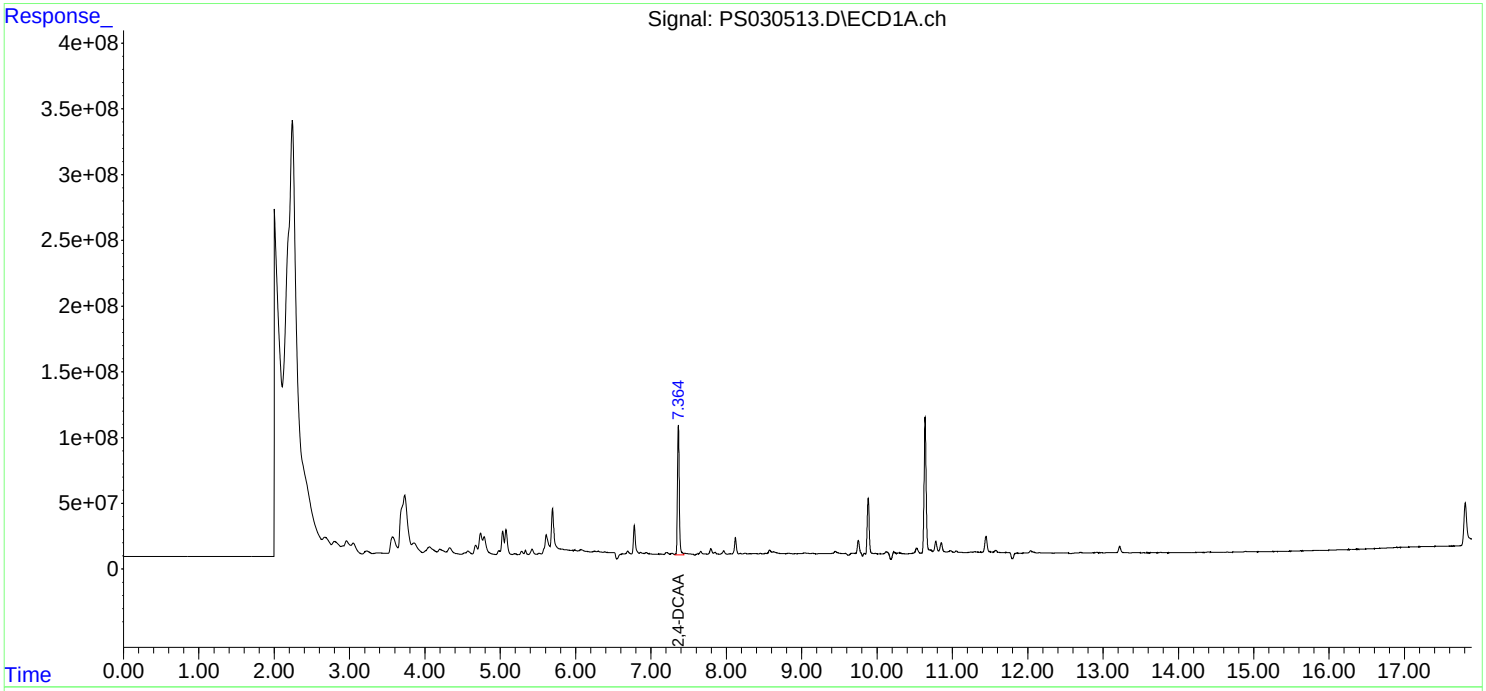
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

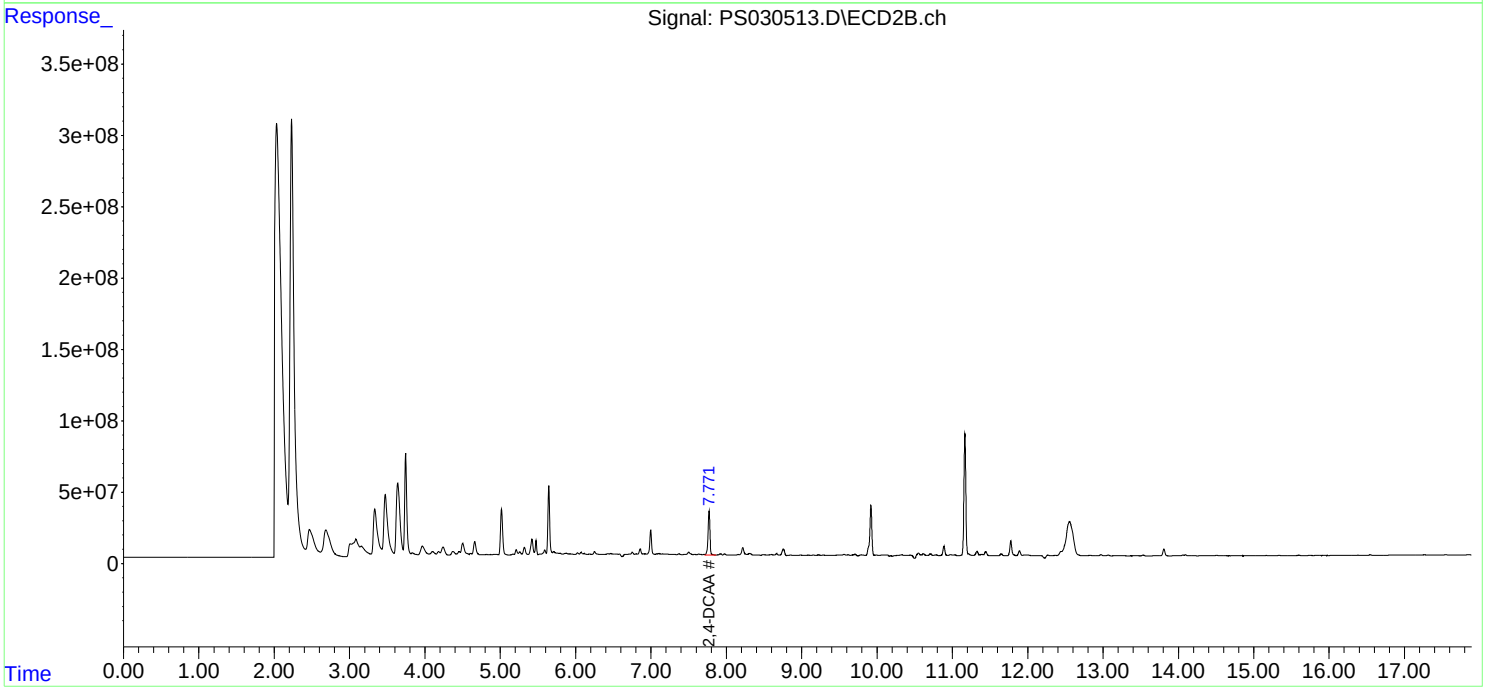
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030513.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 03:17
Operator : AR\AJ
Sample : PB168254BL
Misc :
ALS Vial : 27 Sample Multiplier: 1

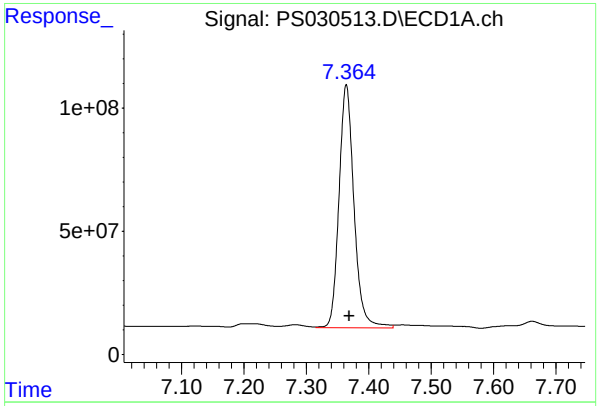
Instrument :
ECD_S
ClientSampleId :
PB168254BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:33:13 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



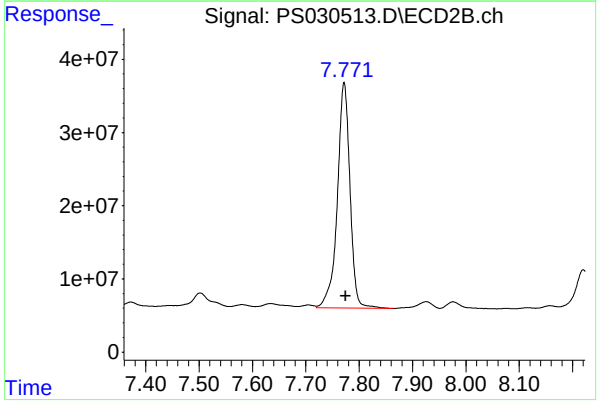




#4 2,4-DCAA

R.T.: 7.364 min
Delta R.T.: -0.005 min
Response: 1641800455
Conc: 434.90 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168254BL



#4 2,4-DCAA

R.T.: 7.772 min
Delta R.T.: -0.003 min
Response: 507291165
Conc: 471.63 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030514.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 03:41
Operator : AR\AJ
Sample : PB168254BS
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168254BS

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 05 05:33:24 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	7.363	7.771	1917.1E6	539.6E6	507.825m	501.682
		Target Compounds						
1)	T	Dalapon	2.713	2.712	2575.5E6	1215.8E6	456.093	443.712
2)	T	3,5-DICHL...	6.520	6.715	2633.6E6	737.5E6	485.335	471.471
3)	T	4-Nitroph...	7.162	7.301	854.7E6	716.5E6	466.096	457.163
5)	T	DICAMBA	7.555	7.975	7510.3E6	3048.2E6	486.971	473.206
6)	T	MCPP	7.736	8.073	417.0E6	107.5E6	42.101	46.495
7)	T	MCPA	7.887	8.322	570.6E6	148.0E6	44.968	47.971m
8)	T	DICHLORPROP	8.272	8.695	1751.3E6	704.8E6	481.374	474.893
9)	T	2,4-D	8.504	9.031	1746.2E6	770.9E6	479.248	490.288
10)	T	Pentachlo...	8.813	9.558	27296.4E6	17991.6E6	537.476	497.857
11)	T	2,4,5-TP ...	9.396	9.938	10291.7E6	6657.5E6	498.023	485.356
12)	T	2,4,5-T	9.689	10.364	8859.1E6	6307.7E6	480.663	483.082
13)	T	2,4-DB	10.269	10.932	1399.8E6	545.0E6	461.005	474.085
14)	T	DINOSEB	11.492	11.317	7035.5E6	4758.3E6	489.428	473.460
15)	T	Picloram	11.298	12.424	8717.7E6	10022.9E6	435.781m	453.858m
16)	T	DCPA	11.787	12.362	13539.5E6	10004.0E6	512.084	488.882

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

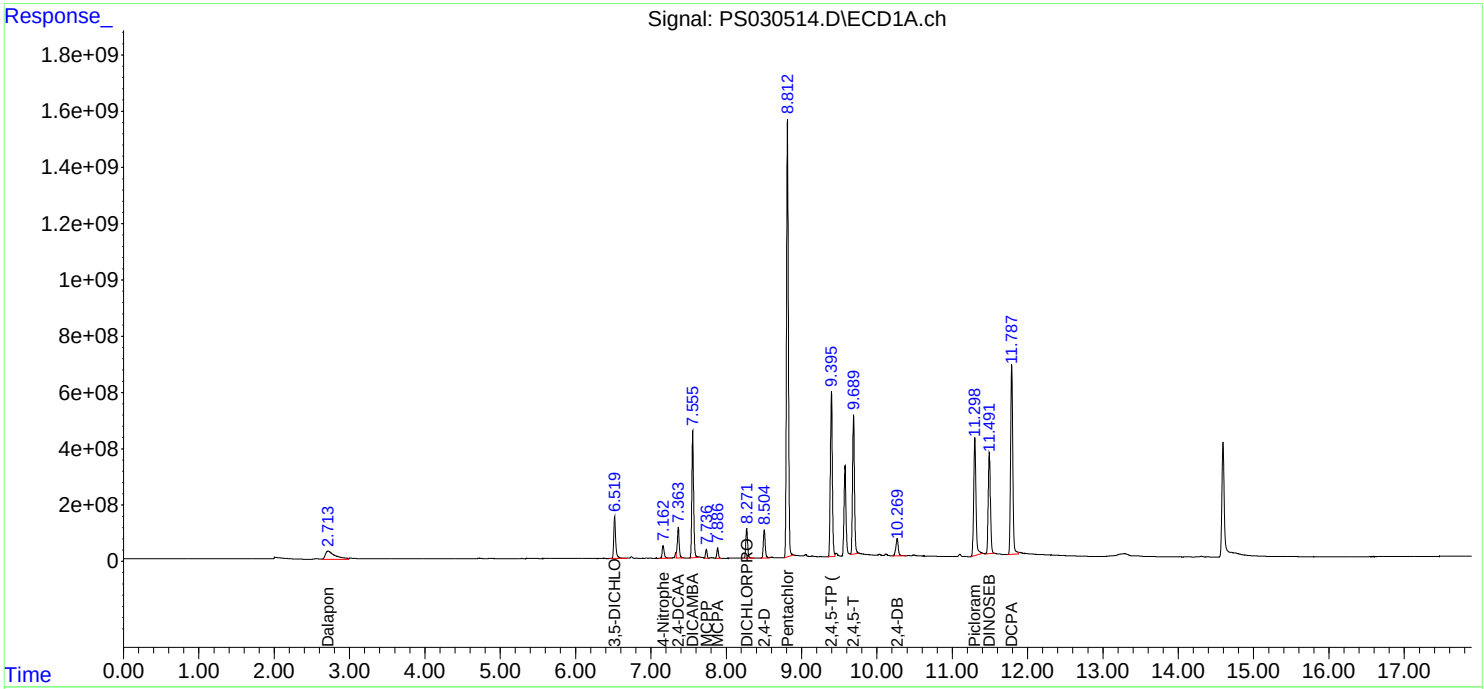
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030514.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 03:41
Operator : AR\AJ
Sample : PB168254BS
Misc :
ALS Vial : 28 Sample Multiplier: 1

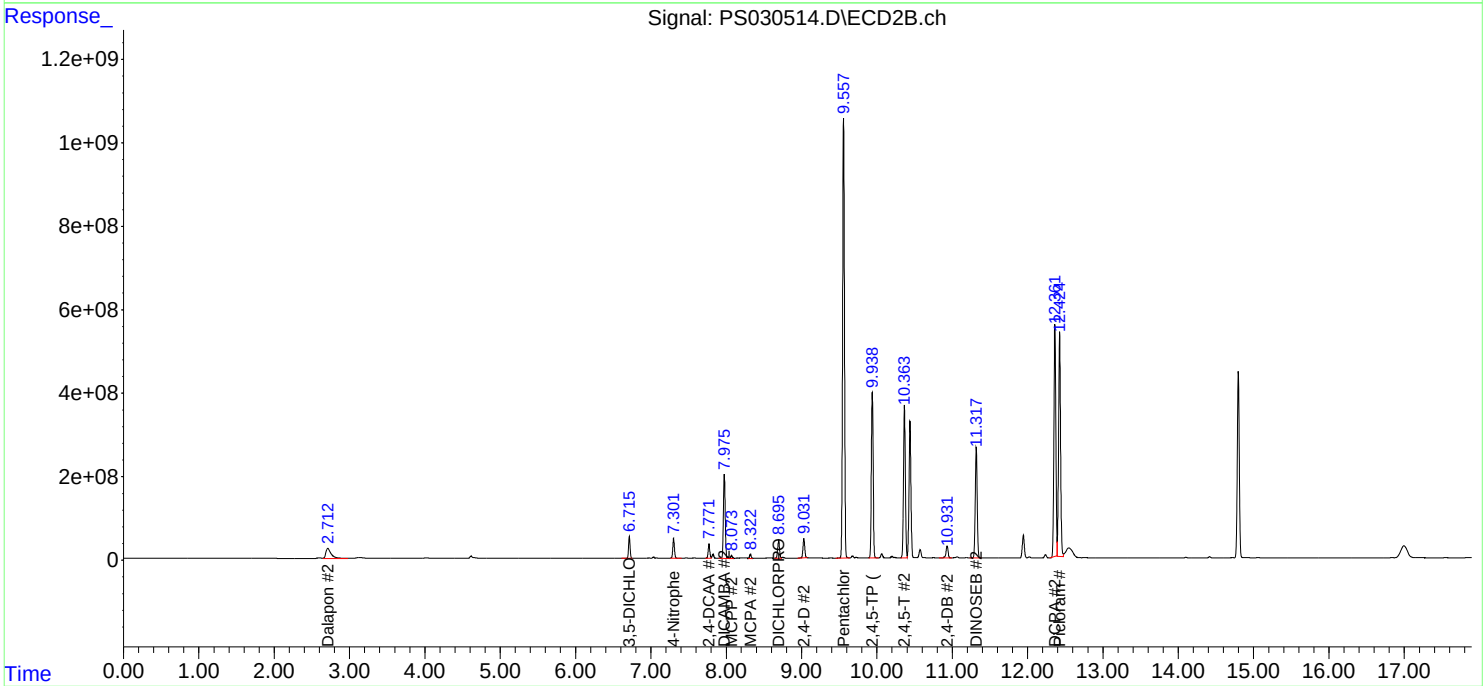
Instrument :
ECD_S
ClientSampleId :
PB168254BS

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 05 05:33:24 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\PS060425\
Data File : PS030500.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 21:40
Operator : AR\AJ
Sample : Q2160-05MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP05-MHH-WCMS

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 05 01:40:30 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	7.364	7.772	1865.9E6	515.9E6	494.252	479.671
		Target Compounds						
1)	T	Dalapon	2.713	2.708	849.6E6	2205.7E6	150.445m	805.005 #
2)	T	3,5-DICHL...	6.520	6.715	2594.1E6	750.4E6	478.053m	479.713
5)	T	DICAMBA	7.556	7.975	6739.4E6	2864.7E6	436.984	444.720
6)	T	MCPP	7.737	8.074	363.5E6	84868532	36.703	36.714
7)	T	MCPA	7.888	8.321	538.3E6	107.5E6	42.423	34.846
8)	T	DICHLORPROP	8.272	8.695	1704.7E6	703.9E6	468.565	474.269
9)	T	2,4-D	8.504	9.031	2112.1E6	732.5E6	579.665	465.892
10)	T	Pentachlo...	8.814	9.558	16591.6E6	10957.8E6	326.695	303.221
11)	T	2,4,5-TP ...	9.397	9.938	9843.9E6	6686.3E6	476.353	487.459
12)	T	2,4,5-T	9.691	10.364	8745.3E6	6050.9E6	474.486	463.417
13)	T	2,4-DB	10.271	10.932	998.1E6	485.8E6	328.728m	422.643 #
15)	T	Picloram	11.300	12.426	7291.4E6	7978.3E6	364.482	361.274
16)	T	DCPA	11.788	12.362	10100.5E6	9418.0E6	382.015	460.245

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030500.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 21:40
Operator : AR\AJ
Sample : Q2160-05MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

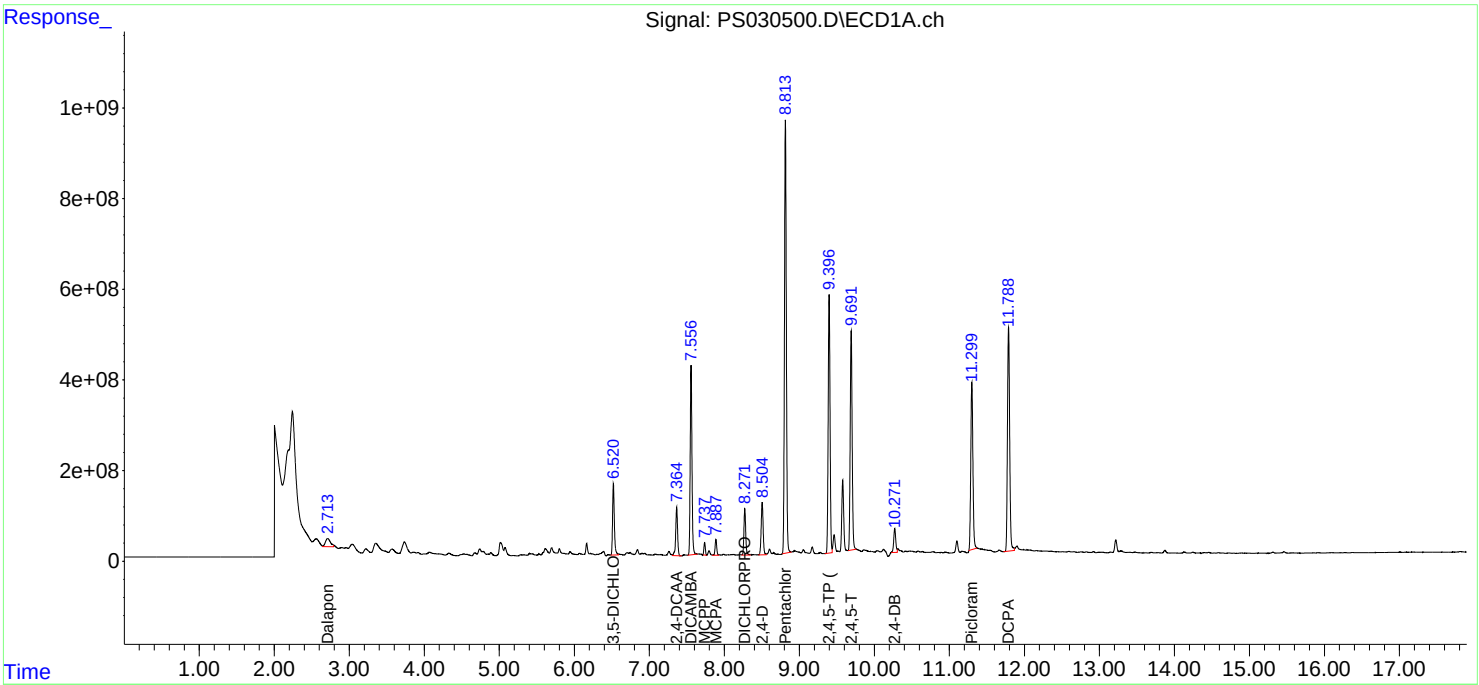
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:40:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial Calibration
Integrator: ChemStation

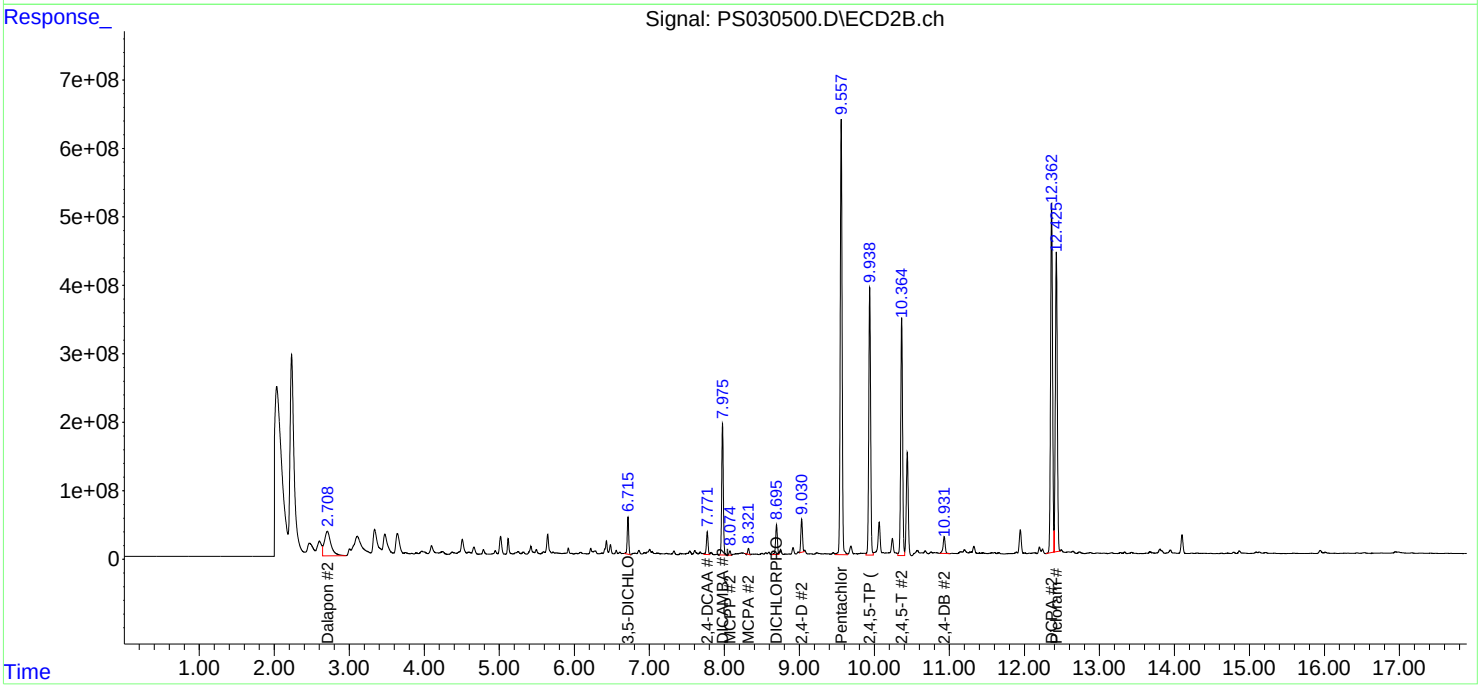
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Instrument :
ECD_S
ClientSampleId :
TP05-MHH-WCMS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030501.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 22:04
Operator : AR\AJ
Sample : Q2160-05MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP05-MHH-WCMSD

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 05 01:40:42 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	7.364	7.772	1870.9E6	537.0E6	495.570	499.206
		Target Compounds						
1)	T	Dalapon	2.714	2.708	789.7E6	2181.2E6	139.850m	796.048 #
2)	T	3,5-DICHL...	6.521	6.715	2592.3E6	750.7E6	477.727	479.937m
5)	T	DICAMBA	7.556	7.976	6785.5E6	2887.1E6	439.974	448.192
6)	T	MCPP	7.737	8.074	366.7E6	84188413	37.019	36.420
7)	T	MCPA	7.888	8.322	522.2E6	133.8E6	41.152	43.367m
8)	T	DICHLORPROP	8.272	8.696	1709.9E6	703.0E6	470.005	473.627
9)	T	2,4-D	8.504	9.032	2109.0E6	723.8E6	578.809	460.361
10)	T	Pentachlo...	8.814	9.558	15725.0E6	10388.5E6	309.631	287.468
11)	T	2,4,5-TP ...	9.397	9.939	9824.0E6	6716.2E6	475.390	489.635
12)	T	2,4,5-T	9.692	10.364	8767.2E6	6068.0E6	475.673	464.725
13)	T	2,4-DB	10.272	10.932	989.4E6	476.8E6	325.862m	414.755 #
15)	T	Picloram	11.299	12.426	7289.1E6	7986.4E6	364.368	361.638
16)	T	DCPA	11.787	12.363	10185.4E6	9458.4E6	385.226	462.220

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

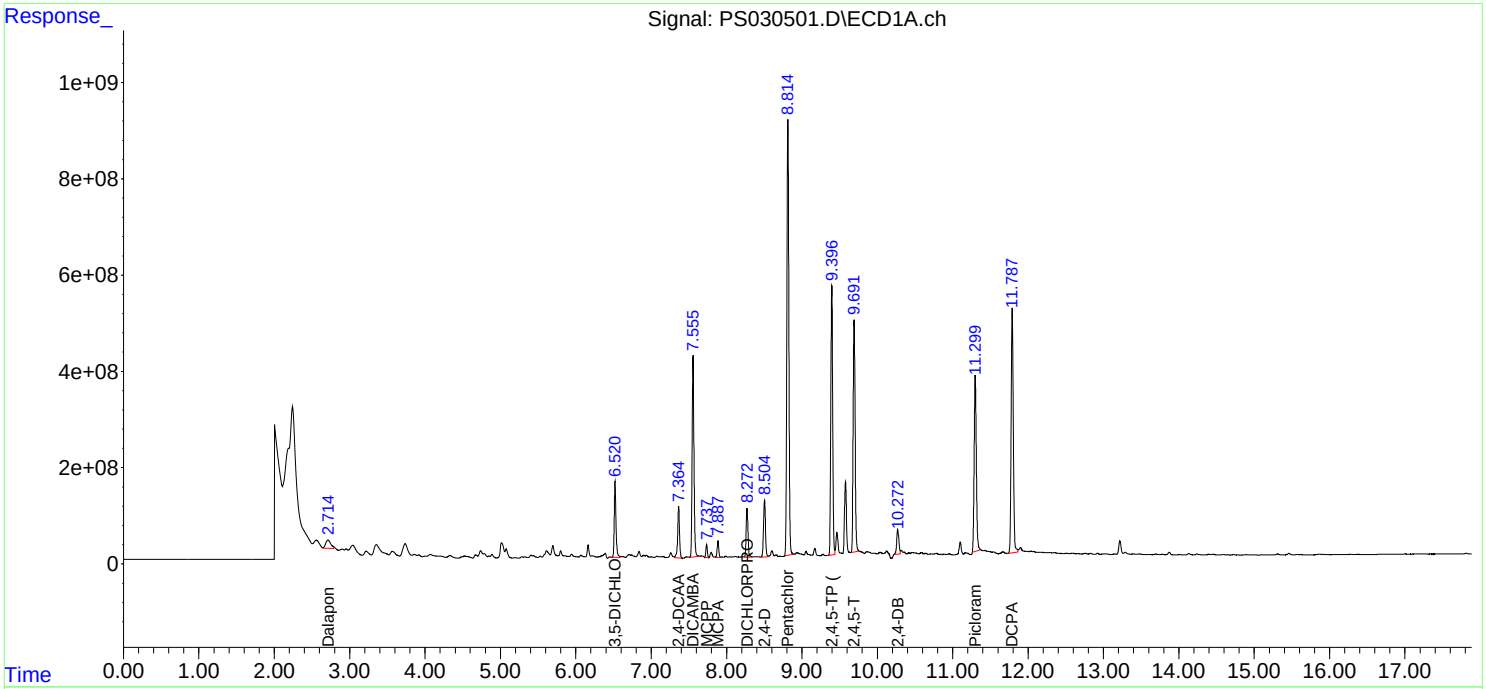
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030501.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 22:04
Operator : AR\AJ
Sample : Q2160-05MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

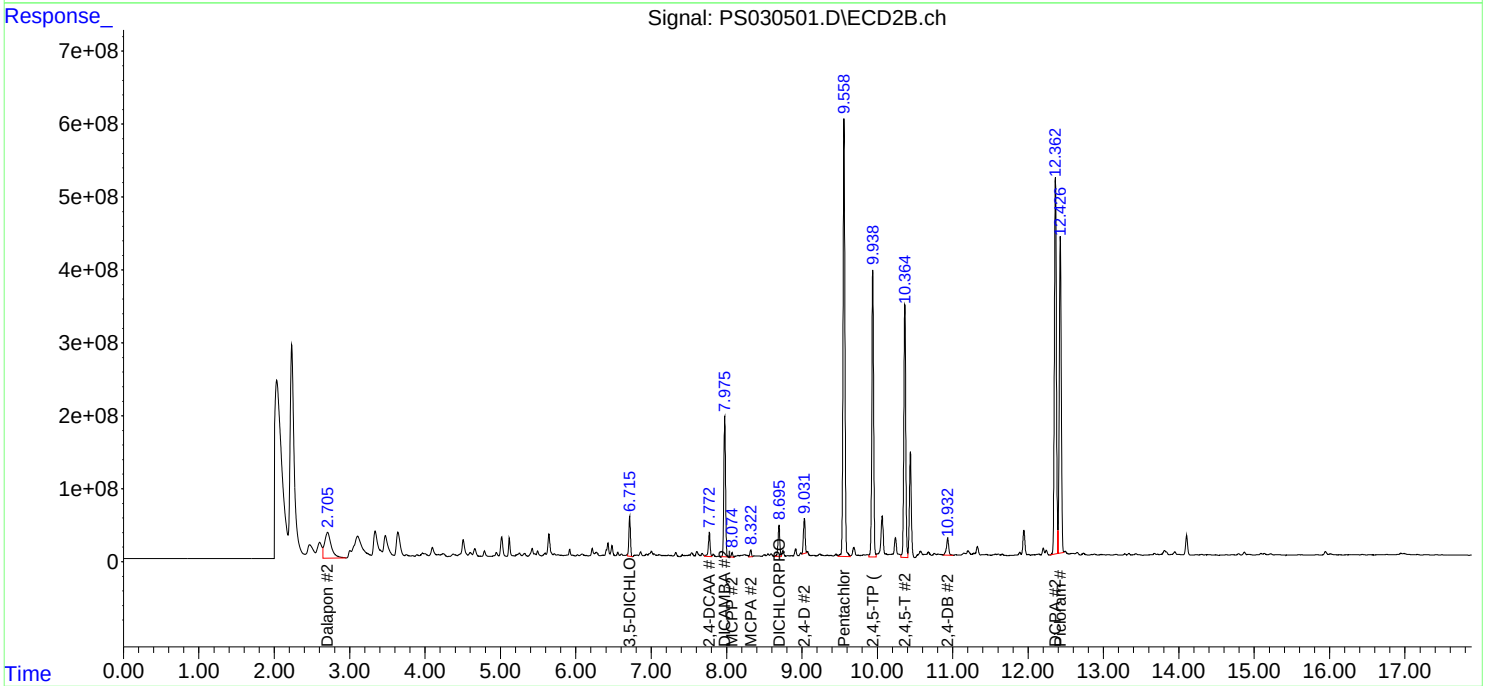
Instrument :
ECD_S
ClientSampleId :
TP05-MHH-WCMSD

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 05 01:40:42 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:	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
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
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

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

Manual Integration Report

Sequence:	PS060425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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
Q2160-05MS	PS030500.D	2,4-DB	Abdul	6/5/2025 11:55:29 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2160-05MS	PS030500.D	3,5-DICHLOROBENZOIC ACID	Abdul	6/5/2025 11:55:29 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2160-05MS	PS030500.D	Dalapon	Abdul	6/5/2025 11:55:29 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2160-05MSD	PS030501.D	2,4-DB	Abdul	6/5/2025 11:55:33 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2160-05MSD	PS030501.D	3,5-DICHLOROBENZOIC ACID #2	Abdul	6/5/2025 11:55:33 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2160-05MSD	PS030501.D	Dalapon	Abdul	6/5/2025 11:55:33 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2160-05MSD	PS030501.D	MCPA #2	Abdul	6/5/2025 11:55:33 AM	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
PB168254BS	PS030514.D	2,4-DCAA	Abdul	6/5/2025 3:54:09 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
PB168254BS	PS030514.D	MCPA #2	Abdul	6/5/2025 3:54:09 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
PB168254BS	PS030514.D	Picloram	Abdul	6/5/2025 3:54:09 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
PB168254BS	PS030514.D	Picloram #2	Abdul	6/5/2025 3:54:09 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
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
Q2176-02	PS030518.D	2,4-DCAA #2	Abdul	6/5/2025 11:56:00 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2176-06	PS030522.D	2,4-DCAA #2	Abdul	6/5/2025 11:56:05 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2176-07	PS030523.D	2,4-DCAA #2	Abdul	6/5/2025 11:56:09 AM	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:	ps060525	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030529.D	2,4-DCAA	Abdul	6/6/2025 10:20:44 AM	mohammad	6/9/2025 6:08:42	Peak Integrated by Software
HSTDCCC750	PS030529.D	DCPA #2	Abdul	6/6/2025 10:20:44 AM	mohammad	6/9/2025 6:08:42	Peak Integrated by Software
HSTDCCC750	PS030529.D	MCPP	Abdul	6/6/2025 10:20:44 AM	mohammad	6/9/2025 6:08:42	Peak Integrated by Software
HSTDCCC750	PS030529.D	Picloram	Abdul	6/6/2025 10:20:44 AM	mohammad	6/9/2025 6:08:42	Peak Integrated by Software
HSTDCCC750	PS030532.D	2,4-DCAA	Abdul	6/6/2025 10:20:51 AM	mohammad	6/9/2025 6:08:42	Peak Integrated by Software
HSTDCCC750	PS030532.D	DCPA #2	Abdul	6/6/2025 10:20:51 AM	mohammad	6/9/2025 6:08:42	Peak Integrated by Software
HSTDCCC750	PS030532.D	Picloram	Abdul	6/6/2025 10:20:51 AM	mohammad	6/9/2025 6:08:42	Peak Integrated by Software

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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 # PS060525

Review By	Abdul	Review On	6/6/2025 10:21:03 AM		
Supervise By	mohammad	Supervise On	6/9/2025 6:08:42 AM		
SubDirectory	PS060525	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	PS030527.D	05 Jun 2025 09:58	AR\AJ	Ok
2	I.BLK	PS030528.D	05 Jun 2025 10:22	AR\AJ	Ok
3	HSTDCCC750	PS030529.D	05 Jun 2025 10:46	AR\AJ	Ok,M
4	Q2176-04	PS030530.D	05 Jun 2025 13:03	AR\AJ	Ok
5	I.BLK	PS030531.D	05 Jun 2025 14:54	AR\AJ	Ok
6	HSTDCCC750	PS030532.D	05 Jun 2025 15:18	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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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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Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS060525

Review By	Abdul	Review On	6/6/2025 10:21:03 AM		
Supervise By	mohammad	Supervise On	6/9/2025 6:08:42 AM		
SubDirectory	PS060525	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	PS030527.D	05 Jun 2025 09:58		AR\AJ	Ok
2	I.BLK	I.BLK	PS030528.D	05 Jun 2025 10:22		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS030529.D	05 Jun 2025 10:46		AR\AJ	Ok,M
4	Q2176-04	TP-26	PS030530.D	05 Jun 2025 13:03		AR\AJ	Ok
5	I.BLK	I.BLK	PS030531.D	05 Jun 2025 14:54		AR\AJ	Ok
6	HSTDCCC750	HSTDCCC750	PS030532.D	05 Jun 2025 15:18		AR\AJ	Ok,M

M : Manual Integration

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EXTRACTION LOGPAGE

PB168254

SOP ID:	M8151A-Herbicide-23				
Clean Up SOP #:	N/A			**Extraction Start Date :**	06/03/2025
Matrix :	Solid			**Extraction Start Time :**	09:00
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	06/03/2025
Balance check:	EH	**Filter By:**	RJ	**Extraction End Time :**	16:30
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	EP2621
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
6/3/25	RS (EM-lab)	R. Pest/PCB Lab
16:35	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168254

Analytical Method: M8151A-Herbicide-23 **Concentration Date:** 06/03/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168254BL	HBLK254	Herbicide	30.01	N/A	ritesh	Evelyn	10			U2-1
PB168254BS	HLCS254	Herbicide	30.02	N/A	ritesh	Evelyn	10			2
Q2159-01	TP05-MHO-WC	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		3
Q2160-01	TP04-MHG-WC	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		4
Q2160-05	TP05-MHH-WC	Herbicide	30.02	N/A	ritesh	Evelyn	10	E		5
Q2160-05MS	TP05-MHH-WCMS	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		6
Q2160-05MSD	TP05-MHH-WCMSD	Herbicide	30.01	N/A	ritesh	Evelyn	10	E		U3-1
Q2172-01	TP06-MHQ	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		2
Q2176-01	TP-46	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		3
Q2176-02	TP-56	Herbicide	30.07	N/A	ritesh	Evelyn	10	E		4
Q2176-03	TP-25	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		5
Q2176-04	TP-26	Herbicide	30.01	N/A	ritesh	Evelyn	10	E		6
Q2176-05	TP-28	Herbicide	30.08	N/A	ritesh	Evelyn	10	E		U6-1
Q2176-06	TP-27	Herbicide	30.02	N/A	ritesh	Evelyn	10	E		2
Q2176-07	TP-31	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		3
Q2176-08	TP-65	Herbicide	30.07	N/A	ritesh	Evelyn	10	E		4
Q2185-01	TP02-MHB-WC	Herbicide	30.03	N/A	ritesh	Evelyn	10	B		5
Q2185-05	TP01-MHB-WC	Herbicide	30.06	N/A	ritesh	Evelyn	10	B		6

RS 6/3

* **Extracts relinquished on the same date as received.**

Q2176 SGS 1000

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2159H **WorkList ID :** 189893 **Department :** Extraction **Date :** 06-03-2025 08:50:48

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2159-01	TP05-MHO-WC	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/29/2025	8151A
Q2160-01	TP04-MHG-WC	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/29/2025	8151A
Q2160-05	TP05-MHH-WC	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/29/2025	8151A
Q2172-01	TP06-MHQ	Solid	Herbicide	Cool 4 deg C	PSEG03	L31	05/30/2025	8151A
Q2176-01	TP-46	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/28/2025	8151A
Q2176-02	TP-56	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/29/2025	8151A
Q2176-03	TP-25	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/29/2025	8151A
Q2176-04	TP-26	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/29/2025	8151A
Q2176-05	TP-28	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/29/2025	8151A
Q2176-06	TP-27	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/29/2025	8151A
Q2176-07	TP-31	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/29/2025	8151A
Q2176-08	TP-65	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/30/2025	8151A
Q2185-01	TP02-MHB-WC	Solid	Herbicide	Cool 4 deg C	PSEG03	L31	06/02/2025	8151A
Q2185-05	TP01-MHB-WC	Solid	Herbicide	Cool 4 deg C	PSEG03	L31	06/02/2025	8151A

1032 of 1275

Date/Time 06/03/25 8:55
Raw Sample Received by: RJ (LEFT-Cab)
Raw Sample Relinquished by: JM/SH

Date/Time 06/03/25 9:15
Raw Sample Received by: JM/SH
Raw Sample Relinquished by: RJ (LEFT-Cab)

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

LAB CHRONICLE

OrderID:	Q2176	**OrderDate:**	5/30/2025 4:04:00 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
Q2176-01	**TP-46**	**SOIL**			**05/28/25**			**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/04/25	
			Herbicide	8151A		06/03/25	06/05/25	
			PCB	8082A		06/03/25	06/04/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-02	**TP-56**	**SOIL**			**05/29/25**			**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/03/25	
			Herbicide	8151A		06/03/25	06/05/25	
			PCB	8082A		06/03/25	06/04/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-03	**TP-25**	**SOIL**			**05/29/25**			**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/03/25	
			Herbicide	8151A		06/03/25	06/05/25	
			PCB	8082A		06/03/25	06/04/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-04	**TP-26**	**SOIL**			**05/29/25**			**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/03/25	
			Herbicide	8151A		06/03/25	06/05/25	
			PCB	8082A		06/03/25	06/03/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-05	**TP-28**	**SOIL**			**05/29/25**			**05/30/25**
			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		06/03/25	06/05/25
			PCB	8082A		06/03/25	06/03/25
			Pesticide-TCL	8081B		06/03/25	06/03/25
Q2176-06	**TP-27**	**SOIL**			**05/29/25**		**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25
			Gasoline Range Organics	8015D			06/03/25
			Herbicide	8151A		06/03/25	06/05/25
			PCB	8082A		06/03/25	06/03/25
			Pesticide-TCL	8081B		06/03/25	06/03/25
Q2176-07	**TP-31**	**SOIL**			**05/29/25**		**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25
			Gasoline Range Organics	8015D			06/03/25
			Herbicide	8151A		06/03/25	06/05/25
			PCB	8082A		06/03/25	06/03/25
			Pesticide-TCL	8081B		06/03/25	06/03/25
Q2176-08	**TP-65**	**SOIL**			**05/30/25**		**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25
			Gasoline Range Organics	8015D			06/04/25
			Herbicide	8151A		06/03/25	06/05/25
			PCB	8082A		06/03/25	06/03/25
			Pesticide-TCL	8081B		06/03/25	06/03/25

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:	05/28/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-46	SDG No.:	Q2176
Lab Sample ID:	Q2176-01	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
FF015900.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	2490		202	1990	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	22.7		37 - 130	114%	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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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-56	SDG No.:	Q2176
Lab Sample ID:	Q2176-02	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	86.2 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
FF015901.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	1470	J	196	1930	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	12.6		37 - 130	63%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25	SDG No.:	Q2176
Lab Sample ID:	Q2176-03	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	85.7 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
FF015902.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	2330		197	1940	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	18.1		37 - 130	91%	SPK: 20

Comments:

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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-26	SDG No.:	Q2176
Lab Sample ID:	Q2176-04	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	85.2 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
FF015903.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	12000		198	1960	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	13.2		37 - 130	66%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-28	SDG No.:	Q2176
Lab Sample ID:	Q2176-05	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	90.5 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
FF015904.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	2170		186	1840	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	10.8		37 - 130	54%	SPK: 20

Comments:

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Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-27	SDG No.:	Q2176
Lab Sample ID:	Q2176-06	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	83.1 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
FF015905.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	1690	J	203	2000	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	10.2		37 - 130	51%	SPK: 20

Comments:

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-31	SDG No.:	Q2176
Lab Sample ID:	Q2176-07	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	86.8 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
FF015906.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	1530	J	194	1920	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	10.0		37 - 130	50%	SPK: 20

Comments:

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Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-65	SDG No.:	Q2176
Lab Sample ID:	Q2176-08	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	87.3 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
FF015907.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	1850	J	193	1910	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	10.7		37 - 130	54%	SPK: 20

Comments:

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() = 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.: Q2176 SAS No.: Q2176 SDG No.: Q2176

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-54MS	55				0
TP-54MSD	57				0
TP-46	114				0
TP-56	63				0
TP-25	91				0
TP-26	66				0
TP-28	54				0
TP-27	51				0
TP-31	50				0
TP-65	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:** Q2176 **SAS No :** Q2176 **SDG No:** Q2176

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:** Q2176 **SAS No :** Q2176 **SDG No:** Q2176

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:** Q2176 **SAS No :** Q2176 **SDG No:** Q2176

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.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

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-54MS	Q2150-09MS	FF015898.D	06/04/25
TP-54MSD	Q2150-09MSD	FF015899.D	06/04/25
TP-46	Q2176-01	FF015900.D	06/04/25
TP-56	Q2176-02	FF015901.D	06/04/25
TP-25	Q2176-03	FF015902.D	06/04/25
TP-26	Q2176-04	FF015903.D	06/04/25
TP-28	Q2176-05	FF015904.D	06/04/25
TP-27	Q2176-06	FF015905.D	06/04/25
TP-31	Q2176-07	FF015906.D	06/04/25
TP-65	Q2176-08	FF015907.D	06/04/25
PB168274BS	PB168274BS	FG015913.D	06/04/25

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:	PB168274BL	SDG No.:	Q2176
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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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.:	Q2176
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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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.:	Q2176
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

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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-FG015909.D	SDG No.:	Q2176
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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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.:	Q2176
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.:	Q2176
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.:	Q2176
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

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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.:	Q2176
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

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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.: Q2176 SAS No.: Q2176 SDG No.: Q2176

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.: Q2176 SAS No.: Q2176 SDG No.: Q2176

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.: Q2176 SAS No.: Q2176 SDG No.: Q2176

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.: Q2176 SAS No.: Q2176 SDG No.: Q2176

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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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.: Q2176 SAS No.: Q2176 SDG No.: Q2176

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.: Q2176 SAS No.: Q2176 SDG No.: Q2176

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.:** Q2176

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-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	
TP-46	Q2176-01	04 Jun 2025 14:16	FF015900.D	15.018	
TP-56	Q2176-02	04 Jun 2025 14:46	FF015901.D	15.017	
TP-25	Q2176-03	04 Jun 2025 15:15	FF015902.D	15.016	
TP-26	Q2176-04	04 Jun 2025 15:45	FF015903.D	15.018	
TP-28	Q2176-05	04 Jun 2025 16:48	FF015904.D	15.020	
TP-27	Q2176-06	04 Jun 2025 17:18	FF015905.D	15.018	
TP-31	Q2176-07	04 Jun 2025 17:47	FF015906.D	15.021	
TP-65	Q2176-08	04 Jun 2025 18:17	FF015907.D	15.020	
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	
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_F\Data\FF060425\
Data File : FF015900.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 14:16
Operator : YP\AJ
Sample : Q2176-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-46

Integration File: autoint1.e
Quant Time: Jun 05 03:03:30 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	2777704	22.743 ug/ml
Target Compounds			

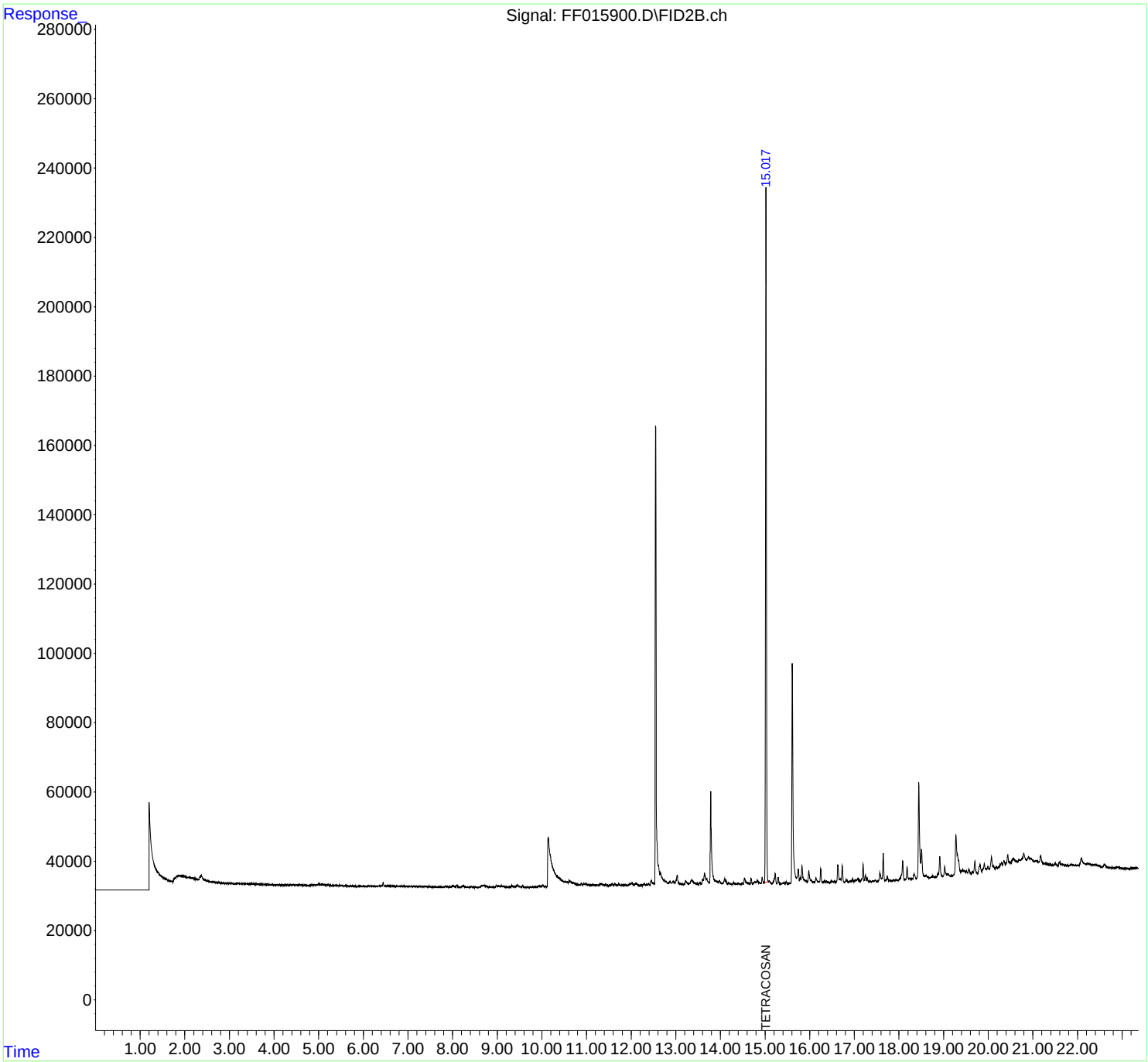
(f)=RT Delta > 1/2 Window (m)=manual int.

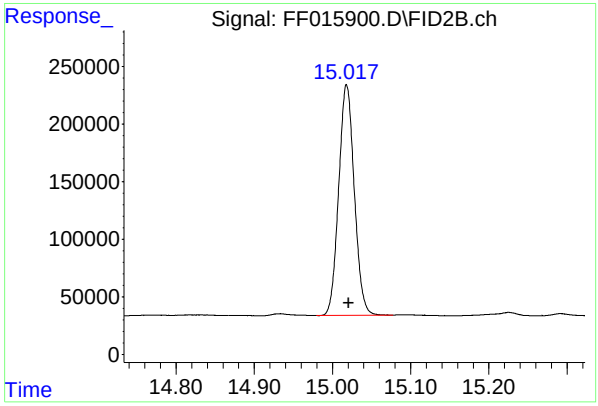
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF060425\
Data File : FF015900.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 14:16
Operator : YP\AJ
Sample : Q2176-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-46

Integration File: autoint1.e
Quant Time: Jun 05 03:03:30 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.: 15.018 min
Delta R.T.: -0.003 mi
Response: 2777704
Conc: 22.74 ug/m

Instrument :
FID_F
ClientSampleId :
TP-46

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 : FF015900.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 14:16
Sample : Q2176-01
Misc :
ALS Vial : 74 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	4.514	4.500	4.525	BV	113	522	0.02%	0.005%
2	4.537	4.525	4.547	PV	130	1228	0.04%	0.011%
3	4.551	4.547	4.555	VV	123	491	0.02%	0.004%
4	4.565	4.555	4.571	VV	143	1130	0.04%	0.010%
5	4.575	4.571	4.580	VV	150	577	0.02%	0.005%
6	4.584	4.580	4.594	VV	182	976	0.03%	0.009%
7	4.597	4.594	4.607	VV	120	760	0.03%	0.007%
8	4.612	4.607	4.626	VV	102	1211	0.04%	0.011%
9	4.630	4.626	4.645	VV	115	1124	0.04%	0.010%
10	4.650	4.645	4.670	VV	173	1160	0.04%	0.010%
11	4.676	4.670	4.681	VV	128	553	0.02%	0.005%
12	4.687	4.681	4.720	VV	138	2135	0.08%	0.019%
13	4.726	4.720	4.744	VV	111	817	0.03%	0.007%
14	4.746	4.744	4.764	VV	102	544	0.02%	0.005%
15	4.771	4.764	4.789	PV	174	1378	0.05%	0.012%
16	4.808	4.789	4.815	VV	199	2060	0.07%	0.019%
17	4.842	4.815	4.849	VV	214	3151	0.11%	0.028%
18	4.895	4.849	4.899	VV	264	5815	0.21%	0.052%
19	4.903	4.899	4.911	VV	317	1848	0.07%	0.017%
20	4.928	4.911	4.934	VV	328	3677	0.13%	0.033%
21	4.949	4.934	4.954	VV	362	3582	0.13%	0.032%
22	4.959	4.954	4.965	VV	371	2022	0.07%	0.018%
23	4.990	4.965	5.005	VV	447	9364	0.33%	0.084%
24	5.010	5.005	5.015	VV	496	2586	0.09%	0.023%
25	5.018	5.015	5.043	VV	457	7090	0.25%	0.064%
26	5.050	5.043	5.064	VV	429	5076	0.18%	0.046%
27	5.068	5.064	5.102	VV	475	9215	0.33%	0.083%
28	5.106	5.102	5.124	VV	423	4692	0.17%	0.042%
29	5.131	5.124	5.135	VV	383	2307	0.08%	0.021%
30	5.143	5.135	5.150	VV	574	3025	0.11%	0.027%
31	5.174	5.150	5.177	VV	384	5452	0.19%	0.049%
32	5.182	5.177	5.190	VV	353	2364	0.08%	0.021%
33	5.207	5.190	5.230	VV	343	6157	0.22%	0.055%
34	5.234	5.230	5.242	VV	277	1631	0.06%	0.015%
35	5.248	5.242	5.266	VV	286	3090	0.11%	0.028%
36	5.269	5.266	5.280	VV	283	1601	0.06%	0.014%

rteres

37	5.285	5.280	5.327	VV	265	5654	0.20%	0.051%
38	5.330	5.327	5.351	VV	239	2872	0.10%	0.026%
39	5.381	5.351	5.405	VV	278	6188	0.22%	0.056%
40	5.408	5.405	5.426	VV	205	2089	0.07%	0.019%
41	5.429	5.426	5.442	VV	220	1643	0.06%	0.015%
42	5.448	5.442	5.454	VV	207	1335	0.05%	0.012%
43	5.459	5.454	5.488	VV	283	3991	0.14%	0.036%
44	5.495	5.488	5.504	VV	202	1713	0.06%	0.015%
45	5.510	5.504	5.522	VV	208	1640	0.06%	0.015%
46	5.527	5.522	5.547	VV	190	2103	0.07%	0.019%
47	5.551	5.547	5.557	VV	144	746	0.03%	0.007%
48	5.564	5.557	5.597	VV	133	2847	0.10%	0.026%
49	5.602	5.597	5.614	VV	200	1386	0.05%	0.012%
50	5.618	5.614	5.622	VV	128	428	0.02%	0.004%
51	5.645	5.622	5.655	VV	148	1925	0.07%	0.017%
52	5.661	5.655	5.688	VV	165	1608	0.06%	0.014%
53	5.695	5.688	5.724	VV	157	1895	0.07%	0.017%
54	5.732	5.724	5.755	VV	98	1704	0.06%	0.015%
55	5.764	5.755	5.788	VV	151	1871	0.07%	0.017%
56	5.795	5.788	5.807	VV	148	984	0.04%	0.009%
57	5.811	5.807	5.849	VV	136	2011	0.07%	0.018%
58	5.855	5.849	5.862	VV	125	619	0.02%	0.006%
59	5.870	5.862	5.877	PV	123	625	0.02%	0.006%
60	5.891	5.877	5.921	VV	152	3072	0.11%	0.028%
61	5.928	5.921	5.954	VV	146	1742	0.06%	0.016%
62	5.958	5.954	5.971	VV	134	789	0.03%	0.007%
63	5.983	5.971	5.988	VV	110	790	0.03%	0.007%
64	6.005	5.988	6.037	VV	162	2969	0.11%	0.027%
65	6.068	6.037	6.082	VV	159	2971	0.11%	0.027%
66	6.103	6.082	6.114	VV	207	2299	0.08%	0.021%
67	6.125	6.114	6.160	VV	176	4240	0.15%	0.038%
68	6.164	6.160	6.177	VV	217	1651	0.06%	0.015%
69	6.185	6.177	6.189	VV	164	1024	0.04%	0.009%
70	6.195	6.189	6.214	VV	240	2406	0.09%	0.022%
71	6.222	6.214	6.227	VV	211	1148	0.04%	0.010%
72	6.234	6.227	6.275	VV	215	3825	0.14%	0.034%
73	6.281	6.275	6.291	VV	180	1399	0.05%	0.013%
74	6.294	6.291	6.298	VV	208	776	0.03%	0.007%
75	6.301	6.298	6.310	VV	183	1047	0.04%	0.009%
76	6.327	6.310	6.359	VV	267	6188	0.22%	0.056%
77	6.362	6.359	6.373	VV	231	1774	0.06%	0.016%
78	6.386	6.373	6.391	VV	258	2494	0.09%	0.022%
79	6.443	6.391	6.486	VV	1268	25062	0.89%	0.225%
80	6.488	6.486	6.506	VV	217	2588	0.09%	0.023%
81	6.532	6.506	6.551	VV	332	6495	0.23%	0.058%
82	6.563	6.551	6.598	VV	258	6367	0.23%	0.057%
83	6.603	6.598	6.608	VV	235	1252	0.04%	0.011%
84	6.637	6.608	6.666	VV	297	7588	0.27%	0.068%
85	6.668	6.666	6.670	VV	219	554	0.02%	0.005%
86	6.675	6.670	6.680	VV	278	1416	0.05%	0.013%
87	6.685	6.680	6.694	VV	306	1856	0.07%	0.017%
88	6.717	6.694	6.735	VV	249	4810	0.17%	0.043%
89	6.745	6.735	6.821	VV	271	10193	0.36%	0.092%

rteres

90	6.841	6.821	6.852	VV	220	3390	0.12%	0.030%
91	6.861	6.852	6.897	VV	222	5419	0.19%	0.049%
92	6.924	6.897	6.936	VV	259	4788	0.17%	0.043%
93	6.951	6.936	6.961	VV	249	3546	0.13%	0.032%
94	6.968	6.961	6.975	VV	259	1863	0.07%	0.017%
95	6.995	6.975	7.050	VV	268	9063	0.32%	0.081%
96	7.058	7.050	7.068	VV	163	1679	0.06%	0.015%
97	7.089	7.068	7.099	VV	217	2931	0.10%	0.026%
98	7.111	7.099	7.131	VV	229	3043	0.11%	0.027%
99	7.146	7.131	7.162	VV	207	2965	0.11%	0.027%
100	7.175	7.162	7.239	VV	240	7974	0.28%	0.072%
101	7.259	7.239	7.301	VV	227	6016	0.21%	0.054%
102	7.317	7.301	7.329	VV	187	2696	0.10%	0.024%
103	7.351	7.329	7.383	VV	282	6147	0.22%	0.055%
104	7.398	7.383	7.461	VV	249	7726	0.27%	0.069%
105	7.472	7.461	7.545	VV	323	6891	0.25%	0.062%
106	7.557	7.545	7.580	PV	141	2005	0.07%	0.018%
107	7.597	7.580	7.672	VV	240	7307	0.26%	0.066%
108	7.677	7.672	7.697	VV	182	1717	0.06%	0.015%
109	7.703	7.697	7.743	VV	141	2104	0.07%	0.019%
110	7.759	7.743	7.769	PV	91	1162	0.04%	0.010%
111	7.775	7.769	7.780	VV	119	581	0.02%	0.005%
112	7.788	7.780	7.795	VV	123	897	0.03%	0.008%
113	7.839	7.795	7.946	VV	239	15182	0.54%	0.136%
114	8.001	7.946	8.062	VV	509	19985	0.71%	0.180%
115	8.096	8.062	8.156	VV	551	16022	0.57%	0.144%
116	8.220	8.156	8.323	VV	429	23302	0.83%	0.209%
117	8.345	8.323	8.357	VV	189	2669	0.09%	0.024%
118	8.362	8.357	8.377	VV	119	1224	0.04%	0.011%
119	8.418	8.377	8.451	VV	237	6027	0.21%	0.054%
120	8.453	8.451	8.509	VV	154	2179	0.08%	0.020%
121	8.516	8.509	8.533	PV	86	739	0.03%	0.007%
122	8.541	8.533	8.556	VV	55	690	0.02%	0.006%
123	8.606	8.556	8.617	VV	211	4582	0.16%	0.041%
124	8.655	8.617	8.691	VV	611	20365	0.72%	0.183%
125	8.701	8.691	8.838	VV	607	27203	0.97%	0.244%
126	8.844	8.838	8.862	VV	155	1685	0.06%	0.015%
127	8.885	8.862	8.931	VV	255	6423	0.23%	0.058%
128	8.975	8.931	8.998	VV	567	12234	0.44%	0.110%
129	9.020	8.998	9.056	VV	455	11471	0.41%	0.103%
130	9.081	9.056	9.114	VV	436	11461	0.41%	0.103%
131	9.135	9.114	9.206	VV	414	14037	0.50%	0.126%
132	9.222	9.206	9.233	VV	175	2470	0.09%	0.022%
133	9.253	9.233	9.282	VV	268	5458	0.19%	0.049%
134	9.328	9.282	9.377	VV	598	17235	0.61%	0.155%
135	9.447	9.377	9.536	VV	634	32358	1.15%	0.291%
136	9.569	9.536	9.626	VV	600	13890	0.49%	0.125%
137	9.639	9.626	9.654	VV	107	959	0.03%	0.009%
138	9.661	9.654	9.696	VV	110	1110	0.04%	0.010%
139	9.727	9.696	9.741	PV	124	1967	0.07%	0.018%
140	9.766	9.741	9.790	VV	230	3962	0.14%	0.036%
141	9.815	9.790	9.835	VV	229	4456	0.16%	0.040%

rteres

142	9.842	9.835	9.877	VV	206	4285	0.15%	0.038%
143	9.930	9.877	9.960	VV	444	13401	0.48%	0.120%
144	9.971	9.960	10.002	VV	365	7791	0.28%	0.070%
145	10.024	10.002	10.062	VV	740	13618	0.48%	0.122%
146	10.080	10.062	10.111	VV	222	4746	0.17%	0.043%
147	10.142	10.111	10.381	VV	14362	978236	34.82%	8.787%
148	10.396	10.381	10.506	VV	2598	149403	5.32%	1.342%
149	10.522	10.506	10.553	VV	1630	42195	1.50%	0.379%
150	10.569	10.553	10.587	VV	1506	29330	1.04%	0.263%
151	10.612	10.587	10.692	VV	1801	88993	3.17%	0.799%
152	10.706	10.692	10.799	VV	1233	59469	2.12%	0.534%
153	10.806	10.799	10.851	VV	718	18705	0.67%	0.168%
154	10.882	10.851	10.914	VV	1092	27525	0.98%	0.247%
155	10.943	10.914	10.967	VV	900	23164	0.82%	0.208%
156	10.987	10.967	11.014	VV	882	19984	0.71%	0.180%
157	11.040	11.014	11.089	VV	653	23878	0.85%	0.214%
158	11.095	11.089	11.114	VV	482	6420	0.23%	0.058%
159	11.150	11.114	11.177	VV	625	19172	0.68%	0.172%
160	11.192	11.177	11.246	VV	544	17263	0.61%	0.155%
161	11.309	11.246	11.414	VV	819	55976	1.99%	0.503%
162	11.423	11.414	11.502	VV	668	18230	0.65%	0.164%
163	11.533	11.502	11.549	VV	362	8766	0.31%	0.079%
164	11.576	11.549	11.605	VV	844	16844	0.60%	0.151%
165	11.633	11.605	11.687	VV	869	22461	0.80%	0.202%
166	11.725	11.687	11.769	VV	751	19997	0.71%	0.180%
167	11.788	11.769	11.822	VV	439	9173	0.33%	0.082%
168	11.846	11.822	11.878	VV	498	12149	0.43%	0.109%
169	11.889	11.878	11.910	VV	338	5375	0.19%	0.048%
170	11.932	11.910	11.942	VV	310	5060	0.18%	0.045%
171	11.960	11.942	11.997	VV	680	19338	0.69%	0.174%
172	12.019	11.997	12.064	VV	987	24792	0.88%	0.223%
173	12.120	12.064	12.178	VV	784	33384	1.19%	0.300%
174	12.191	12.178	12.216	VV	240	4191	0.15%	0.038%
175	12.241	12.216	12.257	VV	294	5231	0.19%	0.047%
176	12.300	12.257	12.321	VV	537	15164	0.54%	0.136%
177	12.339	12.321	12.360	VV	395	8102	0.29%	0.073%
178	12.389	12.360	12.420	VV	715	14959	0.53%	0.134%
179	12.451	12.420	12.487	VV	1501	38596	1.37%	0.347%
180	12.500	12.487	12.520	VV	938	14109	0.50%	0.127%
181	12.549	12.520	12.645	VV	132240	1927122	68.59%	17.311%
182	12.658	12.645	12.821	VV	3744	191607	6.82%	1.721%
183	12.829	12.821	12.841	VV	713	8374	0.30%	0.075%
184	12.867	12.841	12.907	VV	1296	37209	1.32%	0.334%
185	12.931	12.907	12.946	VV	1201	23289	0.83%	0.209%
186	12.957	12.946	12.984	VV	1070	21083	0.75%	0.189%
187	13.031	12.984	13.097	VV	2934	90933	3.24%	0.817%
188	13.114	13.097	13.159	VV	471	13688	0.49%	0.123%
189	13.219	13.159	13.297	VV	1348	51901	1.85%	0.466%
190	13.358	13.297	13.469	VV	1567	85988	3.06%	0.772%
191	13.474	13.469	13.481	VV	414	3163	0.11%	0.028%
192	13.492	13.481	13.514	VV	480	7766	0.28%	0.070%
193	13.543	13.514	13.569	VV	918	17336	0.62%	0.156%
194	13.606	13.569	13.619	VV	1658	29963	1.07%	0.269%

rteres

195	13.641	13.619	13.681	VV	3521	87853	3.13%	0.789%
196	13.693	13.681	13.756	VV	1822	51964	1.85%	0.467%
197	13.781	13.756	13.948	VV	27030	562919	20.03%	5.056%
198	13.976	13.948	14.046	VV	1225	42866	1.53%	0.385%
199	14.091	14.046	14.109	VV	1731	36390	1.30%	0.327%
200	14.124	14.109	14.158	VV	1442	24503	0.87%	0.220%
201	14.177	14.158	14.199	VV	501	8584	0.31%	0.077%
202	14.209	14.199	14.251	VV	373	9422	0.34%	0.085%
203	14.294	14.251	14.376	VV	544	21496	0.77%	0.193%
204	14.397	14.376	14.432	VV	326	6831	0.24%	0.061%
205	14.488	14.432	14.512	VV	479	9099	0.32%	0.082%
206	14.538	14.512	14.664	VV	1920	61052	2.17%	0.548%
207	14.688	14.664	14.727	VV	1724	26259	0.93%	0.236%
208	14.776	14.727	14.797	VV	695	22492	0.80%	0.202%
209	14.832	14.797	14.904	VV	961	38358	1.37%	0.345%
210	14.933	14.904	14.982	VV	1952	41321	1.47%	0.371%
211	15.018	14.982	15.077	VV	201122	2809733	100.00%	25.239%
212	15.092	15.077	15.159	VV	1024	27436	0.98%	0.246%
213	15.226	15.159	15.261	VV	3091	69130	2.46%	0.621%
214	15.292	15.261	15.351	VV	1954	33032	1.18%	0.297%
215	15.395	15.351	15.409	PV	320	5186	0.18%	0.047%
216	15.428	15.409	15.449	VV	358	5479	0.20%	0.049%
217	15.473	15.449	15.524	VV	556	10399	0.37%	0.093%
218	15.608	15.524	15.707	PV	63317	1126974	40.11%	10.123%
219	15.744	15.707	15.769	VV	4271	89351	3.18%	0.803%
220	15.787	15.769	15.804	VV	1750	27877	0.99%	0.250%
221	15.826	15.804	15.874	VV	5162	105914	3.77%	0.951%
222	15.882	15.874	15.953	VV	1081	35140	1.25%	0.316%
223	15.978	15.953	16.026	VV	3678	76819	2.73%	0.690%
224	16.037	16.026	16.103	VV	898	24025	0.86%	0.216%
225	16.138	16.103	16.195	VV	1572	42649	1.52%	0.383%
226	16.207	16.195	16.222	VV	513	7050	0.25%	0.063%
227	16.246	16.222	16.307	VV	4068	63074	2.24%	0.567%
228	16.331	16.307	16.346	VV	568	9851	0.35%	0.088%
229	16.350	16.346	16.369	VV	625	6367	0.23%	0.057%
230	16.377	16.369	16.439	VV	446	7497	0.27%	0.067%
231	16.486	16.439	16.517	VV	532	11541	0.41%	0.104%
232	16.543	16.517	16.582	VV	355	9754	0.35%	0.088%
233	16.629	16.582	16.674	VV	5158	101819	3.62%	0.915%
234	16.691	16.674	16.704	VV	1068	16025	0.57%	0.144%
235	16.728	16.704	16.787	VV	4856	76732	2.73%	0.689%
236	16.814	16.787	16.872	VV	676	16693	0.59%	0.150%
237	16.962	16.872	17.001	PV	811	26381	0.94%	0.237%
238	17.075	17.001	17.141	VV	885	45768	1.63%	0.411%
239	17.163	17.141	17.171	VV	946	12493	0.44%	0.112%
240	17.195	17.171	17.224	VV	5148	75338	2.68%	0.677%
241	17.246	17.224	17.267	VV	2012	29280	1.04%	0.263%
242	17.286	17.267	17.342	VV	1203	20195	0.72%	0.181%
243	17.352	17.342	17.362	VV	76	768	0.03%	0.007%
244	17.369	17.362	17.376	VV	98	565	0.02%	0.005%
245	17.466	17.376	17.501	VBA	366	13701	0.49%	0.123%

Sum of corrected areas: 11132674

rteres

FF052125.M Thu Jun 05 03:46:51 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF060425\
Data File : FF015901.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 14:46
Operator : YP\AJ
Sample : Q2176-02
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-56

Integration File: autoint1.e
Quant Time: Jun 05 03:03:46 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...	15.017	1536636	12.581 ug/ml
Target Compounds			

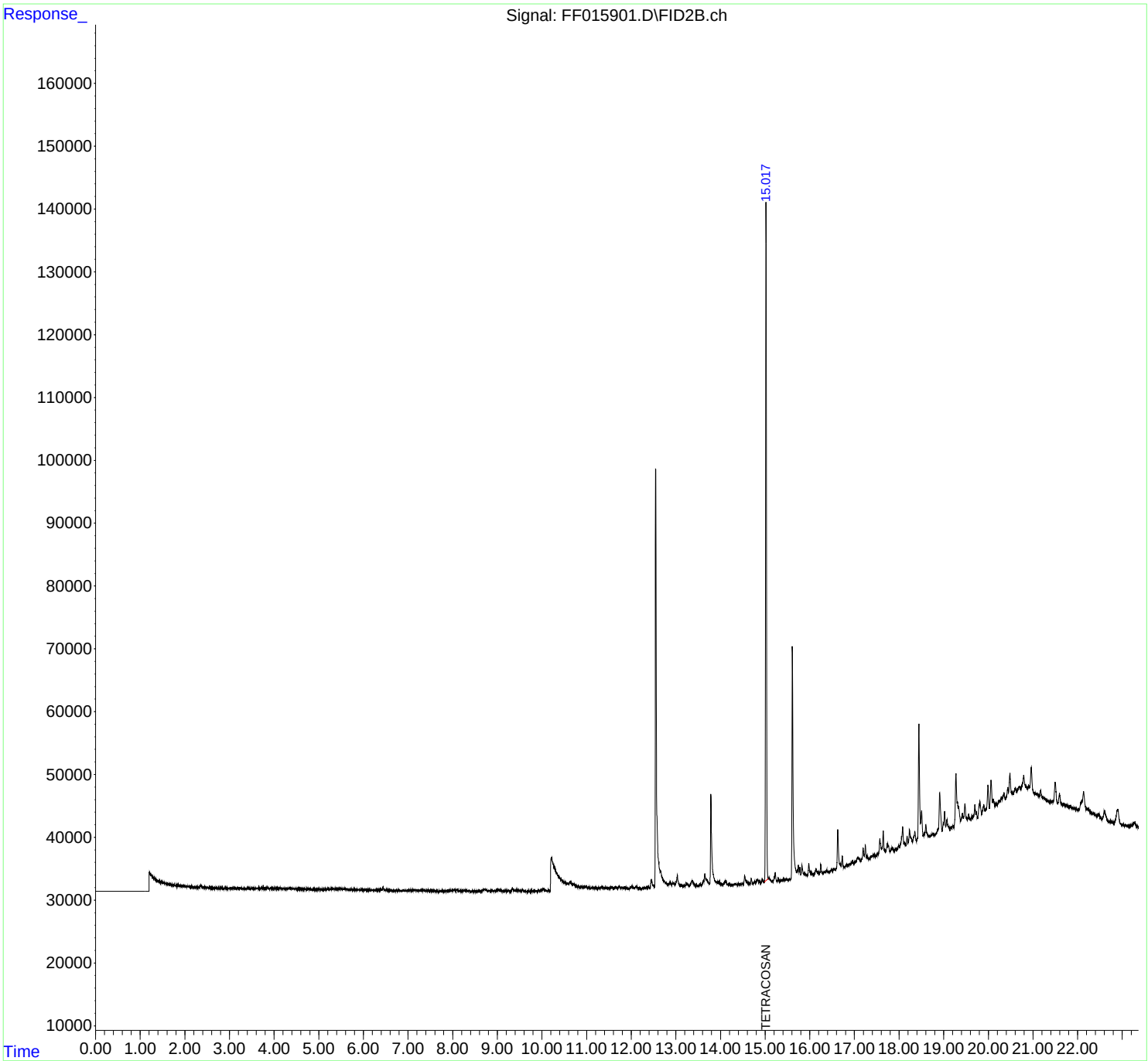
(f)=RT Delta > 1/2 Window (m)=manual int.

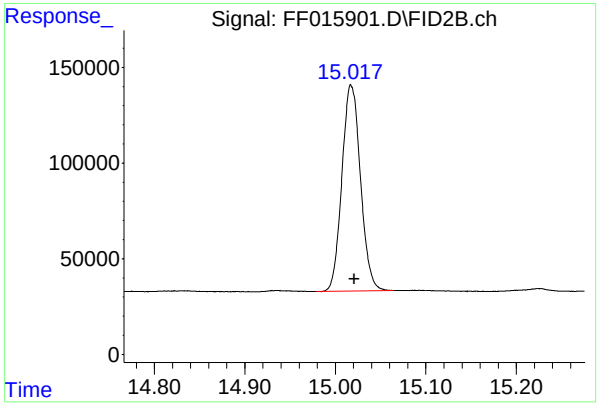
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF060425\
Data File : FF015901.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 14:46
Operator : YP\AJ
Sample : Q2176-02
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-56

Integration File: autoint1.e
Quant Time: Jun 05 03:03:46 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





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.017 min
Delta R.T.: -0.003 mi
Response: 1536636
Conc: 12.58 ug/m

Instrument :
FID_F
ClientSampleId :
TP-56

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 : FF015901.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 14:46
Sample : Q2176-02
Misc :
ALS Vial : 75 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	4.520	4.500	4.539	BV	120	721	0.05%	0.011%
2	4.544	4.539	4.583	PV	106	1741	0.11%	0.026%
3	4.593	4.583	4.607	VV	106	917	0.06%	0.014%
4	4.614	4.607	4.624	PV	140	564	0.04%	0.008%
5	4.629	4.624	4.662	VV	125	1635	0.10%	0.025%
6	4.673	4.662	4.715	VV	157	2763	0.18%	0.042%
7	4.723	4.715	4.728	VV	96	516	0.03%	0.008%
8	4.744	4.728	4.753	VV	148	1019	0.07%	0.015%
9	4.757	4.753	4.767	PV	114	719	0.05%	0.011%
10	4.773	4.767	4.788	VV	167	998	0.06%	0.015%
11	4.795	4.788	4.815	VV	107	1421	0.09%	0.021%
12	4.821	4.815	4.834	VV	95	894	0.06%	0.013%
13	4.840	4.834	4.856	VV	101	1046	0.07%	0.016%
14	4.875	4.856	4.900	VV	148	2382	0.15%	0.036%
15	4.905	4.900	4.926	VV	127	1388	0.09%	0.021%
16	4.932	4.926	4.950	VV	135	1253	0.08%	0.019%
17	4.965	4.950	4.975	VV	131	1224	0.08%	0.018%
18	5.002	4.975	5.012	VV	178	1981	0.13%	0.030%
19	5.015	5.012	5.027	VV	159	809	0.05%	0.012%
20	5.031	5.027	5.037	VV	112	486	0.03%	0.007%
21	5.046	5.037	5.056	VV	118	857	0.06%	0.013%
22	5.069	5.056	5.075	VV	180	919	0.06%	0.014%
23	5.084	5.075	5.097	VV	156	1121	0.07%	0.017%
24	5.112	5.097	5.130	VV	140	1845	0.12%	0.028%
25	5.132	5.130	5.148	VV	160	1168	0.07%	0.018%
26	5.154	5.148	5.171	VV	168	1620	0.10%	0.024%
27	5.190	5.171	5.206	VV	190	2722	0.17%	0.041%
28	5.214	5.206	5.222	VV	206	1427	0.09%	0.021%
29	5.225	5.222	5.252	VV	206	2775	0.18%	0.042%
30	5.257	5.252	5.276	VV	233	2739	0.18%	0.041%
31	5.288	5.276	5.302	VV	230	3173	0.20%	0.048%
32	5.309	5.302	5.317	VV	270	1831	0.12%	0.028%
33	5.328	5.317	5.341	VV	311	3430	0.22%	0.052%
34	5.347	5.341	5.358	VV	261	2248	0.14%	0.034%
35	5.363	5.358	5.398	VV	242	5393	0.35%	0.081%
36	5.403	5.398	5.413	VV	263	2056	0.13%	0.031%

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37	5.420	5.413	5.425	VV	286	1536	0.10%	0.023%
38	5.429	5.425	5.438	VV	276	1780	0.11%	0.027%
39	5.450	5.438	5.455	VV	311	2564	0.16%	0.039%
40	5.461	5.455	5.474	VV	265	2469	0.16%	0.037%
41	5.476	5.474	5.479	VV	274	753	0.05%	0.011%
42	5.482	5.479	5.488	VV	287	1288	0.08%	0.019%
43	5.498	5.488	5.514	VV	224	3323	0.21%	0.050%
44	5.517	5.514	5.522	VV	246	1136	0.07%	0.017%
45	5.526	5.522	5.550	VV	245	3295	0.21%	0.050%
46	5.561	5.550	5.602	VV	265	6325	0.41%	0.095%
47	5.611	5.602	5.619	VV	203	1801	0.12%	0.027%
48	5.622	5.619	5.630	VV	196	1133	0.07%	0.017%
49	5.636	5.630	5.665	VV	221	3371	0.22%	0.051%
50	5.669	5.665	5.694	VV	199	2482	0.16%	0.037%
51	5.711	5.694	5.720	VV	203	2476	0.16%	0.037%
52	5.725	5.720	5.737	VV	172	1571	0.10%	0.024%
53	5.745	5.737	5.761	VV	182	2199	0.14%	0.033%
54	5.765	5.761	5.785	VV	169	1944	0.12%	0.029%
55	5.787	5.785	5.805	VV	169	1423	0.09%	0.021%
56	5.809	5.805	5.817	VV	196	958	0.06%	0.014%
57	5.821	5.817	5.843	VV	172	2287	0.15%	0.034%
58	5.849	5.843	5.861	VV	159	1519	0.10%	0.023%
59	5.884	5.861	5.892	VV	171	2357	0.15%	0.036%
60	5.897	5.892	5.912	VV	153	1676	0.11%	0.025%
61	5.916	5.912	5.921	VV	175	836	0.05%	0.013%
62	5.936	5.921	5.940	VV	171	1560	0.10%	0.023%
63	5.952	5.940	5.972	VV	189	2629	0.17%	0.040%
64	5.977	5.972	6.017	VV	112	3255	0.21%	0.049%
65	6.021	6.017	6.035	VV	126	1113	0.07%	0.017%
66	6.042	6.035	6.069	VV	140	2193	0.14%	0.033%
67	6.074	6.069	6.097	VV	138	1534	0.10%	0.023%
68	6.104	6.097	6.111	VV	166	820	0.05%	0.012%
69	6.116	6.111	6.121	VV	105	426	0.03%	0.006%
70	6.132	6.121	6.137	VV	164	1043	0.07%	0.016%
71	6.146	6.137	6.169	VV	148	1548	0.10%	0.023%
72	6.194	6.169	6.212	VV	131	2275	0.15%	0.034%
73	6.219	6.212	6.225	VV	170	768	0.05%	0.012%
74	6.230	6.225	6.239	VV	135	700	0.04%	0.011%
75	6.266	6.239	6.294	VV	184	4116	0.26%	0.062%
76	6.335	6.294	6.354	VV	201	5365	0.34%	0.081%
77	6.372	6.354	6.379	VV	201	2488	0.16%	0.037%
78	6.383	6.379	6.393	VV	178	1267	0.08%	0.019%
79	6.400	6.393	6.412	VV	248	1815	0.12%	0.027%
80	6.415	6.412	6.424	VV	181	1125	0.07%	0.017%
81	6.442	6.424	6.475	VV	745	10621	0.68%	0.160%
82	6.479	6.475	6.484	VV	145	780	0.05%	0.012%
83	6.489	6.484	6.493	VV	172	771	0.05%	0.012%
84	6.503	6.493	6.510	VV	209	1749	0.11%	0.026%
85	6.514	6.510	6.567	VV	241	5102	0.33%	0.077%
86	6.573	6.567	6.577	VV	152	796	0.05%	0.012%
87	6.581	6.577	6.585	VV	135	486	0.03%	0.007%
88	6.593	6.585	6.609	VV	169	1569	0.10%	0.024%
89	6.624	6.609	6.632	VV	142	1464	0.09%	0.022%

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90	6.637	6.632	6.669	VV	142	1931	0.12%	0.029%
91	6.674	6.669	6.679	VV	168	640	0.04%	0.010%
92	6.683	6.679	6.692	VV	112	634	0.04%	0.010%
93	6.698	6.692	6.712	PV	140	909	0.06%	0.014%
94	6.722	6.712	6.729	VV	117	926	0.06%	0.014%
95	6.737	6.729	6.757	VV	116	1502	0.10%	0.023%
96	6.761	6.757	6.769	VV	126	627	0.04%	0.009%
97	6.777	6.769	6.783	VV	160	817	0.05%	0.012%
98	6.790	6.783	6.811	VV	154	1658	0.11%	0.025%
99	6.815	6.811	6.835	VV	99	1123	0.07%	0.017%
100	6.838	6.835	6.855	VV	112	867	0.06%	0.013%
101	6.861	6.855	6.874	VV	109	896	0.06%	0.013%
102	6.893	6.874	6.911	VV	147	1768	0.11%	0.027%
103	6.916	6.911	6.931	VV	136	1032	0.07%	0.016%
104	6.935	6.931	6.940	VV	72	399	0.03%	0.006%
105	6.952	6.940	6.984	VV	139	2723	0.17%	0.041%
106	6.989	6.984	6.997	VV	201	1052	0.07%	0.016%
107	7.008	6.997	7.020	VV	214	2226	0.14%	0.034%
108	7.024	7.020	7.027	VV	225	777	0.05%	0.012%
109	7.043	7.027	7.050	VV	259	2913	0.19%	0.044%
110	7.059	7.050	7.072	VV	244	2621	0.17%	0.039%
111	7.086	7.072	7.096	VV	244	2688	0.17%	0.040%
112	7.104	7.096	7.109	VV	176	1274	0.08%	0.019%
113	7.115	7.109	7.154	VV	216	4643	0.30%	0.070%
114	7.158	7.154	7.170	VV	190	1494	0.10%	0.023%
115	7.176	7.170	7.182	VV	190	1006	0.06%	0.015%
116	7.190	7.182	7.245	VV	206	6108	0.39%	0.092%
117	7.251	7.245	7.257	VV	229	1337	0.09%	0.020%
118	7.290	7.257	7.305	VV	208	4453	0.29%	0.067%
119	7.309	7.305	7.336	VV	243	3371	0.22%	0.051%
120	7.344	7.336	7.355	VV	235	1989	0.13%	0.030%
121	7.362	7.355	7.377	VV	189	2044	0.13%	0.031%
122	7.383	7.377	7.391	VV	171	1127	0.07%	0.017%
123	7.395	7.391	7.401	VV	143	775	0.05%	0.012%
124	7.408	7.401	7.421	VV	173	1617	0.10%	0.024%
125	7.430	7.421	7.437	VV	205	1287	0.08%	0.019%
126	7.442	7.437	7.457	VV	185	1440	0.09%	0.022%
127	7.467	7.457	7.477	VV	174	1360	0.09%	0.020%
128	7.502	7.477	7.509	VV	185	2387	0.15%	0.036%
129	7.518	7.509	7.539	VV	200	2010	0.13%	0.030%
130	7.544	7.539	7.553	VV	108	703	0.05%	0.011%
131	7.560	7.553	7.570	VV	138	890	0.06%	0.013%
132	7.578	7.570	7.602	VV	165	1952	0.13%	0.029%
133	7.607	7.602	7.611	VV	166	642	0.04%	0.010%
134	7.620	7.611	7.641	VV	209	2152	0.14%	0.032%
135	7.649	7.641	7.654	VV	101	713	0.05%	0.011%
136	7.658	7.654	7.675	VV	90	643	0.04%	0.010%
137	7.698	7.675	7.725	VV	155	1698	0.11%	0.026%
138	7.767	7.725	7.796	VV	137	3048	0.20%	0.046%
139	7.802	7.796	7.809	VV	93	550	0.04%	0.008%
140	7.818	7.809	7.840	VV	119	1511	0.10%	0.023%
141	7.849	7.840	7.872	VV	103	1673	0.11%	0.025%

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142	7.924	7.872	7.943	VV	158	4783	0.31%	0.072%
143	7.984	7.943	8.005	VV	258	6764	0.43%	0.102%
144	8.023	8.005	8.049	VV	303	6358	0.41%	0.096%
145	8.056	8.049	8.075	VV	256	3237	0.21%	0.049%
146	8.094	8.075	8.142	VV	369	9554	0.61%	0.144%
147	8.150	8.142	8.180	VV	201	2862	0.18%	0.043%
148	8.185	8.180	8.194	VV	154	703	0.05%	0.011%
149	8.206	8.194	8.217	VV	81	1223	0.08%	0.018%
150	8.271	8.217	8.304	VV	264	8772	0.56%	0.132%
151	8.315	8.304	8.327	VV	258	2347	0.15%	0.035%
152	8.337	8.327	8.345	VV	173	1420	0.09%	0.021%
153	8.355	8.345	8.407	VV	185	4223	0.27%	0.064%
154	8.452	8.407	8.464	VV	168	4344	0.28%	0.065%
155	8.472	8.464	8.485	VV	111	1349	0.09%	0.020%
156	8.490	8.485	8.520	VV	120	1637	0.11%	0.025%
157	8.534	8.520	8.579	VV	130	2173	0.14%	0.033%
158	8.587	8.579	8.609	PV	99	1256	0.08%	0.019%
159	8.615	8.609	8.627	VV	76	834	0.05%	0.013%
160	8.637	8.627	8.654	VV	143	1791	0.11%	0.027%
161	8.694	8.654	8.797	VV	446	23971	1.54%	0.361%
162	8.803	8.797	8.817	VV	252	2334	0.15%	0.035%
163	8.824	8.817	8.864	VV	190	4695	0.30%	0.071%
164	8.892	8.864	8.900	VV	281	4228	0.27%	0.064%
165	8.909	8.900	8.964	VV	157	5264	0.34%	0.079%
166	8.986	8.964	9.013	VV	374	7768	0.50%	0.117%
167	9.033	9.013	9.066	VV	344	7863	0.50%	0.118%
168	9.082	9.066	9.108	VV	281	4992	0.32%	0.075%
169	9.151	9.108	9.224	VV	213	10625	0.68%	0.160%
170	9.233	9.224	9.309	VV	181	6207	0.40%	0.094%
171	9.334	9.309	9.395	VV	597	15392	0.99%	0.232%
172	9.435	9.395	9.464	VV	291	8797	0.56%	0.133%
173	9.486	9.464	9.519	VV	297	6388	0.41%	0.096%
174	9.528	9.519	9.544	VV	203	2210	0.14%	0.033%
175	9.565	9.544	9.655	VV	307	8919	0.57%	0.134%
176	9.662	9.655	9.674	VV	108	674	0.04%	0.010%
177	9.689	9.674	9.729	PV	83	2536	0.16%	0.038%
178	9.739	9.729	9.762	VV	109	1069	0.07%	0.016%
179	9.770	9.762	9.797	PV	168	2068	0.13%	0.031%
180	9.803	9.797	9.840	VV	130	2399	0.15%	0.036%
181	9.864	9.840	9.907	VV	133	3827	0.25%	0.058%
182	9.918	9.907	9.932	VV	122	1456	0.09%	0.022%
183	10.027	9.932	10.124	VV	515	22484	1.44%	0.339%
184	10.144	10.124	10.175	VV	166	2680	0.17%	0.040%
185	10.213	10.175	10.520	VV	5309	556713	35.74%	8.386%
186	10.531	10.520	10.554	VV	1317	25995	1.67%	0.392%
187	10.562	10.554	10.605	VV	1221	35136	2.26%	0.529%
188	10.624	10.605	10.699	VV	1428	68144	4.38%	1.026%
189	10.712	10.699	10.797	VV	1040	48640	3.12%	0.733%
190	10.804	10.797	10.855	VV	666	19183	1.23%	0.289%
191	10.881	10.855	10.919	VV	704	21602	1.39%	0.325%
192	10.943	10.919	10.972	VV	657	16490	1.06%	0.248%
193	10.990	10.972	11.094	VV	644	31726	2.04%	0.478%
194	11.145	11.094	11.182	VV	428	19582	1.26%	0.295%

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195	11.191	11.182	11.245	VV	398	11688	0.75%	0.176%
196	11.261	11.245	11.301	VV	371	9364	0.60%	0.141%
197	11.342	11.301	11.390	VV	520	21753	1.40%	0.328%
198	11.405	11.390	11.430	VV	383	8175	0.52%	0.123%
199	11.440	11.430	11.449	VV	350	3498	0.22%	0.053%
200	11.463	11.449	11.507	VV	333	9485	0.61%	0.143%
201	11.535	11.507	11.553	VV	315	7448	0.48%	0.112%
202	11.578	11.553	11.619	VV	434	10841	0.70%	0.163%
203	11.641	11.619	11.692	VV	505	13622	0.87%	0.205%
204	11.730	11.692	11.770	VV	457	15492	0.99%	0.233%
205	11.792	11.770	11.817	VV	392	8640	0.55%	0.130%
206	11.843	11.817	11.880	VV	399	10781	0.69%	0.162%
207	11.887	11.880	11.912	VV	278	3673	0.24%	0.055%
208	11.919	11.912	11.956	VV	180	2731	0.18%	0.041%
209	12.021	11.956	12.050	PV	533	17909	1.15%	0.270%
210	12.122	12.050	12.167	VV	448	17716	1.14%	0.267%
211	12.172	12.167	12.199	VV	119	1558	0.10%	0.023%
212	12.202	12.199	12.218	VV	85	636	0.04%	0.010%
213	12.240	12.218	12.257	PV	101	1540	0.10%	0.023%
214	12.296	12.257	12.330	VV	250	6860	0.44%	0.103%
215	12.389	12.330	12.422	VV	412	11124	0.71%	0.168%
216	12.450	12.422	12.492	VV	1391	33946	2.18%	0.511%
217	12.499	12.492	12.524	VV	602	8779	0.56%	0.132%
218	12.547	12.524	12.646	VV	66742	1130935	72.61%	17.035%
219	12.657	12.646	12.842	VV	2772	148172	9.51%	2.232%
220	12.872	12.842	12.912	VV	983	29624	1.90%	0.446%
221	12.929	12.912	12.984	VV	845	28966	1.86%	0.436%
222	13.033	12.984	13.104	VV	2057	65497	4.21%	0.987%
223	13.113	13.104	13.157	VV	355	9035	0.58%	0.136%
224	13.180	13.157	13.206	VV	347	8068	0.52%	0.122%
225	13.236	13.206	13.310	VV	645	24879	1.60%	0.375%
226	13.363	13.310	13.482	VV	1035	51262	3.29%	0.772%
227	13.502	13.482	13.517	VV	251	3953	0.25%	0.060%
228	13.543	13.517	13.572	VV	467	10267	0.66%	0.155%
229	13.613	13.572	13.623	VV	919	17323	1.11%	0.261%
230	13.646	13.623	13.753	VV	2077	84676	5.44%	1.275%
231	13.783	13.753	13.900	VV	14507	314369	20.18%	4.735%
232	13.908	13.900	13.952	VV	739	20052	1.29%	0.302%
233	13.972	13.952	14.048	VV	714	24536	1.58%	0.370%
234	14.096	14.048	14.107	VV	746	15200	0.98%	0.229%
235	14.124	14.107	14.165	VV	805	16378	1.05%	0.247%
236	14.176	14.165	14.235	VV	269	7618	0.49%	0.115%
237	14.249	14.235	14.275	PV	103	2109	0.14%	0.032%
238	14.308	14.275	14.326	VV	189	4872	0.31%	0.073%
239	14.350	14.326	14.382	VV	222	5658	0.36%	0.085%
240	14.407	14.382	14.430	VV	180	3669	0.24%	0.055%
241	14.445	14.430	14.468	VV	157	2775	0.18%	0.042%
242	14.487	14.468	14.509	VV	315	4143	0.27%	0.062%
243	14.540	14.509	14.627	PV	1377	40579	2.61%	0.611%
244	14.643	14.627	14.660	VV	230	3190	0.20%	0.048%
245	14.687	14.660	14.729	VV	939	15173	0.97%	0.229%
246	14.771	14.729	14.791	VV	369	9051	0.58%	0.136%

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247	14.835	14.791	14.911	VV	611	21623	1.39%	0.326%
248	14.935	14.911	14.985	VV	680	14980	0.96%	0.226%
249	15.018	14.985	15.072	VV	108031	1557504	100.00%	23.461%
250	15.092	15.072	15.169	VV	672	21552	1.38%	0.325%
251	15.225	15.169	15.265	VV	1433	31283	2.01%	0.471%
252	15.294	15.265	15.357	VV	601	11302	0.73%	0.170%
253	15.389	15.357	15.407	PV	226	4038	0.26%	0.061%
254	15.427	15.407	15.452	VV	278	4633	0.30%	0.070%
255	15.472	15.452	15.510	VV	262	4573	0.29%	0.069%
256	15.533	15.510	15.541	PV	93	1333	0.09%	0.020%
257	15.608	15.541	15.707	VV	36986	653926	41.99%	9.850%
258	15.744	15.707	15.761	VV	2105	47873	3.07%	0.721%
259	15.777	15.761	15.800	VV	1740	28007	1.80%	0.422%
260	15.824	15.800	15.870	VV	2008	44020	2.83%	0.663%
261	15.886	15.870	15.950	VV	620	18606	1.19%	0.280%
262	15.977	15.950	16.023	VV	2045	41121	2.64%	0.619%
263	16.036	16.023	16.089	VV	530	12602	0.81%	0.190%
264	16.135	16.089	16.172	VV	1021	24775	1.59%	0.373%
265	16.175	16.172	16.217	VV	493	7827	0.50%	0.118%
266	16.246	16.217	16.272	VV	1574	23330	1.50%	0.351%
267	16.280	16.272	16.293	VV	122	1425	0.09%	0.021%
268	16.330	16.293	16.357	PV	288	6594	0.42%	0.099%
269	16.379	16.357	16.415	VV	512	8626	0.55%	0.130%
270	16.446	16.415	16.454	PV	187	2479	0.16%	0.037%
271	16.483	16.454	16.508	VV	324	6240	0.40%	0.094%
272	16.538	16.508	16.567	VV	343	7681	0.49%	0.116%
273	16.625	16.567	16.681	VV	6406	128591	8.26%	1.937%
274	16.690	16.681	16.705	VV	831	9806	0.63%	0.148%
275	16.728	16.705	16.774	VV	1964	30743	1.97%	0.463%
276	16.829	16.774	16.859	PV	452	10953	0.70%	0.165%
277	16.954	16.859	16.984	VV	749	24981	1.60%	0.376%
278	17.080	16.984	17.102	VV	953	36513	2.34%	0.550%
279	17.111	17.102	17.132	VV	602	8120	0.52%	0.122%
280	17.193	17.132	17.217	VV	2102	42603	2.74%	0.642%
281	17.244	17.217	17.267	VV	2442	40115	2.58%	0.604%
282	17.283	17.267	17.312	VV	745	11795	0.76%	0.178%
283	17.329	17.312	17.342	PV	182	2598	0.17%	0.039%
284	17.383	17.342	17.400	VV	378	8079	0.52%	0.122%
285	17.415	17.400	17.430	VV	419	5316	0.34%	0.080%
286	17.445	17.430	17.474	VV	427	5271	0.34%	0.079%

Sum of corrected areas: 6638718

FF052125.M Thu Jun 05 03:47:32 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF060425\
Data File : FF015902.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 15:15
Operator : YP\AJ
Sample : Q2176-03
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-25

Integration File: autoint1.e
Quant Time: Jun 05 03:04:00 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	2211368	18.106 ug/ml
Target Compounds			

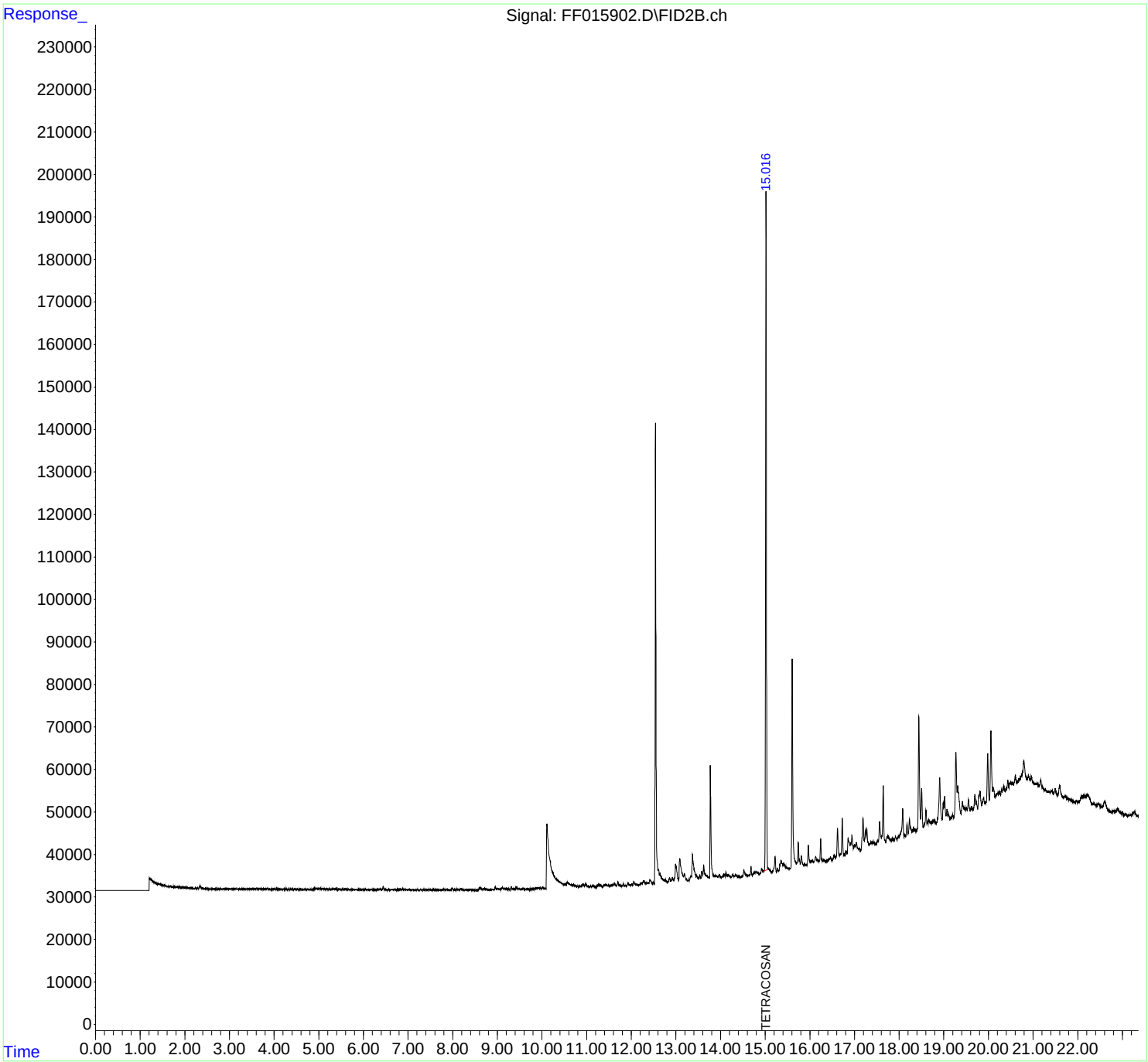
(f)=RT Delta > 1/2 Window (m)=manual int.

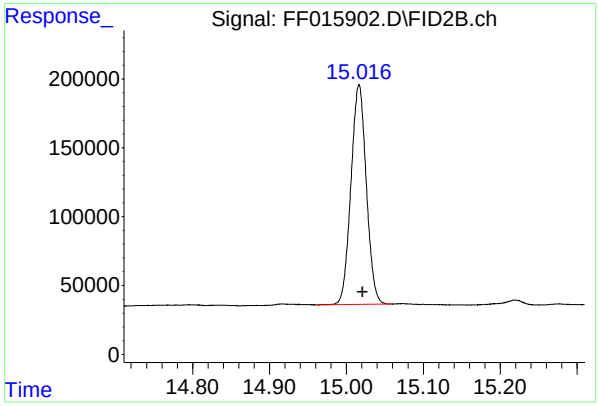
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF060425\
Data File : FF015902.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 15:15
Operator : YP\AJ
Sample : Q2176-03
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-25

Integration File: autoint1.e
Quant Time: Jun 05 03:04:00 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.: -0.004 mi
Response: 2211368
Conc: 18.11 ug/m

Instrument :
FID_F
ClientSampleId :
TP-25

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 : FF015902.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 15:15
Sample : Q2176-03
Misc :
ALS Vial : 76 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	4.516	4.500	4.543	BV	90	856	0.04%	0.008%
2	4.571	4.543	4.579	PV	158	1521	0.07%	0.015%
3	4.583	4.579	4.590	VV	95	377	0.02%	0.004%
4	4.593	4.590	4.605	VV	121	633	0.03%	0.006%
5	4.609	4.605	4.621	VV	78	659	0.03%	0.006%
6	4.631	4.621	4.654	VV	128	1318	0.06%	0.013%
7	4.663	4.654	4.668	VV	95	357	0.02%	0.003%
8	4.677	4.668	4.683	PV	126	649	0.03%	0.006%
9	4.686	4.683	4.703	VV	157	846	0.04%	0.008%
10	4.714	4.703	4.725	VV	127	693	0.03%	0.007%
11	4.728	4.725	4.737	VV	83	428	0.02%	0.004%
12	4.743	4.737	4.751	VV	97	612	0.03%	0.006%
13	4.763	4.751	4.769	VV	120	905	0.04%	0.009%
14	4.775	4.769	4.788	PV	65	573	0.03%	0.006%
15	4.796	4.788	4.802	VV	129	663	0.03%	0.006%
16	4.806	4.802	4.812	VV	134	570	0.03%	0.006%
17	4.815	4.812	4.829	VV	157	969	0.04%	0.009%
18	4.860	4.829	4.864	VV	134	2021	0.09%	0.020%
19	4.890	4.864	4.894	VV	316	3786	0.17%	0.037%
20	4.916	4.894	4.920	VV	341	4460	0.20%	0.044%
21	4.926	4.920	4.934	VV	355	2639	0.12%	0.026%
22	4.943	4.934	4.962	VV	341	4710	0.21%	0.046%
23	4.965	4.962	4.969	VV	339	1238	0.05%	0.012%
24	4.975	4.969	4.984	VV	293	2629	0.12%	0.026%
25	4.990	4.984	4.996	VV	364	2133	0.09%	0.021%
26	5.003	4.996	5.014	VV	398	3642	0.16%	0.036%
27	5.021	5.014	5.032	VV	328	3041	0.13%	0.030%
28	5.044	5.032	5.083	VV	368	8558	0.38%	0.084%
29	5.085	5.083	5.122	VV	346	6132	0.27%	0.060%
30	5.125	5.122	5.164	VV	287	6048	0.27%	0.059%
31	5.178	5.164	5.190	VV	289	3394	0.15%	0.033%
32	5.200	5.190	5.204	VV	210	1599	0.07%	0.016%
33	5.212	5.204	5.241	VV	310	4615	0.20%	0.045%
34	5.242	5.241	5.253	VV	244	1467	0.06%	0.014%
35	5.268	5.253	5.283	VV	219	3241	0.14%	0.032%
36	5.289	5.283	5.294	VV	195	1124	0.05%	0.011%

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37	5.303	5.294	5.331	VV	229	3948	0.17%	0.039%
38	5.332	5.331	5.367	VV	224	4025	0.18%	0.039%
39	5.378	5.367	5.383	VV	215	1682	0.07%	0.016%
40	5.395	5.383	5.438	VV	226	5358	0.24%	0.052%
41	5.441	5.438	5.453	VV	192	1640	0.07%	0.016%
42	5.458	5.453	5.467	VV	196	1512	0.07%	0.015%
43	5.471	5.467	5.490	VV	214	2084	0.09%	0.020%
44	5.499	5.490	5.506	VV	170	1315	0.06%	0.013%
45	5.528	5.506	5.540	VV	243	3068	0.14%	0.030%
46	5.554	5.540	5.596	VV	266	5156	0.23%	0.050%
47	5.614	5.596	5.623	VV	392	3069	0.14%	0.030%
48	5.624	5.623	5.637	VV	224	1497	0.07%	0.015%
49	5.645	5.637	5.659	VV	181	1944	0.09%	0.019%
50	5.671	5.659	5.708	VV	197	4152	0.18%	0.041%
51	5.716	5.708	5.735	VV	180	2019	0.09%	0.020%
52	5.739	5.735	5.762	VV	169	1802	0.08%	0.018%
53	5.770	5.762	5.782	VV	125	1179	0.05%	0.012%
54	5.791	5.782	5.795	VV	139	848	0.04%	0.008%
55	5.800	5.795	5.812	VV	178	1077	0.05%	0.011%
56	5.822	5.812	5.833	VV	154	1186	0.05%	0.012%
57	5.835	5.833	5.851	VV	127	728	0.03%	0.007%
58	5.897	5.851	5.909	VV	214	4280	0.19%	0.042%
59	5.916	5.909	5.937	VV	178	2010	0.09%	0.020%
60	5.942	5.937	5.962	VV	212	1542	0.07%	0.015%
61	5.965	5.962	5.972	VV	93	605	0.03%	0.006%
62	5.977	5.972	5.991	VV	156	1131	0.05%	0.011%
63	5.994	5.991	6.001	VV	105	536	0.02%	0.005%
64	6.008	6.001	6.023	VV	135	1263	0.06%	0.012%
65	6.028	6.023	6.031	VV	164	513	0.02%	0.005%
66	6.057	6.031	6.066	VV	181	2524	0.11%	0.025%
67	6.070	6.066	6.109	VV	159	3138	0.14%	0.031%
68	6.113	6.109	6.128	VV	150	1317	0.06%	0.013%
69	6.138	6.128	6.143	VV	129	877	0.04%	0.009%
70	6.151	6.143	6.158	VV	139	994	0.04%	0.010%
71	6.164	6.158	6.173	VV	122	800	0.04%	0.008%
72	6.184	6.173	6.229	VV	144	3021	0.13%	0.030%
73	6.245	6.229	6.251	VV	145	1124	0.05%	0.011%
74	6.254	6.251	6.273	PV	86	796	0.04%	0.008%
75	6.278	6.273	6.288	VV	108	692	0.03%	0.007%
76	6.330	6.288	6.342	VV	207	3849	0.17%	0.038%
77	6.354	6.342	6.370	VV	244	3036	0.13%	0.030%
78	6.375	6.370	6.379	VV	189	981	0.04%	0.010%
79	6.383	6.379	6.397	VV	237	1603	0.07%	0.016%
80	6.407	6.397	6.417	VV	228	1882	0.08%	0.018%
81	6.442	6.417	6.465	VV	917	12316	0.54%	0.121%
82	6.469	6.465	6.477	VV	145	1035	0.05%	0.010%
83	6.481	6.477	6.515	VV	159	2934	0.13%	0.029%
84	6.518	6.515	6.525	VV	94	628	0.03%	0.006%
85	6.530	6.525	6.535	VV	90	538	0.02%	0.005%
86	6.541	6.535	6.565	VV	173	2509	0.11%	0.025%
87	6.578	6.565	6.586	VV	175	1519	0.07%	0.015%
88	6.591	6.586	6.605	VV	140	1227	0.05%	0.012%
89	6.614	6.605	6.620	VV	160	1068	0.05%	0.010%

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90	6.660	6.620	6.665	VV	181	3688	0.16%	0.036%
91	6.675	6.665	6.682	VV	158	1354	0.06%	0.013%
92	6.686	6.682	6.692	VV	181	912	0.04%	0.009%
93	6.697	6.692	6.709	VV	189	1428	0.06%	0.014%
94	6.714	6.709	6.754	VV	178	3439	0.15%	0.034%
95	6.759	6.754	6.769	VV	102	900	0.04%	0.009%
96	6.804	6.769	6.817	VV	193	4522	0.20%	0.044%
97	6.819	6.817	6.822	VV	223	592	0.03%	0.006%
98	6.826	6.822	6.839	VV	200	1840	0.08%	0.018%
99	6.845	6.839	6.858	VV	245	1999	0.09%	0.020%
100	6.871	6.858	6.889	VV	258	3908	0.17%	0.038%
101	6.895	6.889	6.900	VV	249	1423	0.06%	0.014%
102	6.905	6.900	6.920	VV	249	2580	0.11%	0.025%
103	6.931	6.920	6.946	VV	279	3141	0.14%	0.031%
104	6.949	6.946	6.985	VV	229	3570	0.16%	0.035%
105	7.009	6.985	7.031	VV	185	3224	0.14%	0.032%
106	7.039	7.031	7.047	VV	151	1155	0.05%	0.011%
107	7.053	7.047	7.069	VV	190	1668	0.07%	0.016%
108	7.079	7.069	7.096	VV	180	1741	0.08%	0.017%
109	7.112	7.096	7.122	VV	133	1485	0.07%	0.015%
110	7.127	7.122	7.152	VV	126	1538	0.07%	0.015%
111	7.157	7.152	7.164	VV	98	468	0.02%	0.005%
112	7.173	7.164	7.190	VV	112	1018	0.05%	0.010%
113	7.196	7.190	7.240	VV	131	2284	0.10%	0.022%
114	7.246	7.240	7.257	VV	135	801	0.04%	0.008%
115	7.262	7.257	7.275	VV	104	793	0.04%	0.008%
116	7.284	7.275	7.324	VV	152	3109	0.14%	0.030%
117	7.342	7.324	7.371	VV	163	3410	0.15%	0.033%
118	7.377	7.371	7.408	VV	144	2351	0.10%	0.023%
119	7.417	7.408	7.446	VV	173	2483	0.11%	0.024%
120	7.466	7.446	7.499	VV	304	5442	0.24%	0.053%
121	7.503	7.499	7.515	VV	122	838	0.04%	0.008%
122	7.521	7.515	7.529	VV	91	704	0.03%	0.007%
123	7.537	7.529	7.542	VV	157	905	0.04%	0.009%
124	7.549	7.542	7.569	VV	178	1494	0.07%	0.015%
125	7.572	7.569	7.592	VV	161	1546	0.07%	0.015%
126	7.594	7.592	7.607	VV	146	1026	0.05%	0.010%
127	7.615	7.607	7.620	VV	137	769	0.03%	0.008%
128	7.640	7.620	7.668	VV	135	2853	0.13%	0.028%
129	7.672	7.668	7.693	VV	119	1257	0.06%	0.012%
130	7.703	7.693	7.711	VV	126	948	0.04%	0.009%
131	7.721	7.711	7.737	VV	114	1131	0.05%	0.011%
132	7.774	7.737	7.779	VV	218	3592	0.16%	0.035%
133	7.784	7.779	7.792	VV	176	1038	0.05%	0.010%
134	7.804	7.792	7.822	VV	182	2467	0.11%	0.024%
135	7.829	7.822	7.837	VV	201	1443	0.06%	0.014%
136	7.842	7.837	7.845	VV	163	711	0.03%	0.007%
137	7.854	7.845	7.873	VV	234	2645	0.12%	0.026%
138	7.882	7.873	7.889	VV	179	1521	0.07%	0.015%
139	7.892	7.889	7.905	VV	184	1207	0.05%	0.012%
140	7.911	7.905	7.925	VV	141	1358	0.06%	0.013%
141	7.940	7.925	7.960	VV	163	2436	0.11%	0.024%

rteres

142	7.990	7.960	8.021	VV	527	11634	0.51%	0.114%
143	8.028	8.021	8.053	VV	198	2868	0.13%	0.028%
144	8.060	8.053	8.065	VV	150	839	0.04%	0.008%
145	8.097	8.065	8.132	VV	381	8543	0.38%	0.084%
146	8.136	8.132	8.146	VV	145	1026	0.05%	0.010%
147	8.151	8.146	8.159	VV	199	1147	0.05%	0.011%
148	8.179	8.159	8.230	VV	407	9978	0.44%	0.098%
149	8.234	8.230	8.245	VV	136	838	0.04%	0.008%
150	8.247	8.245	8.258	VV	141	736	0.03%	0.007%
151	8.285	8.258	8.291	VV	177	2227	0.10%	0.022%
152	8.298	8.291	8.304	VV	205	1276	0.06%	0.012%
153	8.308	8.304	8.340	VV	159	1909	0.08%	0.019%
154	8.344	8.340	8.371	VV	148	1801	0.08%	0.018%
155	8.398	8.371	8.417	VV	307	4474	0.20%	0.044%
156	8.422	8.417	8.430	VV	174	729	0.03%	0.007%
157	8.435	8.430	8.459	VV	131	1684	0.07%	0.016%
158	8.464	8.459	8.475	PV	116	685	0.03%	0.007%
159	8.499	8.475	8.514	VV	116	1572	0.07%	0.015%
160	8.517	8.514	8.539	VV	96	833	0.04%	0.008%
161	8.567	8.539	8.580	VV	245	3546	0.16%	0.035%
162	8.612	8.580	8.655	VV	679	19617	0.87%	0.192%
163	8.661	8.655	8.665	VV	296	1741	0.08%	0.017%
164	8.667	8.665	8.684	VV	312	2959	0.13%	0.029%
165	8.697	8.684	8.761	VV	382	12686	0.56%	0.124%
166	8.765	8.761	8.769	VV	152	659	0.03%	0.006%
167	8.774	8.769	8.787	VV	149	1254	0.06%	0.012%
168	8.791	8.787	8.800	VV	131	827	0.04%	0.008%
169	8.807	8.800	8.811	VV	159	794	0.04%	0.008%
170	8.818	8.811	8.833	VV	180	1695	0.07%	0.017%
171	8.847	8.833	8.862	VV	203	2248	0.10%	0.022%
172	8.883	8.862	8.915	VV	283	4680	0.21%	0.046%
173	8.951	8.915	8.985	VV	658	12996	0.57%	0.127%
174	8.990	8.985	8.995	VV	253	1413	0.06%	0.014%
175	9.010	8.995	9.057	VV	419	10742	0.48%	0.105%
176	9.082	9.057	9.089	VV	305	4475	0.20%	0.044%
177	9.091	9.089	9.094	VV	362	977	0.04%	0.010%
178	9.112	9.094	9.161	VV	581	14583	0.65%	0.143%
179	9.188	9.161	9.232	VV	306	8845	0.39%	0.087%
180	9.247	9.232	9.289	VV	298	6524	0.29%	0.064%
181	9.312	9.289	9.347	VV	771	12283	0.54%	0.120%
182	9.353	9.347	9.366	VV	175	2052	0.09%	0.020%
183	9.377	9.366	9.390	VV	251	2610	0.12%	0.026%
184	9.424	9.390	9.477	VV	575	17537	0.78%	0.172%
185	9.484	9.477	9.510	VV	259	3163	0.14%	0.031%
186	9.518	9.510	9.525	VV	146	1033	0.05%	0.010%
187	9.532	9.525	9.554	VV	159	2201	0.10%	0.022%
188	9.571	9.554	9.621	VV	287	6752	0.30%	0.066%
189	9.644	9.621	9.665	PV	141	2689	0.12%	0.026%
190	9.674	9.665	9.682	VV	125	1179	0.05%	0.012%
191	9.691	9.682	9.720	VV	129	2228	0.10%	0.022%
192	9.780	9.720	9.811	VV	204	5283	0.23%	0.052%
193	9.867	9.811	9.887	PV	309	9087	0.40%	0.089%
194	9.914	9.887	9.942	VV	341	8557	0.38%	0.084%

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195	9.964	9.942	9.985	VV	277	5500	0.24%	0.054%
196	10.012	9.985	10.050	VV	536	10379	0.46%	0.102%
197	10.055	10.050	10.061	VV	146	659	0.03%	0.006%
198	10.068	10.061	10.090	VV	142	2028	0.09%	0.020%
199	10.112	10.090	10.500	VV	15329	990605	43.83%	9.701%
200	10.516	10.500	10.540	VV	1093	23449	1.04%	0.230%
201	10.576	10.540	10.680	VV	1459	84325	3.73%	0.826%
202	10.705	10.680	10.780	VV	798	34230	1.51%	0.335%
203	10.799	10.780	10.832	VV	439	10683	0.47%	0.105%
204	10.853	10.832	10.862	VV	428	6205	0.27%	0.061%
205	10.883	10.862	10.900	VV	559	10503	0.46%	0.103%
206	10.921	10.900	10.953	VV	899	20059	0.89%	0.196%
207	10.978	10.953	11.060	VV	1000	29410	1.30%	0.288%
208	11.079	11.060	11.110	VV	301	6589	0.29%	0.065%
209	11.129	11.110	11.154	VV	349	6746	0.30%	0.066%
210	11.168	11.154	11.210	VV	301	6481	0.29%	0.063%
211	11.260	11.210	11.352	VV	574	26108	1.16%	0.256%
212	11.426	11.352	11.512	PV	604	32501	1.44%	0.318%
213	11.519	11.512	11.539	VV	325	4406	0.19%	0.043%
214	11.552	11.539	11.595	VV	398	11545	0.51%	0.113%
215	11.618	11.595	11.669	VV	913	20275	0.90%	0.199%
216	11.702	11.669	11.792	VV	1165	28549	1.26%	0.280%
217	11.819	11.792	11.877	PV	588	9336	0.41%	0.091%
218	11.925	11.877	11.955	VV	725	14720	0.65%	0.144%
219	11.969	11.955	11.992	VV	308	4381	0.19%	0.043%
220	12.012	11.992	12.033	VV	491	6342	0.28%	0.062%
221	12.056	12.033	12.155	VV	962	25939	1.15%	0.254%
222	12.167	12.155	12.192	PV	180	1759	0.08%	0.017%
223	12.222	12.192	12.237	VV	489	10010	0.44%	0.098%
224	12.285	12.237	12.321	VV	1001	31688	1.40%	0.310%
225	12.328	12.321	12.338	VV	436	4311	0.19%	0.042%
226	12.380	12.338	12.396	VV	493	13263	0.59%	0.130%
227	12.421	12.396	12.477	VV	1111	30114	1.33%	0.295%
228	12.494	12.477	12.513	VV	515	6366	0.28%	0.062%
229	12.543	12.513	12.599	VV	108528	1416295	62.66%	13.870%
230	12.608	12.599	12.630	VV	3432	53232	2.36%	0.521%
231	12.646	12.630	12.814	VV	2449	120139	5.32%	1.177%
232	12.857	12.814	12.895	VV	1264	32782	1.45%	0.321%
233	12.920	12.895	12.942	VV	1357	24636	1.09%	0.241%
234	12.992	12.942	13.057	VV	4251	138261	6.12%	1.354%
235	13.085	13.057	13.169	VV	5492	186498	8.25%	1.826%
236	13.191	13.169	13.269	VV	1980	56481	2.50%	0.553%
237	13.339	13.269	13.352	VV	1326	35768	1.58%	0.350%
238	13.371	13.352	13.508	VV	6281	214136	9.47%	2.097%
239	13.533	13.508	13.555	VV	1398	24654	1.09%	0.241%
240	13.578	13.555	13.600	VV	2178	40136	1.78%	0.393%
241	13.620	13.600	13.678	VV	3563	90122	3.99%	0.883%
242	13.687	13.678	13.728	VV	1137	25690	1.14%	0.252%
243	13.771	13.728	13.864	VV	26915	426472	18.87%	4.177%
244	13.877	13.864	13.891	VV	906	13879	0.61%	0.136%
245	13.907	13.891	13.940	VV	892	21510	0.95%	0.211%
246	13.972	13.940	14.012	VV	988	29860	1.32%	0.292%

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247	14.080	14.012	14.099	VV	1123	34389	1.52%	0.337%
248	14.119	14.099	14.144	VV	1587	26384	1.17%	0.258%
249	14.170	14.144	14.239	VV	828	31374	1.39%	0.307%
250	14.271	14.239	14.312	VV	897	23830	1.05%	0.233%
251	14.343	14.312	14.405	VV	768	25317	1.12%	0.248%
252	14.413	14.405	14.437	VV	195	2811	0.12%	0.028%
253	14.448	14.437	14.460	VV	101	1234	0.05%	0.012%
254	14.481	14.460	14.492	PV	323	3733	0.17%	0.037%
255	14.522	14.492	14.552	VV	1698	32361	1.43%	0.317%
256	14.559	14.552	14.615	VV	610	13976	0.62%	0.137%
257	14.633	14.615	14.654	VV	359	4861	0.22%	0.048%
258	14.681	14.654	14.712	VV	2146	30206	1.34%	0.296%
259	14.797	14.712	14.818	VV	926	36920	1.63%	0.362%
260	14.835	14.818	14.867	VV	563	10277	0.45%	0.101%
261	14.917	14.867	14.962	VV	1385	38496	1.70%	0.377%
262	15.016	14.962	15.060	VV	160915	2260288	100.00%	22.136%
263	15.073	15.060	15.158	VV	1261	36765	1.63%	0.360%
264	15.220	15.158	15.250	VV	3707	68308	3.02%	0.669%
265	15.276	15.250	15.305	PV	842	11397	0.50%	0.112%
266	15.353	15.305	15.400	VV	2500	92893	4.11%	0.910%
267	15.423	15.400	15.535	VV	1680	64220	2.84%	0.629%
268	15.553	15.535	15.563	VV	302	3813	0.17%	0.037%
269	15.603	15.563	15.705	VV	49199	783077	34.65%	7.669%
270	15.740	15.705	15.789	VV	5890	118925	5.26%	1.165%
271	15.809	15.789	15.857	VV	2592	51778	2.29%	0.507%
272	15.879	15.857	15.905	VV	690	11229	0.50%	0.110%
273	15.924	15.905	15.937	VV	321	4507	0.20%	0.044%
274	15.964	15.937	16.019	VV	4790	86758	3.84%	0.850%
275	16.041	16.019	16.052	VV	936	16713	0.74%	0.164%
276	16.064	16.052	16.087	VV	822	15187	0.67%	0.149%
277	16.128	16.087	16.152	VV	1758	43461	1.92%	0.426%
278	16.161	16.152	16.209	VV	977	23166	1.02%	0.227%
279	16.241	16.209	16.269	VV	5626	81617	3.61%	0.799%
280	16.278	16.269	16.294	VV	597	6800	0.30%	0.067%
281	16.315	16.294	16.329	VV	600	9038	0.40%	0.089%
282	16.337	16.329	16.360	VV	277	3500	0.15%	0.034%
283	16.374	16.360	16.392	PV	232	3270	0.14%	0.032%
284	16.435	16.392	16.442	VV	443	8370	0.37%	0.082%
285	16.462	16.442	16.499	VV	914	14891	0.66%	0.146%
286	16.549	16.499	16.572	PV	899	20180	0.89%	0.198%
287	16.619	16.572	16.669	VV	7133	136335	6.03%	1.335%
288	16.724	16.669	16.762	VV	9143	145662	6.44%	1.427%
289	16.773	16.762	16.784	VV	277	3030	0.13%	0.030%
290	16.816	16.784	16.835	VV	1067	21378	0.95%	0.209%
291	16.856	16.835	16.907	VV	3973	114458	5.06%	1.121%
292	16.942	16.907	16.979	VV	4329	112633	4.98%	1.103%
293	17.002	16.979	17.022	VV	2022	41775	1.85%	0.409%
294	17.041	17.022	17.098	VV	2275	59117	2.62%	0.579%
295	17.105	17.098	17.133	VV	623	7830	0.35%	0.077%
296	17.191	17.133	17.222	PV	7506	165806	7.34%	1.624%
297	17.242	17.222	17.255	VV	4336	66083	2.92%	0.647%
298	17.273	17.255	17.344	VV	4616	108770	4.81%	1.065%
299	17.368	17.344	17.395	VV	1288	28441	1.26%	0.279%

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300	17.414	17.395	17.430	VV	839	16196	0.72%	0.159%
301	17.439	17.430	17.462	VV	840	9101	0.40%	0.089%
302	17.482	17.462	17.493	VV	295	2480	0.11%	0.024%

Sum of corrected areas: 10210974

FF052125.M Thu Jun 05 03:48:10 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF060425\
Data File : FF015903.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 15:45
Operator : YP\AJ
Sample : Q2176-04
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-26

Integration File: autoint1.e
Quant Time: Jun 05 03:04:17 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	1612667	13.204 ug/ml
Target Compounds			

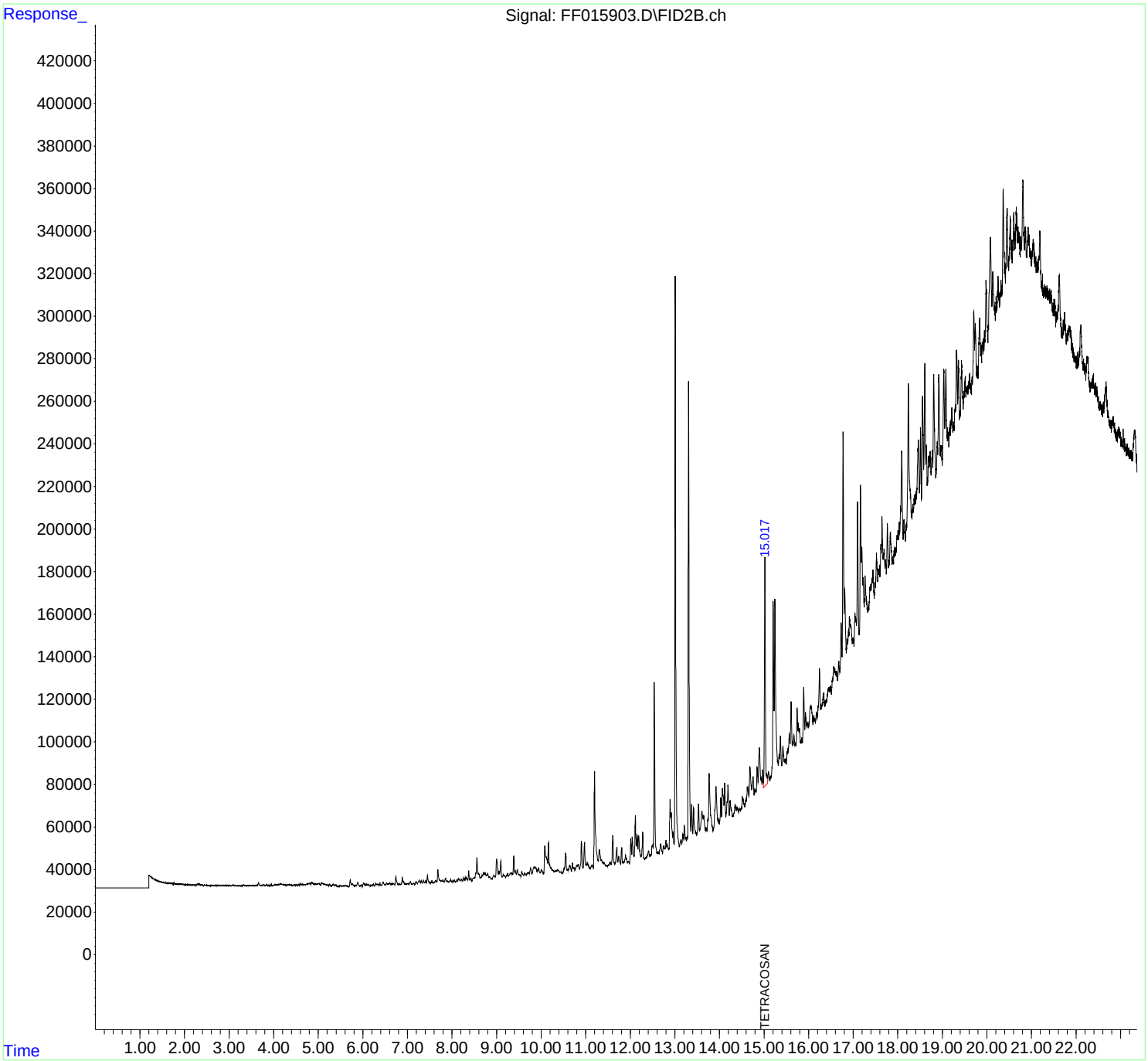
(f)=RT Delta > 1/2 Window (m)=manual int.

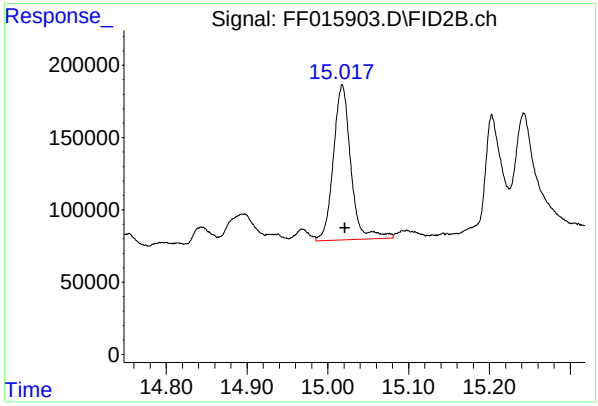
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF060425\
Data File : FF015903.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 15:45
Operator : YP\AJ
Sample : Q2176-04
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-26

Integration File: autoint1.e
Quant Time: Jun 05 03:04:17 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.: 15.018 min
Delta R.T.: -0.003 mi
Response: 1612667
Conc: 13.20 ug/m

Instrument :
FID_F
ClientSampleId :
TP-26

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 : FF015903.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 15:45
Sample : Q2176-04
Misc :
ALS Vial : 77 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	4.508	4.500	4.525	BV	148	1358	0.04%	0.003%
2	4.529	4.525	4.533	PV	157	500	0.01%	0.001%
3	4.554	4.533	4.570	VV	245	3106	0.09%	0.007%
4	4.592	4.570	4.619	VV	713	12775	0.36%	0.030%
5	4.633	4.619	4.669	VV	551	13335	0.37%	0.031%
6	4.678	4.669	4.688	VV	479	4815	0.13%	0.011%
7	4.695	4.688	4.701	VV	510	3852	0.11%	0.009%
8	4.706	4.701	4.710	VV	484	2421	0.07%	0.006%
9	4.741	4.710	4.761	VV	761	19117	0.54%	0.045%
10	4.779	4.761	4.790	VV	1068	15987	0.45%	0.038%
11	4.799	4.790	4.812	VV	1052	12812	0.36%	0.030%
12	4.817	4.812	4.835	VV	1040	11821	0.33%	0.028%
13	4.851	4.835	4.867	VV	1797	25998	0.73%	0.061%
14	4.878	4.867	4.897	VV	1283	18812	0.53%	0.044%
15	4.908	4.897	4.928	VV	1100	18162	0.51%	0.043%
16	4.934	4.928	4.962	VV	992	17076	0.48%	0.040%
17	4.984	4.962	4.990	VV	1024	15399	0.43%	0.036%
18	5.005	4.990	5.019	VV	1176	18062	0.51%	0.042%
19	5.030	5.019	5.056	VV	1199	20183	0.57%	0.047%
20	5.081	5.056	5.095	VV	1479	26552	0.74%	0.062%
21	5.099	5.095	5.129	VV	1277	22604	0.63%	0.053%
22	5.135	5.129	5.168	VV	1084	21450	0.60%	0.050%
23	5.181	5.168	5.232	VV	866	23700	0.66%	0.056%
24	5.249	5.232	5.270	VV	984	16062	0.45%	0.038%
25	5.278	5.270	5.304	VV	603	8274	0.23%	0.019%
26	5.324	5.304	5.335	VV	979	12439	0.35%	0.029%
27	5.343	5.335	5.378	VV	1014	17949	0.50%	0.042%
28	5.395	5.378	5.425	VV	894	14562	0.41%	0.034%
29	5.445	5.425	5.465	VV	427	6575	0.18%	0.015%
30	5.489	5.465	5.501	VV	628	8575	0.24%	0.020%
31	5.504	5.501	5.532	VV	440	6791	0.19%	0.016%
32	5.549	5.532	5.560	VV	509	6734	0.19%	0.016%
33	5.569	5.560	5.572	VV	527	3606	0.10%	0.008%
34	5.581	5.572	5.595	VV	591	6472	0.18%	0.015%
35	5.612	5.595	5.630	VV	686	11660	0.33%	0.027%
36	5.643	5.630	5.663	VV	598	8311	0.23%	0.020%

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37	5.667	5.663	5.687	VV	362	3820	0.11%	0.009%
38	5.717	5.687	5.757	PV	3415	64443	1.80%	0.151%
39	5.769	5.757	5.810	VV	1305	30676	0.86%	0.072%
40	5.822	5.810	5.850	VV	587	12196	0.34%	0.029%
41	5.856	5.850	5.860	VV	592	3407	0.10%	0.008%
42	5.884	5.860	5.924	VV	2130	42185	1.18%	0.099%
43	5.934	5.924	5.951	VV	393	5651	0.16%	0.013%
44	5.969	5.951	5.988	VV	831	10653	0.30%	0.025%
45	6.014	5.988	6.055	VV	1467	38660	1.08%	0.091%
46	6.074	6.055	6.102	VV	950	21698	0.61%	0.051%
47	6.112	6.102	6.123	VV	816	8871	0.25%	0.021%
48	6.132	6.123	6.156	VV	717	9135	0.26%	0.021%
49	6.183	6.156	6.199	VV	644	8617	0.24%	0.020%
50	6.235	6.199	6.256	VV	796	15071	0.42%	0.035%
51	6.297	6.256	6.315	VV	1166	23903	0.67%	0.056%
52	6.336	6.315	6.353	VV	1008	16552	0.46%	0.039%
53	6.384	6.353	6.410	VV	1048	19096	0.53%	0.045%
54	6.418	6.410	6.429	VV	419	4115	0.12%	0.010%
55	6.451	6.429	6.506	VV	1696	42548	1.19%	0.100%
56	6.530	6.506	6.548	VV	1228	19399	0.54%	0.046%
57	6.573	6.548	6.592	VV	818	18804	0.53%	0.044%
58	6.607	6.592	6.634	VV	1243	20132	0.56%	0.047%
59	6.650	6.634	6.668	VV	809	12357	0.35%	0.029%
60	6.680	6.668	6.694	VV	764	10440	0.29%	0.025%
61	6.698	6.694	6.720	VV	711	8161	0.23%	0.019%
62	6.741	6.720	6.788	VV	4104	73082	2.05%	0.172%
63	6.792	6.788	6.809	VV	617	5343	0.15%	0.013%
64	6.834	6.809	6.847	VV	430	7698	0.22%	0.018%
65	6.859	6.847	6.867	VV	578	4745	0.13%	0.011%
66	6.886	6.867	6.908	VV	3384	47901	1.34%	0.112%
67	6.918	6.908	6.945	VV	1509	20685	0.58%	0.049%
68	6.958	6.945	6.971	VV	695	7384	0.21%	0.017%
69	6.998	6.971	7.039	VV	625	16530	0.46%	0.039%
70	7.066	7.039	7.093	VV	1386	24775	0.69%	0.058%
71	7.103	7.093	7.113	VV	277	1842	0.05%	0.004%
72	7.131	7.113	7.135	PV	506	4192	0.12%	0.010%
73	7.138	7.135	7.157	VV	548	3524	0.10%	0.008%
74	7.192	7.157	7.225	VV	1061	24080	0.67%	0.057%
75	7.266	7.225	7.290	VV	1660	41265	1.16%	0.097%
76	7.310	7.290	7.334	VV	1466	24641	0.69%	0.058%
77	7.354	7.334	7.379	VV	1664	28548	0.80%	0.067%
78	7.387	7.379	7.392	VV	703	5196	0.15%	0.012%
79	7.413	7.392	7.430	VV	1604	23924	0.67%	0.056%
80	7.451	7.430	7.495	VV	3993	64472	1.81%	0.151%
81	7.505	7.495	7.520	VV	640	6614	0.19%	0.016%
82	7.553	7.520	7.575	VV	1272	21393	0.60%	0.050%
83	7.597	7.575	7.611	VV	539	8941	0.25%	0.021%
84	7.636	7.611	7.663	VV	1323	27443	0.77%	0.064%
85	7.685	7.663	7.723	VV	6507	107947	3.02%	0.254%
86	7.728	7.723	7.755	VV	1345	21346	0.60%	0.050%
87	7.796	7.755	7.827	VV	1149	36433	1.02%	0.086%
88	7.853	7.827	7.884	VV	2095	38199	1.07%	0.090%
89	7.898	7.884	7.921	VV	732	11735	0.33%	0.028%

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90	7.940	7.921	7.952	VV	744	8613	0.24%	0.020%
91	7.968	7.952	7.991	VV	1192	16861	0.47%	0.040%
92	7.994	7.991	8.002	VV	419	2264	0.06%	0.005%
93	8.023	8.002	8.040	VV	1037	13521	0.38%	0.032%
94	8.057	8.040	8.082	VV	996	13609	0.38%	0.032%
95	8.111	8.082	8.125	PV	1132	14090	0.39%	0.033%
96	8.144	8.125	8.188	VV	1546	36066	1.01%	0.085%
97	8.209	8.188	8.235	VV	1442	22103	0.62%	0.052%
98	8.255	8.235	8.273	VV	1846	25387	0.71%	0.060%
99	8.288	8.273	8.297	VV	1266	14368	0.40%	0.034%
100	8.311	8.297	8.356	VV	2148	47464	1.33%	0.111%
101	8.376	8.356	8.405	VV	5026	63139	1.77%	0.148%
102	8.427	8.405	8.450	VV	1588	22063	0.62%	0.052%
103	8.475	8.450	8.492	PV	1447	25418	0.71%	0.060%
104	8.504	8.492	8.512	VV	1567	16846	0.47%	0.040%
105	8.535	8.512	8.541	VV	3725	45854	1.28%	0.108%
106	8.561	8.541	8.591	VV	10898	176964	4.96%	0.416%
107	8.604	8.591	8.631	VV	3088	57384	1.61%	0.135%
108	8.650	8.631	8.661	VV	1365	23480	0.66%	0.055%
109	8.676	8.661	8.685	VV	2306	28052	0.79%	0.066%
110	8.712	8.685	8.729	VV	3654	75647	2.12%	0.178%
111	8.740	8.729	8.781	VV	3221	81807	2.29%	0.192%
112	8.802	8.781	8.840	VV	2778	70319	1.97%	0.165%
113	8.846	8.840	8.880	VV	1217	19054	0.53%	0.045%
114	8.889	8.880	8.902	VV	347	3538	0.10%	0.008%
115	8.940	8.902	8.963	VV	1916	46427	1.30%	0.109%
116	9.002	8.963	9.039	VV	9321	208486	5.84%	0.490%
117	9.055	9.039	9.069	VV	3499	51229	1.43%	0.120%
118	9.096	9.069	9.124	VV	8354	135750	3.80%	0.319%
119	9.153	9.124	9.165	VV	1900	31545	0.88%	0.074%
120	9.177	9.165	9.201	VV	1443	22081	0.62%	0.052%
121	9.219	9.201	9.229	VV	1304	16204	0.45%	0.038%
122	9.244	9.229	9.271	VV	2238	38072	1.07%	0.089%
123	9.310	9.271	9.315	VV	2131	43278	1.21%	0.102%
124	9.320	9.315	9.325	VV	2146	13572	0.38%	0.032%
125	9.331	9.325	9.350	VV	2244	29024	0.81%	0.068%
126	9.387	9.350	9.408	VV	10090	154894	4.34%	0.364%
127	9.419	9.408	9.448	VV	3297	59823	1.68%	0.140%
128	9.467	9.448	9.508	VV	3630	76433	2.14%	0.180%
129	9.511	9.508	9.548	VV	1150	20399	0.57%	0.048%
130	9.568	9.548	9.607	VV	2613	49739	1.39%	0.117%
131	9.629	9.607	9.659	VV	1671	35511	0.99%	0.083%
132	9.694	9.659	9.700	VV	1565	26740	0.75%	0.063%
133	9.704	9.700	9.708	VV	1503	7066	0.20%	0.017%
134	9.714	9.708	9.719	VV	1469	9253	0.26%	0.022%
135	9.731	9.719	9.742	VV	1665	20985	0.59%	0.049%
136	9.763	9.742	9.792	VV	3825	80811	2.26%	0.190%
137	9.839	9.792	9.855	VV	4247	111408	3.12%	0.262%
138	9.867	9.855	9.881	VV	4160	59795	1.67%	0.140%
139	9.889	9.881	9.906	VV	3529	43137	1.21%	0.101%
140	9.920	9.906	9.932	VV	2831	37562	1.05%	0.088%
141	9.945	9.932	9.983	VV	3497	66129	1.85%	0.155%

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142	10.003	9.983	10.057	VV	2739	73488	2.06%	0.173%
143	10.082	10.057	10.109	VV	13682	259940	7.28%	0.610%
144	10.114	10.109	10.149	VV	8315	172003	4.82%	0.404%
145	10.166	10.149	10.210	VV	15001	272454	7.63%	0.640%
146	10.219	10.210	10.240	VV	3282	50915	1.43%	0.120%
147	10.244	10.240	10.258	VV	2246	21354	0.60%	0.050%
148	10.264	10.258	10.285	VV	1969	27691	0.78%	0.065%
149	10.311	10.285	10.318	VV	1407	25626	0.72%	0.060%
150	10.330	10.318	10.342	VV	1519	20509	0.57%	0.048%
151	10.359	10.342	10.375	VV	1995	32845	0.92%	0.077%
152	10.387	10.375	10.423	VV	1615	34439	0.96%	0.081%
153	10.444	10.423	10.472	VV	886	14075	0.39%	0.033%
154	10.513	10.472	10.520	PV	2296	31004	0.87%	0.073%
155	10.551	10.520	10.584	VV	9521	172044	4.82%	0.404%
156	10.603	10.584	10.618	VV	1817	28947	0.81%	0.068%
157	10.638	10.618	10.681	VV	3387	82542	2.31%	0.194%
158	10.704	10.681	10.725	VV	4281	63763	1.79%	0.150%
159	10.738	10.725	10.762	VV	1960	32916	0.92%	0.077%
160	10.795	10.762	10.807	VV	2870	53161	1.49%	0.125%
161	10.835	10.807	10.867	VV	3190	79807	2.23%	0.187%
162	10.904	10.867	10.938	VV	13943	219532	6.15%	0.516%
163	10.974	10.938	11.010	VV	13036	238493	6.68%	0.560%
164	11.032	11.010	11.104	VV	3102	103555	2.90%	0.243%
165	11.127	11.104	11.133	VV	1738	20120	0.56%	0.047%
166	11.143	11.133	11.171	VV	1764	28853	0.81%	0.068%
167	11.195	11.171	11.284	VV	45932	957897	26.83%	2.250%
168	11.305	11.284	11.344	VV	8744	209430	5.86%	0.492%
169	11.357	11.344	11.399	VV	3809	91599	2.57%	0.215%
170	11.409	11.399	11.448	VV	2426	47544	1.33%	0.112%
171	11.459	11.448	11.479	VV	926	12188	0.34%	0.029%
172	11.498	11.479	11.510	VV	765	8977	0.25%	0.021%
173	11.544	11.510	11.568	VV	1910	46321	1.30%	0.109%
174	11.606	11.568	11.653	VV	14423	246364	6.90%	0.579%
175	11.696	11.653	11.721	VV	8804	158078	4.43%	0.371%
176	11.739	11.721	11.782	VV	4191	85240	2.39%	0.200%
177	11.806	11.782	11.828	VV	8265	107520	3.01%	0.253%
178	11.846	11.828	11.860	VV	1417	22291	0.62%	0.052%
179	11.891	11.860	11.943	VV	4165	110999	3.11%	0.261%
180	11.959	11.943	11.979	VV	1148	16446	0.46%	0.039%
181	12.009	11.979	12.030	PV	11704	176678	4.95%	0.415%
182	12.045	12.030	12.091	VV	12253	224972	6.30%	0.528%
183	12.111	12.091	12.138	VV	21986	348354	9.76%	0.818%
184	12.152	12.138	12.173	VV	12518	193899	5.43%	0.455%
185	12.188	12.173	12.236	VV	11942	236572	6.63%	0.556%
186	12.277	12.236	12.320	VV	12970	205475	5.75%	0.483%
187	12.323	12.320	12.328	VV	157	392	0.01%	0.001%
188	12.339	12.328	12.344	PV	661	3872	0.11%	0.009%
189	12.410	12.344	12.436	VV	3398	83574	2.34%	0.196%
190	12.452	12.436	12.461	VV	1318	15185	0.43%	0.036%
191	12.504	12.461	12.514	VV	5793	118785	3.33%	0.279%
192	12.538	12.514	12.601	VV	81384	1080474	30.26%	2.537%
193	12.617	12.601	12.631	VV	1329	19815	0.55%	0.047%
194	12.683	12.631	12.721	VV	4730	116293	3.26%	0.273%

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195	12.748	12.721	12.777	PV	3247	67104	1.88%	0.158%
196	12.799	12.777	12.813	VV	5712	74578	2.09%	0.175%
197	12.824	12.813	12.870	VV	3528	68003	1.90%	0.160%
198	12.892	12.870	12.907	VV	24006	338539	9.48%	0.795%
199	12.917	12.907	12.947	VV	17540	293578	8.22%	0.689%
200	12.959	12.947	12.985	VV	8265	114148	3.20%	0.268%
201	13.006	12.985	13.100	VV	268409	3570888	100.00%	8.386%
202	13.133	13.100	13.154	PV	2909	54565	1.53%	0.128%
203	13.178	13.154	13.196	VV	5132	84057	2.35%	0.197%
204	13.212	13.196	13.235	VV	8845	125334	3.51%	0.294%
205	13.245	13.235	13.262	VV	3086	40181	1.13%	0.094%
206	13.276	13.262	13.283	VV	2618	28030	0.78%	0.066%
207	13.305	13.283	13.357	VV	216697	2953660	82.72%	6.937%
208	13.374	13.357	13.398	VV	17043	245996	6.89%	0.578%
209	13.419	13.398	13.460	VV	15290	290572	8.14%	0.682%
210	13.474	13.460	13.496	VV	3172	53348	1.49%	0.125%
211	13.528	13.496	13.551	VV	15883	264597	7.41%	0.621%
212	13.605	13.551	13.632	VV	11962	356301	9.98%	0.837%
213	13.647	13.632	13.687	VV	9226	192303	5.39%	0.452%
214	13.697	13.687	13.718	VV	3072	43950	1.23%	0.103%
215	13.768	13.718	13.856	VV	28039	735501	20.60%	1.727%
216	13.920	13.856	13.971	PV	19956	555400	15.55%	1.304%
217	13.975	13.971	13.993	VV	3472	31822	0.89%	0.075%
218	14.027	13.993	14.046	VV	13171	196342	5.50%	0.461%
219	14.064	14.046	14.099	VV	16835	375677	10.52%	0.882%
220	14.117	14.099	14.140	VV	18533	268806	7.53%	0.631%
221	14.190	14.140	14.220	VV	16680	376499	10.54%	0.884%
222	14.237	14.220	14.306	VV	8541	192070	5.38%	0.451%
223	14.353	14.306	14.376	PV	4920	103489	2.90%	0.243%
224	14.387	14.376	14.395	VV	3023	27989	0.78%	0.066%
225	14.400	14.395	14.430	VV	2653	27704	0.78%	0.065%
226	14.454	14.430	14.471	VV	1612	20831	0.58%	0.049%
227	14.480	14.471	14.491	VV	804	6190	0.17%	0.015%
228	14.516	14.491	14.527	VV	5345	72458	2.03%	0.170%
229	14.531	14.527	14.552	VV	4437	43719	1.22%	0.103%
230	14.556	14.552	14.568	VV	1626	10841	0.30%	0.025%
231	14.588	14.568	14.595	PV	2912	28653	0.80%	0.067%
232	14.628	14.595	14.661	VV	8272	204350	5.72%	0.480%
233	14.682	14.661	14.719	VV	16397	353180	9.89%	0.829%
234	14.723	14.719	14.728	VV	5877	31772	0.89%	0.075%
235	14.754	14.728	14.780	VV	10363	191599	5.37%	0.450%
236	14.799	14.780	14.807	VV	3149	44126	1.24%	0.104%
237	14.814	14.807	14.822	VV	2606	19095	0.53%	0.045%
238	14.844	14.822	14.865	VV	12685	203506	5.70%	0.478%
239	14.895	14.865	14.923	VV	20479	474659	13.29%	1.115%
240	14.928	14.923	14.952	VV	6118	84671	2.37%	0.199%
241	14.968	14.952	14.986	VV	8534	109944	3.08%	0.258%
242	15.018	14.986	15.048	VV	107685	1544173	43.24%	3.626%
243	15.055	15.048	15.070	VV	4968	55108	1.54%	0.129%
244	15.075	15.070	15.081	VV	3233	20998	0.59%	0.049%
245	15.098	15.081	15.126	VV	5220	86943	2.43%	0.204%
246	15.130	15.126	15.135	VV	1319	5454	0.15%	0.013%

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247	15.203	15.135	15.225	VV	82796	1206160	33.78%	2.833%
248	15.243	15.225	15.320	VV	82912	1675595	46.92%	3.935%
249	15.337	15.320	15.349	VV	7949	114379	3.20%	0.269%
250	15.366	15.349	15.400	VV	16256	251702	7.05%	0.591%
251	15.423	15.400	15.458	VV	10030	196521	5.50%	0.462%
252	15.478	15.458	15.499	VV	2833	45155	1.26%	0.106%
253	15.529	15.499	15.544	PV	6507	113243	3.17%	0.266%
254	15.566	15.544	15.585	VV	12224	223622	6.26%	0.525%
255	15.606	15.585	15.631	VV	26475	435460	12.19%	1.023%
256	15.635	15.631	15.645	VV	6092	46949	1.31%	0.110%
257	15.670	15.645	15.693	VV	9008	187061	5.24%	0.439%
258	15.696	15.693	15.712	VV	4023	40843	1.14%	0.096%
259	15.741	15.712	15.760	VV	19958	293956	8.23%	0.690%
260	15.768	15.760	15.785	VV	12275	150333	4.21%	0.353%
261	15.794	15.785	15.818	VV	8736	108838	3.05%	0.256%
262	15.822	15.818	15.831	VV	2091	13123	0.37%	0.031%
263	15.848	15.831	15.861	VV	2908	30770	0.86%	0.072%
264	15.888	15.861	15.913	PV	25292	378347	10.60%	0.889%
265	15.929	15.913	15.948	VV	11759	180348	5.05%	0.424%
266	15.952	15.948	15.956	VV	6481	28454	0.80%	0.067%
267	15.974	15.956	16.000	VV	5453	123343	3.45%	0.290%
268	16.035	16.000	16.047	VV	11323	216712	6.07%	0.509%
269	16.053	16.047	16.057	VV	10819	63015	1.76%	0.148%
270	16.061	16.057	16.097	VV	10834	143204	4.01%	0.336%
271	16.114	16.097	16.126	VV	4330	45738	1.28%	0.107%
272	16.131	16.126	16.156	VV	2512	23497	0.66%	0.055%
273	16.177	16.156	16.191	VV	3419	43448	1.22%	0.102%
274	16.243	16.191	16.269	VV	21460	392518	10.99%	0.922%
275	16.276	16.269	16.295	VV	3667	42780	1.20%	0.100%
276	16.306	16.295	16.310	VV	3596	26444	0.74%	0.062%
277	16.333	16.310	16.362	VV	7110	136081	3.81%	0.320%
278	16.383	16.362	16.389	PV	2071	13635	0.38%	0.032%
279	16.394	16.389	16.402	VV	1923	11832	0.33%	0.028%
280	16.449	16.402	16.468	VV	5682	149037	4.17%	0.350%
281	16.479	16.468	16.491	VV	4775	53749	1.51%	0.126%
282	16.496	16.491	16.510	VV	4691	27469	0.77%	0.065%
283	16.533	16.510	16.541	PV	6812	76550	2.14%	0.180%
284	16.567	16.541	16.577	VV	10497	176704	4.95%	0.415%
285	16.584	16.577	16.627	VV	8896	190488	5.33%	0.447%
286	16.631	16.627	16.652	VV	5049	42305	1.18%	0.099%
287	16.677	16.652	16.703	VV	8161	143307	4.01%	0.337%
288	16.729	16.703	16.747	VV	23791	342847	9.60%	0.805%
289	16.772	16.747	16.795	VV	111781	1615951	45.25%	3.795%
290	16.810	16.795	16.846	VV	35614	666424	18.66%	1.565%
291	16.862	16.846	16.875	VV	10563	134790	3.77%	0.317%
292	16.895	16.875	16.904	VV	12823	182217	5.10%	0.428%
293	16.916	16.904	16.932	VV	18401	260682	7.30%	0.612%
294	16.939	16.932	16.979	VV	13319	267715	7.50%	0.629%
295	16.992	16.979	17.017	VV	5234	78426	2.20%	0.184%
296	17.038	17.017	17.051	PV	14653	188916	5.29%	0.444%
297	17.056	17.051	17.073	VV	11933	129627	3.63%	0.304%
298	17.096	17.073	17.133	VV	63574	899457	25.19%	2.112%
299	17.162	17.133	17.184	PV	68481	1020246	28.57%	2.396%

rteres

300	17.195	17.184	17.215	VV	37277	552279	15.47%	1.297%
301	17.222	17.215	17.247	VV	22060	300521	8.42%	0.706%
302	17.266	17.247	17.291	VV	20686	351923	9.86%	0.826%
303	17.295	17.291	17.312	VV	9289	84120	2.36%	0.198%
304	17.317	17.312	17.334	VV	3328	30330	0.85%	0.071%
305	17.344	17.334	17.349	VV	3293	17381	0.49%	0.041%
306	17.375	17.349	17.404	VV	10295	227104	6.36%	0.533%
307	17.427	17.404	17.434	VV	11600	181568	5.08%	0.426%
308	17.442	17.434	17.468	VV	14510	160525	4.50%	0.377%
309	17.484	17.468	17.501	PBA	3821	98463	2.76%	0.231%

Sum of corrected areas: 42580483

FF052125.M Thu Jun 05 03:48:50 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF060425\
Data File : FF015904.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 16:48
Operator : YP\AJ
Sample : Q2176-05
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-28

Integration File: autoint1.e
Quant Time: Jun 05 03:04:35 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...	15.020	1323052	10.833 ug/ml
Target Compounds			

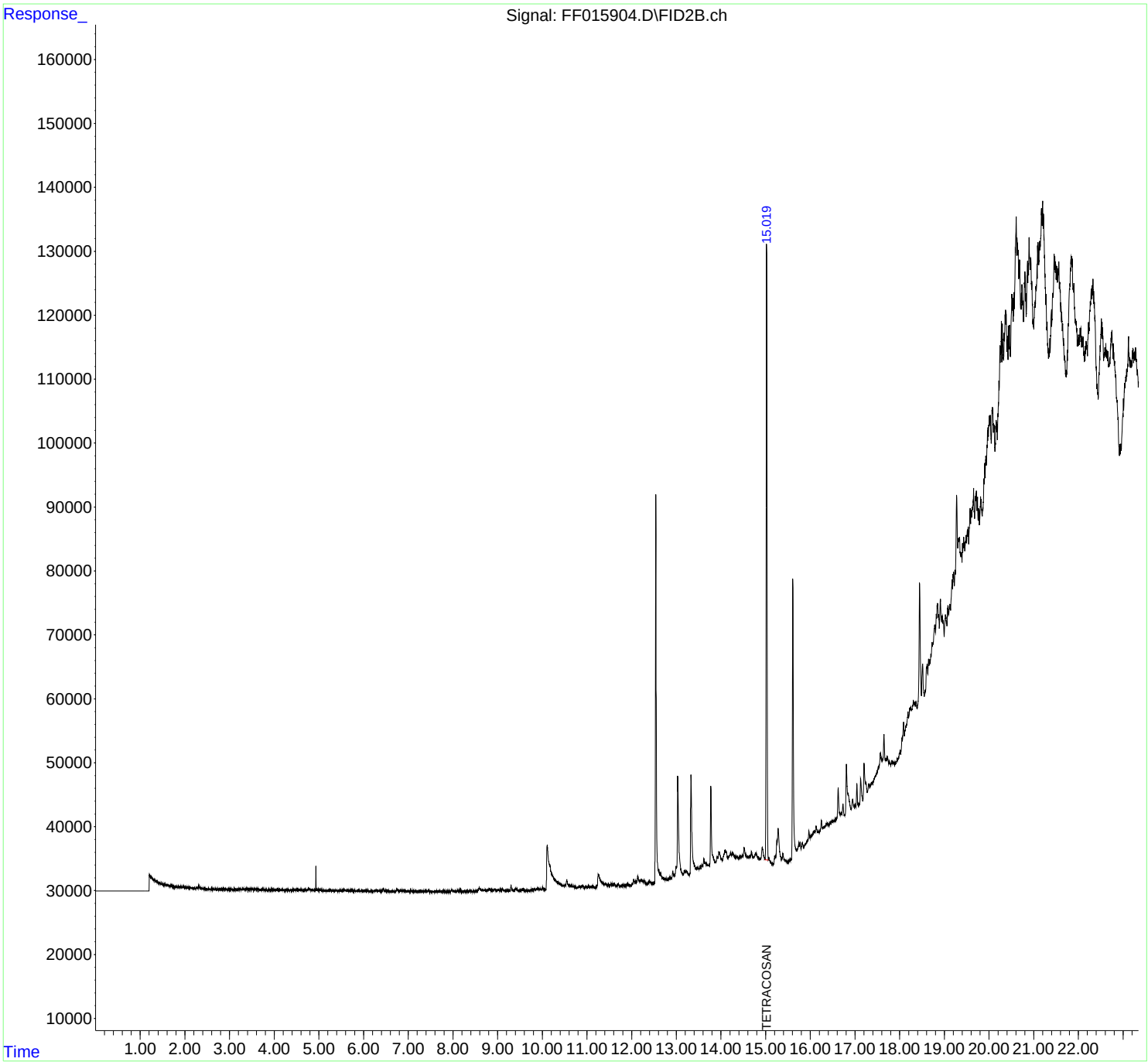
(f)=RT Delta > 1/2 Window (m)=manual int.

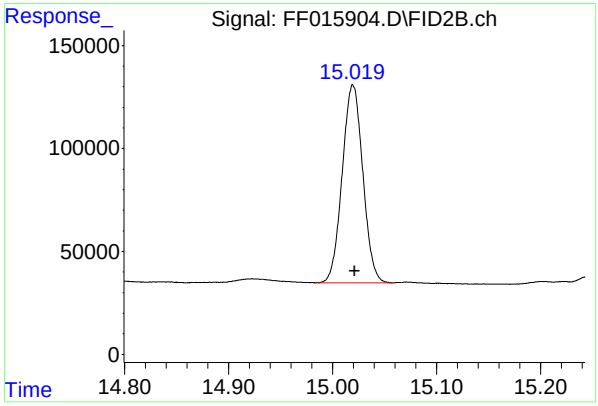
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF060425\
Data File : FF015904.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 16:48
Operator : YP\AJ
Sample : Q2176-05
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-28

Integration File: autoint1.e
Quant Time: Jun 05 03:04:35 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.:	15.020 min
Delta R.T.:	-0.001 mi
Response:	1323052
Conc:	10.83 ug/m

Instrument :
FID_F
ClientSampleId :
TP-28

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 : FF015904.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 16:48
Sample : Q2176-05
Misc :
ALS Vial : 78 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	4.549	BV	79	481	0.04%	0.005%
2	4.569	4.549	4.595	PV	170	3083	0.23%	0.034%
3	4.601	4.595	4.642	VV	213	2955	0.22%	0.032%
4	4.646	4.642	4.660	VV	92	935	0.07%	0.010%
5	4.665	4.660	4.671	VV	85	570	0.04%	0.006%
6	4.682	4.671	4.694	VV	207	2022	0.15%	0.022%
7	4.699	4.694	4.706	VV	238	1160	0.08%	0.013%
8	4.716	4.706	4.742	VV	231	2795	0.20%	0.030%
9	4.760	4.742	4.771	VV	320	4027	0.29%	0.044%
10	4.780	4.771	4.795	VV	311	3464	0.25%	0.038%
11	4.797	4.795	4.806	VV	307	1311	0.10%	0.014%
12	4.813	4.806	4.818	VV	198	1244	0.09%	0.014%
13	4.822	4.818	4.825	VV	142	708	0.05%	0.008%
14	4.833	4.825	4.840	VV	190	1377	0.10%	0.015%
15	4.842	4.840	4.846	VV	153	557	0.04%	0.006%
16	4.859	4.846	4.866	VV	229	1955	0.14%	0.021%
17	4.874	4.866	4.878	VV	171	965	0.07%	0.011%
18	4.882	4.878	4.887	VV	119	659	0.05%	0.007%
19	4.893	4.887	4.909	VV	161	1726	0.13%	0.019%
20	4.931	4.909	4.939	VV	3364	5101	0.37%	0.056%
21	4.947	4.939	4.959	VV	166	1562	0.11%	0.017%
22	4.962	4.959	4.970	VV	190	883	0.06%	0.010%
23	4.974	4.970	4.977	VV	181	583	0.04%	0.006%
24	4.983	4.977	5.010	VV	203	2760	0.20%	0.030%
25	5.029	5.010	5.037	VV	200	2157	0.16%	0.023%
26	5.043	5.037	5.055	VV	191	1192	0.09%	0.013%
27	5.068	5.055	5.079	VV	158	1516	0.11%	0.017%
28	5.088	5.079	5.104	VV	179	1727	0.13%	0.019%
29	5.108	5.104	5.119	VV	125	705	0.05%	0.008%
30	5.132	5.119	5.141	VV	171	1103	0.08%	0.012%
31	5.144	5.141	5.156	VV	135	835	0.06%	0.009%
32	5.172	5.156	5.191	VV	125	1915	0.14%	0.021%
33	5.203	5.191	5.215	VV	167	1295	0.09%	0.014%
34	5.238	5.215	5.253	VV	201	3125	0.23%	0.034%
35	5.258	5.253	5.274	VV	151	1408	0.10%	0.015%
36	5.288	5.274	5.307	VV	148	1698	0.12%	0.018%

rteres

37	5.312	5.307	5.320	VV	118	591	0.04%	0.006%
38	5.324	5.320	5.338	VV	128	741	0.05%	0.008%
39	5.344	5.338	5.375	VV	176	2472	0.18%	0.027%
40	5.379	5.375	5.390	VV	104	880	0.06%	0.010%
41	5.392	5.390	5.419	VV	152	1501	0.11%	0.016%
42	5.435	5.419	5.447	PV	104	1251	0.09%	0.014%
43	5.453	5.447	5.467	VV	128	1099	0.08%	0.012%
44	5.473	5.467	5.490	VV	109	1048	0.08%	0.011%
45	5.497	5.490	5.516	VV	139	1656	0.12%	0.018%
46	5.521	5.516	5.538	VV	154	1300	0.10%	0.014%
47	5.547	5.538	5.564	VV	191	2235	0.16%	0.024%
48	5.569	5.564	5.578	VV	163	1072	0.08%	0.012%
49	5.582	5.578	5.593	VV	158	867	0.06%	0.009%
50	5.600	5.593	5.619	VV	187	1625	0.12%	0.018%
51	5.634	5.619	5.656	VV	174	2475	0.18%	0.027%
52	5.663	5.656	5.683	VV	149	1584	0.12%	0.017%
53	5.688	5.683	5.694	VV	89	478	0.04%	0.005%
54	5.706	5.694	5.713	VV	178	1195	0.09%	0.013%
55	5.718	5.713	5.726	VV	130	847	0.06%	0.009%
56	5.730	5.726	5.760	VV	130	2506	0.18%	0.027%
57	5.763	5.760	5.775	VV	136	811	0.06%	0.009%
58	5.781	5.775	5.786	VV	121	398	0.03%	0.004%
59	5.791	5.786	5.796	VV	144	446	0.03%	0.005%
60	5.800	5.796	5.806	VV	93	439	0.03%	0.005%
61	5.822	5.806	5.844	VV	100	1425	0.10%	0.016%
62	5.878	5.844	5.885	VV	163	1848	0.14%	0.020%
63	5.887	5.885	5.896	VV	111	691	0.05%	0.008%
64	5.901	5.896	5.920	VV	126	1086	0.08%	0.012%
65	5.930	5.920	5.941	VV	105	1010	0.07%	0.011%
66	5.945	5.941	5.964	VV	102	1170	0.09%	0.013%
67	5.964	5.964	5.971	VV	155	318	0.02%	0.003%
68	5.986	5.971	6.030	VV	192	4267	0.31%	0.046%
69	6.034	6.030	6.064	VV	133	1687	0.12%	0.018%
70	6.071	6.064	6.077	VV	126	743	0.05%	0.008%
71	6.095	6.077	6.101	VV	145	1455	0.11%	0.016%
72	6.104	6.101	6.119	VV	125	937	0.07%	0.010%
73	6.133	6.119	6.150	VV	111	1361	0.10%	0.015%
74	6.154	6.150	6.157	VV	92	288	0.02%	0.003%
75	6.175	6.157	6.200	VV	167	2687	0.20%	0.029%
76	6.212	6.200	6.224	PV	96	945	0.07%	0.010%
77	6.234	6.224	6.252	VV	163	1959	0.14%	0.021%
78	6.278	6.252	6.314	VV	229	5370	0.39%	0.058%
79	6.321	6.314	6.329	VV	148	1108	0.08%	0.012%
80	6.340	6.329	6.345	VV	158	1190	0.09%	0.013%
81	6.352	6.345	6.368	VV	143	1478	0.11%	0.016%
82	6.376	6.368	6.390	VV	156	1275	0.09%	0.014%
83	6.393	6.390	6.400	VV	89	478	0.03%	0.005%
84	6.406	6.400	6.418	VV	114	731	0.05%	0.008%
85	6.440	6.418	6.480	VV	604	8665	0.63%	0.094%
86	6.487	6.480	6.500	VV	143	1305	0.10%	0.014%
87	6.526	6.500	6.538	VV	175	2709	0.20%	0.029%
88	6.540	6.538	6.562	VV	126	1296	0.09%	0.014%
89	6.567	6.562	6.582	VV	150	887	0.06%	0.010%

rteres

90	6.585	6.582	6.602	VV	84	598	0.04%	0.007%
91	6.613	6.602	6.634	VV	120	1133	0.08%	0.012%
92	6.639	6.634	6.644	PV	114	339	0.02%	0.004%
93	6.647	6.644	6.657	VV	69	441	0.03%	0.005%
94	6.664	6.657	6.670	VV	104	445	0.03%	0.005%
95	6.674	6.670	6.692	VV	63	476	0.03%	0.005%
96	6.700	6.692	6.714	VV	110	808	0.06%	0.009%
97	6.740	6.714	6.775	VV	448	8772	0.64%	0.096%
98	6.777	6.775	6.781	VV	270	893	0.07%	0.010%
99	6.784	6.781	6.789	VV	197	775	0.06%	0.008%
100	6.793	6.789	6.817	VV	187	3008	0.22%	0.033%
101	6.830	6.817	6.841	VV	214	2662	0.20%	0.029%
102	6.862	6.841	6.877	VV	228	3705	0.27%	0.040%
103	6.881	6.877	6.899	VV	193	2089	0.15%	0.023%
104	6.906	6.899	6.917	VV	205	1651	0.12%	0.018%
105	6.920	6.917	6.927	VV	143	800	0.06%	0.009%
106	6.931	6.927	6.946	VV	137	1363	0.10%	0.015%
107	6.951	6.946	6.976	VV	157	2000	0.15%	0.022%
108	6.984	6.976	7.006	VV	148	1657	0.12%	0.018%
109	7.027	7.006	7.032	VV	165	1406	0.10%	0.015%
110	7.036	7.032	7.039	VV	131	406	0.03%	0.004%
111	7.048	7.039	7.060	VV	175	1416	0.10%	0.015%
112	7.077	7.060	7.106	VV	149	3114	0.23%	0.034%
113	7.109	7.106	7.121	VV	171	936	0.07%	0.010%
114	7.150	7.121	7.161	VV	133	2480	0.18%	0.027%
115	7.165	7.161	7.180	VV	139	1012	0.07%	0.011%
116	7.188	7.180	7.215	VV	154	2406	0.18%	0.026%
117	7.243	7.215	7.278	VV	186	3863	0.28%	0.042%
118	7.284	7.278	7.305	VV	121	1545	0.11%	0.017%
119	7.317	7.305	7.323	VV	164	1107	0.08%	0.012%
120	7.326	7.323	7.329	VV	97	272	0.02%	0.003%
121	7.345	7.329	7.355	VV	150	1565	0.11%	0.017%
122	7.361	7.355	7.367	VV	159	821	0.06%	0.009%
123	7.373	7.367	7.430	VV	158	4068	0.30%	0.044%
124	7.451	7.430	7.487	VV	268	4277	0.31%	0.047%
125	7.490	7.487	7.497	VV	104	374	0.03%	0.004%
126	7.508	7.497	7.513	VV	75	575	0.04%	0.006%
127	7.524	7.513	7.547	VV	119	1367	0.10%	0.015%
128	7.551	7.547	7.557	VV	132	546	0.04%	0.006%
129	7.565	7.557	7.595	VV	121	1821	0.13%	0.020%
130	7.600	7.595	7.625	VV	95	1770	0.13%	0.019%
131	7.641	7.625	7.672	VV	193	3617	0.26%	0.039%
132	7.677	7.672	7.689	VV	105	1034	0.08%	0.011%
133	7.752	7.689	7.764	VV	179	5792	0.42%	0.063%
134	7.770	7.764	7.786	VV	144	1649	0.12%	0.018%
135	7.789	7.786	7.812	VV	198	1629	0.12%	0.018%
136	7.822	7.812	7.897	VV	133	4093	0.30%	0.045%
137	7.975	7.897	8.016	PV	367	11159	0.82%	0.122%
138	8.039	8.016	8.051	VV	181	2879	0.21%	0.031%
139	8.058	8.051	8.077	VV	196	2368	0.17%	0.026%
140	8.100	8.077	8.131	VV	265	5068	0.37%	0.055%
141	8.160	8.131	8.221	VV	360	9145	0.67%	0.100%

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142	8.262	8.221	8.302	VV	146	4622	0.34%	0.050%
143	8.331	8.302	8.363	VV	160	3710	0.27%	0.040%
144	8.376	8.363	8.417	VV	161	3695	0.27%	0.040%
145	8.426	8.417	8.453	VV	116	1712	0.13%	0.019%
146	8.475	8.453	8.487	PV	173	1907	0.14%	0.021%
147	8.588	8.487	8.661	VV	647	27553	2.02%	0.300%
148	8.679	8.661	8.716	VV	314	8618	0.63%	0.094%
149	8.719	8.716	8.749	VV	254	3587	0.26%	0.039%
150	8.808	8.749	8.860	VV	393	17969	1.32%	0.196%
151	8.882	8.860	8.916	VV	342	8254	0.60%	0.090%
152	8.936	8.916	8.976	VV	438	9575	0.70%	0.104%
153	8.999	8.976	9.052	VV	302	9882	0.72%	0.108%
154	9.081	9.052	9.091	VV	346	5691	0.42%	0.062%
155	9.105	9.091	9.159	VV	426	9812	0.72%	0.107%
156	9.169	9.159	9.197	VV	213	3609	0.26%	0.039%
157	9.248	9.197	9.274	VV	193	5397	0.40%	0.059%
158	9.301	9.274	9.347	VV	930	16852	1.23%	0.184%
159	9.364	9.347	9.384	VV	194	3358	0.25%	0.037%
160	9.404	9.384	9.458	VV	444	12679	0.93%	0.138%
161	9.480	9.458	9.499	PV	189	2438	0.18%	0.027%
162	9.516	9.499	9.541	VV	179	2811	0.21%	0.031%
163	9.567	9.541	9.669	VV	321	8410	0.62%	0.092%
164	9.690	9.669	9.703	VV	121	1161	0.09%	0.013%
165	9.758	9.703	9.801	VV	218	5791	0.42%	0.063%
166	9.817	9.801	9.864	VV	279	7155	0.52%	0.078%
167	9.898	9.864	9.937	VV	327	9962	0.73%	0.108%
168	9.951	9.937	9.982	VV	285	4645	0.34%	0.051%
169	10.009	9.982	10.069	VV	457	8706	0.64%	0.095%
170	10.110	10.069	10.359	PV	6957	449634	32.93%	4.896%
171	10.369	10.359	10.489	VV	989	57588	4.22%	0.627%
172	10.512	10.489	10.522	VV	679	12233	0.90%	0.133%
173	10.550	10.522	10.625	VV	1439	48057	3.52%	0.523%
174	10.649	10.625	10.686	VV	531	16369	1.20%	0.178%
175	10.693	10.686	10.767	VV	522	14891	1.09%	0.162%
176	10.833	10.767	10.861	VV	419	14136	1.04%	0.154%
177	10.880	10.861	10.895	VV	418	7040	0.52%	0.077%
178	10.912	10.895	10.949	VV	432	8459	0.62%	0.092%
179	10.985	10.949	11.009	VV	298	7295	0.53%	0.079%
180	11.040	11.009	11.079	VV	351	8804	0.64%	0.096%
181	11.123	11.079	11.142	VV	283	7611	0.56%	0.083%
182	11.157	11.142	11.203	VV	257	5087	0.37%	0.055%
183	11.253	11.203	11.407	VV	2042	114745	8.40%	1.249%
184	11.414	11.407	11.497	VV	577	22500	1.65%	0.245%
185	11.551	11.497	11.588	VV	519	22958	1.68%	0.250%
186	11.611	11.588	11.641	VV	681	12649	0.93%	0.138%
187	11.651	11.641	11.675	VV	251	4129	0.30%	0.045%
188	11.697	11.675	11.744	VV	490	9460	0.69%	0.103%
189	11.772	11.744	11.792	PV	208	3664	0.27%	0.040%
190	11.809	11.792	11.852	VV	314	5487	0.40%	0.060%
191	11.902	11.852	11.952	VV	532	12844	0.94%	0.140%
192	11.966	11.952	11.991	VV	206	2205	0.16%	0.024%
193	12.015	11.991	12.024	PV	436	5187	0.38%	0.056%
194	12.046	12.024	12.069	VV	1044	19122	1.40%	0.208%

rteres

195	12.098	12.069	12.116	VV	700	16876	1.24%	0.184%
196	12.135	12.116	12.162	VV	1501	29479	2.16%	0.321%
197	12.175	12.162	12.195	VV	853	14727	1.08%	0.160%
198	12.219	12.195	12.267	VV	865	29632	2.17%	0.323%
199	12.281	12.267	12.307	VV	687	11736	0.86%	0.128%
200	12.318	12.307	12.359	VV	329	6746	0.49%	0.073%
201	12.400	12.359	12.467	VV	483	16651	1.22%	0.181%
202	12.493	12.467	12.508	PV	292	3425	0.25%	0.037%
203	12.539	12.508	12.599	PV	60742	814563	59.67%	8.870%
204	12.609	12.599	12.629	VV	2156	32376	2.37%	0.353%
205	12.644	12.629	12.742	VV	1518	59118	4.33%	0.644%
206	12.769	12.742	12.797	VV	538	13561	0.99%	0.148%
207	12.856	12.797	12.879	VV	754	21521	1.58%	0.234%
208	12.919	12.879	12.971	VV	1448	47895	3.51%	0.522%
209	12.991	12.971	13.007	VV	2136	38484	2.82%	0.419%
210	13.031	13.007	13.157	VV	15967	386605	28.32%	4.210%
211	13.179	13.157	13.199	VV	1324	27457	2.01%	0.299%
212	13.205	13.199	13.214	VV	1130	10102	0.74%	0.110%
213	13.232	13.214	13.274	VV	1155	34105	2.50%	0.371%
214	13.327	13.274	13.451	VV	16100	403076	29.52%	4.389%
215	13.479	13.451	13.514	VV	1466	50560	3.70%	0.551%
216	13.532	13.514	13.552	VV	1645	34006	2.49%	0.370%
217	13.571	13.552	13.592	VV	1742	38268	2.80%	0.417%
218	13.615	13.592	13.637	VV	2733	59060	4.33%	0.643%
219	13.649	13.637	13.724	VV	2125	91661	6.71%	0.998%
220	13.771	13.724	13.872	VV	13853	353373	25.88%	3.848%
221	13.918	13.872	13.931	VV	2680	77287	5.66%	0.842%
222	13.952	13.931	14.028	VV	3386	155852	11.42%	1.697%
223	14.087	14.028	14.104	VV	3456	128044	9.38%	1.394%
224	14.116	14.104	14.160	VV	3317	92122	6.75%	1.003%
225	14.210	14.160	14.234	VV	3041	115113	8.43%	1.253%
226	14.259	14.234	14.320	VV	2928	130040	9.53%	1.416%
227	14.332	14.320	14.394	VV	2247	94127	6.89%	1.025%
228	14.445	14.394	14.460	VV	2105	80248	5.88%	0.874%
229	14.484	14.460	14.496	VV	2144	45701	3.35%	0.498%
230	14.518	14.496	14.597	VV	3388	144411	10.58%	1.572%
231	14.634	14.597	14.652	VV	2028	62102	4.55%	0.676%
232	14.681	14.652	14.739	VV	2659	102383	7.50%	1.115%
233	14.783	14.739	14.821	VV	2227	94943	6.95%	1.034%
234	14.836	14.821	14.872	VV	1635	42773	3.13%	0.466%
235	14.923	14.872	14.984	VV	3012	122232	8.95%	1.331%
236	15.019	14.984	15.059	VV	97247	1365226	100.00%	14.866%
237	15.072	15.059	15.171	VV	1218	33742	2.47%	0.367%
238	15.202	15.171	15.212	VV	1314	19310	1.41%	0.210%
239	15.222	15.212	15.227	VV	1290	10598	0.78%	0.115%
240	15.247	15.227	15.257	VV	3752	51002	3.74%	0.555%
241	15.278	15.257	15.357	VV	5546	163324	11.96%	1.778%
242	15.384	15.357	15.502	VV	1555	48192	3.53%	0.525%
243	15.607	15.502	15.702	PV	43726	692715	50.74%	7.543%
244	15.743	15.702	15.757	VV	1787	40538	2.97%	0.441%
245	15.770	15.757	15.791	VV	1706	23622	1.73%	0.257%
246	15.818	15.791	15.846	VV	1300	28384	2.08%	0.309%

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247	15.929	15.846	15.941	VV	1159	40121	2.94%	0.437%
248	15.967	15.941	15.991	VV	2350	45673	3.35%	0.497%
249	16.011	15.991	16.026	VV	1327	24940	1.83%	0.272%
250	16.086	16.026	16.104	VV	1599	65256	4.78%	0.711%
251	16.128	16.104	16.170	VV	2173	59866	4.39%	0.652%
252	16.181	16.170	16.191	VV	964	11346	0.83%	0.124%
253	16.247	16.191	16.300	VV	2394	79128	5.80%	0.862%
254	16.381	16.300	16.419	VV	1187	68977	5.05%	0.751%
255	16.506	16.419	16.527	VV	899	52017	3.81%	0.566%
256	16.621	16.527	16.674	VV	5289	139888	10.25%	1.523%
257	16.729	16.674	16.759	VV	2227	56491	4.14%	0.615%
258	16.806	16.759	16.917	VV	7963	235910	17.28%	2.569%
259	16.944	16.917	16.985	VV	1743	39122	2.87%	0.426%
260	17.002	16.985	17.017	VV	570	7387	0.54%	0.080%
261	17.041	17.017	17.066	VV	3689	46417	3.40%	0.505%
262	17.082	17.066	17.097	VV	231	2768	0.20%	0.030%
263	17.126	17.097	17.173	PV	3738	69659	5.10%	0.759%
264	17.201	17.173	17.236	PV	5595	106144	7.77%	1.156%
265	17.242	17.236	17.274	VV	2009	28286	2.07%	0.308%
266	17.309	17.274	17.325	VV	1072	18520	1.36%	0.202%
267	17.382	17.325	17.397	VV	352	14173	1.04%	0.154%
			Sum of corrected areas:			9183535		

FF052125.M Thu Jun 05 03:49:24 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF060425\
Data File : FF015905.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 17:18
Operator : YP\AJ
Sample : Q2176-06
Misc :
ALS Vial : 79 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jun 05 03:04:51 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

Instrument :
FID_F
ClientSampleId :
TP-27

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.018	1241126	10.162 ug/mlm
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF060425\
Data File : FF015905.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 17:18
Operator : YP\AJ
Sample : Q2176-06
Misc :
ALS Vial : 79 Sample Multiplier: 1

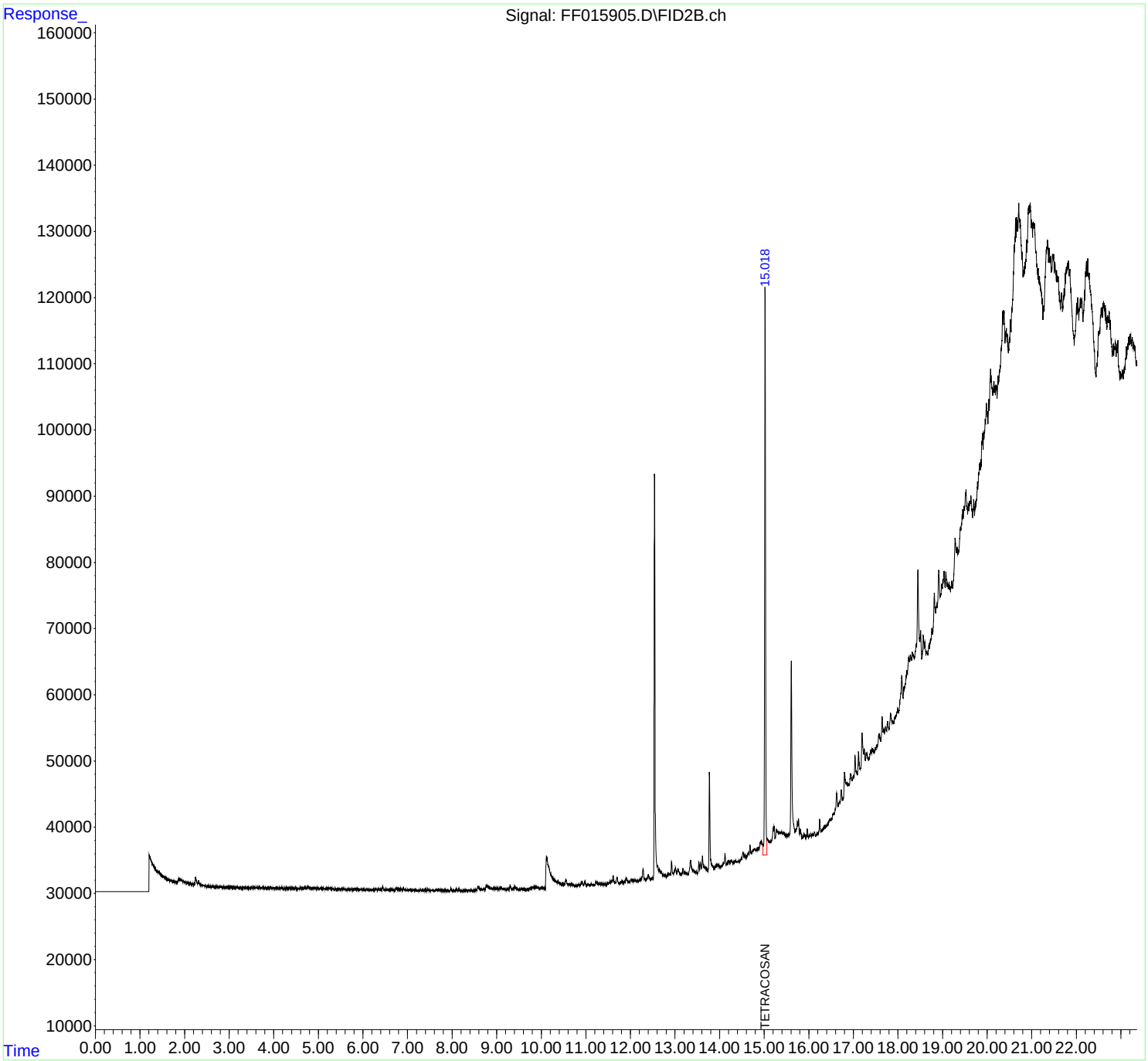
Integration File: autoint1.e
Quant Time: Jun 05 03:04:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF052125.M
Quant Title :
QLast Update : Wed May 21 12:32:51 2025
Response via : Initial Calibration
Integrator: ChemStation

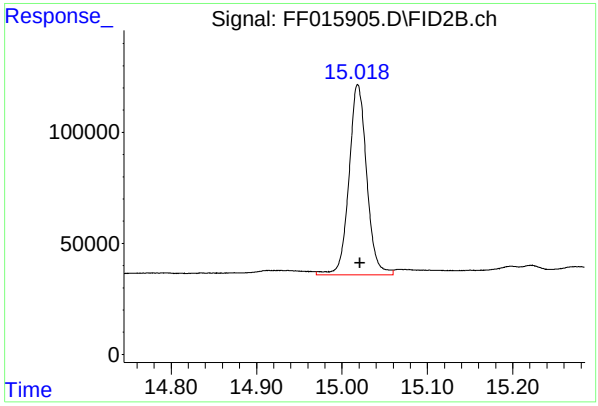
Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Instrument :
FID_F
ClientSampleId :
TP-27

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/05/2025
Supervised By :mohammad ahmed 06/06/2025





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.018 min
Delta R.T.: -0.003 mi
Response: 1241126
Conc: 10.16 ug/m

Instrument :
FID_F
ClientSampleId :
TP-27

Manual Integrations
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Reviewed By :Yogesh Patel 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

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Instrument :
FID_F
ClientSampleId :
TP-27

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF06042
Data File : FF015905.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 17:18
Sample : Q2176-06
Misc :
ALS Vial : 79 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	4.508	4.500	4.523	BV	77	620	0.05%	0.009%
2	4.529	4.523	4.551	PV	130	1269	0.10%	0.018%
3	4.570	4.551	4.584	VV	179	2175	0.18%	0.032%
4	4.590	4.584	4.602	VV	179	1454	0.12%	0.021%
5	4.607	4.602	4.615	VV	153	926	0.08%	0.013%
6	4.620	4.615	4.640	VV	180	1622	0.13%	0.024%
7	4.648	4.640	4.670	VV	256	2130	0.18%	0.031%
8	4.689	4.670	4.692	VV	213	2056	0.17%	0.030%
9	4.697	4.692	4.724	VV	221	3322	0.27%	0.048%
10	4.730	4.724	4.736	VV	175	1093	0.09%	0.016%
11	4.759	4.736	4.763	VV	346	4230	0.35%	0.061%
12	4.769	4.763	4.780	VV	352	3014	0.25%	0.044%
13	4.783	4.780	4.790	VV	339	1782	0.15%	0.026%
14	4.795	4.790	4.804	VV	336	2221	0.18%	0.032%
15	4.811	4.804	4.824	VV	291	2505	0.21%	0.036%
16	4.837	4.824	4.843	VV	254	2518	0.21%	0.037%
17	4.849	4.843	4.882	VV	216	4684	0.39%	0.068%
18	4.887	4.882	4.895	VV	213	1326	0.11%	0.019%
19	4.905	4.895	4.913	VV	242	2193	0.18%	0.032%
20	4.920	4.913	4.948	VV	239	3995	0.33%	0.058%
21	4.955	4.948	4.978	VV	188	3109	0.26%	0.045%
22	4.988	4.978	4.993	VV	218	1554	0.13%	0.023%
23	5.006	4.993	5.018	VV	231	2584	0.21%	0.038%
24	5.024	5.018	5.033	VV	228	1598	0.13%	0.023%
25	5.043	5.033	5.062	VV	201	2840	0.23%	0.041%
26	5.075	5.062	5.093	VV	216	3147	0.26%	0.046%
27	5.095	5.093	5.103	VV	214	1078	0.09%	0.016%
28	5.111	5.103	5.117	VV	171	1256	0.10%	0.018%
29	5.129	5.117	5.142	VV	211	2557	0.21%	0.037%
30	5.149	5.142	5.153	VV	169	1012	0.08%	0.015%
31	5.165	5.153	5.175	VV	185	1857	0.15%	0.027%
32	5.179	5.175	5.192	VV	212	1472	0.12%	0.021%
33	5.212	5.192	5.216	VV	222	2264	0.19%	0.033%
34	5.232	5.216	5.266	VV	242	5599	0.46%	0.081%
35	5.270	5.266	5.277	VV	192	1091	0.09%	0.016%
36	5.282	5.277	5.293	VV	190	1473	0.12%	0.021%

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Instrument :
FID_F
ClientSampleId :
TP-27

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

					rteres			
37	5.317	5.293	5.337	VV	186	3357	0.28%	0.049%
38	5.346	5.337	5.356	VV	138	1194		
39	5.361	5.356	5.398	VV	139	2798		
40	5.422	5.398	5.454	VV	125	2995		
41	5.467	5.454	5.472	VV	134	1252		
42	5.477	5.472	5.496	VV	150	1439		
43	5.501	5.496	5.514	VV	145	1131	0.09%	0.016%
44	5.543	5.514	5.568	VV	169	3608	0.30%	0.052%
45	5.576	5.568	5.589	VV	149	1283	0.11%	0.019%
46	5.593	5.589	5.596	VV	89	294	0.02%	0.004%
47	5.599	5.596	5.604	VV	73	300	0.02%	0.004%
48	5.607	5.604	5.628	VV	110	1092	0.09%	0.016%
49	5.633	5.628	5.662	VV	123	1468	0.12%	0.021%
50	5.666	5.662	5.687	VV	135	972	0.08%	0.014%
51	5.707	5.687	5.716	VV	125	1191	0.10%	0.017%
52	5.721	5.716	5.727	VV	110	504	0.04%	0.007%
53	5.745	5.727	5.763	VV	178	2241	0.18%	0.033%
54	5.769	5.763	5.778	VV	145	900	0.07%	0.013%
55	5.784	5.778	5.798	VV	169	1228	0.10%	0.018%
56	5.808	5.798	5.832	VV	169	2168	0.18%	0.031%
57	5.836	5.832	5.868	VV	131	2031	0.17%	0.029%
58	5.875	5.868	5.884	VV	160	1059	0.09%	0.015%
59	5.888	5.884	5.899	VV	125	925	0.08%	0.013%
60	5.901	5.899	5.924	VV	180	1494	0.12%	0.022%
61	5.935	5.924	5.967	VV	115	2108	0.17%	0.031%
62	5.977	5.967	5.985	VV	210	1325	0.11%	0.019%
63	5.990	5.985	5.999	VV	152	1027	0.08%	0.015%
64	6.004	5.999	6.019	VV	134	1254	0.10%	0.018%
65	6.021	6.019	6.060	VV	146	2288	0.19%	0.033%
66	6.066	6.060	6.069	VV	105	503	0.04%	0.007%
67	6.081	6.069	6.085	VV	100	798	0.07%	0.012%
68	6.090	6.085	6.105	VV	116	1121	0.09%	0.016%
69	6.108	6.105	6.120	VV	76	584	0.05%	0.008%
70	6.125	6.120	6.154	VV	96	1209	0.10%	0.018%
71	6.164	6.154	6.168	PV	106	452	0.04%	0.007%
72	6.182	6.168	6.194	VV	159	1730	0.14%	0.025%
73	6.204	6.194	6.208	VV	99	596	0.05%	0.009%
74	6.211	6.208	6.220	VV	105	461	0.04%	0.007%
75	6.239	6.220	6.252	VV	114	1448	0.12%	0.021%
76	6.258	6.252	6.269	VV	91	639	0.05%	0.009%
77	6.281	6.269	6.341	VV	186	6382	0.52%	0.093%
78	6.352	6.341	6.384	VV	200	3544	0.29%	0.051%
79	6.392	6.384	6.407	VV	168	1826	0.15%	0.027%
80	6.444	6.407	6.480	VV	653	11725	0.96%	0.170%
81	6.492	6.480	6.499	VV	166	1495	0.12%	0.022%
82	6.501	6.499	6.511	VV	187	1098	0.09%	0.016%
83	6.517	6.511	6.521	VV	180	813	0.07%	0.012%
84	6.529	6.521	6.538	VV	177	1512	0.12%	0.022%
85	6.543	6.538	6.597	VV	183	5000	0.41%	0.073%
86	6.612	6.597	6.643	VV	172	3490	0.29%	0.051%
87	6.649	6.643	6.664	VV	187	1851	0.15%	0.027%
88	6.681	6.664	6.724	VV	141	4202	0.35%	0.061%
89	6.744	6.724	6.782	VV	448	9819	0.81%	0.143%

Instrument :
FID_F
ClientSampleId :
TP-27

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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

90	6.786	6.782	6.827	VV	298	6787	0.56%	0.099%
91	6.834	6.827	6.851	VV	260	3324		
92	6.857	6.851	6.869	VV	198	2037		
93	6.887	6.869	6.912	VV	272	5550		
94	6.917	6.912	6.939	VV	272	2952		
95	6.942	6.939	6.950	VV	171	1069		
96	6.955	6.950	6.971	VV	207	1727	0.14%	0.025%
97	6.974	6.971	6.989	VV	162	1131	0.09%	0.016%
98	6.997	6.989	7.004	VV	158	1153	0.09%	0.017%
99	7.008	7.004	7.014	VV	98	534	0.04%	0.008%
100	7.017	7.014	7.032	VV	135	1118	0.09%	0.016%
101	7.037	7.032	7.047	VV	128	777	0.06%	0.011%
102	7.052	7.047	7.058	VV	112	606	0.05%	0.009%
103	7.070	7.058	7.087	VV	104	1460	0.12%	0.021%
104	7.091	7.087	7.099	VV	100	523	0.04%	0.008%
105	7.107	7.099	7.114	VV	127	710	0.06%	0.010%
106	7.122	7.114	7.129	VV	125	626	0.05%	0.009%
107	7.153	7.129	7.163	VV	144	1803	0.15%	0.026%
108	7.175	7.163	7.187	VV	151	1464	0.12%	0.021%
109	7.191	7.187	7.197	VV	121	537	0.04%	0.008%
110	7.202	7.197	7.214	VV	90	553	0.05%	0.008%
111	7.217	7.214	7.255	VV	71	1993	0.16%	0.029%
112	7.259	7.255	7.274	VV	144	1253	0.10%	0.018%
113	7.290	7.274	7.309	VV	184	2977	0.24%	0.043%
114	7.317	7.309	7.372	VV	190	5146	0.42%	0.075%
115	7.376	7.372	7.392	VV	150	1569	0.13%	0.023%
116	7.397	7.392	7.403	VV	139	651	0.05%	0.009%
117	7.409	7.403	7.417	VV	132	801	0.07%	0.012%
118	7.421	7.417	7.429	VV	119	697	0.06%	0.010%
119	7.455	7.429	7.499	VV	318	6523	0.54%	0.095%
120	7.504	7.499	7.522	PV	134	1234	0.10%	0.018%
121	7.528	7.522	7.530	VV	141	536	0.04%	0.008%
122	7.539	7.530	7.569	VV	182	2871	0.24%	0.042%
123	7.577	7.569	7.585	VV	185	1306	0.11%	0.019%
124	7.592	7.585	7.602	VV	174	1275	0.10%	0.019%
125	7.604	7.602	7.617	VV	154	987	0.08%	0.014%
126	7.621	7.617	7.624	VV	158	577	0.05%	0.008%
127	7.630	7.624	7.647	VV	193	2391	0.20%	0.035%
128	7.653	7.647	7.664	VV	203	1790	0.15%	0.026%
129	7.669	7.664	7.687	VV	167	1891	0.16%	0.027%
130	7.730	7.687	7.736	VV	205	4681	0.38%	0.068%
131	7.758	7.736	7.766	VV	193	2571	0.21%	0.037%
132	7.770	7.766	7.797	VV	191	2134	0.18%	0.031%
133	7.809	7.797	7.819	VV	148	1478	0.12%	0.021%
134	7.823	7.819	7.834	VV	162	1012	0.08%	0.015%
135	7.840	7.834	7.855	VV	181	1465	0.12%	0.021%
136	7.860	7.855	7.882	VV	175	2000	0.16%	0.029%
137	7.886	7.882	7.900	VV	118	978	0.08%	0.014%
138	7.910	7.900	7.928	VV	139	1317	0.11%	0.019%
139	7.972	7.928	8.007	VV	428	8760	0.72%	0.127%
140	8.015	8.007	8.054	VV	139	2720	0.22%	0.039%
141	8.057	8.054	8.065	VV	122	751	0.06%	0.011%

Instrument :
FID_F
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TP-27

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

rteres

142	8.071	8.065	8.082	VV	178	1325	0.11%	0.019%
143	8.097	8.082	8.129	VV	316	5542		
144	8.152	8.129	8.185	VV	393	7842		
145	8.190	8.185	8.219	VV	167	2089		
146	8.222	8.219	8.237	VV	76	619		
147	8.248	8.237	8.264	PV	130	1299		
148	8.269	8.264	8.272	VV	125	554	0.05%	0.008%
149	8.275	8.272	8.279	VV	121	455	0.04%	0.007%
150	8.282	8.279	8.308	VV	116	1209	0.10%	0.018%
151	8.324	8.308	8.359	VV	173	3094	0.25%	0.045%
152	8.362	8.359	8.367	VV	104	583	0.05%	0.008%
153	8.379	8.367	8.421	VV	236	4639	0.38%	0.067%
154	8.437	8.421	8.444	VV	117	1052	0.09%	0.015%
155	8.454	8.444	8.470	VV	112	852	0.07%	0.012%
156	8.484	8.470	8.490	VV	200	909	0.07%	0.013%
157	8.495	8.490	8.516	VV	135	1843	0.15%	0.027%
158	8.542	8.516	8.550	VV	242	3437	0.28%	0.050%
159	8.582	8.550	8.660	VV	725	23365	1.92%	0.339%
160	8.672	8.660	8.688	VV	261	3709	0.30%	0.054%
161	8.715	8.688	8.735	VV	322	7126	0.59%	0.103%
162	8.771	8.735	8.866	VV	749	40001	3.29%	0.581%
163	8.874	8.866	8.880	VV	361	2826	0.23%	0.041%
164	8.888	8.880	8.909	VV	393	5195	0.43%	0.075%
165	8.935	8.909	8.981	VV	534	13503	1.11%	0.196%
166	9.003	8.981	9.019	VV	362	6845	0.56%	0.099%
167	9.024	9.019	9.045	VV	322	4461	0.37%	0.065%
168	9.050	9.045	9.061	VV	265	2409	0.20%	0.035%
169	9.102	9.061	9.141	VV	531	16412	1.35%	0.238%
170	9.149	9.141	9.168	VV	240	3555	0.29%	0.052%
171	9.172	9.168	9.202	VV	255	3656	0.30%	0.053%
172	9.205	9.202	9.214	VV	149	878	0.07%	0.013%
173	9.222	9.214	9.227	VV	155	991	0.08%	0.014%
174	9.249	9.227	9.275	VV	259	5274	0.43%	0.077%
175	9.302	9.275	9.350	VV	838	16878	1.39%	0.245%
176	9.355	9.350	9.357	VV	212	798	0.07%	0.012%
177	9.361	9.357	9.374	VV	264	2158	0.18%	0.031%
178	9.400	9.374	9.512	VV	589	20681	1.70%	0.300%
179	9.515	9.512	9.528	VV	103	932	0.08%	0.014%
180	9.536	9.528	9.541	VV	124	722	0.06%	0.010%
181	9.572	9.541	9.602	VV	314	5837	0.48%	0.085%
182	9.608	9.602	9.667	VV	161	2408	0.20%	0.035%
183	9.680	9.667	9.704	VV	112	1719	0.14%	0.025%
184	9.813	9.704	9.834	PV	405	18380	1.51%	0.267%
185	9.840	9.834	9.876	VV	359	8413	0.69%	0.122%
186	9.896	9.876	9.939	VV	404	10555	0.87%	0.153%
187	9.949	9.939	9.990	VV	257	4314	0.35%	0.063%
188	10.007	9.990	10.069	VV	351	6657	0.55%	0.097%
189	10.117	10.069	10.330	VV	4887	338765	27.85%	4.919%
190	10.338	10.330	10.430	VV	1036	48479	3.99%	0.704%
191	10.441	10.430	10.475	VV	571	14183	1.17%	0.206%
192	10.510	10.475	10.529	VV	566	16534	1.36%	0.240%
193	10.552	10.529	10.630	VV	1165	40523	3.33%	0.588%
194	10.649	10.630	10.677	VV	476	11442	0.94%	0.166%

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Instrument :
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Manual IntegrationsAPPROVED

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195	10.701	10.677	10.779	VV	484	15683	1.29%	0.228%
196	10.834	10.779	10.867	VV	343	10813		
197	10.911	10.867	10.950	VV	748	19586		
198	10.979	10.950	11.016	VV	793	15583		
199	11.041	11.016	11.097	VV	267	7968		
200	11.124	11.097	11.147	VV	304	5678		
201	11.154	11.147	11.176	VV	168	2475	0.20%	0.036%
202	11.187	11.176	11.203	VV	123	1471	0.12%	0.021%
203	11.232	11.203	11.272	PV	582	15139	1.24%	0.220%
204	11.279	11.272	11.288	VV	317	2463	0.20%	0.036%
205	11.300	11.288	11.315	VV	297	3573	0.29%	0.052%
206	11.330	11.315	11.345	VV	194	2957	0.24%	0.043%
207	11.363	11.345	11.400	VV	186	3196	0.26%	0.046%
208	11.417	11.400	11.452	VV	170	2899	0.24%	0.042%
209	11.470	11.452	11.490	VV	93	1829	0.15%	0.027%
210	11.563	11.490	11.594	VV	481	18691	1.54%	0.271%
211	11.613	11.594	11.674	VV	1299	24998	2.06%	0.363%
212	11.700	11.674	11.740	VV	1026	18902	1.55%	0.274%
213	11.812	11.740	11.836	PV	327	8121	0.67%	0.118%
214	11.903	11.836	11.952	VV	814	21849	1.80%	0.317%
215	11.968	11.952	11.987	VV	192	2534	0.21%	0.037%
216	12.013	11.987	12.029	VV	450	7311	0.60%	0.106%
217	12.045	12.029	12.071	VV	454	7282	0.60%	0.106%
218	12.107	12.071	12.141	VV	346	7395	0.61%	0.107%
219	12.164	12.141	12.175	PV	165	1964	0.16%	0.029%
220	12.283	12.175	12.329	VV	1829	45333	3.73%	0.658%
221	12.342	12.329	12.355	VV	244	2954	0.24%	0.043%
222	12.401	12.355	12.474	VV	822	22676	1.86%	0.329%
223	12.492	12.474	12.508	VV	309	3618	0.30%	0.053%
224	12.540	12.508	12.600	VV	61005	814233	66.95%	11.822%
225	12.608	12.600	12.630	VV	2022	30489	2.51%	0.443%
226	12.646	12.630	12.677	VV	1400	33323	2.74%	0.484%
227	12.690	12.677	12.759	VV	972	30572	2.51%	0.444%
228	12.765	12.759	12.810	VV	421	9438	0.78%	0.137%
229	12.854	12.810	12.877	VV	583	15110	1.24%	0.219%
230	12.888	12.877	12.899	VV	454	5086	0.42%	0.074%
231	12.921	12.899	12.968	VV	2298	41359	3.40%	0.600%
232	13.008	12.968	13.034	VV	1348	32266	2.65%	0.468%
233	13.064	13.034	13.130	VV	1102	34075	2.80%	0.495%
234	13.176	13.130	13.209	VV	1001	21555	1.77%	0.313%
235	13.219	13.209	13.267	VV	383	10580	0.87%	0.154%
236	13.275	13.267	13.300	VV	200	2567	0.21%	0.037%
237	13.346	13.300	13.401	VV	2124	61589	5.06%	0.894%
238	13.414	13.401	13.474	VV	634	15464	1.27%	0.225%
239	13.479	13.474	13.509	VV	247	2460	0.20%	0.036%
240	13.533	13.509	13.550	PV	1651	21386	1.76%	0.311%
241	13.567	13.550	13.589	VV	1459	23575	1.94%	0.342%
242	13.613	13.589	13.670	VV	2376	54100	4.45%	0.785%
243	13.680	13.670	13.734	VV	558	12496	1.03%	0.181%
244	13.770	13.734	13.884	VV	14779	228481	18.79%	3.317%
245	13.920	13.884	13.930	VV	510	8147	0.67%	0.118%
246	13.950	13.930	13.970	VV	518	10129	0.83%	0.147%

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Instrument :
FID_F
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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

A B C D E F G H I J

rteres

247	13.977	13.970	14.002	VV	471	4877	0.40%	0.071%
248	14.020	14.002	14.035	VV	190	1967		
249	14.082	14.035	14.097	PV	587	11116		
250	14.120	14.097	14.152	VV	1907	29075		
251	14.174	14.152	14.185	VV	352	4710		
252	14.211	14.185	14.235	VV	595	12461		
253	14.256	14.235	14.315	VV	617	16137	1.33%	0.234%
254	14.353	14.315	14.384	VV	383	9386	0.77%	0.136%
255	14.428	14.384	14.437	VV	156	3909	0.32%	0.057%
256	14.482	14.437	14.492	PV	404	6063	0.50%	0.088%
257	14.521	14.492	14.549	VV	1316	29263	2.41%	0.425%
258	14.564	14.549	14.589	VV	743	14785	1.22%	0.215%
259	14.637	14.589	14.662	VV	967	27785	2.28%	0.403%
260	14.682	14.662	14.707	VV	2015	34843	2.86%	0.506%
261	14.776	14.707	14.785	VV	1151	45787	3.76%	0.665%
262	14.794	14.785	14.818	VV	1197	20352	1.67%	0.295%
263	14.916	14.818	14.984	VV	2030	132670	10.91%	1.926%
264	15.019	14.984	15.058	VV	85352	1216213	100.00%	17.658%
265	15.069	15.058	15.132	VV	2156	78108	6.42%	1.134%
266	15.198	15.132	15.207	VV	3281	90941	7.48%	1.320%
267	15.221	15.207	15.244	VV	3617	62582	5.15%	0.909%
268	15.276	15.244	15.324	VV	2865	118876	9.77%	1.726%
269	15.345	15.324	15.366	VV	2426	59449	4.89%	0.863%
270	15.385	15.366	15.410	VV	2408	60348	4.96%	0.876%
271	15.432	15.410	15.471	VV	2162	73238	6.02%	1.063%
272	15.484	15.471	15.501	VV	1708	30123	2.48%	0.437%
273	15.606	15.501	15.694	VV	27638	629234	51.74%	9.136%
274	15.744	15.694	15.754	VV	3146	81840	6.73%	1.188%
275	15.768	15.754	15.788	VV	3525	53959	4.44%	0.783%
276	15.804	15.788	15.854	VV	1844	45917	3.78%	0.667%
277	15.892	15.854	15.944	VV	821	29390	2.42%	0.427%
278	15.964	15.944	15.990	VV	1460	23214	1.91%	0.337%
279	16.002	15.990	16.015	VV	384	4752	0.39%	0.069%
280	16.045	16.015	16.065	VV	591	11924	0.98%	0.173%
281	16.084	16.065	16.105	VV	466	7960	0.65%	0.116%
282	16.127	16.105	16.154	VV	730	11832	0.97%	0.172%
283	16.181	16.154	16.202	PV	180	3455	0.28%	0.050%
284	16.243	16.202	16.276	PV	2035	27275	2.24%	0.396%
285	16.350	16.276	16.362	PV	257	6685	0.55%	0.097%
286	16.384	16.362	16.395	PV	295	3380	0.28%	0.049%
287	16.468	16.395	16.484	PV	416	8869	0.73%	0.129%
288	16.496	16.484	16.505	VV	268	2441	0.20%	0.035%
289	16.559	16.505	16.568	PV	335	9374	0.77%	0.136%
290	16.623	16.568	16.660	VV	2755	62804	5.16%	0.912%
291	16.691	16.660	16.700	VV	803	15763	1.30%	0.229%
292	16.728	16.700	16.752	VV	2222	36534	3.00%	0.530%
293	16.764	16.752	16.773	VV	699	5910	0.49%	0.086%
294	16.802	16.773	16.883	VV	4019	141530	11.64%	2.055%
295	16.939	16.883	16.973	VV	2430	87714	7.21%	1.274%
296	17.038	16.973	17.090	VV	4175	121811	10.02%	1.769%
297	17.115	17.090	17.153	VV	3933	76757	6.31%	1.114%
298	17.194	17.153	17.228	VV	5983	139349	11.46%	2.023%
299	17.244	17.228	17.268	VV	3034	53838	4.43%	0.782%

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Instrument :
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rteres

300	17.292	17.268	17.328	VV	1934	49604	4.08%	0.720%
301	17.335	17.328	17.357	VV	804	8970	0	
302	17.393	17.357	17.410	VV	1273	28355	2	
303	17.426	17.410	17.464	VV	1133	25510	2	
304	17.490	17.464	17.500	PBA	387	15508	1	
			Sum of corrected areas:				68	

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

FF052125.M Thu Jun 05 03:50:14 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF060425\
Data File : FF015906.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 17:47
Operator : YP\AJ
Sample : Q2176-07
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-31

Integration File: autoint1.e
Quant Time: Jun 05 03:05:04 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...	15.021	1224500	10.026 ug/ml
Target Compounds			

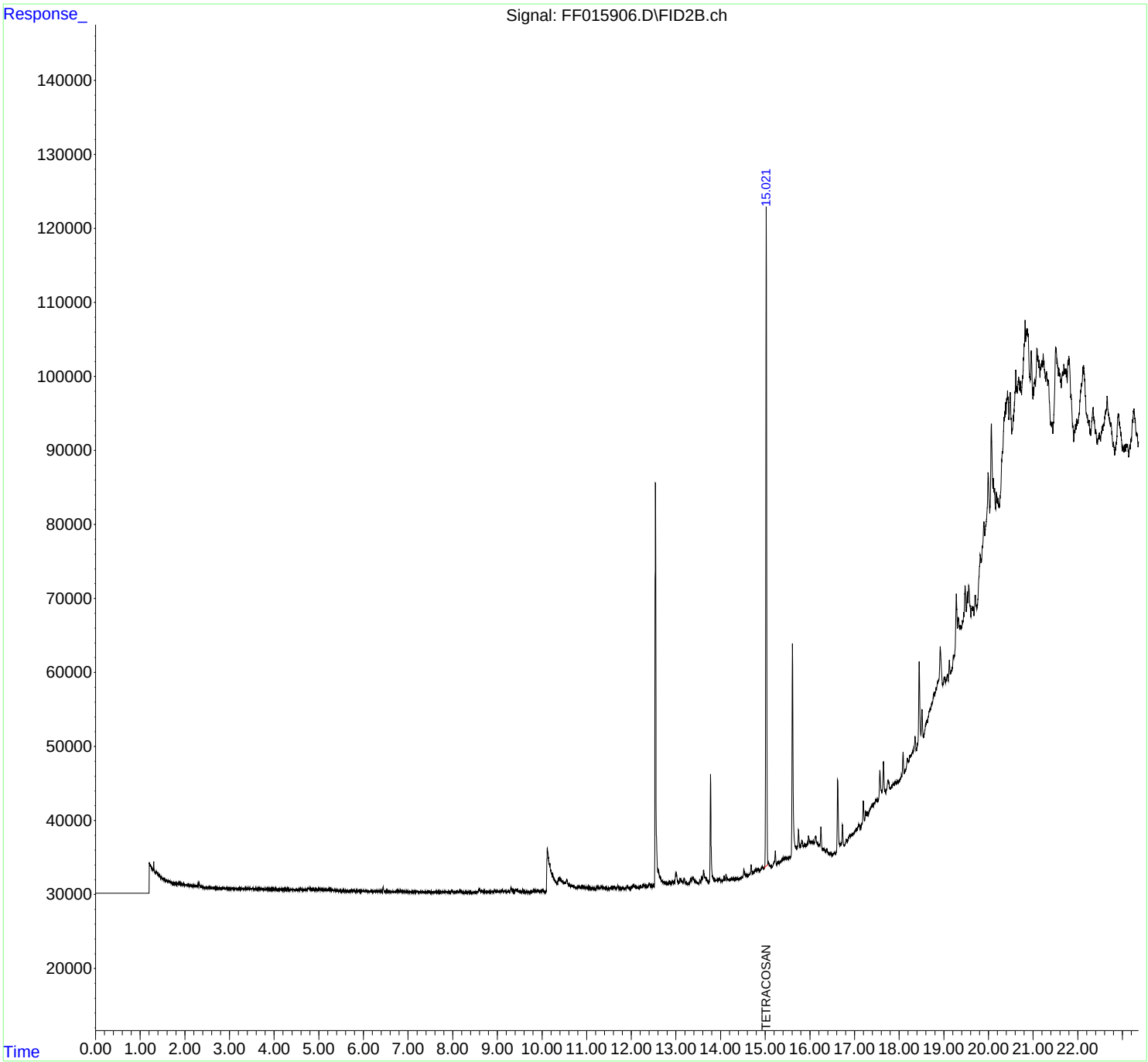
(f)=RT Delta > 1/2 Window (m)=manual int.

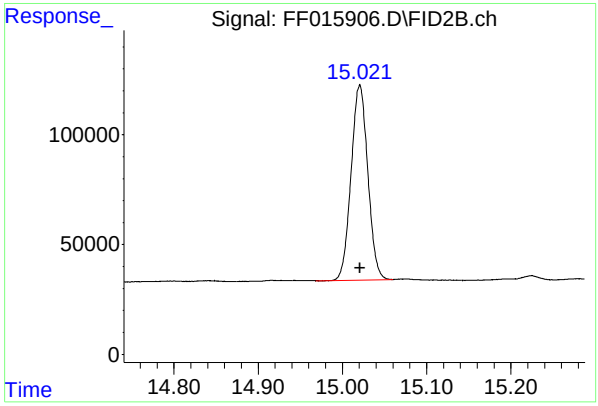
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF060425\
Data File : FF015906.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 17:47
Operator : YP\AJ
Sample : Q2176-07
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-31

Integration File: autoint1.e
Quant Time: Jun 05 03:05:04 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.: 15.021 min
Delta R.T.: 0.000 mi
Response: 1224500
Conc: 10.03 ug/m

Instrument :
FID_F
ClientSampleId :
TP-31

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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 : FF015906.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 17:47
Sample : Q2176-07
Misc :
ALS Vial : 80 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	4.516	4.500	4.533	BV	88	966	0.08%	0.015%
2	4.545	4.533	4.561	PV	121	1184	0.09%	0.018%
3	4.565	4.561	4.568	VV	127	264	0.02%	0.004%
4	4.572	4.568	4.581	VV	169	611	0.05%	0.009%
5	4.589	4.581	4.606	VV	181	1686	0.13%	0.026%
6	4.609	4.606	4.639	VV	191	1726	0.14%	0.026%
7	4.646	4.639	4.667	VV	125	1224	0.10%	0.019%
8	4.688	4.667	4.706	PV	194	2437	0.19%	0.037%
9	4.712	4.706	4.728	VV	132	1235	0.10%	0.019%
10	4.733	4.728	4.736	VV	140	480	0.04%	0.007%
11	4.770	4.736	4.817	VV	410	12188	0.96%	0.186%
12	4.820	4.817	4.838	VV	260	2322	0.18%	0.036%
13	4.850	4.838	4.867	VV	261	3557	0.28%	0.054%
14	4.869	4.867	4.880	VV	228	1504	0.12%	0.023%
15	4.885	4.880	4.897	VV	202	1825	0.14%	0.028%
16	4.901	4.897	4.908	VV	166	925	0.07%	0.014%
17	4.912	4.908	4.929	VV	203	2009	0.16%	0.031%
18	4.931	4.929	4.942	VV	198	1207	0.10%	0.018%
19	4.946	4.942	4.971	VV	220	2696	0.21%	0.041%
20	4.978	4.971	4.997	VV	220	2590	0.20%	0.040%
21	5.000	4.997	5.013	VV	219	1858	0.15%	0.028%
22	5.029	5.013	5.055	VV	299	4516	0.36%	0.069%
23	5.059	5.055	5.073	VV	177	1543	0.12%	0.024%
24	5.079	5.073	5.082	VV	151	701	0.06%	0.011%
25	5.088	5.082	5.109	VV	208	2379	0.19%	0.036%
26	5.113	5.109	5.119	VV	199	946	0.07%	0.014%
27	5.124	5.119	5.131	VV	190	1158	0.09%	0.018%
28	5.148	5.131	5.169	VV	179	3307	0.26%	0.051%
29	5.174	5.169	5.198	VV	177	2250	0.18%	0.034%
30	5.214	5.198	5.218	VV	243	1933	0.15%	0.030%
31	5.232	5.218	5.273	VV	279	6359	0.50%	0.097%
32	5.282	5.273	5.292	VV	213	1694	0.13%	0.026%
33	5.298	5.292	5.303	VV	227	1067	0.08%	0.016%
34	5.305	5.303	5.317	VV	190	1038	0.08%	0.016%
35	5.321	5.317	5.328	VV	170	823	0.06%	0.013%
36	5.331	5.328	5.348	VV	127	1424	0.11%	0.022%

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37	5.354	5.348	5.368	VV	165	1520	0.12%	0.023%
38	5.379	5.368	5.397	VV	182	2001	0.16%	0.031%
39	5.406	5.397	5.414	VV	133	1012	0.08%	0.015%
40	5.418	5.414	5.441	VV	161	1440	0.11%	0.022%
41	5.449	5.441	5.457	VV	121	818	0.06%	0.013%
42	5.466	5.457	5.478	VV	147	1421	0.11%	0.022%
43	5.479	5.478	5.517	VV	166	1839	0.15%	0.028%
44	5.526	5.517	5.532	VV	136	890	0.07%	0.014%
45	5.540	5.532	5.567	VV	219	3060	0.24%	0.047%
46	5.570	5.567	5.600	VV	167	2003	0.16%	0.031%
47	5.606	5.600	5.613	VV	149	671	0.05%	0.010%
48	5.617	5.613	5.628	VV	124	679	0.05%	0.010%
49	5.651	5.628	5.666	VV	122	1884	0.15%	0.029%
50	5.677	5.666	5.696	VV	142	1637	0.13%	0.025%
51	5.699	5.696	5.708	VV	115	550	0.04%	0.008%
52	5.711	5.708	5.723	VV	77	739	0.06%	0.011%
53	5.755	5.723	5.779	VV	156	3337	0.26%	0.051%
54	5.788	5.779	5.795	VV	148	808	0.06%	0.012%
55	5.803	5.795	5.807	PV	106	521	0.04%	0.008%
56	5.818	5.807	5.830	VV	173	1314	0.10%	0.020%
57	5.847	5.830	5.851	VV	139	1217	0.10%	0.019%
58	5.854	5.851	5.869	VV	116	1122	0.09%	0.017%
59	5.873	5.869	5.890	VV	160	1583	0.13%	0.024%
60	5.898	5.890	5.913	VV	197	1789	0.14%	0.027%
61	5.922	5.913	5.942	VV	163	1648	0.13%	0.025%
62	5.944	5.942	5.968	VV	141	1960	0.15%	0.030%
63	5.973	5.968	5.982	VV	166	1061	0.08%	0.016%
64	5.995	5.982	6.003	VV	238	2006	0.16%	0.031%
65	6.007	6.003	6.013	VV	180	826	0.07%	0.013%
66	6.027	6.013	6.035	VV	215	1716	0.14%	0.026%
67	6.037	6.035	6.051	VV	113	997	0.08%	0.015%
68	6.054	6.051	6.064	VV	206	1084	0.09%	0.017%
69	6.065	6.064	6.072	VV	140	530	0.04%	0.008%
70	6.091	6.072	6.105	VV	187	2262	0.18%	0.035%
71	6.118	6.105	6.149	VV	177	2852	0.23%	0.044%
72	6.152	6.149	6.161	VV	136	831	0.07%	0.013%
73	6.164	6.161	6.197	VV	197	2748	0.22%	0.042%
74	6.202	6.197	6.216	VV	114	879	0.07%	0.013%
75	6.238	6.216	6.252	VV	125	1973	0.16%	0.030%
76	6.260	6.252	6.269	VV	151	968	0.08%	0.015%
77	6.287	6.269	6.307	VV	269	3517	0.28%	0.054%
78	6.311	6.307	6.334	VV	161	2110	0.17%	0.032%
79	6.338	6.334	6.350	VV	201	1351	0.11%	0.021%
80	6.367	6.350	6.393	VV	229	3547	0.28%	0.054%
81	6.396	6.393	6.425	VV	167	2422	0.19%	0.037%
82	6.444	6.425	6.467	VV	782	10456	0.83%	0.160%
83	6.470	6.467	6.474	VV	179	701	0.06%	0.011%
84	6.477	6.474	6.484	VV	166	808	0.06%	0.012%
85	6.492	6.484	6.497	VV	175	1145	0.09%	0.018%
86	6.508	6.497	6.551	VV	198	4796	0.38%	0.073%
87	6.568	6.551	6.577	VV	169	1688	0.13%	0.026%
88	6.582	6.577	6.602	VV	137	1437	0.11%	0.022%
89	6.605	6.602	6.610	VV	135	374	0.03%	0.006%

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90	6.627	6.610	6.657	VV	175	3059	0.24%	0.047%
91	6.661	6.657	6.674	VV	148	900	0.07%	0.014%
92	6.680	6.674	6.687	PV	133	795	0.06%	0.012%
93	6.697	6.687	6.709	VV	161	1212	0.10%	0.019%
94	6.713	6.709	6.720	VV	134	448	0.04%	0.007%
95	6.747	6.720	6.767	VV	328	5553	0.44%	0.085%
96	6.777	6.767	6.789	VV	227	2457	0.19%	0.038%
97	6.794	6.789	6.813	VV	190	2374	0.19%	0.036%
98	6.824	6.813	6.836	VV	275	2739	0.22%	0.042%
99	6.838	6.836	6.843	VV	249	892	0.07%	0.014%
100	6.846	6.843	6.865	VV	216	2440	0.19%	0.037%
101	6.880	6.865	6.894	VV	272	3575	0.28%	0.055%
102	6.908	6.894	6.957	VV	216	5888	0.46%	0.090%
103	6.968	6.957	6.992	VV	159	2433	0.19%	0.037%
104	6.996	6.992	7.022	VV	142	1710	0.14%	0.026%
105	7.039	7.022	7.072	VV	201	2748	0.22%	0.042%
106	7.082	7.072	7.104	VV	146	1853	0.15%	0.028%
107	7.107	7.104	7.128	VV	121	1124	0.09%	0.017%
108	7.133	7.128	7.137	VV	97	542	0.04%	0.008%
109	7.143	7.137	7.160	VV	104	1075	0.08%	0.016%
110	7.163	7.160	7.169	VV	115	383	0.03%	0.006%
111	7.189	7.169	7.200	VV	154	1782	0.14%	0.027%
112	7.205	7.200	7.214	VV	127	836	0.07%	0.013%
113	7.216	7.214	7.232	VV	124	927	0.07%	0.014%
114	7.248	7.232	7.260	VV	119	1722	0.14%	0.026%
115	7.274	7.260	7.296	VV	160	2189	0.17%	0.033%
116	7.308	7.296	7.326	VV	141	1883	0.15%	0.029%
117	7.332	7.326	7.345	VV	121	1139	0.09%	0.017%
118	7.349	7.345	7.354	VV	150	547	0.04%	0.008%
119	7.356	7.354	7.370	VV	163	857	0.07%	0.013%
120	7.380	7.370	7.397	VV	115	1469	0.12%	0.022%
121	7.407	7.397	7.426	VV	132	1628	0.13%	0.025%
122	7.456	7.426	7.495	VV	278	5384	0.43%	0.082%
123	7.512	7.495	7.518	VV	134	1070	0.08%	0.016%
124	7.521	7.518	7.531	VV	90	550	0.04%	0.008%
125	7.537	7.531	7.545	VV	110	596	0.05%	0.009%
126	7.550	7.545	7.555	VV	130	529	0.04%	0.008%
127	7.561	7.555	7.577	VV	148	1226	0.10%	0.019%
128	7.580	7.577	7.597	VV	132	1235	0.10%	0.019%
129	7.610	7.597	7.615	VV	174	1119	0.09%	0.017%
130	7.624	7.615	7.630	VV	169	1161	0.09%	0.018%
131	7.639	7.630	7.656	VV	175	2182	0.17%	0.033%
132	7.669	7.656	7.687	VV	173	2035	0.16%	0.031%
133	7.693	7.687	7.697	VV	148	570	0.05%	0.009%
134	7.702	7.697	7.724	VV	159	1600	0.13%	0.024%
135	7.745	7.724	7.770	VV	179	3025	0.24%	0.046%
136	7.776	7.770	7.784	VV	140	921	0.07%	0.014%
137	7.798	7.784	7.804	VV	198	1354	0.11%	0.021%
138	7.806	7.804	7.827	VV	187	1500	0.12%	0.023%
139	7.831	7.827	7.836	VV	135	494	0.04%	0.008%
140	7.857	7.836	7.869	VV	156	2176	0.17%	0.033%
141	7.875	7.869	7.897	VV	131	1127	0.09%	0.017%

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142	7.902	7.897	7.946	VV	126	1912	0.15%	0.029%
143	7.979	7.946	8.017	VV	430	8247	0.65%	0.126%
144	8.024	8.017	8.029	VV	140	706	0.06%	0.011%
145	8.035	8.029	8.056	VV	146	1391	0.11%	0.021%
146	8.066	8.056	8.072	VV	142	791	0.06%	0.012%
147	8.097	8.072	8.122	VV	252	4729	0.37%	0.072%
148	8.158	8.122	8.229	VV	349	9422	0.74%	0.144%
149	8.236	8.229	8.249	VV	104	649	0.05%	0.010%
150	8.254	8.249	8.274	VV	106	1158	0.09%	0.018%
151	8.277	8.274	8.285	VV	145	557	0.04%	0.009%
152	8.289	8.285	8.299	VV	69	534	0.04%	0.008%
153	8.308	8.299	8.315	VV	104	605	0.05%	0.009%
154	8.322	8.315	8.337	VV	134	1021	0.08%	0.016%
155	8.346	8.337	8.374	VV	98	1678	0.13%	0.026%
156	8.381	8.374	8.453	VV	180	3533	0.28%	0.054%
157	8.457	8.453	8.464	VV	60	300	0.02%	0.005%
158	8.469	8.464	8.475	PV	64	217	0.02%	0.003%
159	8.480	8.475	8.484	VV	89	188	0.01%	0.003%
160	8.490	8.484	8.505	VV	62	489	0.04%	0.007%
161	8.551	8.505	8.560	VV	189	2874	0.23%	0.044%
162	8.597	8.560	8.662	VV	565	18399	1.45%	0.281%
163	8.666	8.662	8.675	VV	213	1424	0.11%	0.022%
164	8.701	8.675	8.750	VV	269	6940	0.55%	0.106%
165	8.757	8.750	8.768	VV	117	1012	0.08%	0.015%
166	8.777	8.768	8.784	VV	116	863	0.07%	0.013%
167	8.803	8.784	8.835	VV	137	3412	0.27%	0.052%
168	8.849	8.835	8.902	VV	188	5742	0.45%	0.088%
169	8.939	8.902	8.984	VV	330	7918	0.63%	0.121%
170	9.006	8.984	9.037	VV	289	5783	0.46%	0.088%
171	9.044	9.037	9.052	VV	173	1093	0.09%	0.017%
172	9.109	9.052	9.146	VV	429	12788	1.01%	0.196%
173	9.166	9.146	9.223	VV	222	7501	0.59%	0.115%
174	9.236	9.223	9.284	VV	224	5762	0.45%	0.088%
175	9.305	9.284	9.354	VV	724	15615	1.23%	0.239%
176	9.362	9.354	9.377	VV	214	2526	0.20%	0.039%
177	9.407	9.377	9.509	VV	461	21647	1.71%	0.331%
178	9.524	9.509	9.537	VV	175	2060	0.16%	0.032%
179	9.573	9.537	9.605	VV	327	6458	0.51%	0.099%
180	9.614	9.605	9.674	VV	136	3318	0.26%	0.051%
181	9.688	9.674	9.712	VV	110	1425	0.11%	0.022%
182	9.758	9.712	9.774	PV	134	3100	0.24%	0.047%
183	9.828	9.774	9.844	VV	303	7348	0.58%	0.112%
184	9.852	9.844	9.884	VV	242	4130	0.33%	0.063%
185	9.906	9.884	9.946	VV	255	6725	0.53%	0.103%
186	9.960	9.946	9.982	VV	226	2632	0.21%	0.040%
187	10.010	9.982	10.056	VV	411	7311	0.58%	0.112%
188	10.064	10.056	10.074	VV	65	475	0.04%	0.007%
189	10.121	10.074	10.347	VV	5892	399779	31.56%	6.114%
190	10.393	10.347	10.494	VV	1882	130696	10.32%	1.999%
191	10.514	10.494	10.534	VV	1249	27881	2.20%	0.426%
192	10.553	10.534	10.647	VV	1603	70204	5.54%	1.074%
193	10.661	10.647	10.684	VV	793	15861	1.25%	0.243%
194	10.695	10.684	10.797	VV	748	36092	2.85%	0.552%

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195	10.834	10.797	10.864	VV	590	19470	1.54%	0.298%
196	10.885	10.864	10.895	VV	563	9545	0.75%	0.146%
197	10.914	10.895	10.940	VV	636	14161	1.12%	0.217%
198	10.948	10.940	10.962	VV	432	5314	0.42%	0.081%
199	10.983	10.962	11.021	VV	524	14580	1.15%	0.223%
200	11.045	11.021	11.105	VV	477	17647	1.39%	0.270%
201	11.124	11.105	11.147	VV	380	7281	0.57%	0.111%
202	11.161	11.147	11.201	VV	269	7481	0.59%	0.114%
203	11.229	11.201	11.293	VV	515	19504	1.54%	0.298%
204	11.330	11.293	11.408	VV	447	24032	1.90%	0.368%
205	11.418	11.408	11.450	VV	324	6532	0.52%	0.100%
206	11.454	11.450	11.463	VV	241	1479	0.12%	0.023%
207	11.474	11.463	11.499	VV	231	3662	0.29%	0.056%
208	11.552	11.499	11.594	VV	380	15091	1.19%	0.231%
209	11.615	11.594	11.640	VV	500	8774	0.69%	0.134%
210	11.659	11.640	11.679	VV	283	4780	0.38%	0.073%
211	11.701	11.679	11.755	VV	508	11907	0.94%	0.182%
212	11.783	11.755	11.795	PV	221	2656	0.21%	0.041%
213	11.811	11.795	11.842	VV	267	4504	0.36%	0.069%
214	11.873	11.842	11.881	VV	144	2603	0.21%	0.040%
215	11.907	11.881	11.955	VV	482	10988	0.87%	0.168%
216	11.970	11.955	11.993	VV	217	2603	0.21%	0.040%
217	12.016	11.993	12.030	PV	380	5118	0.40%	0.078%
218	12.047	12.030	12.082	VV	603	11014	0.87%	0.168%
219	12.106	12.082	12.154	VV	297	7086	0.56%	0.108%
220	12.192	12.154	12.202	VV	210	4030	0.32%	0.062%
221	12.212	12.202	12.242	VV	205	4048	0.32%	0.062%
222	12.282	12.242	12.305	VV	490	11694	0.92%	0.179%
223	12.326	12.305	12.360	VV	268	6676	0.53%	0.102%
224	12.405	12.360	12.471	VV	602	18635	1.47%	0.285%
225	12.495	12.471	12.510	VV	404	4981	0.39%	0.076%
226	12.540	12.510	12.598	VV	54557	744944	58.81%	11.393%
227	12.609	12.598	12.631	VV	2155	36639	2.89%	0.560%
228	12.643	12.631	12.706	VV	1480	44791	3.54%	0.685%
229	12.713	12.706	12.760	VV	598	17541	1.38%	0.268%
230	12.772	12.760	12.800	VV	488	9328	0.74%	0.143%
231	12.806	12.800	12.825	VV	340	4426	0.35%	0.068%
232	12.857	12.825	12.884	VV	658	16308	1.29%	0.249%
233	12.922	12.884	12.944	VV	664	16040	1.27%	0.245%
234	12.952	12.944	12.967	VV	455	5750	0.45%	0.088%
235	12.993	12.967	13.061	VV	1707	52858	4.17%	0.808%
236	13.098	13.061	13.159	VV	852	33281	2.63%	0.509%
237	13.181	13.159	13.230	VV	869	20164	1.59%	0.308%
238	13.237	13.230	13.302	VV	216	5429	0.43%	0.083%
239	13.332	13.302	13.354	VV	753	15316	1.21%	0.234%
240	13.375	13.354	13.507	VV	989	36040	2.85%	0.551%
241	13.535	13.507	13.555	PV	536	7112	0.56%	0.109%
242	13.576	13.555	13.594	VV	892	13455	1.06%	0.206%
243	13.618	13.594	13.738	VV	1732	57427	4.53%	0.878%
244	13.773	13.738	13.902	VV	14430	230622	18.21%	3.527%
245	13.946	13.902	13.960	VV	421	9568	0.76%	0.146%
246	13.979	13.960	14.009	VV	476	7275	0.57%	0.111%

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247	14.079	14.009	14.102	VV	692	11934	0.94%	0.183%
248	14.121	14.102	14.169	VV	889	15359	1.21%	0.235%
249	14.184	14.169	14.202	VV	245	3287	0.26%	0.050%
250	14.207	14.202	14.219	VV	142	1089	0.09%	0.017%
251	14.265	14.219	14.280	VV	268	6630	0.52%	0.101%
252	14.286	14.280	14.325	VV	238	3916	0.31%	0.060%
253	14.357	14.325	14.404	PV	195	4813	0.38%	0.074%
254	14.422	14.404	14.443	VV	101	1427	0.11%	0.022%
255	14.482	14.443	14.494	VV	197	2676	0.21%	0.041%
256	14.520	14.494	14.594	VV	1179	29564	2.33%	0.452%
257	14.608	14.594	14.624	VV	245	3330	0.26%	0.051%
258	14.683	14.624	14.711	VV	1526	28302	2.23%	0.433%
259	14.800	14.711	14.817	VV	758	31683	2.50%	0.485%
260	14.840	14.817	14.875	VV	839	21047	1.66%	0.322%
261	14.917	14.875	14.932	VV	885	20128	1.59%	0.308%
262	14.942	14.932	14.954	VV	779	9413	0.74%	0.144%
263	14.962	14.954	14.974	VV	703	7909	0.62%	0.121%
264	15.021	14.974	15.060	VV	89547	1266613	100.00%	19.371%
265	15.075	15.060	15.146	VV	1235	41629	3.29%	0.637%
266	15.224	15.146	15.252	VV	2534	68624	5.42%	1.049%
267	15.279	15.252	15.314	VV	1051	29456	2.33%	0.450%
268	15.423	15.314	15.445	VV	1339	83068	6.56%	1.270%
269	15.466	15.445	15.494	VV	1188	33243	2.62%	0.508%
270	15.535	15.494	15.541	VV	1172	31531	2.49%	0.482%
271	15.608	15.541	15.702	VV	29890	604875	47.76%	9.251%
272	15.744	15.702	15.788	VV	4572	147854	11.67%	2.261%
273	15.820	15.788	15.855	VV	3113	101865	8.04%	1.558%
274	15.877	15.855	15.907	VV	2404	69649	5.50%	1.065%
275	15.970	15.907	16.017	VV	3387	170607	13.47%	2.609%
276	16.037	16.017	16.057	VV	2558	59492	4.70%	0.910%
277	16.069	16.057	16.098	VV	2460	58538	4.62%	0.895%
278	16.129	16.098	16.201	VV	3218	144491	11.41%	2.210%
279	16.208	16.201	16.222	VV	1897	22950	1.81%	0.351%
280	16.246	16.222	16.295	VV	4219	94457	7.46%	1.445%
281	16.314	16.295	16.361	VV	1193	37857	2.99%	0.579%
282	16.380	16.361	16.437	VV	1043	27049	2.14%	0.414%
283	16.443	16.437	16.462	VV	336	4619	0.36%	0.071%
284	16.471	16.462	16.504	VV	305	3372	0.27%	0.052%
285	16.549	16.504	16.572	PV	231	4859	0.38%	0.074%
286	16.622	16.572	16.675	PV	9584	168155	13.28%	2.572%
287	16.692	16.675	16.702	VV	702	9854	0.78%	0.151%
288	16.730	16.702	16.770	VV	3027	47306	3.73%	0.723%
289	16.814	16.770	16.837	PV	600	10431	0.82%	0.160%
290	16.889	16.837	16.910	VV	606	17889	1.41%	0.274%
291	16.951	16.910	16.964	VV	562	12415	0.98%	0.190%
292	17.043	16.964	17.060	VV	583	21157	1.67%	0.324%
293	17.101	17.060	17.130	VV	721	19026	1.50%	0.291%
294	17.196	17.130	17.222	PV	3046	46054	3.64%	0.704%
295	17.248	17.222	17.264	VV	987	14071	1.11%	0.215%
296	17.279	17.264	17.314	VV	719	11422	0.90%	0.175%
297	17.444	17.314	17.455	PV	363	25694	2.03%	0.393%
298	17.475	17.455	17.500	VBA	383	11785	0.93%	0.180%

Sum of corrected areas: 6538782

rteres

FF052125.M Thu Jun 05 03:50:53 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF060425\
Data File : FF015907.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 18:17
Operator : YP\AJ
Sample : Q2176-08
Misc :
ALS Vial : 81 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-65

Integration File: autoint1.e
Quant Time: Jun 05 03:05:21 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...	15.020	1308554	10.714 ug/ml
Target Compounds			

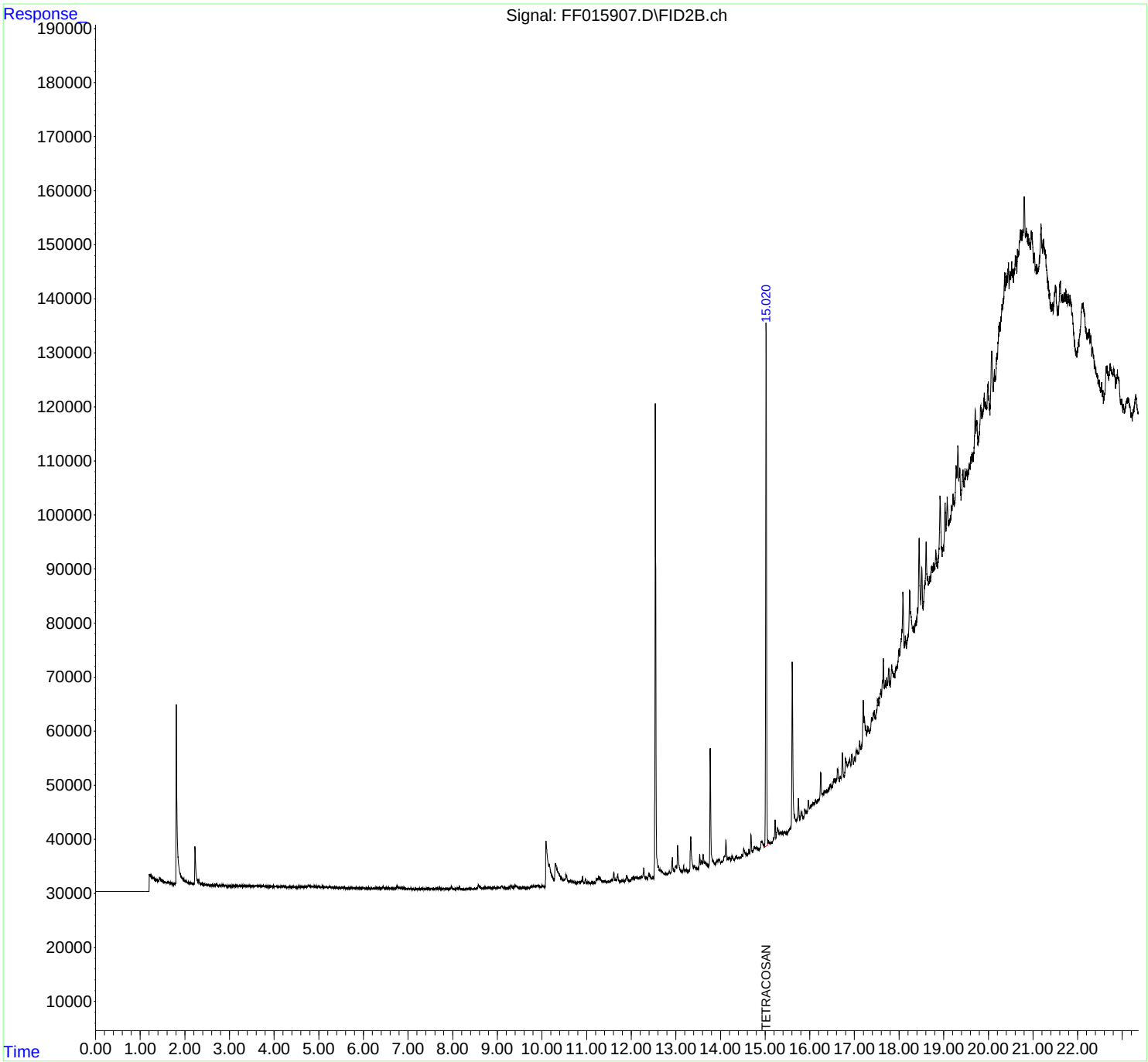
(f)=RT Delta > 1/2 Window (m)=manual int.

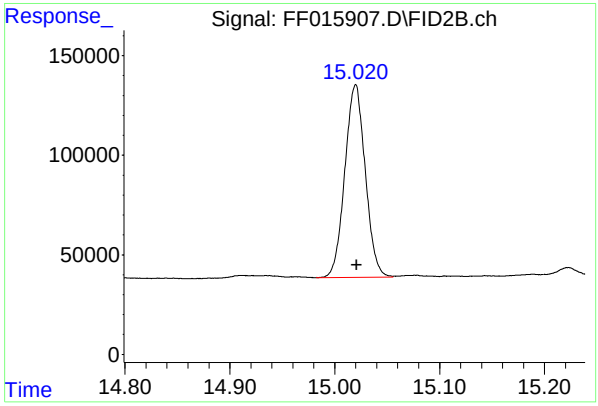
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF060425\
Data File : FF015907.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 18:17
Operator : YP\AJ
Sample : Q2176-08
Misc :
ALS Vial : 81 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-65

Integration File: autoint1.e
Quant Time: Jun 05 03:05:21 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.: 15.020 min
Delta R.T.: -0.001 mi
Response: 1308554
Conc: 10.71 ug/m

Instrument :
FID_F
ClientSampleId :
TP-65

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 : FF015907.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 18:17
Sample : Q2176-08
Misc :
ALS Vial : 81 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	4.511	4.500	4.526	BV	64	175	0.01%	0.002%
2	4.529	4.526	4.542	VV	124	615	0.05%	0.008%
3	4.546	4.542	4.562	VV	119	702	0.05%	0.009%
4	4.587	4.562	4.598	PV	204	3235	0.25%	0.042%
5	4.601	4.598	4.616	VV	153	1486	0.11%	0.019%
6	4.620	4.616	4.633	VV	169	1390	0.11%	0.018%
7	4.638	4.633	4.642	VV	147	773	0.06%	0.010%
8	4.654	4.642	4.660	VV	203	1510	0.12%	0.019%
9	4.677	4.660	4.700	VV	169	3443	0.26%	0.044%
10	4.709	4.700	4.728	VV	192	2385	0.18%	0.031%
11	4.735	4.728	4.743	VV	262	1601	0.12%	0.021%
12	4.768	4.743	4.792	VV	375	9476	0.72%	0.122%
13	4.797	4.792	4.809	VV	328	2968	0.23%	0.038%
14	4.812	4.809	4.832	VV	340	3612	0.28%	0.046%
15	4.846	4.832	4.865	VV	330	5125	0.39%	0.066%
16	4.868	4.865	4.882	VV	319	2662	0.20%	0.034%
17	4.897	4.882	4.903	VV	303	3419	0.26%	0.044%
18	4.908	4.903	4.914	VV	284	1456	0.11%	0.019%
19	4.919	4.914	4.923	VV	231	1223	0.09%	0.016%
20	4.927	4.923	4.934	VV	269	1571	0.12%	0.020%
21	4.938	4.934	4.946	VV	286	1554	0.12%	0.020%
22	4.951	4.946	4.977	VV	310	4113	0.31%	0.053%
23	4.981	4.977	5.017	VV	267	4625	0.35%	0.059%
24	5.031	5.017	5.046	VV	251	3338	0.25%	0.043%
25	5.051	5.046	5.058	VV	192	1270	0.10%	0.016%
26	5.077	5.058	5.102	VV	293	5163	0.39%	0.066%
27	5.106	5.102	5.110	VV	191	927	0.07%	0.012%
28	5.113	5.110	5.122	VV	280	1544	0.12%	0.020%
29	5.127	5.122	5.142	VV	211	1957	0.15%	0.025%
30	5.149	5.142	5.184	VV	258	3564	0.27%	0.046%
31	5.188	5.184	5.196	VV	180	897	0.07%	0.012%
32	5.201	5.196	5.204	VV	163	625	0.05%	0.008%
33	5.209	5.204	5.213	VV	164	892	0.07%	0.011%
34	5.231	5.213	5.235	VV	227	2344	0.18%	0.030%
35	5.243	5.235	5.276	VV	320	5286	0.40%	0.068%
36	5.280	5.276	5.284	VV	186	749	0.06%	0.010%

rteres

37	5.290	5.284	5.298	VV	176	1289	0.10%	0.017%
38	5.323	5.298	5.345	VV	198	4281	0.33%	0.055%
39	5.351	5.345	5.362	VV	212	1202	0.09%	0.015%
40	5.368	5.362	5.372	VV	107	553	0.04%	0.007%
41	5.377	5.372	5.413	VV	131	2710	0.21%	0.035%
42	5.422	5.413	5.442	VV	114	1303	0.10%	0.017%
43	5.457	5.442	5.494	VV	154	2911	0.22%	0.037%
44	5.501	5.494	5.532	VV	150	2223	0.17%	0.029%
45	5.553	5.532	5.619	VV	180	5349	0.41%	0.069%
46	5.625	5.619	5.631	VV	86	440	0.03%	0.006%
47	5.634	5.631	5.639	VV	64	233	0.02%	0.003%
48	5.641	5.639	5.655	VV	90	479	0.04%	0.006%
49	5.666	5.655	5.684	PV	124	815	0.06%	0.010%
50	5.688	5.684	5.708	VV	75	843	0.06%	0.011%
51	5.719	5.708	5.748	VV	203	3519	0.27%	0.045%
52	5.753	5.748	5.759	VV	177	722	0.06%	0.009%
53	5.763	5.759	5.769	VV	90	527	0.04%	0.007%
54	5.792	5.769	5.803	VV	151	1927	0.15%	0.025%
55	5.810	5.803	5.817	VV	133	678	0.05%	0.009%
56	5.835	5.817	5.858	VV	169	2888	0.22%	0.037%
57	5.864	5.858	5.874	VV	159	1192	0.09%	0.015%
58	5.885	5.874	5.915	VV	176	2620	0.20%	0.034%
59	5.927	5.915	5.964	VV	135	2227	0.17%	0.029%
60	5.978	5.964	5.982	VV	115	914	0.07%	0.012%
61	5.997	5.982	6.012	VV	184	2004	0.15%	0.026%
62	6.018	6.012	6.030	VV	129	873	0.07%	0.011%
63	6.035	6.030	6.049	VV	72	525	0.04%	0.007%
64	6.060	6.049	6.066	VV	85	502	0.04%	0.006%
65	6.073	6.066	6.094	PV	125	973	0.07%	0.012%
66	6.097	6.094	6.111	VV	46	423	0.03%	0.005%
67	6.120	6.111	6.133	VV	217	787	0.06%	0.010%
68	6.138	6.133	6.144	VV	84	364	0.03%	0.005%
69	6.156	6.144	6.168	VV	81	798	0.06%	0.010%
70	6.174	6.168	6.182	VV	152	739	0.06%	0.009%
71	6.187	6.182	6.200	VV	123	786	0.06%	0.010%
72	6.207	6.200	6.212	PV	71	329	0.03%	0.004%
73	6.232	6.212	6.260	VV	101	2058	0.16%	0.026%
74	6.280	6.260	6.312	VV	215	3633	0.28%	0.047%
75	6.328	6.312	6.335	VV	165	1540	0.12%	0.020%
76	6.342	6.335	6.360	VV	155	1684	0.13%	0.022%
77	6.387	6.360	6.396	VV	198	2662	0.20%	0.034%
78	6.407	6.396	6.415	VV	152	1395	0.11%	0.018%
79	6.420	6.415	6.423	VV	146	606	0.05%	0.008%
80	6.445	6.423	6.471	VV	581	7880	0.60%	0.101%
81	6.484	6.471	6.498	VV	158	2012	0.15%	0.026%
82	6.503	6.498	6.526	VV	218	2458	0.19%	0.032%
83	6.529	6.526	6.549	VV	158	1734	0.13%	0.022%
84	6.564	6.549	6.610	VV	219	3897	0.30%	0.050%
85	6.646	6.610	6.670	VV	182	3614	0.28%	0.046%
86	6.677	6.670	6.689	VV	120	1112	0.08%	0.014%
87	6.702	6.689	6.720	VV	145	1723	0.13%	0.022%
88	6.743	6.720	6.877	VV	491	23218	1.77%	0.298%
89	6.890	6.877	6.905	VV	251	3388	0.26%	0.043%

rteres

90	6.919	6.905	6.947	VV	187	3449	0.26%	0.044%
91	6.955	6.947	7.012	VV	159	2666	0.20%	0.034%
92	7.021	7.012	7.038	VV	86	944	0.07%	0.012%
93	7.045	7.038	7.060	PV	13	640	0.05%	0.008%
94	7.066	7.060	7.107	VV	147	1800	0.14%	0.023%
95	7.117	7.107	7.175	VV	82	990	0.08%	0.013%
96	7.191	7.175	7.229	VV	90	1825	0.14%	0.023%
97	7.237	7.229	7.248	VV	101	658	0.05%	0.008%
98	7.279	7.248	7.304	VV	141	2244	0.17%	0.029%
99	7.319	7.304	7.342	VV	225	1559	0.12%	0.020%
100	7.352	7.342	7.365	VV	99	981	0.07%	0.013%
101	7.373	7.365	7.397	VV	85	1167	0.09%	0.015%
102	7.455	7.397	7.486	VV	292	5728	0.44%	0.074%
103	7.494	7.486	7.507	PV	86	702	0.05%	0.009%
104	7.538	7.507	7.574	VV	151	3630	0.28%	0.047%
105	7.581	7.574	7.607	VV	82	1777	0.14%	0.023%
106	7.636	7.607	7.671	VV	193	5535	0.42%	0.071%
107	7.715	7.671	7.799	VV	262	11667	0.89%	0.150%
108	7.804	7.799	7.832	VV	161	2255	0.17%	0.029%
109	7.851	7.832	7.883	VV	163	2871	0.22%	0.037%
110	7.891	7.883	7.929	VV	86	1816	0.14%	0.023%
111	7.972	7.929	8.020	VV	534	11103	0.85%	0.142%
112	8.056	8.020	8.077	VV	172	3407	0.26%	0.044%
113	8.100	8.077	8.135	VV	267	5912	0.45%	0.076%
114	8.150	8.135	8.194	VV	467	8613	0.66%	0.111%
115	8.204	8.194	8.248	VV	78	1958	0.15%	0.025%
116	8.289	8.248	8.301	PV	133	2118	0.16%	0.027%
117	8.324	8.301	8.332	PV	94	1258	0.10%	0.016%
118	8.380	8.332	8.407	VV	280	5539	0.42%	0.071%
119	8.423	8.407	8.461	VV	115	2350	0.18%	0.030%
120	8.481	8.461	8.491	VV	106	1441	0.11%	0.018%
121	8.577	8.491	8.650	VV	817	30138	2.30%	0.387%
122	8.657	8.650	8.670	VV	232	2433	0.19%	0.031%
123	8.710	8.670	8.759	VV	338	12361	0.94%	0.159%
124	8.771	8.759	8.785	VV	261	3588	0.27%	0.046%
125	8.803	8.785	8.830	VV	339	6958	0.53%	0.089%
126	8.837	8.830	8.874	VV	236	5055	0.39%	0.065%
127	8.882	8.874	8.897	VV	235	2189	0.17%	0.028%
128	8.899	8.897	8.911	VV	181	1112	0.08%	0.014%
129	8.933	8.911	8.980	VV	411	8733	0.67%	0.112%
130	8.999	8.980	9.045	VV	359	9099	0.69%	0.117%
131	9.103	9.045	9.136	VV	600	16960	1.29%	0.218%
132	9.147	9.136	9.162	VV	214	2736	0.21%	0.035%
133	9.185	9.162	9.212	VV	228	3848	0.29%	0.049%
134	9.247	9.212	9.275	VV	209	5476	0.42%	0.070%
135	9.302	9.275	9.347	VV	654	14625	1.12%	0.188%
136	9.397	9.347	9.472	VV	794	25027	1.91%	0.321%
137	9.476	9.472	9.505	VV	246	2773	0.21%	0.036%
138	9.529	9.505	9.550	VV	117	2613	0.20%	0.034%
139	9.572	9.550	9.614	VV	300	6158	0.47%	0.079%
140	9.623	9.614	9.654	VV	144	1403	0.11%	0.018%
141	9.685	9.654	9.701	PV	136	2165	0.17%	0.028%

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142	9.775	9.701	9.795	VV	392	11769	0.90%	0.151%
143	9.814	9.795	9.845	VV	433	9772	0.75%	0.125%
144	9.893	9.845	9.939	VV	412	17764	1.36%	0.228%
145	9.949	9.939	9.979	VV	295	4303	0.33%	0.055%
146	10.007	9.979	10.064	VV	453	9995	0.76%	0.128%
147	10.094	10.064	10.157	PV	8471	271102	20.68%	3.479%
148	10.168	10.157	10.280	VV	4057	175736	13.41%	2.255%
149	10.303	10.280	10.495	VV	4289	292523	22.32%	3.754%
150	10.539	10.495	10.621	VV	2098	95200	7.26%	1.222%
151	10.636	10.621	10.682	VV	907	27944	2.13%	0.359%
152	10.699	10.682	10.767	VV	750	27756	2.12%	0.356%
153	10.833	10.767	10.862	VV	622	26469	2.02%	0.340%
154	10.908	10.862	10.946	VV	1461	36018	2.75%	0.462%
155	10.976	10.946	11.015	VV	1046	22117	1.69%	0.284%
156	11.032	11.015	11.094	VV	483	13028	0.99%	0.167%
157	11.130	11.094	11.144	VV	283	7672	0.59%	0.098%
158	11.153	11.144	11.178	VV	302	4549	0.35%	0.058%
159	11.218	11.178	11.240	VV	886	18277	1.39%	0.235%
160	11.258	11.240	11.290	VV	1013	27879	2.13%	0.358%
161	11.298	11.290	11.346	VV	1210	22554	1.72%	0.289%
162	11.358	11.346	11.375	VV	485	6608	0.50%	0.085%
163	11.389	11.375	11.400	VV	376	5035	0.38%	0.065%
164	11.413	11.400	11.445	VV	383	8419	0.64%	0.108%
165	11.462	11.445	11.482	VV	225	3854	0.29%	0.049%
166	11.496	11.482	11.515	VV	246	4333	0.33%	0.056%
167	11.565	11.515	11.587	VV	596	18032	1.38%	0.231%
168	11.610	11.587	11.634	VV	1952	29593	2.26%	0.380%
169	11.649	11.634	11.670	VV	606	10444	0.80%	0.134%
170	11.699	11.670	11.745	VV	1466	26556	2.03%	0.341%
171	11.780	11.745	11.790	PV	200	4074	0.31%	0.052%
172	11.808	11.790	11.832	VV	362	5101	0.39%	0.065%
173	11.896	11.832	11.949	VV	1157	26587	2.03%	0.341%
174	11.960	11.949	11.989	VV	218	2842	0.22%	0.036%
175	12.012	11.989	12.029	PV	540	8615	0.66%	0.111%
176	12.045	12.029	12.071	VV	753	14203	1.08%	0.182%
177	12.095	12.071	12.124	VV	613	15156	1.16%	0.194%
178	12.138	12.124	12.162	VV	600	10520	0.80%	0.135%
179	12.177	12.162	12.197	VV	518	9054	0.69%	0.116%
180	12.227	12.197	12.249	VV	593	15079	1.15%	0.193%
181	12.281	12.249	12.362	VV	2144	45103	3.44%	0.579%
182	12.396	12.362	12.462	VV	1118	29442	2.25%	0.378%
183	12.494	12.462	12.509	PV	373	4781	0.36%	0.061%
184	12.541	12.509	12.599	VV	87886	1133675	86.49%	14.548%
185	12.609	12.599	12.634	VV	2171	37418	2.85%	0.480%
186	12.643	12.634	12.680	VV	1498	34962	2.67%	0.449%
187	12.689	12.680	12.752	VV	1042	30397	2.32%	0.390%
188	12.780	12.752	12.810	VV	552	14420	1.10%	0.185%
189	12.856	12.810	12.874	VV	766	19201	1.46%	0.246%
190	12.920	12.874	12.970	VV	3282	69138	5.27%	0.887%
191	13.003	12.970	13.018	VV	1633	36405	2.78%	0.467%
192	13.039	13.018	13.114	VV	5285	119712	9.13%	1.536%
193	13.141	13.114	13.154	VV	380	8212	0.63%	0.105%
194	13.173	13.154	13.207	VV	1409	22421	1.71%	0.288%

rteres

195	13.232	13.207	13.266	VV	471	11827	0.90%	0.152%
196	13.333	13.266	13.405	PV	6447	138547	10.57%	1.778%
197	13.419	13.405	13.459	VV	775	15883	1.21%	0.204%
198	13.478	13.459	13.503	VV	316	5079	0.39%	0.065%
199	13.532	13.503	13.552	VV	2764	36360	2.77%	0.467%
200	13.566	13.552	13.589	VV	1533	24680	1.88%	0.317%
201	13.611	13.589	13.640	VV	2504	46249	3.53%	0.593%
202	13.655	13.640	13.730	VV	979	31883	2.43%	0.409%
203	13.769	13.730	13.884	PV	21852	320947	24.49%	4.119%
204	13.916	13.884	13.934	VV	666	13268	1.01%	0.170%
205	13.960	13.934	14.000	VV	908	25157	1.92%	0.323%
206	14.027	14.000	14.036	VV	300	4828	0.37%	0.062%
207	14.120	14.036	14.155	VV	3981	86976	6.64%	1.116%
208	14.175	14.155	14.187	VV	663	10312	0.79%	0.132%
209	14.205	14.187	14.237	VV	742	13666	1.04%	0.175%
210	14.259	14.237	14.309	VV	796	16690	1.27%	0.214%
211	14.352	14.309	14.379	PV	628	12913	0.99%	0.166%
212	14.400	14.379	14.412	VV	157	2583	0.20%	0.033%
213	14.452	14.412	14.461	VV	130	2576	0.20%	0.033%
214	14.482	14.461	14.496	PV	467	5245	0.40%	0.067%
215	14.519	14.496	14.600	VV	1472	36896	2.81%	0.473%
216	14.634	14.600	14.659	VV	953	13943	1.06%	0.179%
217	14.682	14.659	14.714	VV	3392	47181	3.60%	0.605%
218	14.718	14.714	14.727	VV	337	2110	0.16%	0.027%
219	14.754	14.727	14.792	VV	986	27024	2.06%	0.347%
220	14.798	14.792	14.825	VV	612	9461	0.72%	0.121%
221	14.839	14.825	14.861	VV	399	5247	0.40%	0.067%
222	14.912	14.861	14.927	PV	1415	23852	1.82%	0.306%
223	14.934	14.927	14.982	VV	1273	21968	1.68%	0.282%
224	15.020	14.982	15.058	VV	97224	1310747	100.00%	16.820%
225	15.076	15.058	15.100	VV	817	12471	0.95%	0.160%
226	15.116	15.100	15.127	VV	238	2917	0.22%	0.037%
227	15.144	15.127	15.160	PV	289	2546	0.19%	0.033%
228	15.189	15.160	15.197	PV	805	9821	0.75%	0.126%
229	15.222	15.197	15.242	VV	3951	52946	4.04%	0.679%
230	15.281	15.242	15.325	VV	2130	68143	5.20%	0.874%
231	15.340	15.325	15.375	VV	1041	26049	1.99%	0.334%
232	15.380	15.375	15.402	VV	798	9515	0.73%	0.122%
233	15.424	15.402	15.484	VV	734	21255	1.62%	0.273%
234	15.492	15.484	15.500	VV	207	1254	0.10%	0.016%
235	15.606	15.500	15.688	PV	30574	527053	40.21%	6.764%
236	15.701	15.688	15.715	VV	952	14422	1.10%	0.185%
237	15.744	15.715	15.784	VV	4608	79071	6.03%	1.015%
238	15.805	15.784	15.850	VV	1720	38492	2.94%	0.494%
239	15.894	15.850	15.914	PV	1326	26984	2.06%	0.346%
240	15.926	15.914	15.942	VV	734	9460	0.72%	0.121%
241	15.966	15.942	16.000	VV	2387	43867	3.35%	0.563%
242	16.016	16.000	16.030	VV	1017	15329	1.17%	0.197%
243	16.086	16.030	16.107	VV	1086	42044	3.21%	0.540%
244	16.129	16.107	16.151	VV	1138	22600	1.72%	0.290%
245	16.245	16.151	16.273	VV	5114	107651	8.21%	1.381%
246	16.339	16.273	16.363	VV	1045	47971	3.66%	0.616%

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247	16.378	16.363	16.404	VV	958	16587	1.27%	0.213%
248	16.461	16.404	16.488	VV	1225	37679	2.87%	0.484%
249	16.501	16.488	16.514	VV	623	7370	0.56%	0.095%
250	16.545	16.514	16.576	VV	1582	40743	3.11%	0.523%
251	16.591	16.576	16.600	VV	1042	13666	1.04%	0.175%
252	16.623	16.600	16.661	VV	2608	54468	4.16%	0.699%
253	16.681	16.661	16.701	VV	989	14453	1.10%	0.185%
254	16.730	16.701	16.773	VV	4682	71049	5.42%	0.912%
255	16.801	16.773	16.840	PV	3098	71734	5.47%	0.921%
256	16.895	16.840	16.920	VV	1954	63600	4.85%	0.816%
257	16.942	16.920	16.977	VV	2166	40423	3.08%	0.519%
258	17.004	16.977	17.018	PV	1117	14086	1.07%	0.181%
259	17.043	17.018	17.057	PV	1729	23359	1.78%	0.300%
260	17.063	17.057	17.097	VV	1138	15456	1.18%	0.198%
261	17.117	17.097	17.150	VV	2165	29073	2.22%	0.373%
262	17.197	17.150	17.214	VV	8283	132395	10.10%	1.699%
263	17.222	17.214	17.240	VV	4650	61896	4.72%	0.794%
264	17.251	17.240	17.272	VV	2721	37498	2.86%	0.481%
265	17.299	17.272	17.332	VV	1924	35231	2.69%	0.452%
266	17.383	17.332	17.402	PV	1842	35324	2.69%	0.453%
267	17.445	17.402	17.472	VV	2034	51399	3.92%	0.660%
			Sum of corrected areas:			7792560		

FF052125.M Thu Jun 05 03:51:58 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			

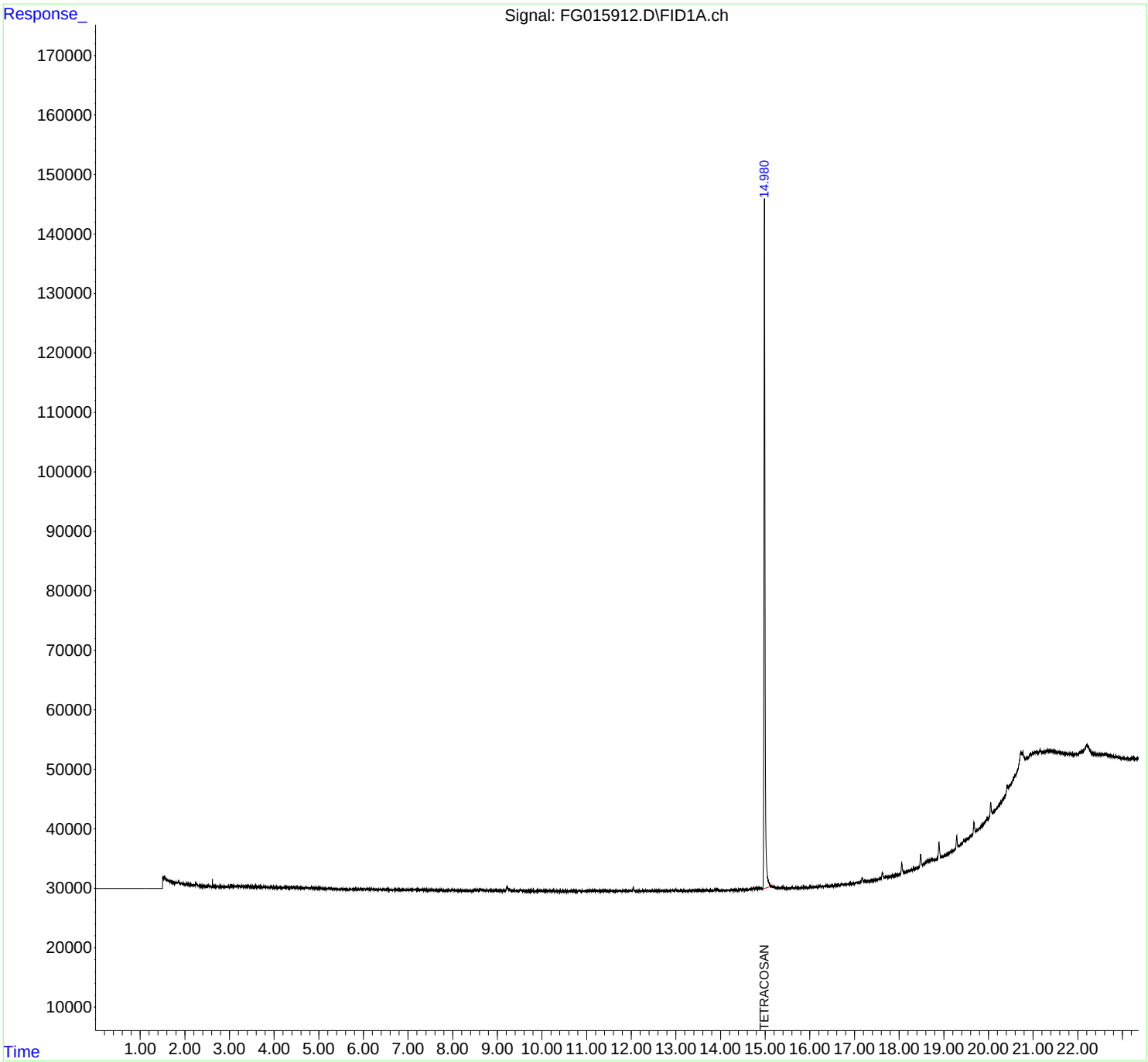
(f)=RT Delta > 1/2 Window (m)=manual int.

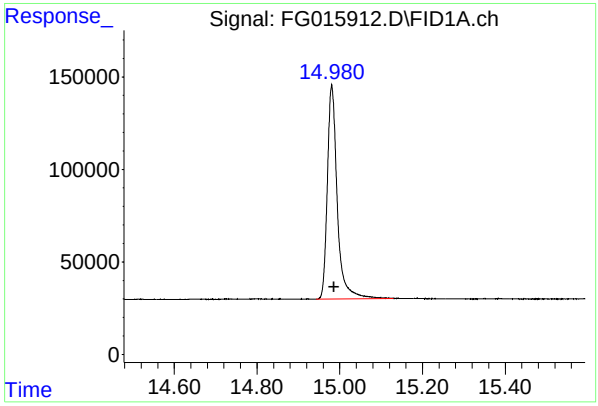
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015912.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 12:48
Operator : YP\AJ
Sample : PB168274BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

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 : 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

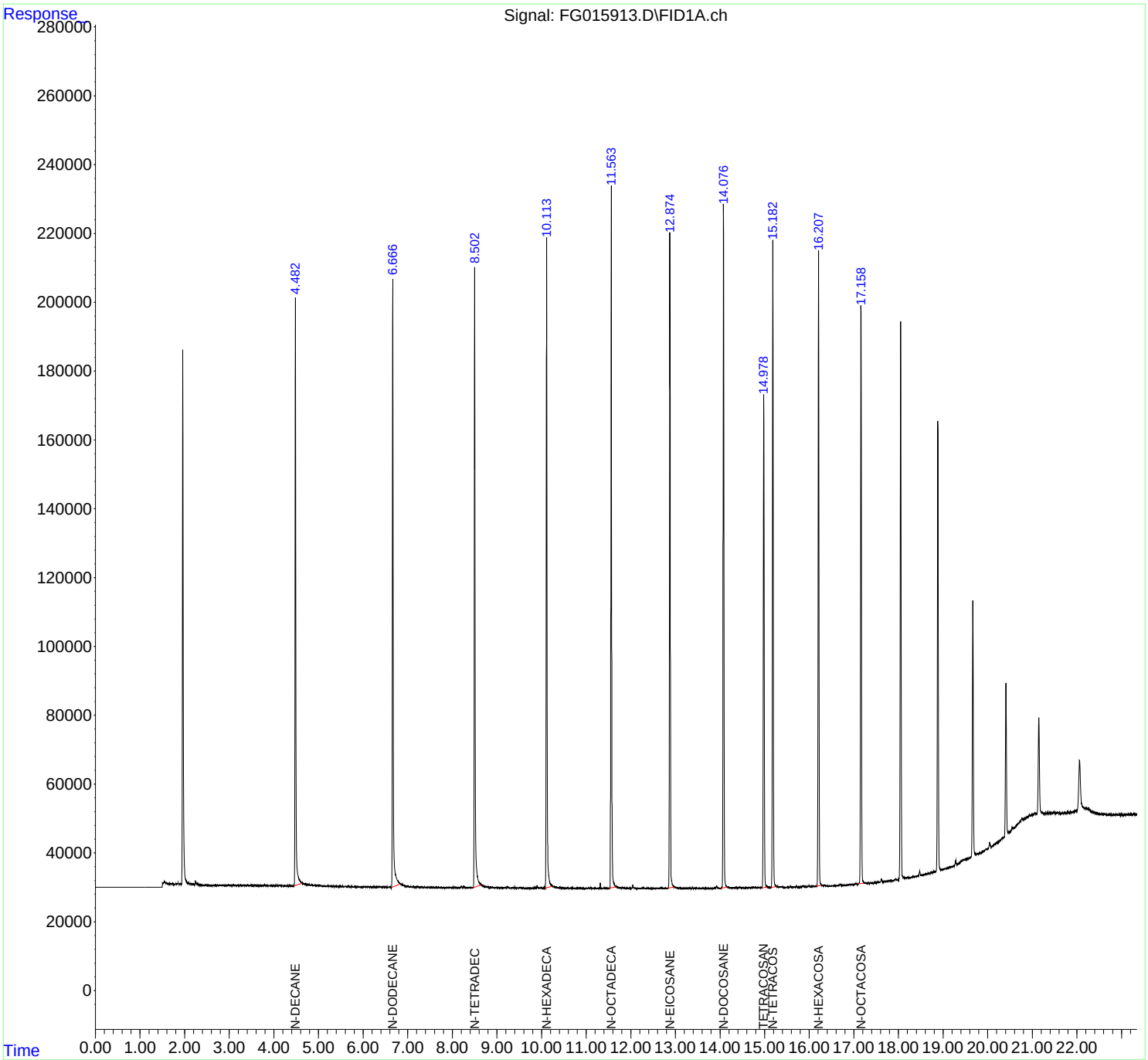
(f)=RT Delta > 1/2 Window (m)=manual int.

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

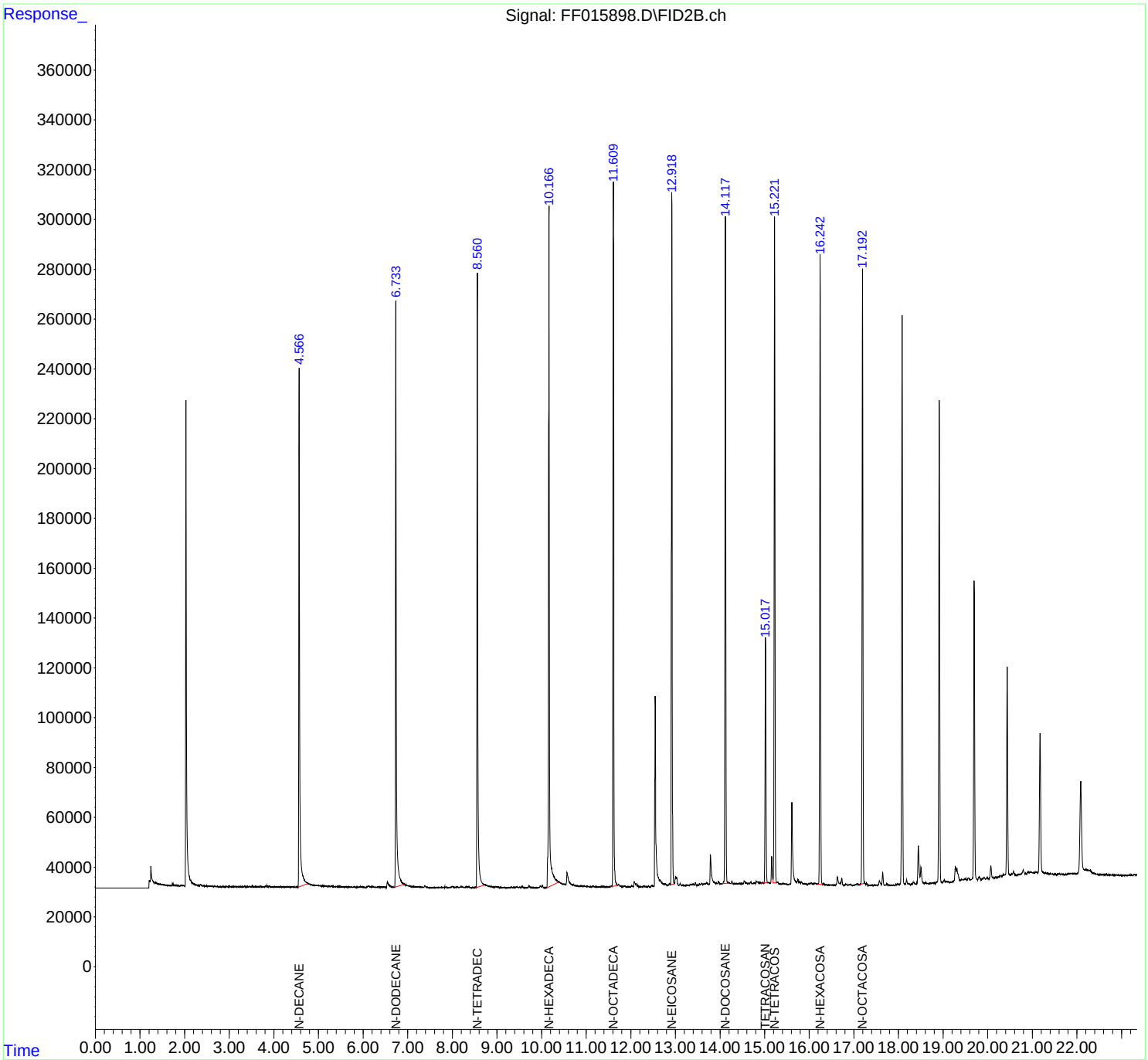
(f)=RT Delta > 1/2 Window (m)=manual int.

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%

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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%

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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%

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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

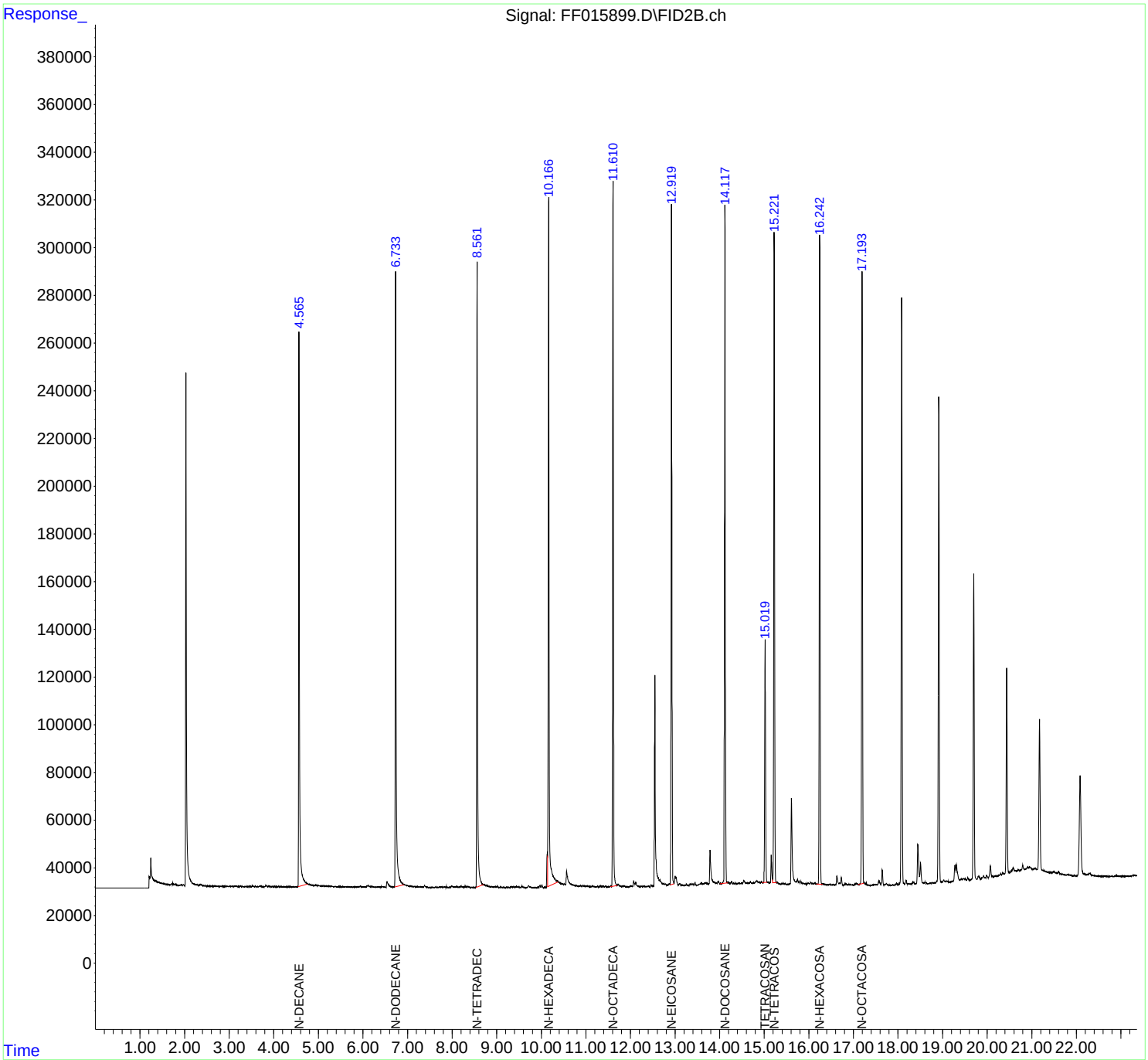
(f)=RT Delta > 1/2 Window (m)=manual int.

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%

rteres

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%

rteres

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

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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

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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

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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

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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

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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

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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	

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

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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

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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

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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

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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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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

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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	

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

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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

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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

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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

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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.**

Q2176 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:	Q2176	**OrderDate:**	5/30/2025 4:04:00 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
Q2176-01	**TP-46**	**SOIL**			**05/28/25**			**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-02	**TP-56**	**SOIL**			**05/29/25**			**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-03	**TP-25**	**SOIL**			**05/29/25**			**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-04	**TP-26**	**SOIL**			**05/29/25**			**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-05	**TP-28**	**SOIL**			**05/29/25**			**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-06	**TP-27**	**SOIL**			**05/29/25**			**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-07	**TP-31**	**SOIL**			**05/29/25**			**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-08	**TP-65**	**SOIL**			**05/30/25**			**05/30/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2176 **Order ID:** Q2176

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-46								
Q2176-01	TP-46	SOIL	Aluminum	1980		0.82	4.86	mg/Kg
Q2176-01	TP-46	SOIL	Arsenic	4.40		0.19	0.97	mg/Kg
Q2176-01	TP-46	SOIL	Barium	9.70		0.71	4.86	mg/Kg
Q2176-01	TP-46	SOIL	Beryllium	0.84		0.024	0.29	mg/Kg
Q2176-01	TP-46	SOIL	Cadmium	1.73		0.023	0.29	mg/Kg
Q2176-01	TP-46	SOIL	Calcium	639		10.8	97.1	mg/Kg
Q2176-01	TP-46	SOIL	Chromium	0.63		0.046	0.49	mg/Kg
Q2176-01	TP-46	SOIL	Cobalt	2.85		0.097	1.46	mg/Kg
Q2176-01	TP-46	SOIL	Copper	10.9		0.21	0.97	mg/Kg
Q2176-01	TP-46	SOIL	Iron	51100		3.88	4.86	mg/Kg
Q2176-01	TP-46	SOIL	Lead	7.82		0.13	0.58	mg/Kg
Q2176-01	TP-46	SOIL	Magnesium	178		11.7	97.1	mg/Kg
Q2176-01	TP-46	SOIL	Manganese	18.2		0.14	0.97	mg/Kg
Q2176-01	TP-46	SOIL	Mercury	0.0090	J	0.0080	0.014	mg/Kg
Q2176-01	TP-46	SOIL	Nickel	3.40		0.13	1.94	mg/Kg
Q2176-01	TP-46	SOIL	Potassium	183		26.9	97.1	mg/Kg
Q2176-01	TP-46	SOIL	Sodium	143		17.3	97.1	mg/Kg
Q2176-01	TP-46	SOIL	Thallium	2.00		0.22	1.94	mg/Kg
Q2176-01	TP-46	SOIL	Vanadium	12.8		0.24	1.94	mg/Kg
Q2176-01	TP-46	SOIL	Zinc	63.0		0.22	1.94	mg/Kg
Client ID : TP-56								
Q2176-02	TP-56	SOIL	Aluminum	3310		0.87	5.16	mg/Kg
Q2176-02	TP-56	SOIL	Arsenic	7.72		0.20	1.03	mg/Kg
Q2176-02	TP-56	SOIL	Barium	14.2		0.75	5.16	mg/Kg
Q2176-02	TP-56	SOIL	Beryllium	0.62		0.026	0.31	mg/Kg
Q2176-02	TP-56	SOIL	Cadmium	0.89		0.025	0.31	mg/Kg
Q2176-02	TP-56	SOIL	Calcium	8050		11.4	103	mg/Kg
Q2176-02	TP-56	SOIL	Chromium	8.12		0.048	0.52	mg/Kg
Q2176-02	TP-56	SOIL	Cobalt	1.63		0.10	1.55	mg/Kg
Q2176-02	TP-56	SOIL	Copper	4.15		0.23	1.03	mg/Kg
Q2176-02	TP-56	SOIL	Iron	25000		4.11	5.16	mg/Kg
Q2176-02	TP-56	SOIL	Lead	7.64		0.13	0.62	mg/Kg
Q2176-02	TP-56	SOIL	Magnesium	1570		12.4	103	mg/Kg
Q2176-02	TP-56	SOIL	Manganese	22.4		0.14	1.03	mg/Kg
Q2176-02	TP-56	SOIL	Mercury	0.028		0.0090	0.016	mg/Kg
Q2176-02	TP-56	SOIL	Nickel	2.90		0.13	2.06	mg/Kg
Q2176-02	TP-56	SOIL	Potassium	357		28.6	103	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2176 **Order ID:** Q2176

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2176-02	TP-56	SOIL	Sodium	108		18.4	103	mg/Kg
Q2176-02	TP-56	SOIL	Thallium	0.64	J	0.24	2.06	mg/Kg
Q2176-02	TP-56	SOIL	Vanadium	18.7		0.26	2.06	mg/Kg
Q2176-02	TP-56	SOIL	Zinc	25.6		0.24	2.06	mg/Kg
Client ID : TP-25								
Q2176-03	TP-25	SOIL	Aluminum	6420		0.93	5.56	mg/Kg
Q2176-03	TP-25	SOIL	Arsenic	4.23		0.21	1.11	mg/Kg
Q2176-03	TP-25	SOIL	Barium	21.3		0.81	5.56	mg/Kg
Q2176-03	TP-25	SOIL	Beryllium	0.56		0.028	0.33	mg/Kg
Q2176-03	TP-25	SOIL	Cadmium	0.70		0.027	0.33	mg/Kg
Q2176-03	TP-25	SOIL	Calcium	486		12.3	111	mg/Kg
Q2176-03	TP-25	SOIL	Chromium	9.44		0.052	0.56	mg/Kg
Q2176-03	TP-25	SOIL	Cobalt	3.06		0.11	1.67	mg/Kg
Q2176-03	TP-25	SOIL	Copper	7.78		0.24	1.11	mg/Kg
Q2176-03	TP-25	SOIL	Iron	13300		4.43	5.56	mg/Kg
Q2176-03	TP-25	SOIL	Lead	14.3		0.14	0.67	mg/Kg
Q2176-03	TP-25	SOIL	Magnesium	730		13.3	111	mg/Kg
Q2176-03	TP-25	SOIL	Manganese	35.4		0.16	1.11	mg/Kg
Q2176-03	TP-25	SOIL	Mercury	0.028		0.0080	0.015	mg/Kg
Q2176-03	TP-25	SOIL	Nickel	5.98		0.14	2.22	mg/Kg
Q2176-03	TP-25	SOIL	Potassium	242		30.8	111	mg/Kg
Q2176-03	TP-25	SOIL	Sodium	119		19.8	111	mg/Kg
Q2176-03	TP-25	SOIL	Vanadium	20.1		0.28	2.22	mg/Kg
Q2176-03	TP-25	SOIL	Zinc	23.9		0.26	2.22	mg/Kg
Client ID : TP-26								
Q2176-04	TP-26	SOIL	Aluminum	5980		0.80	4.73	mg/Kg
Q2176-04	TP-26	SOIL	Antimony	0.23	J	0.21	2.37	mg/Kg
Q2176-04	TP-26	SOIL	Arsenic	3.50		0.18	0.95	mg/Kg
Q2176-04	TP-26	SOIL	Barium	44.3		0.69	4.73	mg/Kg
Q2176-04	TP-26	SOIL	Beryllium	0.40		0.024	0.28	mg/Kg
Q2176-04	TP-26	SOIL	Cadmium	0.86		0.023	0.28	mg/Kg
Q2176-04	TP-26	SOIL	Calcium	29300		10.5	94.7	mg/Kg
Q2176-04	TP-26	SOIL	Chromium	12.8		0.044	0.47	mg/Kg
Q2176-04	TP-26	SOIL	Cobalt	6.69		0.095	1.42	mg/Kg
Q2176-04	TP-26	SOIL	Copper	29.9		0.21	0.95	mg/Kg
Q2176-04	TP-26	SOIL	Iron	10800		3.78	4.73	mg/Kg
Q2176-04	TP-26	SOIL	Lead	54.0		0.12	0.57	mg/Kg
Q2176-04	TP-26	SOIL	Magnesium	5500		11.4	94.7	mg/Kg
Q2176-04	TP-26	SOIL	Manganese	174		0.13	0.95	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2176 **Order ID:** Q2176

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2176-04	TP-26	SOIL	Mercury	0.063		0.0080	0.015	mg/Kg
Q2176-04	TP-26	SOIL	Nickel	15.5		0.12	1.89	mg/Kg
Q2176-04	TP-26	SOIL	Potassium	754		26.2	94.7	mg/Kg
Q2176-04	TP-26	SOIL	Sodium	352		16.8	94.7	mg/Kg
Q2176-04	TP-26	SOIL	Vanadium	24.6		0.24	1.89	mg/Kg
Q2176-04	TP-26	SOIL	Zinc	56.2		0.22	1.89	mg/Kg
Client ID : TP-28								
Q2176-05	TP-28	SOIL	Aluminum	5650		0.84	4.98	mg/Kg
Q2176-05	TP-28	SOIL	Arsenic	2.02		0.19	1.00	mg/Kg
Q2176-05	TP-28	SOIL	Barium	21.5		0.73	4.98	mg/Kg
Q2176-05	TP-28	SOIL	Beryllium	0.50		0.025	0.30	mg/Kg
Q2176-05	TP-28	SOIL	Cadmium	0.56		0.024	0.30	mg/Kg
Q2176-05	TP-28	SOIL	Calcium	203		11.0	99.5	mg/Kg
Q2176-05	TP-28	SOIL	Chromium	4.18		0.047	0.50	mg/Kg
Q2176-05	TP-28	SOIL	Cobalt	3.56		0.10	1.49	mg/Kg
Q2176-05	TP-28	SOIL	Copper	3.06		0.22	1.00	mg/Kg
Q2176-05	TP-28	SOIL	Iron	13400		3.97	4.98	mg/Kg
Q2176-05	TP-28	SOIL	Lead	9.53		0.13	0.60	mg/Kg
Q2176-05	TP-28	SOIL	Magnesium	228		11.9	99.5	mg/Kg
Q2176-05	TP-28	SOIL	Manganese	82.9		0.14	1.00	mg/Kg
Q2176-05	TP-28	SOIL	Mercury	0.016		0.0080	0.014	mg/Kg
Q2176-05	TP-28	SOIL	Nickel	3.55		0.13	1.99	mg/Kg
Q2176-05	TP-28	SOIL	Potassium	115		27.6	99.5	mg/Kg
Q2176-05	TP-28	SOIL	Sodium	139		17.7	99.5	mg/Kg
Q2176-05	TP-28	SOIL	Vanadium	12.3		0.25	1.99	mg/Kg
Q2176-05	TP-28	SOIL	Zinc	10.6		0.23	1.99	mg/Kg
Client ID : TP-27								
Q2176-06	TP-27	SOIL	Aluminum	10300		0.95	5.68	mg/Kg
Q2176-06	TP-27	SOIL	Arsenic	1.86		0.22	1.14	mg/Kg
Q2176-06	TP-27	SOIL	Barium	10.2		0.83	5.68	mg/Kg
Q2176-06	TP-27	SOIL	Beryllium	0.62		0.028	0.34	mg/Kg
Q2176-06	TP-27	SOIL	Cadmium	0.43		0.027	0.34	mg/Kg
Q2176-06	TP-27	SOIL	Calcium	197		12.6	114	mg/Kg
Q2176-06	TP-27	SOIL	Chromium	6.49		0.053	0.57	mg/Kg
Q2176-06	TP-27	SOIL	Cobalt	4.96		0.11	1.70	mg/Kg
Q2176-06	TP-27	SOIL	Copper	4.19		0.25	1.14	mg/Kg
Q2176-06	TP-27	SOIL	Iron	10000		4.53	5.68	mg/Kg
Q2176-06	TP-27	SOIL	Lead	3.94		0.15	0.68	mg/Kg
Q2176-06	TP-27	SOIL	Magnesium	389		13.6	114	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2176 **Order ID:** Q2176

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2176-06	TP-27	SOIL	Manganese	96.0		0.16	1.14	mg/Kg
Q2176-06	TP-27	SOIL	Nickel	5.97		0.15	2.27	mg/Kg
Q2176-06	TP-27	SOIL	Potassium	131		31.4	114	mg/Kg
Q2176-06	TP-27	SOIL	Sodium	123		20.2	114	mg/Kg
Q2176-06	TP-27	SOIL	Vanadium	13.2		0.28	2.27	mg/Kg
Q2176-06	TP-27	SOIL	Zinc	13.9		0.26	2.27	mg/Kg
Client ID :	**TP-31**							
Q2176-07	TP-31	SOIL	Aluminum	6650		0.90	5.36	mg/Kg
Q2176-07	TP-31	SOIL	Arsenic	3.05		0.20	1.07	mg/Kg
Q2176-07	TP-31	SOIL	Barium	24.1		0.78	5.36	mg/Kg
Q2176-07	TP-31	SOIL	Beryllium	0.49		0.027	0.32	mg/Kg
Q2176-07	TP-31	SOIL	Cadmium	0.53		0.026	0.32	mg/Kg
Q2176-07	TP-31	SOIL	Calcium	354		11.9	107	mg/Kg
Q2176-07	TP-31	SOIL	Chromium	7.28		0.050	0.54	mg/Kg
Q2176-07	TP-31	SOIL	Cobalt	3.08		0.11	1.61	mg/Kg
Q2176-07	TP-31	SOIL	Copper	3.38		0.24	1.07	mg/Kg
Q2176-07	TP-31	SOIL	Iron	10800		4.28	5.36	mg/Kg
Q2176-07	TP-31	SOIL	Lead	6.08		0.14	0.64	mg/Kg
Q2176-07	TP-31	SOIL	Magnesium	510		12.9	107	mg/Kg
Q2176-07	TP-31	SOIL	Manganese	54.0		0.15	1.07	mg/Kg
Q2176-07	TP-31	SOIL	Mercury	0.015	J	0.0090	0.016	mg/Kg
Q2176-07	TP-31	SOIL	Nickel	4.81		0.14	2.14	mg/Kg
Q2176-07	TP-31	SOIL	Potassium	201		29.7	107	mg/Kg
Q2176-07	TP-31	SOIL	Sodium	606		19.1	107	mg/Kg
Q2176-07	TP-31	SOIL	Vanadium	16.4		0.27	2.14	mg/Kg
Q2176-07	TP-31	SOIL	Zinc	12.5		0.25	2.14	mg/Kg
Client ID :	**TP-65**							
Q2176-08	TP-65	SOIL	Aluminum	3850		0.86	5.09	mg/Kg
Q2176-08	TP-65	SOIL	Arsenic	2.11		0.19	1.02	mg/Kg
Q2176-08	TP-65	SOIL	Barium	21.5		0.74	5.09	mg/Kg
Q2176-08	TP-65	SOIL	Beryllium	0.49		0.025	0.31	mg/Kg
Q2176-08	TP-65	SOIL	Cadmium	0.22	J	0.024	0.31	mg/Kg
Q2176-08	TP-65	SOIL	Calcium	3400		11.3	102	mg/Kg
Q2176-08	TP-65	SOIL	Chromium	9.40		0.048	0.51	mg/Kg
Q2176-08	TP-65	SOIL	Cobalt	2.07		0.10	1.53	mg/Kg
Q2176-08	TP-65	SOIL	Copper	4.74		0.22	1.02	mg/Kg
Q2176-08	TP-65	SOIL	Iron	6200		4.06	5.09	mg/Kg
Q2176-08	TP-65	SOIL	Lead	18.8		0.13	0.61	mg/Kg
Q2176-08	TP-65	SOIL	Magnesium	1510		12.2	102	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2176 **Order ID:** Q2176

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2176-08	TP-65	SOIL	Manganese	31.0		0.14	1.02	mg/Kg
Q2176-08	TP-65	SOIL	Mercury	0.011	J	0.0080	0.014	mg/Kg
Q2176-08	TP-65	SOIL	Nickel	3.30		0.13	2.04	mg/Kg
Q2176-08	TP-65	SOIL	Potassium	218		28.2	102	mg/Kg
Q2176-08	TP-65	SOIL	Sodium	209		18.1	102	mg/Kg
Q2176-08	TP-65	SOIL	Vanadium	16.1		0.26	2.04	mg/Kg
Q2176-08	TP-65	SOIL	Zinc	12.6		0.23	2.04	mg/Kg

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-46	SDG No.:	Q2176
Lab Sample ID:	Q2176-01	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	1980	*	1	0.82	4.86	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-36-0	Antimony	0.21	UN	1	0.21	2.43	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-38-2	Arsenic	4.40		1	0.19	0.97	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-39-3	Barium	9.70	N*	1	0.71	4.86	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-41-7	Beryllium	0.84		1	0.024	0.29	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-43-9	Cadmium	1.73		1	0.023	0.29	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-70-2	Calcium	639	*	1	10.8	97.1	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-47-3	Chromium	0.63		1	0.046	0.49	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-48-4	Cobalt	2.85		1	0.097	1.46	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-50-8	Copper	10.9		1	0.21	0.97	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7439-89-6	Iron	51100	*	1	3.88	4.86	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7439-92-1	Lead	7.82		1	0.13	0.58	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7439-95-4	Magnesium	178	*	1	11.7	97.1	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7439-96-5	Manganese	18.2		1	0.14	0.97	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7439-97-6	Mercury	0.0090	J	1	0.0080	0.014	mg/Kg	06/02/25 08:35	06/03/25 14:00	7471B	
7440-02-0	Nickel	3.40		1	0.13	1.94	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-09-7	Potassium	183	*	1	26.9	97.1	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7782-49-2	Selenium	0.25	U	1	0.25	0.97	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-22-4	Silver	0.12	U	1	0.12	0.49	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-23-5	Sodium	143	N*	1	17.3	97.1	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-28-0	Thallium	2.00		1	0.22	1.94	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-62-2	Vanadium	12.8		1	0.24	1.94	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-66-6	Zinc	63.0	N	1	0.22	1.94	mg/Kg	06/02/25 13:05	06/10/25 20:43	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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-56	SDG No.:	Q2176
Lab Sample ID:	Q2176-02	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	3310	*	1	0.87	5.16	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.58	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-38-2	Arsenic	7.72		1	0.20	1.03	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-39-3	Barium	14.2	N*	1	0.75	5.16	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-41-7	Beryllium	0.62		1	0.026	0.31	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-43-9	Cadmium	0.89		1	0.025	0.31	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-70-2	Calcium	8050	*	1	11.4	103	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-47-3	Chromium	8.12		1	0.048	0.52	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-48-4	Cobalt	1.63		1	0.10	1.55	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-50-8	Copper	4.15		1	0.23	1.03	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7439-89-6	Iron	25000	*	1	4.11	5.16	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7439-92-1	Lead	7.64		1	0.13	0.62	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7439-95-4	Magnesium	1570	*	1	12.4	103	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7439-96-5	Manganese	22.4		1	0.14	1.03	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7439-97-6	Mercury	0.028		1	0.0090	0.016	mg/Kg	06/02/25 08:35	06/03/25 14:02	7471B	
7440-02-0	Nickel	2.90		1	0.13	2.06	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-09-7	Potassium	357	*	1	28.6	103	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7782-49-2	Selenium	0.27	U	1	0.27	1.03	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-22-4	Silver	0.12	U	1	0.12	0.52	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-23-5	Sodium	108	N*	1	18.4	103	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-28-0	Thallium	0.64	J	1	0.24	2.06	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-62-2	Vanadium	18.7		1	0.26	2.06	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-66-6	Zinc	25.6	N	1	0.24	2.06	mg/Kg	06/02/25 13:05	06/10/25 20:47	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
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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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25	SDG No.:	Q2176
Lab Sample ID:	Q2176-03	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	6420	*	1	0.93	5.56	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-36-0	Antimony	0.24	UN	1	0.24	2.78	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-38-2	Arsenic	4.23		1	0.21	1.11	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-39-3	Barium	21.3	N*	1	0.81	5.56	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-41-7	Beryllium	0.56		1	0.028	0.33	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-43-9	Cadmium	0.70		1	0.027	0.33	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-70-2	Calcium	486	*	1	12.3	111	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-47-3	Chromium	9.44		1	0.052	0.56	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-48-4	Cobalt	3.06		1	0.11	1.67	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-50-8	Copper	7.78		1	0.24	1.11	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7439-89-6	Iron	13300	*	1	4.43	5.56	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7439-92-1	Lead	14.3		1	0.14	0.67	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7439-95-4	Magnesium	730	*	1	13.3	111	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7439-96-5	Manganese	35.4		1	0.16	1.11	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7439-97-6	Mercury	0.028		1	0.0080	0.015	mg/Kg	06/02/25 08:35	06/03/25 14:04	7471B	
7440-02-0	Nickel	5.98		1	0.14	2.22	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-09-7	Potassium	242	*	1	30.8	111	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7782-49-2	Selenium	0.29	U	1	0.29	1.11	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-22-4	Silver	0.13	U	1	0.13	0.56	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-23-5	Sodium	119	N*	1	19.8	111	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-28-0	Thallium	0.26	U	1	0.26	2.22	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-62-2	Vanadium	20.1		1	0.28	2.22	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-66-6	Zinc	23.9	N	1	0.26	2.22	mg/Kg	06/02/25 13:05	06/10/25 20:51	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
B = Analyte Found in Associated Method Blank
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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-26	SDG No.:	Q2176
Lab Sample ID:	Q2176-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5980	*	1	0.80	4.73	mg/Kg	06/02/25 13:05	06/10/25 20:55	6010D	SW3050
7440-36-0	Antimony	0.23	JN	1	0.21	2.37	mg/Kg	06/02/25 13:05	06/10/25 20:55	6010D	SW3050
7440-38-2	Arsenic	3.50		1	0.18	0.95	mg/Kg	06/02/25 13:05	06/10/25 20:55	6010D	SW3050
7440-39-3	Barium	44.3	N*	1	0.69	4.73	mg/Kg	06/02/25 13:05	06/10/25 20:55	6010D	SW3050
7440-41-7	Beryllium	0.40		1	0.024	0.28	mg/Kg	06/02/25 13:05	06/10/25 20:55	6010D	SW3050
7440-43-9	Cadmium	0.86		1	0.023	0.28	mg/Kg	06/02/25 13:05	06/10/25 20:55	6010D	SW3050
7440-70-2	Calcium	29300	*	1	10.5	94.7	mg/Kg	06/02/25 13:05	06/10/25 20:55	6010D	SW3050
7440-47-3	Chromium	12.8		1	0.044	0.47	mg/Kg	06/02/25 13:05	06/10/25 20:55	6010D	SW3050
7440-48-4	Cobalt	6.69		1	0.095	1.42	mg/Kg	06/02/25 13:05	06/10/25 20:55	6010D	SW3050
7440-50-8	Copper	29.9		1	0.21	0.95	mg/Kg	06/02/25 13:05	06/10/25 20:55	6010D	SW3050
7439-89-6	Iron	10800	*	1	3.78	4.73	mg/Kg	06/02/25 13:05	06/10/25 20:55	6010D	SW3050
7439-92-1	Lead	54.0		1	0.12	0.57	mg/Kg	06/02/25 13:05	06/10/25 20:55	6010D	SW3050
7439-95-4	Magnesium	5500	*	1	11.4	94.7	mg/Kg	06/02/25 13:05	06/10/25 20:55	6010D	SW3050
7439-96-5	Manganese	174		1	0.13	0.95	mg/Kg	06/02/25 13:05	06/10/25 20:55	6010D	SW3050
7439-97-6	Mercury	0.063		1	0.0080	0.015	mg/Kg	06/02/25 08:35	06/03/25 14:07	7471B	
7440-02-0	Nickel	15.5		1	0.12	1.89	mg/Kg	06/02/25 13:05	06/10/25 20:55	6010D	SW3050
7440-09-7	Potassium	754	*	1	26.2	94.7	mg/Kg	06/02/25 13:05	06/10/25 20:55	6010D	SW3050
7782-49-2	Selenium	0.25	U	1	0.25	0.95	mg/Kg	06/02/25 13:05	06/10/25 20:55	6010D	SW3050
7440-22-4	Silver	0.11	U	1	0.11	0.47	mg/Kg	06/02/25 13:05	06/10/25 20:55	6010D	SW3050
7440-23-5	Sodium	352	N*	1	16.8	94.7	mg/Kg	06/02/25 13:05	06/10/25 20:55	6010D	SW3050
7440-28-0	Thallium	0.22	U	1	0.22	1.89	mg/Kg	06/02/25 13:05	06/10/25 20:55	6010D	SW3050
7440-62-2	Vanadium	24.6		1	0.24	1.89	mg/Kg	06/02/25 13:05	06/10/25 20:55	6010D	SW3050
7440-66-6	Zinc	56.2	N	1	0.22	1.89	mg/Kg	06/02/25 13:05	06/10/25 20:55	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
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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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-28	SDG No.:	Q2176
Lab Sample ID:	Q2176-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5650	*	1	0.84	4.98	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.49	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-38-2	Arsenic	2.02		1	0.19	1.00	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-39-3	Barium	21.5	N*	1	0.73	4.98	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-41-7	Beryllium	0.50		1	0.025	0.30	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-43-9	Cadmium	0.56		1	0.024	0.30	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-70-2	Calcium	203	*	1	11.0	99.5	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-47-3	Chromium	4.18		1	0.047	0.50	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-48-4	Cobalt	3.56		1	0.10	1.49	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-50-8	Copper	3.06		1	0.22	1.00	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7439-89-6	Iron	13400	*	1	3.97	4.98	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7439-92-1	Lead	9.53		1	0.13	0.60	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7439-95-4	Magnesium	228	*	1	11.9	99.5	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7439-96-5	Manganese	82.9		1	0.14	1.00	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7439-97-6	Mercury	0.016		1	0.0080	0.014	mg/Kg	06/02/25 08:35	06/03/25 14:09	7471B	
7440-02-0	Nickel	3.55		1	0.13	1.99	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-09-7	Potassium	115	*	1	27.6	99.5	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7782-49-2	Selenium	0.26	U	1	0.26	1.00	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-22-4	Silver	0.12	U	1	0.12	0.50	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-23-5	Sodium	139	N*	1	17.7	99.5	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	1.99	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-62-2	Vanadium	12.3		1	0.25	1.99	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-66-6	Zinc	10.6	N	1	0.23	1.99	mg/Kg	06/02/25 13:05	06/10/25 21:00	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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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-27	SDG No.:	Q2176
Lab Sample ID:	Q2176-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	10300	*	1	0.95	5.68	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-36-0	Antimony	0.25	UN	1	0.25	2.84	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-38-2	Arsenic	1.86		1	0.22	1.14	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-39-3	Barium	10.2	N*	1	0.83	5.68	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-41-7	Beryllium	0.62		1	0.028	0.34	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-43-9	Cadmium	0.43		1	0.027	0.34	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-70-2	Calcium	197	*	1	12.6	114	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-47-3	Chromium	6.49		1	0.053	0.57	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-48-4	Cobalt	4.96		1	0.11	1.70	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-50-8	Copper	4.19		1	0.25	1.14	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7439-89-6	Iron	10000	*	1	4.53	5.68	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7439-92-1	Lead	3.94		1	0.15	0.68	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7439-95-4	Magnesium	389	*	1	13.6	114	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7439-96-5	Manganese	96.0		1	0.16	1.14	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7439-97-6	Mercury	0.0090	U	1	0.0090	0.016	mg/Kg	06/02/25 08:35	06/03/25 14:11	7471B	
7440-02-0	Nickel	5.97		1	0.15	2.27	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-09-7	Potassium	131	*	1	31.4	114	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7782-49-2	Selenium	0.30	U	1	0.30	1.14	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-22-4	Silver	0.14	U	1	0.14	0.57	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-23-5	Sodium	123	N*	1	20.2	114	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-28-0	Thallium	0.26	U	1	0.26	2.27	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-62-2	Vanadium	13.2		1	0.28	2.27	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-66-6	Zinc	13.9	N	1	0.26	2.27	mg/Kg	06/02/25 13:05	06/10/25 21:12	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
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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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-31	SDG No.:	Q2176
Lab Sample ID:	Q2176-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6650	*	1	0.90	5.36	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-36-0	Antimony	0.24	UN	1	0.24	2.68	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-38-2	Arsenic	3.05		1	0.20	1.07	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-39-3	Barium	24.1	N*	1	0.78	5.36	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-41-7	Beryllium	0.49		1	0.027	0.32	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-43-9	Cadmium	0.53		1	0.026	0.32	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-70-2	Calcium	354	*	1	11.9	107	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-47-3	Chromium	7.28		1	0.050	0.54	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-48-4	Cobalt	3.08		1	0.11	1.61	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-50-8	Copper	3.38		1	0.24	1.07	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7439-89-6	Iron	10800	*	1	4.28	5.36	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7439-92-1	Lead	6.08		1	0.14	0.64	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7439-95-4	Magnesium	510	*	1	12.9	107	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7439-96-5	Manganese	54.0		1	0.15	1.07	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7439-97-6	Mercury	0.015	J	1	0.0090	0.016	mg/Kg	06/02/25 08:35	06/03/25 14:13	7471B	
7440-02-0	Nickel	4.81		1	0.14	2.14	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-09-7	Potassium	201	*	1	29.7	107	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7782-49-2	Selenium	0.28	U	1	0.28	1.07	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-22-4	Silver	0.13	U	1	0.13	0.54	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-23-5	Sodium	606	N*	1	19.1	107	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-28-0	Thallium	0.25	U	1	0.25	2.14	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-62-2	Vanadium	16.4		1	0.27	2.14	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-66-6	Zinc	12.5	N	1	0.25	2.14	mg/Kg	06/02/25 13:05	06/10/25 21:16	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
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Alliance TECHNICAL GROUP
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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:	TP-65	SDG No.:	Q2176
Lab Sample ID:	Q2176-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	87.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3850	*	1	0.86	5.09	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.55	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-38-2	Arsenic	2.11		1	0.19	1.02	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-39-3	Barium	21.5	N*	1	0.74	5.09	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-41-7	Beryllium	0.49		1	0.025	0.31	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-43-9	Cadmium	0.22	J	1	0.024	0.31	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-70-2	Calcium	3400	*	1	11.3	102	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-47-3	Chromium	9.40		1	0.048	0.51	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-48-4	Cobalt	2.07		1	0.10	1.53	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-50-8	Copper	4.74		1	0.22	1.02	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7439-89-6	Iron	6200	*	1	4.06	5.09	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7439-92-1	Lead	18.8		1	0.13	0.61	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7439-95-4	Magnesium	1510	*	1	12.2	102	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7439-96-5	Manganese	31.0		1	0.14	1.02	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7439-97-6	Mercury	0.011	J	1	0.0080	0.014	mg/Kg	06/02/25 08:35	06/03/25 14:25	7471B	
7440-02-0	Nickel	3.30		1	0.13	2.04	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-09-7	Potassium	218	*	1	28.2	102	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7782-49-2	Selenium	0.27	U	1	0.27	1.02	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-22-4	Silver	0.12	U	1	0.12	0.51	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-23-5	Sodium	209	N*	1	18.1	102	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	2.04	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-62-2	Vanadium	16.1		1	0.26	2.04	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-66-6	Zinc	12.6	N	1	0.23	2.04	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB25	Mercury	0.076	+/-0.2	U	0.20	CV	06/03/2025	12:46	LB135987

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB90	Mercury	0.076	+/-0.2	U	0.20	CV	06/03/2025	12:50	LB135987
CCB91	Mercury	0.076	+/-0.2	U	0.20	CV	06/03/2025	13:22	LB135987
CCB92	Mercury	0.076	+/-0.2	U	0.20	CV	06/03/2025	13:51	LB135987
CCB93	Mercury	0.076	+/-0.2	U	0.20	CV	06/03/2025	14:18	LB135987
CCB94	Mercury	0.076	+/-0.2	U	0.20	CV	06/03/2025	14:51	LB135987
CCB95	Mercury	0.076	+/-0.2	U	0.20	CV	06/03/2025	15:04	LB135987

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	11.3	+/-50	U	100	P	06/10/2025	14:45	LB136097
	Antimony	6.76	+/-25	U	50.0	P	06/10/2025	14:45	LB136097
	Arsenic	5.12	+/-10	U	20.0	P	06/10/2025	14:45	LB136097
	Barium	14.6	+/-50	U	100	P	06/10/2025	14:45	LB136097
	Beryllium	0.56	+/-3	U	6.00	P	06/10/2025	14:45	LB136097
	Cadmium	0.50	+/-3	U	6.00	P	06/10/2025	14:45	LB136097
	Calcium	234	+/-1000	U	2000	P	06/10/2025	14:45	LB136097
	Chromium	2.12	+/-5	U	10.0	P	06/10/2025	14:45	LB136097
	Cobalt	2.26	+/-15	U	30.0	P	06/10/2025	14:45	LB136097
	Copper	4.60	+/-10	U	20.0	P	06/10/2025	14:45	LB136097
	Iron	23.4	+/-50	U	100	P	06/10/2025	14:45	LB136097
	Lead	2.30	+/-6	U	12.0	P	06/10/2025	14:45	LB136097
	Magnesium	244	+/-1000	U	2000	P	06/10/2025	14:45	LB136097
	Manganese	5.94	+/-10	U	20.0	P	06/10/2025	14:45	LB136097
	Nickel	3.06	+/-20	U	40.0	P	06/10/2025	14:45	LB136097
	Potassium	918	+/-1000	U	2000	P	06/10/2025	14:45	LB136097
	Selenium	9.64	+/-10	U	20.0	P	06/10/2025	14:45	LB136097
	Silver	1.62	+/-5	U	10.0	P	06/10/2025	14:45	LB136097
	Sodium	868	+/-1000	U	2000	P	06/10/2025	14:45	LB136097
	Thallium	4.38	+/-20	U	40.0	P	06/10/2025	14:45	LB136097
	Vanadium	6.26	+/-20	U	40.0	P	06/10/2025	14:45	LB136097
	Zinc	16.7	+/-20	U	40.0	P	06/10/2025	14:45	LB136097

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	100	P	06/10/2025	15:35	LB136097
	Antimony	6.76	+/-25	U	50.0	P	06/10/2025	15:35	LB136097
	Arsenic	5.12	+/-10	U	20.0	P	06/10/2025	15:35	LB136097
	Barium	14.6	+/-50	U	100	P	06/10/2025	15:35	LB136097
	Beryllium	0.56	+/-3	U	6.00	P	06/10/2025	15:35	LB136097
	Cadmium	0.50	+/-3	U	6.00	P	06/10/2025	15:35	LB136097
	Calcium	234	+/-1000	U	2000	P	06/10/2025	15:35	LB136097
	Chromium	2.12	+/-5	U	10.0	P	06/10/2025	15:35	LB136097
	Cobalt	2.26	+/-15	U	30.0	P	06/10/2025	15:35	LB136097
	Copper	4.60	+/-10	U	20.0	P	06/10/2025	15:35	LB136097
	Iron	23.4	+/-50	U	100	P	06/10/2025	15:35	LB136097
	Lead	2.30	+/-6	U	12.0	P	06/10/2025	15:35	LB136097
	Magnesium	244	+/-1000	U	2000	P	06/10/2025	15:35	LB136097
	Manganese	5.94	+/-10	U	20.0	P	06/10/2025	15:35	LB136097
	Nickel	3.06	+/-20	U	40.0	P	06/10/2025	15:35	LB136097
	Potassium	918	+/-1000	U	2000	P	06/10/2025	15:35	LB136097
	Selenium	9.64	+/-10	U	20.0	P	06/10/2025	15:35	LB136097
	Silver	1.62	+/-5	U	10.0	P	06/10/2025	15:35	LB136097
	Sodium	868	+/-1000	U	2000	P	06/10/2025	15:35	LB136097
	Thallium	4.38	+/-20	U	40.0	P	06/10/2025	15:35	LB136097
	Vanadium	6.26	+/-20	U	40.0	P	06/10/2025	15:35	LB136097
	Zinc	16.7	+/-20	U	40.0	P	06/10/2025	15:35	LB136097
CCB02	Aluminum	11.3	+/-50	U	100	P	06/10/2025	16:32	LB136097
	Antimony	6.76	+/-25	U	50.0	P	06/10/2025	16:32	LB136097
	Arsenic	5.12	+/-10	U	20.0	P	06/10/2025	16:32	LB136097
	Barium	14.6	+/-50	U	100	P	06/10/2025	16:32	LB136097
	Beryllium	0.56	+/-3	U	6.00	P	06/10/2025	16:32	LB136097
	Cadmium	0.50	+/-3	U	6.00	P	06/10/2025	16:32	LB136097
	Calcium	234	+/-1000	U	2000	P	06/10/2025	16:32	LB136097
	Chromium	2.12	+/-5	U	10.0	P	06/10/2025	16:32	LB136097
	Cobalt	2.26	+/-15	U	30.0	P	06/10/2025	16:32	LB136097
	Copper	4.60	+/-10	U	20.0	P	06/10/2025	16:32	LB136097
	Iron	23.4	+/-50	U	100	P	06/10/2025	16:32	LB136097
	Lead	2.30	+/-6	U	12.0	P	06/10/2025	16:32	LB136097
	Magnesium	244	+/-1000	U	2000	P	06/10/2025	16:32	LB136097
	Manganese	5.94	+/-10	U	20.0	P	06/10/2025	16:32	LB136097
	Nickel	3.06	+/-20	U	40.0	P	06/10/2025	16:32	LB136097
	Potassium	918	+/-1000	U	2000	P	06/10/2025	16:32	LB136097
	Selenium	9.64	+/-10	U	20.0	P	06/10/2025	16:32	LB136097

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	06/10/2025	16:32	LB136097
	Sodium	868	+/-1000	U	2000	P	06/10/2025	16:32	LB136097
	Thallium	4.38	+/-20	U	40.0	P	06/10/2025	16:32	LB136097
	Vanadium	6.26	+/-20	U	40.0	P	06/10/2025	16:32	LB136097
	Zinc	16.7	+/-20	U	40.0	P	06/10/2025	16:32	LB136097
CCB03	Aluminum	11.3	+/-50	U	100	P	06/10/2025	17:40	LB136097
	Antimony	6.76	+/-25	U	50.0	P	06/10/2025	17:40	LB136097
	Arsenic	5.12	+/-10	U	20.0	P	06/10/2025	17:40	LB136097
	Barium	14.6	+/-50	U	100	P	06/10/2025	17:40	LB136097
	Beryllium	0.56	+/-3	U	6.00	P	06/10/2025	17:40	LB136097
	Cadmium	0.50	+/-3	U	6.00	P	06/10/2025	17:40	LB136097
	Calcium	234	+/-1000	U	2000	P	06/10/2025	17:40	LB136097
	Chromium	2.12	+/-5	U	10.0	P	06/10/2025	17:40	LB136097
	Cobalt	2.26	+/-15	U	30.0	P	06/10/2025	17:40	LB136097
	Copper	4.60	+/-10	U	20.0	P	06/10/2025	17:40	LB136097
	Iron	23.4	+/-50	U	100	P	06/10/2025	17:40	LB136097
	Lead	2.30	+/-6	U	12.0	P	06/10/2025	17:40	LB136097
	Magnesium	244	+/-1000	U	2000	P	06/10/2025	17:40	LB136097
	Manganese	5.94	+/-10	U	20.0	P	06/10/2025	17:40	LB136097
	Nickel	3.06	+/-20	U	40.0	P	06/10/2025	17:40	LB136097
	Potassium	918	+/-1000	U	2000	P	06/10/2025	17:40	LB136097
	Selenium	9.64	+/-10	U	20.0	P	06/10/2025	17:40	LB136097
	Silver	1.62	+/-5	U	10.0	P	06/10/2025	17:40	LB136097
	Sodium	868	+/-1000	U	2000	P	06/10/2025	17:40	LB136097
	Thallium	4.38	+/-20	U	40.0	P	06/10/2025	17:40	LB136097
	Vanadium	6.26	+/-20	U	40.0	P	06/10/2025	17:40	LB136097
	Zinc	16.7	+/-20	U	40.0	P	06/10/2025	17:40	LB136097
CCB04	Aluminum	11.3	+/-50	U	100	P	06/10/2025	18:32	LB136097
	Antimony	6.76	+/-25	U	50.0	P	06/10/2025	18:32	LB136097
	Arsenic	5.12	+/-10	U	20.0	P	06/10/2025	18:32	LB136097
	Barium	14.6	+/-50	U	100	P	06/10/2025	18:32	LB136097
	Beryllium	0.56	+/-3	U	6.00	P	06/10/2025	18:32	LB136097
	Cadmium	0.50	+/-3	U	6.00	P	06/10/2025	18:32	LB136097
	Calcium	234	+/-1000	U	2000	P	06/10/2025	18:32	LB136097
	Chromium	2.12	+/-5	U	10.0	P	06/10/2025	18:32	LB136097
	Cobalt	2.26	+/-15	U	30.0	P	06/10/2025	18:32	LB136097
	Copper	4.60	+/-10	U	20.0	P	06/10/2025	18:32	LB136097
	Iron	23.4	+/-50	U	100	P	06/10/2025	18:32	LB136097
	Lead	2.30	+/-6	U	12.0	P	06/10/2025	18:32	LB136097

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	06/10/2025	18:32	LB136097
	Manganese	5.94	+/-10	U	20.0	P	06/10/2025	18:32	LB136097
	Nickel	3.06	+/-20	U	40.0	P	06/10/2025	18:32	LB136097
	Potassium	918	+/-1000	U	2000	P	06/10/2025	18:32	LB136097
	Selenium	9.64	+/-10	U	20.0	P	06/10/2025	18:32	LB136097
	Silver	1.62	+/-5	U	10.0	P	06/10/2025	18:32	LB136097
	Sodium	868	+/-1000	U	2000	P	06/10/2025	18:32	LB136097
	Thallium	4.38	+/-20	U	40.0	P	06/10/2025	18:32	LB136097
	Vanadium	6.26	+/-20	U	40.0	P	06/10/2025	18:32	LB136097
	Zinc	16.7	+/-20	U	40.0	P	06/10/2025	18:32	LB136097
CCB05	Aluminum	11.3	+/-50	U	100	P	06/10/2025	19:22	LB136097
	Antimony	6.76	+/-25	U	50.0	P	06/10/2025	19:22	LB136097
	Arsenic	5.12	+/-10	U	20.0	P	06/10/2025	19:22	LB136097
	Barium	14.6	+/-50	U	100	P	06/10/2025	19:22	LB136097
	Beryllium	0.56	+/-3	U	6.00	P	06/10/2025	19:22	LB136097
	Cadmium	0.50	+/-3	U	6.00	P	06/10/2025	19:22	LB136097
	Calcium	234	+/-1000	U	2000	P	06/10/2025	19:22	LB136097
	Chromium	2.12	+/-5	U	10.0	P	06/10/2025	19:22	LB136097
	Cobalt	2.26	+/-15	U	30.0	P	06/10/2025	19:22	LB136097
	Copper	4.60	+/-10	U	20.0	P	06/10/2025	19:22	LB136097
	Iron	23.4	+/-50	U	100	P	06/10/2025	19:22	LB136097
	Lead	2.30	+/-6	U	12.0	P	06/10/2025	19:22	LB136097
	Magnesium	244	+/-1000	U	2000	P	06/10/2025	19:22	LB136097
	Manganese	5.94	+/-10	U	20.0	P	06/10/2025	19:22	LB136097
	Nickel	3.06	+/-20	U	40.0	P	06/10/2025	19:22	LB136097
	Potassium	918	+/-1000	U	2000	P	06/10/2025	19:22	LB136097
	Selenium	9.64	+/-10	U	20.0	P	06/10/2025	19:22	LB136097
	Silver	1.62	+/-5	U	10.0	P	06/10/2025	19:22	LB136097
	Sodium	868	+/-1000	U	2000	P	06/10/2025	19:22	LB136097
	Thallium	4.38	+/-20	U	40.0	P	06/10/2025	19:22	LB136097
	Vanadium	6.26	+/-20	U	40.0	P	06/10/2025	19:22	LB136097
	Zinc	16.7	+/-20	U	40.0	P	06/10/2025	19:22	LB136097
CCB06	Aluminum	11.3	+/-50	U	100	P	06/10/2025	20:14	LB136097
	Antimony	6.76	+/-25	U	50.0	P	06/10/2025	20:14	LB136097
	Arsenic	5.12	+/-10	U	20.0	P	06/10/2025	20:14	LB136097
	Barium	14.6	+/-50	U	100	P	06/10/2025	20:14	LB136097
	Beryllium	0.56	+/-3	U	6.00	P	06/10/2025	20:14	LB136097
	Cadmium	0.50	+/-3	U	6.00	P	06/10/2025	20:14	LB136097
	Calcium	234	+/-1000	U	2000	P	06/10/2025	20:14	LB136097

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	2.12	+/-5	U	10.0	P	06/10/2025	20:14	LB136097
	Cobalt	2.26	+/-15	U	30.0	P	06/10/2025	20:14	LB136097
	Copper	4.60	+/-10	U	20.0	P	06/10/2025	20:14	LB136097
	Iron	23.4	+/-50	U	100	P	06/10/2025	20:14	LB136097
	Lead	2.30	+/-6	U	12.0	P	06/10/2025	20:14	LB136097
	Magnesium	244	+/-1000	U	2000	P	06/10/2025	20:14	LB136097
	Manganese	5.94	+/-10	U	20.0	P	06/10/2025	20:14	LB136097
	Nickel	3.06	+/-20	U	40.0	P	06/10/2025	20:14	LB136097
	Potassium	918	+/-1000	U	2000	P	06/10/2025	20:14	LB136097
	Selenium	9.64	+/-10	U	20.0	P	06/10/2025	20:14	LB136097
	Silver	1.62	+/-5	U	10.0	P	06/10/2025	20:14	LB136097
	Sodium	868	+/-1000	U	2000	P	06/10/2025	20:14	LB136097
	Thallium	4.38	+/-20	U	40.0	P	06/10/2025	20:14	LB136097
	Vanadium	6.26	+/-20	U	40.0	P	06/10/2025	20:14	LB136097
	Zinc	16.7	+/-20	U	40.0	P	06/10/2025	20:14	LB136097
CCB07	Aluminum	11.3	+/-50	U	100	P	06/10/2025	21:08	LB136097
	Antimony	6.76	+/-25	U	50.0	P	06/10/2025	21:08	LB136097
	Arsenic	5.12	+/-10	U	20.0	P	06/10/2025	21:08	LB136097
	Barium	14.6	+/-50	U	100	P	06/10/2025	21:08	LB136097
	Beryllium	0.56	+/-3	U	6.00	P	06/10/2025	21:08	LB136097
	Cadmium	0.50	+/-3	U	6.00	P	06/10/2025	21:08	LB136097
	Calcium	234	+/-1000	U	2000	P	06/10/2025	21:08	LB136097
	Chromium	2.12	+/-5	U	10.0	P	06/10/2025	21:08	LB136097
	Cobalt	2.26	+/-15	U	30.0	P	06/10/2025	21:08	LB136097
	Copper	4.60	+/-10	U	20.0	P	06/10/2025	21:08	LB136097
	Iron	23.4	+/-50	U	100	P	06/10/2025	21:08	LB136097
	Lead	2.30	+/-6	U	12.0	P	06/10/2025	21:08	LB136097
	Magnesium	244	+/-1000	U	2000	P	06/10/2025	21:08	LB136097
	Manganese	5.94	+/-10	U	20.0	P	06/10/2025	21:08	LB136097
	Nickel	3.06	+/-20	U	40.0	P	06/10/2025	21:08	LB136097
	Potassium	918	+/-1000	U	2000	P	06/10/2025	21:08	LB136097
	Selenium	9.64	+/-10	U	20.0	P	06/10/2025	21:08	LB136097
	Silver	1.62	+/-5	U	10.0	P	06/10/2025	21:08	LB136097
	Sodium	868	+/-1000	U	2000	P	06/10/2025	21:08	LB136097
	Thallium	4.38	+/-20	U	40.0	P	06/10/2025	21:08	LB136097
	Vanadium	6.26	+/-20	U	40.0	P	06/10/2025	21:08	LB136097
	Zinc	16.7	+/-20	U	40.0	P	06/10/2025	21:08	LB136097
CCB08	Aluminum	11.3	+/-50	U	100	P	06/10/2025	22:08	LB136097
	Antimony	6.76	+/-25	U	50.0	P	06/10/2025	22:08	LB136097

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	5.12	+/-10	U	20.0	P	06/10/2025	22:08	LB136097
	Barium	14.6	+/-50	U	100	P	06/10/2025	22:08	LB136097
	Beryllium	0.56	+/-3	U	6.00	P	06/10/2025	22:08	LB136097
	Cadmium	0.50	+/-3	U	6.00	P	06/10/2025	22:08	LB136097
	Calcium	234	+/-1000	U	2000	P	06/10/2025	22:08	LB136097
	Chromium	2.12	+/-5	U	10.0	P	06/10/2025	22:08	LB136097
	Cobalt	2.26	+/-15	U	30.0	P	06/10/2025	22:08	LB136097
	Copper	4.60	+/-10	U	20.0	P	06/10/2025	22:08	LB136097
	Iron	23.4	+/-50	U	100	P	06/10/2025	22:08	LB136097
	Lead	2.30	+/-6	U	12.0	P	06/10/2025	22:08	LB136097
	Magnesium	244	+/-1000	U	2000	P	06/10/2025	22:08	LB136097
	Manganese	5.94	+/-10	U	20.0	P	06/10/2025	22:08	LB136097
	Nickel	3.06	+/-20	U	40.0	P	06/10/2025	22:08	LB136097
	Potassium	918	+/-1000	U	2000	P	06/10/2025	22:08	LB136097
	Selenium	9.64	+/-10	U	20.0	P	06/10/2025	22:08	LB136097
	Silver	1.62	+/-5	U	10.0	P	06/10/2025	22:08	LB136097
	Sodium	868	+/-1000	U	2000	P	06/10/2025	22:08	LB136097
	Thallium	4.38	+/-20	U	40.0	P	06/10/2025	22:08	LB136097
	Vanadium	6.26	+/-20	U	40.0	P	06/10/2025	22:08	LB136097
	Zinc	16.7	+/-20	U	40.0	P	06/10/2025	22:08	LB136097
CCB09	Aluminum	11.3	+/-50	U	100	P	06/10/2025	23:01	LB136097
	Antimony	6.76	+/-25	U	50.0	P	06/10/2025	23:01	LB136097
	Arsenic	5.12	+/-10	U	20.0	P	06/10/2025	23:01	LB136097
	Barium	14.6	+/-50	U	100	P	06/10/2025	23:01	LB136097
	Beryllium	0.56	+/-3	U	6.00	P	06/10/2025	23:01	LB136097
	Cadmium	0.50	+/-3	U	6.00	P	06/10/2025	23:01	LB136097
	Calcium	234	+/-1000	U	2000	P	06/10/2025	23:01	LB136097
	Chromium	2.12	+/-5	U	10.0	P	06/10/2025	23:01	LB136097
	Cobalt	2.26	+/-15	U	30.0	P	06/10/2025	23:01	LB136097
	Copper	4.60	+/-10	U	20.0	P	06/10/2025	23:01	LB136097
	Iron	23.4	+/-50	U	100	P	06/10/2025	23:01	LB136097
	Lead	2.30	+/-6	U	12.0	P	06/10/2025	23:01	LB136097
	Magnesium	244	+/-1000	U	2000	P	06/10/2025	23:01	LB136097
	Manganese	5.94	+/-10	U	20.0	P	06/10/2025	23:01	LB136097
	Nickel	3.06	+/-20	U	40.0	P	06/10/2025	23:01	LB136097
	Potassium	918	+/-1000	U	2000	P	06/10/2025	23:01	LB136097
	Selenium	9.64	+/-10	U	20.0	P	06/10/2025	23:01	LB136097
	Silver	1.62	+/-5	U	10.0	P	06/10/2025	23:01	LB136097
	Sodium	868	+/-1000	U	2000	P	06/10/2025	23:01	LB136097

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Thallium	4.38	+/-20	U	40.0	P	06/10/2025	23:01	LB136097
	Vanadium	6.26	+/-20	U	40.0	P	06/10/2025	23:01	LB136097
	Zinc	16.7	+/-20	U	40.0	P	06/10/2025	23:01	LB136097
CCB10	Aluminum	11.3	+/-50	U	100	P	06/11/2025	00:02	LB136097
	Antimony	6.76	+/-25	U	50.0	P	06/11/2025	00:02	LB136097
	Arsenic	5.12	+/-10	U	20.0	P	06/11/2025	00:02	LB136097
	Barium	14.6	+/-50	U	100	P	06/11/2025	00:02	LB136097
	Beryllium	0.56	+/-3	U	6.00	P	06/11/2025	00:02	LB136097
	Cadmium	0.50	+/-3	U	6.00	P	06/11/2025	00:02	LB136097
	Calcium	234	+/-1000	U	2000	P	06/11/2025	00:02	LB136097
	Chromium	2.12	+/-5	U	10.0	P	06/11/2025	00:02	LB136097
	Cobalt	2.26	+/-15	U	30.0	P	06/11/2025	00:02	LB136097
	Copper	4.60	+/-10	U	20.0	P	06/11/2025	00:02	LB136097
	Iron	23.4	+/-50	U	100	P	06/11/2025	00:02	LB136097
	Lead	2.30	+/-6	U	12.0	P	06/11/2025	00:02	LB136097
	Magnesium	244	+/-1000	U	2000	P	06/11/2025	00:02	LB136097
	Manganese	5.94	+/-10	U	20.0	P	06/11/2025	00:02	LB136097
	Nickel	3.06	+/-20	U	40.0	P	06/11/2025	00:02	LB136097
	Potassium	918	+/-1000	U	2000	P	06/11/2025	00:02	LB136097
	Selenium	9.64	+/-10	U	20.0	P	06/11/2025	00:02	LB136097
	Silver	1.62	+/-5	U	10.0	P	06/11/2025	00:02	LB136097
	Sodium	868	+/-1000	U	2000	P	06/11/2025	00:02	LB136097
	Thallium	4.38	+/-20	U	40.0	P	06/11/2025	00:02	LB136097
	Vanadium	6.26	+/-20	U	40.0	P	06/11/2025	00:02	LB136097
	Zinc	16.7	+/-20	U	40.0	P	06/11/2025	00:02	LB136097
CCB11	Aluminum	11.3	+/-50	U	100	P	06/11/2025	01:39	LB136097
	Antimony	6.76	+/-25	U	50.0	P	06/11/2025	01:39	LB136097
	Arsenic	5.12	+/-10	U	20.0	P	06/11/2025	01:39	LB136097
	Barium	14.6	+/-50	U	100	P	06/11/2025	01:39	LB136097
	Beryllium	0.56	+/-3	U	6.00	P	06/11/2025	01:39	LB136097
	Cadmium	0.50	+/-3	U	6.00	P	06/11/2025	01:39	LB136097
	Calcium	234	+/-1000	U	2000	P	06/11/2025	01:39	LB136097
	Chromium	2.12	+/-5	U	10.0	P	06/11/2025	01:39	LB136097
	Cobalt	2.26	+/-15	U	30.0	P	06/11/2025	01:39	LB136097
	Copper	4.60	+/-10	U	20.0	P	06/11/2025	01:39	LB136097
	Iron	23.4	+/-50	U	100	P	06/11/2025	01:39	LB136097
	Lead	2.30	+/-6	U	12.0	P	06/11/2025	01:39	LB136097
	Magnesium	244	+/-1000	U	2000	P	06/11/2025	01:39	LB136097
	Manganese	5.94	+/-10	U	20.0	P	06/11/2025	01:39	LB136097

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB11	Nickel	3.06	+/-20	U	40.0	P	06/11/2025	01:39	LB136097
	Potassium	918	+/-1000	U	2000	P	06/11/2025	01:39	LB136097
	Selenium	9.64	+/-10	U	20.0	P	06/11/2025	01:39	LB136097
	Silver	1.62	+/-5	U	10.0	P	06/11/2025	01:39	LB136097
	Sodium	868	+/-1000	U	2000	P	06/11/2025	01:39	LB136097
	Thallium	4.38	+/-20	U	40.0	P	06/11/2025	01:39	LB136097
	Vanadium	6.26	+/-20	U	40.0	P	06/11/2025	01:39	LB136097
	Zinc	16.7	+/-20	U	40.0	P	06/11/2025	01:39	LB136097
CCB12	Aluminum	11.3	+/-50	U	100	P	06/11/2025	02:25	LB136097
	Antimony	6.76	+/-25	U	50.0	P	06/11/2025	02:25	LB136097
	Arsenic	5.12	+/-10	U	20.0	P	06/11/2025	02:25	LB136097
	Barium	14.6	+/-50	U	100	P	06/11/2025	02:25	LB136097
	Beryllium	0.56	+/-3	U	6.00	P	06/11/2025	02:25	LB136097
	Cadmium	0.50	+/-3	U	6.00	P	06/11/2025	02:25	LB136097
	Calcium	234	+/-1000	U	2000	P	06/11/2025	02:25	LB136097
	Chromium	2.12	+/-5	U	10.0	P	06/11/2025	02:25	LB136097
	Cobalt	2.26	+/-15	U	30.0	P	06/11/2025	02:25	LB136097
	Copper	4.60	+/-10	U	20.0	P	06/11/2025	02:25	LB136097
	Iron	23.4	+/-50	U	100	P	06/11/2025	02:25	LB136097
	Lead	2.30	+/-6	U	12.0	P	06/11/2025	02:25	LB136097
	Magnesium	244	+/-1000	U	2000	P	06/11/2025	02:25	LB136097
	Manganese	5.94	+/-10	U	20.0	P	06/11/2025	02:25	LB136097
	Nickel	3.06	+/-20	U	40.0	P	06/11/2025	02:25	LB136097
	Potassium	918	+/-1000	U	2000	P	06/11/2025	02:25	LB136097
	Selenium	9.64	+/-10	U	20.0	P	06/11/2025	02:25	LB136097
	Silver	1.62	+/-5	U	10.0	P	06/11/2025	02:25	LB136097
	Sodium	868	+/-1000	U	2000	P	06/11/2025	02:25	LB136097
	Thallium	4.38	+/-20	U	40.0	P	06/11/2025	02:25	LB136097
	Vanadium	6.26	+/-20	U	40.0	P	06/11/2025	02:25	LB136097
	Zinc	16.7	+/-20	U	40.0	P	06/11/2025	02:25	LB136097

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Metals
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PREPARATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2176

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168249BL		**SOLID**		**Batch Number:**	**PB168249**		**Prep Date:**	**06/02/2025**	
	Mercury	0.0070	<0.013	U	0.013	CV	06/03/2025	13:53	LB135987

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2176

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168245BL		**SOLID**		**Batch Number:**	**PB168245**		**Prep Date:**	**06/02/2025**	
	Aluminum	0.84	<2.5	U	5.00	P	06/10/2025	20:35	LB136097
	Antimony	0.22	<1.25	U	2.50	P	06/10/2025	20:35	LB136097
	Arsenic	0.19	<0.5	U	1.00	P	06/10/2025	20:35	LB136097
	Barium	0.73	<2.5	U	5.00	P	06/10/2025	20:35	LB136097
	Beryllium	0.025	<0.15	U	0.30	P	06/10/2025	20:35	LB136097
	Cadmium	0.024	<0.15	U	0.30	P	06/10/2025	20:35	LB136097
	Calcium	11.1	<50	U	100	P	06/10/2025	20:35	LB136097
	Chromium	0.047	<0.25	U	0.50	P	06/10/2025	20:35	LB136097
	Cobalt	0.10	<0.75	U	1.50	P	06/10/2025	20:35	LB136097
	Copper	0.22	<0.5	U	1.00	P	06/10/2025	20:35	LB136097
	Iron	3.99	<2.5	U	5.00	P	06/10/2025	20:35	LB136097
	Lead	0.13	<0.3	U	0.60	P	06/10/2025	20:35	LB136097
	Magnesium	12.0	<50	U	100	P	06/10/2025	20:35	LB136097
	Manganese	0.14	<0.5	U	1.00	P	06/10/2025	20:35	LB136097
	Nickel	0.13	<1	U	2.00	P	06/10/2025	20:35	LB136097
	Potassium	27.7	<50	U	100	P	06/10/2025	20:35	LB136097
	Selenium	0.26	<0.5	U	1.00	P	06/10/2025	20:35	LB136097
	Silver	0.12	<0.25	U	0.50	P	06/10/2025	20:35	LB136097
	Sodium	17.8	<50	U	100	P	06/10/2025	20:35	LB136097
	Thallium	0.23	<1	U	2.00	P	06/10/2025	20:35	LB136097
	Vanadium	0.25	<1	U	2.00	P	06/10/2025	20:35	LB136097
	Zinc	0.23	<1	U	2.00	P	06/10/2025	20:35	LB136097

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

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
ICV25	Mercury	4.05	4.0	101	90 - 110	CV	06/03/2025	12:43	LB135987

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

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
CCV90	Mercury	4.72	5.0	94	90 - 110	CV	06/03/2025	12:48	LB135987
CCV91	Mercury	4.54	5.0	91	90 - 110	CV	06/03/2025	13:20	LB135987
CCV92	Mercury	4.53	5.0	90	90 - 110	CV	06/03/2025	13:48	LB135987
CCV93	Mercury	4.88	5.0	98	90 - 110	CV	06/03/2025	14:16	LB135987
CCV94	Mercury	4.76	5.0	95	90 - 110	CV	06/03/2025	14:48	LB135987
CCV95	Mercury	4.82	5.0	96	90 - 110	CV	06/03/2025	15:02	LB135987

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

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	7520	8000	94	90 - 110	P	06/10/2025	14:37	LB136097
	Antimony	4020	4000	100	90 - 110	P	06/10/2025	14:37	LB136097
	Arsenic	3850	4000	96	90 - 110	P	06/10/2025	14:37	LB136097
	Barium	7450	8000	93	90 - 110	P	06/10/2025	14:37	LB136097
	Beryllium	198	200	99	90 - 110	P	06/10/2025	14:37	LB136097
	Cadmium	1920	2000	96	90 - 110	P	06/10/2025	14:37	LB136097
	Calcium	18500	20000	92	90 - 110	P	06/10/2025	14:37	LB136097
	Chromium	794	800	99	90 - 110	P	06/10/2025	14:37	LB136097
	Cobalt	1940	2000	97	90 - 110	P	06/10/2025	14:37	LB136097
	Copper	994	1000	99	90 - 110	P	06/10/2025	14:37	LB136097
	Iron	3770	4000	94	90 - 110	P	06/10/2025	14:37	LB136097
	Lead	3800	4000	95	90 - 110	P	06/10/2025	14:37	LB136097
	Magnesium	18700	20000	93	90 - 110	P	06/10/2025	14:37	LB136097
	Manganese	1860	2000	93	90 - 110	P	06/10/2025	14:37	LB136097
	Nickel	1930	2000	97	90 - 110	P	06/10/2025	14:37	LB136097
	Potassium	21800	20000	109	90 - 110	P	06/10/2025	14:37	LB136097
	Selenium	3880	4000	97	90 - 110	P	06/10/2025	14:37	LB136097
	Silver	978	1000	98	90 - 110	P	06/10/2025	14:37	LB136097
	Sodium	21900	20000	109	90 - 110	P	06/10/2025	14:37	LB136097
	Thallium	3740	4000	94	90 - 110	P	06/10/2025	14:37	LB136097
	Vanadium	1900	2000	95	90 - 110	P	06/10/2025	14:37	LB136097
	Zinc	1980	2000	99	90 - 110	P	06/10/2025	14:37	LB136097

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

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	110	100	110	80 - 120	P	06/10/2025	14:41	LB136097
	Antimony	55.0	50.0	110	80 - 120	P	06/10/2025	14:41	LB136097
	Arsenic	21.2	20.0	106	80 - 120	P	06/10/2025	14:41	LB136097
	Barium	101	100	101	80 - 120	P	06/10/2025	14:41	LB136097
	Beryllium	6.23	6.0	104	80 - 120	P	06/10/2025	14:41	LB136097
	Cadmium	6.31	6.0	105	80 - 120	P	06/10/2025	14:41	LB136097
	Calcium	2040	2000	102	80 - 120	P	06/10/2025	14:41	LB136097
	Chromium	10.8	10.0	108	80 - 120	P	06/10/2025	14:41	LB136097
	Cobalt	30.5	30.0	102	80 - 120	P	06/10/2025	14:41	LB136097
	Copper	22.6	20.0	113	80 - 120	P	06/10/2025	14:41	LB136097
	Iron	108	100	108	80 - 120	P	06/10/2025	14:41	LB136097
	Lead	12.8	12.0	107	80 - 120	P	06/10/2025	14:41	LB136097
	Magnesium	2030	2000	102	80 - 120	P	06/10/2025	14:41	LB136097
	Manganese	21.1	20.0	106	80 - 120	P	06/10/2025	14:41	LB136097
	Nickel	41.6	40.0	104	80 - 120	P	06/10/2025	14:41	LB136097
	Potassium	1960	2000	98	80 - 120	P	06/10/2025	14:41	LB136097
	Selenium	19.7	20.0	98	80 - 120	P	06/10/2025	14:41	LB136097
	Silver	10.5	10.0	105	80 - 120	P	06/10/2025	14:41	LB136097
	Sodium	1920	2000	96	80 - 120	P	06/10/2025	14:41	LB136097
	Thallium	41.3	40.0	103	80 - 120	P	06/10/2025	14:41	LB136097
	Vanadium	38.7	40.0	97	80 - 120	P	06/10/2025	14:41	LB136097
	Zinc	43.7	40.0	109	80 - 120	P	06/10/2025	14:41	LB136097

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

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	10100	10000	101	90 - 110	P	06/10/2025	15:30	LB136097
	Antimony	5060	5000	101	90 - 110	P	06/10/2025	15:30	LB136097
	Arsenic	5050	5000	101	90 - 110	P	06/10/2025	15:30	LB136097
	Barium	9840	10000	98	90 - 110	P	06/10/2025	15:30	LB136097
	Beryllium	262	250	105	90 - 110	P	06/10/2025	15:30	LB136097
	Cadmium	2510	2500	100	90 - 110	P	06/10/2025	15:30	LB136097
	Calcium	24900	25000	100	90 - 110	P	06/10/2025	15:30	LB136097
	Chromium	1030	1000	103	90 - 110	P	06/10/2025	15:30	LB136097
	Cobalt	2500	2500	100	90 - 110	P	06/10/2025	15:30	LB136097
	Copper	1270	1250	101	90 - 110	P	06/10/2025	15:30	LB136097
	Iron	4860	5000	97	90 - 110	P	06/10/2025	15:30	LB136097
	Lead	5030	5000	100	90 - 110	P	06/10/2025	15:30	LB136097
	Magnesium	25000	25000	100	90 - 110	P	06/10/2025	15:30	LB136097
	Manganese	2480	2500	99	90 - 110	P	06/10/2025	15:30	LB136097
	Nickel	2510	2500	100	90 - 110	P	06/10/2025	15:30	LB136097
	Potassium	24200	25000	97	90 - 110	P	06/10/2025	15:30	LB136097
	Selenium	5080	5000	102	90 - 110	P	06/10/2025	15:30	LB136097
	Silver	1270	1250	101	90 - 110	P	06/10/2025	15:30	LB136097
	Sodium	24100	25000	96	90 - 110	P	06/10/2025	15:30	LB136097
	Thallium	5100	5000	102	90 - 110	P	06/10/2025	15:30	LB136097
	Vanadium	2510	2500	100	90 - 110	P	06/10/2025	15:30	LB136097
	Zinc	2560	2500	102	90 - 110	P	06/10/2025	15:30	LB136097
CCV02	Aluminum	10000	10000	100	90 - 110	P	06/10/2025	16:28	LB136097
	Antimony	5040	5000	101	90 - 110	P	06/10/2025	16:28	LB136097
	Arsenic	5070	5000	101	90 - 110	P	06/10/2025	16:28	LB136097
	Barium	9830	10000	98	90 - 110	P	06/10/2025	16:28	LB136097
	Beryllium	261	250	104	90 - 110	P	06/10/2025	16:28	LB136097
	Cadmium	2540	2500	102	90 - 110	P	06/10/2025	16:28	LB136097
	Calcium	24900	25000	100	90 - 110	P	06/10/2025	16:28	LB136097
	Chromium	1030	1000	103	90 - 110	P	06/10/2025	16:28	LB136097
	Cobalt	2530	2500	101	90 - 110	P	06/10/2025	16:28	LB136097
	Copper	1280	1250	102	90 - 110	P	06/10/2025	16:28	LB136097
	Iron	4930	5000	99	90 - 110	P	06/10/2025	16:28	LB136097
	Lead	5070	5000	101	90 - 110	P	06/10/2025	16:28	LB136097

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

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	25000	25000	100	90 - 110	P	06/10/2025	16:28	LB136097
	Manganese	2460	2500	98	90 - 110	P	06/10/2025	16:28	LB136097
	Nickel	2540	2500	101	90 - 110	P	06/10/2025	16:28	LB136097
	Potassium	24500	25000	98	90 - 110	P	06/10/2025	16:28	LB136097
	Selenium	5100	5000	102	90 - 110	P	06/10/2025	16:28	LB136097
	Silver	1270	1250	102	90 - 110	P	06/10/2025	16:28	LB136097
	Sodium	24400	25000	97	90 - 110	P	06/10/2025	16:28	LB136097
	Thallium	5070	5000	101	90 - 110	P	06/10/2025	16:28	LB136097
	Vanadium	2510	2500	100	90 - 110	P	06/10/2025	16:28	LB136097
	Zinc	2570	2500	103	90 - 110	P	06/10/2025	16:28	LB136097
CCV03	Aluminum	9930	10000	99	90 - 110	P	06/10/2025	17:36	LB136097
	Antimony	5110	5000	102	90 - 110	P	06/10/2025	17:36	LB136097
	Arsenic	5130	5000	103	90 - 110	P	06/10/2025	17:36	LB136097
	Barium	10200	10000	102	90 - 110	P	06/10/2025	17:36	LB136097
	Beryllium	243	250	97	90 - 110	P	06/10/2025	17:36	LB136097
	Cadmium	2540	2500	102	90 - 110	P	06/10/2025	17:36	LB136097
	Calcium	25000	25000	100	90 - 110	P	06/10/2025	17:36	LB136097
	Chromium	1030	1000	103	90 - 110	P	06/10/2025	17:36	LB136097
	Cobalt	2530	2500	101	90 - 110	P	06/10/2025	17:36	LB136097
	Copper	1280	1250	102	90 - 110	P	06/10/2025	17:36	LB136097
	Iron	5390	5000	108	90 - 110	P	06/10/2025	17:36	LB136097
	Lead	5080	5000	102	90 - 110	P	06/10/2025	17:36	LB136097
	Magnesium	24700	25000	99	90 - 110	P	06/10/2025	17:36	LB136097
	Manganese	2500	2500	100	90 - 110	P	06/10/2025	17:36	LB136097
	Nickel	2540	2500	102	90 - 110	P	06/10/2025	17:36	LB136097
	Potassium	26400	25000	105	90 - 110	P	06/10/2025	17:36	LB136097
	Selenium	5140	5000	103	90 - 110	P	06/10/2025	17:36	LB136097
	Silver	1280	1250	103	90 - 110	P	06/10/2025	17:36	LB136097
	Sodium	26700	25000	107	90 - 110	P	06/10/2025	17:36	LB136097
	Thallium	4990	5000	100	90 - 110	P	06/10/2025	17:36	LB136097
	Vanadium	2540	2500	101	90 - 110	P	06/10/2025	17:36	LB136097
	Zinc	2580	2500	103	90 - 110	P	06/10/2025	17:36	LB136097
CCV04	Aluminum	9910	10000	99	90 - 110	P	06/10/2025	18:28	LB136097
	Antimony	5130	5000	103	90 - 110	P	06/10/2025	18:28	LB136097

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

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	5200	5000	104	90 - 110	P	06/10/2025	18:28	LB136097
	Barium	10300	10000	103	90 - 110	P	06/10/2025	18:28	LB136097
	Beryllium	246	250	99	90 - 110	P	06/10/2025	18:28	LB136097
	Cadmium	2580	2500	103	90 - 110	P	06/10/2025	18:28	LB136097
	Calcium	25200	25000	101	90 - 110	P	06/10/2025	18:28	LB136097
	Chromium	1050	1000	105	90 - 110	P	06/10/2025	18:28	LB136097
	Cobalt	2560	2500	102	90 - 110	P	06/10/2025	18:28	LB136097
	Copper	1290	1250	103	90 - 110	P	06/10/2025	18:28	LB136097
	Iron	5420	5000	108	90 - 110	P	06/10/2025	18:28	LB136097
	Lead	5160	5000	103	90 - 110	P	06/10/2025	18:28	LB136097
	Magnesium	24800	25000	99	90 - 110	P	06/10/2025	18:28	LB136097
	Manganese	2510	2500	100	90 - 110	P	06/10/2025	18:28	LB136097
	Nickel	2570	2500	103	90 - 110	P	06/10/2025	18:28	LB136097
	Potassium	25900	25000	104	90 - 110	P	06/10/2025	18:28	LB136097
	Selenium	5220	5000	104	90 - 110	P	06/10/2025	18:28	LB136097
	Silver	1290	1250	103	90 - 110	P	06/10/2025	18:28	LB136097
	Sodium	26000	25000	104	90 - 110	P	06/10/2025	18:28	LB136097
	Thallium	5110	5000	102	90 - 110	P	06/10/2025	18:28	LB136097
	Vanadium	2550	2500	102	90 - 110	P	06/10/2025	18:28	LB136097
	Zinc	2540	2500	101	90 - 110	P	06/10/2025	18:28	LB136097
CCV05	Aluminum	9840	10000	98	90 - 110	P	06/10/2025	19:18	LB136097
	Antimony	5120	5000	102	90 - 110	P	06/10/2025	19:18	LB136097
	Arsenic	5170	5000	103	90 - 110	P	06/10/2025	19:18	LB136097
	Barium	10200	10000	102	90 - 110	P	06/10/2025	19:18	LB136097
	Beryllium	243	250	97	90 - 110	P	06/10/2025	19:18	LB136097
	Cadmium	2550	2500	102	90 - 110	P	06/10/2025	19:18	LB136097
	Calcium	24900	25000	100	90 - 110	P	06/10/2025	19:18	LB136097
	Chromium	1030	1000	103	90 - 110	P	06/10/2025	19:18	LB136097
	Cobalt	2530	2500	101	90 - 110	P	06/10/2025	19:18	LB136097
	Copper	1270	1250	102	90 - 110	P	06/10/2025	19:18	LB136097
	Iron	5340	5000	107	90 - 110	P	06/10/2025	19:18	LB136097
	Lead	5090	5000	102	90 - 110	P	06/10/2025	19:18	LB136097
	Magnesium	24400	25000	98	90 - 110	P	06/10/2025	19:18	LB136097
	Manganese	2490	2500	100	90 - 110	P	06/10/2025	19:18	LB136097

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

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	2540	2500	102	90 - 110	P	06/10/2025	19:18	LB136097
	Potassium	25200	25000	101	90 - 110	P	06/10/2025	19:18	LB136097
	Selenium	5190	5000	104	90 - 110	P	06/10/2025	19:18	LB136097
	Silver	1260	1250	101	90 - 110	P	06/10/2025	19:18	LB136097
	Sodium	25200	25000	101	90 - 110	P	06/10/2025	19:18	LB136097
	Thallium	5000	5000	100	90 - 110	P	06/10/2025	19:18	LB136097
	Vanadium	2540	2500	102	90 - 110	P	06/10/2025	19:18	LB136097
	Zinc	2510	2500	100	90 - 110	P	06/10/2025	19:18	LB136097
CCV06	Aluminum	10100	10000	100	90 - 110	P	06/10/2025	20:09	LB136097
	Antimony	5120	5000	102	90 - 110	P	06/10/2025	20:09	LB136097
	Arsenic	5160	5000	103	90 - 110	P	06/10/2025	20:09	LB136097
	Barium	9960	10000	100	90 - 110	P	06/10/2025	20:09	LB136097
	Beryllium	262	250	105	90 - 110	P	06/10/2025	20:09	LB136097
	Cadmium	2550	2500	102	90 - 110	P	06/10/2025	20:09	LB136097
	Calcium	25100	25000	100	90 - 110	P	06/10/2025	20:09	LB136097
	Chromium	1050	1000	105	90 - 110	P	06/10/2025	20:09	LB136097
	Cobalt	2540	2500	102	90 - 110	P	06/10/2025	20:09	LB136097
	Copper	1270	1250	102	90 - 110	P	06/10/2025	20:09	LB136097
	Iron	5150	5000	103	90 - 110	P	06/10/2025	20:09	LB136097
	Lead	5110	5000	102	90 - 110	P	06/10/2025	20:09	LB136097
	Magnesium	25000	25000	100	90 - 110	P	06/10/2025	20:09	LB136097
	Manganese	2500	2500	100	90 - 110	P	06/10/2025	20:09	LB136097
	Nickel	2550	2500	102	90 - 110	P	06/10/2025	20:09	LB136097
	Potassium	24100	25000	96	90 - 110	P	06/10/2025	20:09	LB136097
	Selenium	5190	5000	104	90 - 110	P	06/10/2025	20:09	LB136097
	Silver	1290	1250	103	90 - 110	P	06/10/2025	20:09	LB136097
	Sodium	23800	25000	95	90 - 110	P	06/10/2025	20:09	LB136097
	Thallium	5010	5000	100	90 - 110	P	06/10/2025	20:09	LB136097
	Vanadium	2560	2500	102	90 - 110	P	06/10/2025	20:09	LB136097
	Zinc	2570	2500	103	90 - 110	P	06/10/2025	20:09	LB136097
CCV07	Aluminum	10100	10000	101	90 - 110	P	06/10/2025	21:04	LB136097
	Antimony	5160	5000	103	90 - 110	P	06/10/2025	21:04	LB136097
	Arsenic	5230	5000	104	90 - 110	P	06/10/2025	21:04	LB136097
	Barium	10100	10000	101	90 - 110	P	06/10/2025	21:04	LB136097

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

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	261	250	104	90 - 110	P	06/10/2025	21:04	LB136097
	Cadmium	2600	2500	104	90 - 110	P	06/10/2025	21:04	LB136097
	Calcium	25600	25000	102	90 - 110	P	06/10/2025	21:04	LB136097
	Chromium	1050	1000	105	90 - 110	P	06/10/2025	21:04	LB136097
	Cobalt	2590	2500	103	90 - 110	P	06/10/2025	21:04	LB136097
	Copper	1270	1250	102	90 - 110	P	06/10/2025	21:04	LB136097
	Iron	5190	5000	104	90 - 110	P	06/10/2025	21:04	LB136097
	Lead	5210	5000	104	90 - 110	P	06/10/2025	21:04	LB136097
	Magnesium	25400	25000	102	90 - 110	P	06/10/2025	21:04	LB136097
	Manganese	2550	2500	102	90 - 110	P	06/10/2025	21:04	LB136097
	Nickel	2590	2500	104	90 - 110	P	06/10/2025	21:04	LB136097
	Potassium	23600	25000	94	90 - 110	P	06/10/2025	21:04	LB136097
	Selenium	5230	5000	105	90 - 110	P	06/10/2025	21:04	LB136097
	Silver	1280	1250	102	90 - 110	P	06/10/2025	21:04	LB136097
	Sodium	23500	25000	94	90 - 110	P	06/10/2025	21:04	LB136097
	Thallium	5090	5000	102	90 - 110	P	06/10/2025	21:04	LB136097
	Vanadium	2590	2500	104	90 - 110	P	06/10/2025	21:04	LB136097
	Zinc	2540	2500	102	90 - 110	P	06/10/2025	21:04	LB136097
CCV08	Aluminum	10100	10000	101	90 - 110	P	06/10/2025	22:04	LB136097
	Antimony	5200	5000	104	90 - 110	P	06/10/2025	22:04	LB136097
	Arsenic	5240	5000	105	90 - 110	P	06/10/2025	22:04	LB136097
	Barium	10100	10000	101	90 - 110	P	06/10/2025	22:04	LB136097
	Beryllium	262	250	105	90 - 110	P	06/10/2025	22:04	LB136097
	Cadmium	2550	2500	102	90 - 110	P	06/10/2025	22:04	LB136097
	Calcium	25400	25000	101	90 - 110	P	06/10/2025	22:04	LB136097
	Chromium	1050	1000	105	90 - 110	P	06/10/2025	22:04	LB136097
	Cobalt	2560	2500	102	90 - 110	P	06/10/2025	22:04	LB136097
	Copper	1280	1250	103	90 - 110	P	06/10/2025	22:04	LB136097
	Iron	5140	5000	103	90 - 110	P	06/10/2025	22:04	LB136097
	Lead	5130	5000	102	90 - 110	P	06/10/2025	22:04	LB136097
	Magnesium	25300	25000	101	90 - 110	P	06/10/2025	22:04	LB136097
	Manganese	2540	2500	102	90 - 110	P	06/10/2025	22:04	LB136097
	Nickel	2560	2500	103	90 - 110	P	06/10/2025	22:04	LB136097
	Potassium	23500	25000	94	90 - 110	P	06/10/2025	22:04	LB136097

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

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	5280	5000	106	90 - 110	P	06/10/2025	22:04	LB136097
	Silver	1280	1250	102	90 - 110	P	06/10/2025	22:04	LB136097
	Sodium	23400	25000	94	90 - 110	P	06/10/2025	22:04	LB136097
	Thallium	5010	5000	100	90 - 110	P	06/10/2025	22:04	LB136097
	Vanadium	2580	2500	103	90 - 110	P	06/10/2025	22:04	LB136097
	Zinc	2550	2500	102	90 - 110	P	06/10/2025	22:04	LB136097
CCV09	Aluminum	10000	10000	100	90 - 110	P	06/10/2025	22:56	LB136097
	Antimony	5110	5000	102	90 - 110	P	06/10/2025	22:56	LB136097
	Arsenic	5150	5000	103	90 - 110	P	06/10/2025	22:56	LB136097
	Barium	10100	10000	101	90 - 110	P	06/10/2025	22:56	LB136097
	Beryllium	260	250	104	90 - 110	P	06/10/2025	22:56	LB136097
	Cadmium	2550	2500	102	90 - 110	P	06/10/2025	22:56	LB136097
	Calcium	25100	25000	101	90 - 110	P	06/10/2025	22:56	LB136097
	Chromium	1050	1000	105	90 - 110	P	06/10/2025	22:56	LB136097
	Cobalt	2550	2500	102	90 - 110	P	06/10/2025	22:56	LB136097
	Copper	1270	1250	102	90 - 110	P	06/10/2025	22:56	LB136097
	Iron	5160	5000	103	90 - 110	P	06/10/2025	22:56	LB136097
	Lead	5100	5000	102	90 - 110	P	06/10/2025	22:56	LB136097
	Magnesium	25000	25000	100	90 - 110	P	06/10/2025	22:56	LB136097
	Manganese	2510	2500	100	90 - 110	P	06/10/2025	22:56	LB136097
	Nickel	2560	2500	102	90 - 110	P	06/10/2025	22:56	LB136097
	Potassium	24100	25000	96	90 - 110	P	06/10/2025	22:56	LB136097
	Selenium	5180	5000	104	90 - 110	P	06/10/2025	22:56	LB136097
	Silver	1290	1250	103	90 - 110	P	06/10/2025	22:56	LB136097
	Sodium	23900	25000	96	90 - 110	P	06/10/2025	22:56	LB136097
	Thallium	5020	5000	100	90 - 110	P	06/10/2025	22:56	LB136097
	Vanadium	2540	2500	102	90 - 110	P	06/10/2025	22:56	LB136097
	Zinc	2580	2500	103	90 - 110	P	06/10/2025	22:56	LB136097
CCV10	Aluminum	10200	10000	102	90 - 110	P	06/10/2025	23:57	LB136097
	Antimony	5170	5000	103	90 - 110	P	06/10/2025	23:57	LB136097
	Arsenic	5180	5000	104	90 - 110	P	06/10/2025	23:57	LB136097
	Barium	10000	10000	100	90 - 110	P	06/10/2025	23:57	LB136097
	Beryllium	264	250	106	90 - 110	P	06/10/2025	23:57	LB136097
	Cadmium	2540	2500	102	90 - 110	P	06/10/2025	23:57	LB136097

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

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	25400	25000	102	90 - 110	P	06/10/2025	23:57	LB136097
	Chromium	1060	1000	106	90 - 110	P	06/10/2025	23:57	LB136097
	Cobalt	2550	2500	102	90 - 110	P	06/10/2025	23:57	LB136097
	Copper	1280	1250	102	90 - 110	P	06/10/2025	23:57	LB136097
	Iron	5200	5000	104	90 - 110	P	06/10/2025	23:57	LB136097
	Lead	5100	5000	102	90 - 110	P	06/10/2025	23:57	LB136097
	Magnesium	25400	25000	102	90 - 110	P	06/10/2025	23:57	LB136097
	Manganese	2530	2500	101	90 - 110	P	06/10/2025	23:57	LB136097
	Nickel	2560	2500	102	90 - 110	P	06/10/2025	23:57	LB136097
	Potassium	24000	25000	96	90 - 110	P	06/10/2025	23:57	LB136097
	Selenium	5230	5000	105	90 - 110	P	06/10/2025	23:57	LB136097
	Silver	1310	1250	104	90 - 110	P	06/10/2025	23:57	LB136097
	Sodium	23600	25000	94	90 - 110	P	06/10/2025	23:57	LB136097
	Thallium	4940	5000	99	90 - 110	P	06/10/2025	23:57	LB136097
	Vanadium	2570	2500	103	90 - 110	P	06/10/2025	23:57	LB136097
	Zinc	2630	2500	105	90 - 110	P	06/10/2025	23:57	LB136097
CCV11	Aluminum	10200	10000	102	90 - 110	P	06/11/2025	01:35	LB136097
	Antimony	5240	5000	105	90 - 110	P	06/11/2025	01:35	LB136097
	Arsenic	5280	5000	106	90 - 110	P	06/11/2025	01:35	LB136097
	Barium	10100	10000	101	90 - 110	P	06/11/2025	01:35	LB136097
	Beryllium	259	250	104	90 - 110	P	06/11/2025	01:35	LB136097
	Cadmium	2570	2500	103	90 - 110	P	06/11/2025	01:35	LB136097
	Calcium	25100	25000	100	90 - 110	P	06/11/2025	01:35	LB136097
	Chromium	1040	1000	104	90 - 110	P	06/11/2025	01:35	LB136097
	Cobalt	2580	2500	103	90 - 110	P	06/11/2025	01:35	LB136097
	Copper	1290	1250	103	90 - 110	P	06/11/2025	01:35	LB136097
	Iron	5060	5000	101	90 - 110	P	06/11/2025	01:35	LB136097
	Lead	5160	5000	103	90 - 110	P	06/11/2025	01:35	LB136097
	Magnesium	24900	25000	100	90 - 110	P	06/11/2025	01:35	LB136097
	Manganese	2520	2500	101	90 - 110	P	06/11/2025	01:35	LB136097
	Nickel	2590	2500	104	90 - 110	P	06/11/2025	01:35	LB136097
	Potassium	23800	25000	95	90 - 110	P	06/11/2025	01:35	LB136097
	Selenium	5320	5000	106	90 - 110	P	06/11/2025	01:35	LB136097
	Silver	1280	1250	103	90 - 110	P	06/11/2025	01:35	LB136097

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

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
CCV11	Sodium	23700	25000	95	90 - 110	P	06/11/2025	01:35	LB136097
	Thallium	4950	5000	99	90 - 110	P	06/11/2025	01:35	LB136097
	Vanadium	2560	2500	102	90 - 110	P	06/11/2025	01:35	LB136097
	Zinc	2600	2500	104	90 - 110	P	06/11/2025	01:35	LB136097
CCV12	Aluminum	10200	10000	102	90 - 110	P	06/11/2025	02:21	LB136097
	Antimony	4840	5000	97	90 - 110	P	06/11/2025	02:21	LB136097
	Arsenic	4850	5000	97	90 - 110	P	06/11/2025	02:21	LB136097
	Barium	10000	10000	100	90 - 110	P	06/11/2025	02:21	LB136097
	Beryllium	264	250	105	90 - 110	P	06/11/2025	02:21	LB136097
	Cadmium	2400	2500	96	90 - 110	P	06/11/2025	02:21	LB136097
	Calcium	24900	25000	99	90 - 110	P	06/11/2025	02:21	LB136097
	Chromium	1030	1000	103	90 - 110	P	06/11/2025	02:21	LB136097
	Cobalt	2420	2500	97	90 - 110	P	06/11/2025	02:21	LB136097
	Copper	1200	1250	96	90 - 110	P	06/11/2025	02:21	LB136097
	Iron	4930	5000	99	90 - 110	P	06/11/2025	02:21	LB136097
	Lead	4810	5000	96	90 - 110	P	06/11/2025	02:21	LB136097
	Magnesium	24900	25000	100	90 - 110	P	06/11/2025	02:21	LB136097
	Manganese	2490	2500	100	90 - 110	P	06/11/2025	02:21	LB136097
	Nickel	2420	2500	97	90 - 110	P	06/11/2025	02:21	LB136097
	Potassium	23100	25000	92	90 - 110	P	06/11/2025	02:21	LB136097
	Selenium	4880	5000	98	90 - 110	P	06/11/2025	02:21	LB136097
	Silver	1280	1250	102	90 - 110	P	06/11/2025	02:21	LB136097
	Sodium	22800	25000	91	90 - 110	P	06/11/2025	02:21	LB136097
	Thallium	4660	5000	93	90 - 110	P	06/11/2025	02:21	LB136097
	Vanadium	2530	2500	101	90 - 110	P	06/11/2025	02:21	LB136097
	Zinc	2590	2500	104	90 - 110	P	06/11/2025	02:21	LB136097

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Metals

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CRDL STANDARD FOR AA & ICP

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

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	0.21	0.2	104	70 - 130	CV	06/03/2025	12:52	LB135987
CRI01	Aluminum	105	100	105	65 - 135	P	06/10/2025	14:50	LB136097
	Antimony	53.3	50.0	107	65 - 135	P	06/10/2025	14:50	LB136097
	Arsenic	22.9	20.0	114	65 - 135	P	06/10/2025	14:50	LB136097
	Barium	98.7	100	99	65 - 135	P	06/10/2025	14:50	LB136097
	Beryllium	6.22	6.0	104	65 - 135	P	06/10/2025	14:50	LB136097
	Cadmium	6.07	6.0	101	65 - 135	P	06/10/2025	14:50	LB136097
	Calcium	2030	2000	102	65 - 135	P	06/10/2025	14:50	LB136097
	Chromium	10.7	10.0	107	65 - 135	P	06/10/2025	14:50	LB136097
	Cobalt	30.4	30.0	102	65 - 135	P	06/10/2025	14:50	LB136097
	Copper	22.7	20.0	114	65 - 135	P	06/10/2025	14:50	LB136097
	Iron	111	100	111	65 - 135	P	06/10/2025	14:50	LB136097
	Lead	13.4	12.0	112	65 - 135	P	06/10/2025	14:50	LB136097
	Magnesium	2040	2000	102	65 - 135	P	06/10/2025	14:50	LB136097
	Manganese	21.0	20.0	105	65 - 135	P	06/10/2025	14:50	LB136097
	Nickel	40.8	40.0	102	65 - 135	P	06/10/2025	14:50	LB136097
	Potassium	1990	2000	99	65 - 135	P	06/10/2025	14:50	LB136097
	Selenium	19.5	20.0	98	65 - 135	P	06/10/2025	14:50	LB136097
	Silver	10.6	10.0	106	65 - 135	P	06/10/2025	14:50	LB136097
	Sodium	1890	2000	95	65 - 135	P	06/10/2025	14:50	LB136097
	Thallium	40.8	40.0	102	65 - 135	P	06/10/2025	14:50	LB136097
	Vanadium	39.1	40.0	98	65 - 135	P	06/10/2025	14:50	LB136097
	Zinc	44.1	40.0	110	65 - 135	P	06/10/2025	14:50	LB136097

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Metals
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INTERFERENCE CHECK SAMPLE

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

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	256000	255000	100	216000	294000	06/10/2025	14:54	LB136097
	Antimony	-2.43			-50	50	06/10/2025	14:54	LB136097
	Arsenic	8.34			-20	20	06/10/2025	14:54	LB136097
	Barium	2.84	6.0	47	-94	106	06/10/2025	14:54	LB136097
	Beryllium	1.10			-6	6	06/10/2025	14:54	LB136097
	Cadmium	4.20	1.0	420	-5	7	06/10/2025	14:54	LB136097
	Calcium	239000	245000	98	208000	282000	06/10/2025	14:54	LB136097
	Chromium	47.4	52.0	91	42	62	06/10/2025	14:54	LB136097
	Cobalt	1.54			-30	30	06/10/2025	14:54	LB136097
	Copper	3.36	2.0	168	-18	22	06/10/2025	14:54	LB136097
	Iron	97000	101000	96	85600	116500	06/10/2025	14:54	LB136097
	Lead	-3.62			-12	12	06/10/2025	14:54	LB136097
	Magnesium	261000	255000	102	216000	294000	06/10/2025	14:54	LB136097
	Manganese	0.37	7.0	5	-13	27	06/10/2025	14:54	LB136097
	Nickel	2.57	2.0	128	-38	42	06/10/2025	14:54	LB136097
	Potassium	-7.55			0	0	06/10/2025	14:54	LB136097
	Selenium	-3.79			-20	20	06/10/2025	14:54	LB136097
	Silver	-2.86			-10	10	06/10/2025	14:54	LB136097
	Sodium	-38.2			0	0	06/10/2025	14:54	LB136097
	Thallium	-8.11			-40	40	06/10/2025	14:54	LB136097
	Vanadium	2.60			-40	40	06/10/2025	14:54	LB136097
	Zinc	6.32			-40	40	06/10/2025	14:54	LB136097
ICSAB01	Aluminum	245000	247000	99	209000	285000	06/10/2025	15:18	LB136097
	Antimony	633	618	102	525	711	06/10/2025	15:18	LB136097
	Arsenic	112	104	108	88.4	120	06/10/2025	15:18	LB136097
	Barium	510	537	95	437	637	06/10/2025	15:18	LB136097
	Beryllium	485	495	98	420	570	06/10/2025	15:18	LB136097
	Cadmium	1010	972	104	826	1120	06/10/2025	15:18	LB136097
	Calcium	230000	235000	98	199000	271000	06/10/2025	15:18	LB136097
	Chromium	549	542	101	460	624	06/10/2025	15:18	LB136097
	Cobalt	508	476	107	404	548	06/10/2025	15:18	LB136097
	Copper	496	511	97	434	588	06/10/2025	15:18	LB136097
	Iron	99000	99300	100	84400	114500	06/10/2025	15:18	LB136097
	Lead	43.7	49.0	89	37	61	06/10/2025	15:18	LB136097
	Magnesium	248000	248000	100	210000	286000	06/10/2025	15:18	LB136097
	Manganese	485	507	96	430	584	06/10/2025	15:18	LB136097
	Nickel	999	954	105	810	1100	06/10/2025	15:18	LB136097
	Potassium	-8.47			0	0	06/10/2025	15:18	LB136097
	Selenium	55.8	46.0	121	26	66	06/10/2025	15:18	LB136097
	Silver	193	201	96	170	232	06/10/2025	15:18	LB136097
	Sodium	-49.9			0	0	06/10/2025	15:18	LB136097
	Thallium	92.5	108	86	68	148	06/10/2025	15:18	LB136097

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Metals
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INTERFERENCE CHECK SAMPLE

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

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	489	491	100	417	565	06/10/2025	15:18	LB136097
	Zinc	1070	952	112	809	1095	06/10/2025	15:18	LB136097

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2176

contract: CAMP02 **lab code:** CHEM **case no.:** Q2176 **sas no.:** Q2176

matrix: Solid **sample id:** Q2176-08 **client id:** TP-65MS

Percent Solids for Sample: 87.3 **Spiked ID:** Q2176-08MS **Percent Solids for Spike Sample:** 87.3

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.27		0.011	J	0.3	87		CV

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2176

contract: CAMP02 **lab code:** CHEM **case no.:** Q2176 **sas no.:** Q2176

matrix: Solid **sample id:** Q2176-08 **client id:** TP-65MSD

Percent Solids for Sample: 87.3 **Spiked ID:** Q2176-08MSD **Percent Solids for Spike Sample:** 87.3

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.29		0.011	J	0.29	95		CV

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2176

contract: CAMP02 **lab code:** CHEM **case no.:** Q2176 **sas no.:** Q2176

matrix: Solid **sample id:** Q2177-04 **client id:** B-187-SB02MS

Percent Solids for Sample: 62.8 **Spiked ID:** Q2177-04MS **Percent Solids for Spike Sample:** 62.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	7400		5970		140	1023		P
Antimony	mg/Kg	75 - 125	22.4		3.76	U	54.4	41	N	P
Arsenic	mg/Kg	75 - 125	53.0		1.00	J	54.4	96		P
Barium	mg/Kg	75 - 125	19.0		5.38	J	13.6	100		P
Beryllium	mg/Kg	75 - 125	13.9		0.29	J	13.6	100		P
Cadmium	mg/Kg	75 - 125	13.9		0.19	J	13.6	101		P
Calcium	mg/Kg	75 - 125	586		427		68.0	234		P
Chromium	mg/Kg	75 - 125	36.3		8.68		27.2	102		P
Cobalt	mg/Kg	75 - 125	17.8		3.45		13.6	105		P
Copper	mg/Kg	75 - 125	27.0		6.86		20.4	99		P
Iron	mg/Kg	75 - 125	10500		9960		200	266		P
Lead	mg/Kg	75 - 125	69.1		4.48		68.0	95		P
Magnesium	mg/Kg	75 - 125	1940		1580		140	254		P
Manganese	mg/Kg	75 - 125	82.6		65.9		13.6	123		P
Nickel	mg/Kg	75 - 125	43.6		8.35		34.0	104		P
Potassium	mg/Kg	75 - 125	979		356		680	92		P
Selenium	mg/Kg	75 - 125	125		1.50	U	140	89		P
Silver	mg/Kg	75 - 125	4.82		0.75	U	5.1	94		P
Sodium	mg/Kg	75 - 125	572		357		200	108		P
Thallium	mg/Kg	75 - 125	125		3.00	U	140	89		P
Vanadium	mg/Kg	75 - 125	30.8		9.88		20.4	103		P
Zinc	mg/Kg	75 - 125	35.5		19.9		13.6	115		P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2176

contract: CAMP02 **lab code:** CHEM **case no.:** Q2176 **sas no.:** Q2176

matrix: Solid **sample id:** Q2177-04 **client id:** B-187-SB02MSD

Percent Solids for Sample: 62.8 **Spiked ID:** Q2177-04MSD **Percent Solids for Spike Sample:** 62.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	9640		5970		150	2448		P
Antimony	mg/Kg	75 - 125	21.9		3.76	U	58.4	38	N	P
Arsenic	mg/Kg	75 - 125	57.8		1.00	J	58.4	97		P
Barium	mg/Kg	75 - 125	23.7		5.38	J	14.6	126	N	P
Beryllium	mg/Kg	75 - 125	14.3		0.29	J	14.6	96		P
Cadmium	mg/Kg	75 - 125	15.0		0.19	J	14.6	102		P
Calcium	mg/Kg	75 - 125	868		427		73.0	604		P
Chromium	mg/Kg	75 - 125	41.4		8.68		29.2	112		P
Cobalt	mg/Kg	75 - 125	20.1		3.45		14.6	114		P
Copper	mg/Kg	75 - 125	31.2		6.86		21.9	111		P
Iron	mg/Kg	75 - 125	13600		9960		220	1676		P
Lead	mg/Kg	75 - 125	77.2		4.48		73.0	100		P
Magnesium	mg/Kg	75 - 125	2430		1580		150	565		P
Manganese	mg/Kg	75 - 125	98.2		65.9		14.6	221		P
Nickel	mg/Kg	75 - 125	49.4		8.35		36.5	113		P
Potassium	mg/Kg	75 - 125	1250		356		730	123		P
Selenium	mg/Kg	75 - 125	136		1.50	U	150	91		P
Silver	mg/Kg	75 - 125	5.46		0.75	U	5.5	99		P
Sodium	mg/Kg	75 - 125	789		357		220	196	N	P
Thallium	mg/Kg	75 - 125	136		3.00	U	150	91		P
Vanadium	mg/Kg	75 - 125	37.2		9.88		21.9	125		P
Zinc	mg/Kg	75 - 125	43.4		19.9		14.6	161	N	P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

Matrix: Solid **Level:** LOW **Client ID:** B-187-SB02A

Sample ID: Q2177-04 **Spiked ID:** Q2177-04A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	57.7		3.76	U	60.1	96		P
Barium	mg/Kg	75 - 125	19.7		5.38	J	15.0	95		P
Sodium	mg/Kg	75 - 125	565		357		230	91		P
Zinc	mg/Kg	75 - 125	34.6		19.9		15.0	98		P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: CDM Smith **Level:** LOW **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

Matrix: Solid **Sample ID:** Q2176-08 **Client ID:** TP-65DUP

Percent Solids for Sample: 87.3 **Duplicate ID** Q2176-08DUP **Percent Solids for Spike Sample:** 87.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.011	J	0.010	J	10		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.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

Matrix: Solid **Sample ID:** Q2176-08MS **Client ID:** TP-65MSD

Percent Solids for Sample: 87.3 **Duplicate ID** Q2176-08MSD **Percent Solids for Spike Sample:** 87.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.27		0.29		5		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.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

Matrix: Solid **Sample ID:** Q2177-04 **Client ID:** B-187-SB02DUP

Percent Solids for Sample: 62.8 **Duplicate ID** Q2177-04DUP **Percent Solids for Spike Sample:** 62.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	5970		5850		2		P
Antimony	mg/Kg	20	3.76	U	3.59	U			P
Arsenic	mg/Kg	20	1.00	J	0.84	J	18		P
Barium	mg/Kg	20	5.38	J	5.76	J	7		P
Beryllium	mg/Kg	20	0.29	J	0.29	J	2		P
Cadmium	mg/Kg	20	0.19	J	0.19	J	4		P
Calcium	mg/Kg	20	427		426		0		P
Chromium	mg/Kg	20	8.68		8.54		2		P
Cobalt	mg/Kg	20	3.45		3.40		1		P
Copper	mg/Kg	20	6.86		6.63		3		P
Iron	mg/Kg	20	9960		9540		4		P
Lead	mg/Kg	20	4.48		4.45		1		P
Magnesium	mg/Kg	20	1580		1560		1		P
Manganese	mg/Kg	20	65.9		64.5		2		P
Nickel	mg/Kg	20	8.35		8.09		3		P
Potassium	mg/Kg	20	356		357		0		P
Selenium	mg/Kg	20	1.50	U	1.43	U			P
Silver	mg/Kg	20	0.75	U	0.72	U			P
Sodium	mg/Kg	20	357		342		4		P
Thallium	mg/Kg	20	3.00	U	2.87	U			P
Vanadium	mg/Kg	20	9.88		9.91		0		P
Zinc	mg/Kg	20	19.9		19.3		3		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.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

Matrix: Solid **Sample ID:** Q2177-04MS **Client ID:** B-187-SB02MSD

Percent Solids for Sample: 62.8 **Duplicate ID** Q2177-04MSD **Percent Solids for Spike Sample:** 62.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	7400		9640		26	*	P
Antimony	mg/Kg	20	22.4		21.9		2		P
Arsenic	mg/Kg	20	53.0		57.8		9		P
Barium	mg/Kg	20	19.0		23.7		22	*	P
Beryllium	mg/Kg	20	13.9		14.3		3		P
Cadmium	mg/Kg	20	13.9		15.0		8		P
Calcium	mg/Kg	20	586		868		39	*	P
Chromium	mg/Kg	20	36.3		41.4		13		P
Cobalt	mg/Kg	20	17.8		20.1		12		P
Copper	mg/Kg	20	27.0		31.2		14		P
Iron	mg/Kg	20	10500		13600		26	*	P
Lead	mg/Kg	20	69.1		77.2		11		P
Magnesium	mg/Kg	20	1940		2430		22	*	P
Manganese	mg/Kg	20	82.6		98.2		17		P
Nickel	mg/Kg	20	43.6		49.4		12		P
Potassium	mg/Kg	20	979		1250		24	*	P
Selenium	mg/Kg	20	125		136		8		P
Silver	mg/Kg	20	4.82		5.46		12		P
Sodium	mg/Kg	20	572		789		32	*	P
Thallium	mg/Kg	20	125		136		8		P
Vanadium	mg/Kg	20	30.8		37.2		19		P
Zinc	mg/Kg	20	35.5		43.4		20		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.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168245BS							
Aluminum	mg/Kg	100	101		101	80 - 120	P
Antimony	mg/Kg	40.0	41.7		104	80 - 120	P
Arsenic	mg/Kg	40.0	41.4		104	80 - 120	P
Barium	mg/Kg	10.0	9.63		96	80 - 120	P
Beryllium	mg/Kg	10.0	11.0		110	80 - 120	P
Cadmium	mg/Kg	10.0	10.4		104	80 - 120	P
Calcium	mg/Kg	50.0	52.8	J	106	80 - 120	P
Chromium	mg/Kg	20.0	21.5		108	80 - 120	P
Cobalt	mg/Kg	10.0	10.5		105	80 - 120	P
Copper	mg/Kg	15.0	16.2		108	80 - 120	P
Iron	mg/Kg	150	149		99	80 - 120	P
Lead	mg/Kg	50.0	51.5		103	80 - 120	P
Magnesium	mg/Kg	100	101		101	80 - 120	P
Manganese	mg/Kg	10.0	10.4		104	80 - 120	P
Nickel	mg/Kg	25.0	26.3		105	80 - 120	P
Potassium	mg/Kg	500	454		91	80 - 120	P
Selenium	mg/Kg	100	105		105	80 - 120	P
Silver	mg/Kg	3.8	3.94		104	80 - 120	P
Sodium	mg/Kg	150	127		85	80 - 120	P
Thallium	mg/Kg	100	104		104	80 - 120	P
Vanadium	mg/Kg	15.0	15.4		103	80 - 120	P
Zinc	mg/Kg	10.0	10.9		109	80 - 120	P

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168249BS							
Mercury	mg/Kg	0.27	0.27		100	80 - 120	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

TP-65L

Lab Name: Chemtech Consulting Group **Contract:** CAMP02

Lab Code: CHEM **Lb No.:** lb135987 **Lab Sample ID :** Q2176-08L **SDG No.:** Q2176

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	0.011	J	0.072	U	100.0		CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

B-187-SB02L

Lab Name: Chemtech Consulting Group **Contract:** CAMP02

Lab Code: CHEM **Lb No.:** lb136097 **Lab Sample ID :** Q2177-04L **SDG No.:** Q2176

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	5970		5860		2		P
Antimony	3.76	U	18.8	U			P
Arsenic	1.00	J	1.52	J	51		P
Barium	5.38	J	37.6	U	100.0		P
Beryllium	0.29	J	0.28	J	5		P
Cadmium	0.19	J	2.25	U	100.0		P
Calcium	427		429	J	1		P
Chromium	8.68		8.81		2		P
Cobalt	3.45		3.39	J	2		P
Copper	6.86		6.98	J	2		P
Iron	9960		10400		4		P
Lead	4.48		4.59		2		P
Magnesium	1580		1570		0		P
Manganese	65.9		67.2		2		P
Nickel	8.35		8.04	J	4		P
Potassium	356		340	J	4		P
Selenium	1.50	U	7.51	U			P
Silver	0.75	U	3.76	U			P
Sodium	357		326	J	9		P
Thallium	3.00	U	15.0	U			P
Vanadium	9.88		9.71	J	2		P
Zinc	19.9		19.8		1		P

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metals
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ANALYSIS RUN LOG

Client: CDM Smith **Contract:** CAMP02

Lab code: CHEM **Case no.:** Q2176 **Sas no.:** Q2176 **Sdg no.:** Q2176

Instrument id number: **Method:** **Run number:** LB135987

Start date: 06/03/2025 **End date:** 06/03/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1229	HG
S0.2	S0.2	1	1231	HG
S2.5	S2.5	1	1233	HG
S5	S5	1	1236	HG
S7.5	S7.5	1	1238	HG
S10	S10	1	1240	HG
ICV25	ICV25	1	1243	HG
ICB25	ICB25	1	1246	HG
CCV90	CCV90	1	1248	HG
CCB90	CCB90	1	1250	HG
CRA	CRA	1	1252	HG
CCV91	CCV91	1	1320	HG
CCB91	CCB91	1	1322	HG
CCV92	CCV92	1	1348	HG
CCB92	CCB92	1	1351	HG
PB168249BL	PB168249BL	1	1353	HG
PB168249BS	PB168249BS	1	1355	HG
Q2176-01	TP-46	1	1400	HG
Q2176-02	TP-56	1	1402	HG
Q2176-03	TP-25	1	1404	HG
Q2176-04	TP-26	1	1407	HG
Q2176-05	TP-28	1	1409	HG
Q2176-06	TP-27	1	1411	HG
Q2176-07	TP-31	1	1413	HG
CCV93	CCV93	1	1416	HG
CCB93	CCB93	1	1418	HG
Q2176-08	TP-65	1	1425	HG
Q2176-08DUP	TP-65DUP	1	1427	HG
Q2176-08MS	TP-65MS	1	1430	HG
Q2176-08MSD	TP-65MSD	1	1432	HG
CCV94	CCV94	1	1448	HG
CCB94	CCB94	1	1451	HG
Q2176-08L	TP-65L	5	1457	HG
CCV95	CCV95	1	1502	HG
CCB95	CCB95	1	1504	HG

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ANALYSIS RUN LOG

Client: CDM Smith **Contract:** CAMP02

Lab code: CHEM **Case no.:** Q2176 **Sas no.:** Q2176 **Sdg no.:** Q2176

Instrument id number: **Method:** **Run number:** LB136097

Start date: 06/10/2025 **End date:** 06/11/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1401	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	1405	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	1409	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	1414	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	1418	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	1422	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	1437	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	1441	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	1445	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	1450	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	1454	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	1518	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	1530	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	1535	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	1628	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	1632	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	1736	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	1740	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1828	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	1832	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	1918	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	1922	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	2009	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	2014	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168245BL	PB168245BL	1	2035	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168245BS	PB168245BS	1	2039	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2176-01	TP-46	1	2043	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2176-02	TP-56	1	2047	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2176-03	TP-25	1	2051	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2176-04	TP-26	1	2055	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2176-05	TP-28	1	2100	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	2104	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	2108	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2176-06	TP-27	1	2112	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2176-07	TP-31	1	2116	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2176-08	TP-65	1	2132	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2177-04DUP	B-187-SB02DUP	1	2144	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2177-04L	B-187-SB02L	5	2148	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2177-04MS	B-187-SB02MS	1	2152	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2177-04MSD	B-187-SB02MSD	1	2156	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2177-04A	B-187-SB02A	1	2200	Ba,Na,Sb,Zn

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ANALYSIS RUN LOG

Client: CDM Smith **Contract:** CAMP02

Lab code: CHEM **Case no.:** Q2176 **Sas no.:** Q2176 **Sdg no.:** Q2176

Instrument id number: **Method:** **Run number:** LB136097

Start date: 06/10/2025 **End date:** 06/11/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCV08	CCV08	1	2204	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	2208	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	2256	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	2301	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	2357	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	0002	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV11	CCV11	1	0135	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB11	CCB11	1	0139	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV12	CCV12	1	0221	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB12	CCB12	1	0225	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.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

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.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

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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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

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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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

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
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2176 **SAS No.:** Q2176

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:	Q2176	**OrderDate:**	5/30/2025 4:04:00 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
Q2176-01	**TP-46**	**SOIL**			**05/28/25**			**05/30/25**
			Mercury	7471B		06/02/25	06/03/25	
			Metals ICP-TAL	6010D		06/02/25	06/10/25	
Q2176-02	**TP-56**	**SOIL**			**05/29/25**			**05/30/25**
			Mercury	7471B		06/02/25	06/03/25	
			Metals ICP-TAL	6010D		06/02/25	06/10/25	
Q2176-03	**TP-25**	**SOIL**			**05/29/25**			**05/30/25**
			Mercury	7471B		06/02/25	06/03/25	
			Metals ICP-TAL	6010D		06/02/25	06/10/25	
Q2176-04	**TP-26**	**SOIL**			**05/29/25**			**05/30/25**
			Mercury	7471B		06/02/25	06/03/25	
			Metals ICP-TAL	6010D		06/02/25	06/10/25	
Q2176-05	**TP-28**	**SOIL**			**05/29/25**			**05/30/25**
			Mercury	7471B		06/02/25	06/03/25	
			Metals ICP-TAL	6010D		06/02/25	06/10/25	
Q2176-06	**TP-27**	**SOIL**			**05/29/25**			**05/30/25**
			Mercury	7471B		06/02/25	06/03/25	
			Metals ICP-TAL	6010D		06/02/25	06/10/25	
Q2176-07	**TP-31**	**SOIL**			**05/29/25**			**05/30/25**
			Mercury	7471B		06/02/25	06/03/25	
			Metals ICP-TAL	6010D		06/02/25	06/10/25	
Q2176-08	**TP-65**	**SOIL**			**05/30/25**			**05/30/25**
			Mercury	7471B		06/02/25	06/03/25	
			Metals ICP-TAL	6010D		06/02/25	06/10/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Method:**

Case No.: Q2176 **SAS No.:** Q2176

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168245**						
PB168245BL	PB168245BL	MB	SOLID	06/02/2025	2.00	100.0	100.00
PB168245BS	PB168245BS	LCS	SOLID	06/02/2025	2.00	100.0	100.00
Q2176-01	TP-46	SAM	SOLID	06/02/2025	2.46	100.0	83.70
Q2176-02	TP-56	SAM	SOLID	06/02/2025	2.25	100.0	86.20
Q2176-03	TP-25	SAM	SOLID	06/02/2025	2.10	100.0	85.70
Q2176-04	TP-26	SAM	SOLID	06/02/2025	2.48	100.0	85.20
Q2176-05	TP-28	SAM	SOLID	06/02/2025	2.22	100.0	90.50
Q2176-06	TP-27	SAM	SOLID	06/02/2025	2.12	100.0	83.10
Q2176-07	TP-31	SAM	SOLID	06/02/2025	2.15	100.0	86.80
Q2176-08	TP-65	SAM	SOLID	06/02/2025	2.25	100.0	87.30
Q2177-04DUP	B-187-SB02DUP	DUP	SOLID	06/02/2025	2.22	100.0	62.80
Q2177-04MS	B-187-SB02MS	MS	SOLID	06/02/2025	2.34	100.0	62.80
Q2177-04MSD	B-187-SB02MSD	MSD	SOLID	06/02/2025	2.18	100.0	62.80

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Metals
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SAMPLE PREPARATION SUMMARY

Client: CDM Smith **SDG No.:** Q2176

Contract: CAMP02 **Lab Code:** CHEM **Method:**

Case No.: Q2176 **SAS No.:** Q2176

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168249**						
PB168249BL	PB168249BL	MB	SOLID	06/02/2025	0.55	35.0	100.00
PB168249BS	PB168249BS	LCS	SOLID	06/02/2025	0.52	35.0	100.00
Q2176-01	TP-46	SAM	SOLID	06/02/2025	0.59	35.0	83.70
Q2176-02	TP-56	SAM	SOLID	06/02/2025	0.52	35.0	86.20
Q2176-03	TP-25	SAM	SOLID	06/02/2025	0.54	35.0	85.70
Q2176-04	TP-26	SAM	SOLID	06/02/2025	0.54	35.0	85.20
Q2176-05	TP-28	SAM	SOLID	06/02/2025	0.55	35.0	90.50
Q2176-06	TP-27	SAM	SOLID	06/02/2025	0.54	35.0	83.10
Q2176-07	TP-31	SAM	SOLID	06/02/2025	0.52	35.0	86.80
Q2176-08	TP-65	SAM	SOLID	06/02/2025	0.56	35.0	87.30
Q2176-08DUP	TP-65DUP	DUP	SOLID	06/02/2025	0.58	35.0	87.30
Q2176-08MS	TP-65MS	MS	SOLID	06/02/2025	0.54	35.0	87.30
Q2176-08MSD	TP-65MSD	MSD	SOLID	06/02/2025	0.56	35.0	87.30

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135987

Review By	MOHAN	Review On	6/4/2025 5:35:54 PM
Supervise By	jaswal	Supervise On	6/4/2025 5:41:40 PM

STD. NAME	STD REF.#
ICAL Standard	MP85814,MP85815,MP85816,MP85817,MP85818,MP85819
ICV Standard	MP85820
CCV Standard	MP85822
ICSA Standard	
CRI Standard	MP85824
LCS Standard	
Chk Standard	MP85821,MP85823,MP85825,MP8596

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	06/03/25 12:29		MOHAN	OK
2	S0.2	S0.2	CAL2	06/03/25 12:31		MOHAN	OK
3	S2.5	S2.5	CAL3	06/03/25 12:33		MOHAN	OK
4	S5	S5	CAL4	06/03/25 12:36		MOHAN	OK
5	S7.5	S7.5	CAL5	06/03/25 12:38		MOHAN	OK
6	S10	S10	CAL6	06/03/25 12:40		MOHAN	OK
7	ICV25	ICV25	ICV	06/03/25 12:43		MOHAN	OK
8	ICB25	ICB25	ICB	06/03/25 12:46		MOHAN	OK
9	CCV90	CCV90	CCV	06/03/25 12:48		MOHAN	OK
10	CCB90	CCB90	CCB	06/03/25 12:50		MOHAN	OK
11	CRA	CRA	CRDL	06/03/25 12:52		MOHAN	OK
12	HighStd	HighStd	HIGH STD	06/03/25 12:55		MOHAN	OK
13	ChkStd	ChkStd	SAM	06/03/25 12:57		MOHAN	OK
14	PB168248BL	PB168248BL	MB	06/03/25 12:59		MOHAN	OK
15	PB168248BS	PB168248BS	LCS	06/03/25 13:04		MOHAN	OK
16	Q2152-01	OK-02-05292025	SAM	06/03/25 13:07		MOHAN	OK
17	Q2153-01	TR-04-0592025	SAM	06/03/25 13:09		MOHAN	OK
18	Q2159-01	TP05-MHO-WC	SAM	06/03/25 13:11		MOHAN	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135987

Review By	MOHAN	Review On	6/4/2025 5:35:54 PM
Supervise By	jaswal	Supervise On	6/4/2025 5:41:40 PM

STD. NAME	STD REF.#
ICAL Standard	MP85814,MP85815,MP85816,MP85817,MP85818,MP85819
ICV Standard	MP85820
CCV Standard	MP85822
ICSA Standard	
CRI Standard	MP85824
LCS Standard	
Chk Standard	MP85821,MP85823,MP85825,MP8596

19	Q2160-01	TP04-MHG-WC	SAM	06/03/25 13:13		MOHAN	OK
20	Q2160-01DUP	TP04-MHG-WCDUP	DUP	06/03/25 13:18		MOHAN	OK
21	CCV91	CCV91	CCV	06/03/25 13:20		MOHAN	OK
22	CCB91	CCB91	CCB	06/03/25 13:22		MOHAN	OK
23	Q2160-01MS	TP04-MHG-WCMS	MS	06/03/25 13:25		MOHAN	OK
24	Q2160-01MSD	TP04-MHG-WCMSD	MSD	06/03/25 13:27		MOHAN	OK
25	Q2160-05	TP05-MHH-WC	SAM	06/03/25 13:29		MOHAN	OK
26	Q2168-01	SAN-A1-A3	SAM	06/03/25 13:32		MOHAN	OK
27	Q2168-05	SAN-B1-B3	SAM	06/03/25 13:34		MOHAN	OK
28	Q2168-09	SAN-C1-C2	SAM	06/03/25 13:36	Hg High	MOHAN	Dilution
29	Q2172-01	TP06-MHQ	SAM	06/03/25 13:39		MOHAN	OK
30	Q2173-01	OR-400-CF-402B-CO	SAM	06/03/25 13:41		MOHAN	OK
31	Q2173-07	OR-400-CF-402B-CO	SAM	06/03/25 13:44		MOHAN	OK
32	Q2173-13	OR-400-CF-402B-CO	SAM	06/03/25 13:46		MOHAN	OK
33	CCV92	CCV92	CCV	06/03/25 13:48		MOHAN	OK
34	CCB92	CCB92	CCB	06/03/25 13:51		MOHAN	OK
35	PB168249BL	PB168249BL	MB	06/03/25 13:53		MOHAN	OK
36	PB168249BS	PB168249BS	LCS	06/03/25 13:55		MOHAN	OK
37	Q2175-02	52725	SAM	06/03/25 13:57	not present on log in page	MOHAN	Not Ok
38	Q2176-01	TP-46	SAM	06/03/25 14:00		MOHAN	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135987

Review By	MOHAN	Review On	6/4/2025 5:35:54 PM
Supervise By	jaswal	Supervise On	6/4/2025 5:41:40 PM

STD. NAME	STD REF.#
ICAL Standard	MP85814,MP85815,MP85816,MP85817,MP85818,MP85819
ICV Standard	MP85820
CCV Standard	MP85822
ICSA Standard	
CRI Standard	MP85824
LCS Standard	
Chk Standard	MP85821,MP85823,MP85825,MP8596

39	Q2176-02	TP-56	SAM	06/03/25 14:02		MOHAN	OK
40	Q2176-03	TP-25	SAM	06/03/25 14:04		MOHAN	OK
41	Q2176-04	TP-26	SAM	06/03/25 14:07		MOHAN	OK
42	Q2176-05	TP-28	SAM	06/03/25 14:09		MOHAN	OK
43	Q2176-06	TP-27	SAM	06/03/25 14:11		MOHAN	OK
44	Q2176-07	TP-31	SAM	06/03/25 14:13		MOHAN	OK
45	CCV93	CCV93	CCV	06/03/25 14:16		MOHAN	OK
46	CCB93	CCB93	CCB	06/03/25 14:18		MOHAN	OK
47	Q2176-08	TP-65	SAM	06/03/25 14:25		MOHAN	OK
48	Q2176-08DUP	TP-65DUP	DUP	06/03/25 14:27		MOHAN	OK
49	Q2176-08MS	TP-65MS	MS	06/03/25 14:30		MOHAN	OK
50	Q2176-08MSD	TP-65MSD	MSD	06/03/25 14:32		MOHAN	OK
51	Q2177-02	B-187-SB01	SAM	06/03/25 14:34		MOHAN	OK
52	Q2177-04	B-187-SB02	SAM	06/03/25 14:37		MOHAN	OK
53	Q2177-06	B-202-SB01	SAM	06/03/25 14:39		MOHAN	OK
54	Q2185-01	TP02-MHB-WC	SAM	06/03/25 14:41		MOHAN	OK
55	Q2185-05	TP01-MHA-WC	SAM	06/03/25 14:44		MOHAN	OK
56	Q2168-09DL	SAN-C1-C2DL	SAM	06/03/25 14:46	5X For HG	MOHAN	Confirms
57	CCV94	CCV94	CCV	06/03/25 14:48		MOHAN	OK
58	CCB94	CCB94	CCB	06/03/25 14:51		MOHAN	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135987

Review By	MOHAN	Review On	6/4/2025 5:35:54 PM
Supervise By	jaswal	Supervise On	6/4/2025 5:41:40 PM

STD. NAME	STD REF.#
ICAL Standard	MP85814,MP85815,MP85816,MP85817,MP85818,MP85819
ICV Standard	MP85820
CCV Standard	MP85822
ICSA Standard	
CRI Standard	MP85824
LCS Standard	
Chk Standard	MP85821,MP85823,MP85825,MP8596

59	Q2160-01L	TP04-MHG-WCL	SD	06/03/25 14:53		MOHAN	OK
60	Q2160-01A	TP04-MHG-WCA	PS	06/03/25 14:55		MOHAN	OK
61	Q2176-08L	TP-65L	SD	06/03/25 14:57		MOHAN	OK
62	Q2176-08A	TP-65A	PS	06/03/25 15:00		MOHAN	OK
63	CCV95	CCV95	CCV	06/03/25 15:02		MOHAN	OK
64	CCB95	CCB95	CCB	06/03/25 15:04		MOHAN	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136097

Review By	Janvi	Review On	6/11/2025 10:49:51 AM
Supervise By	jaswal	Supervise On	6/11/2025 2:45:55 PM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85934
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	06/10/25 14:01		Jaswal	OK
2	S1	S1	CAL2	06/10/25 14:05		Jaswal	OK
3	S2	S2	CAL3	06/10/25 14:09		Jaswal	OK
4	S3	S3	CAL4	06/10/25 14:14		Jaswal	OK
5	S4	S4	CAL5	06/10/25 14:18		Jaswal	OK
6	S5	S5	CAL6	06/10/25 14:22		Jaswal	OK
7	ICV01	ICV01	ICV	06/10/25 14:37		Jaswal	OK
8	LLICV01	LLICV01	LLICV	06/10/25 14:41		Jaswal	OK
9	ICB01	ICB01	ICB	06/10/25 14:45		Jaswal	OK
10	CRI01	CRI01	CRDL	06/10/25 14:50		Jaswal	OK
11	ICSA01	ICSA01	ICSA	06/10/25 14:54		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	06/10/25 15:18		Jaswal	OK
13	ICSADL	ICSADL	ICSA	06/10/25 15:22		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	06/10/25 15:26		Jaswal	OK
15	CCV01	CCV01	CCV	06/10/25 15:30		Jaswal	OK
16	CCB01	CCB01	CCB	06/10/25 15:35		Jaswal	OK
17	Q2242-04	TP09-MHJ	SAM	06/10/25 15:39		Jaswal	OK
18	Q2242-04DUP	TP09-MHJDUP	DUP	06/10/25 15:43		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136097

Review By	Janvi	Review On	6/11/2025 10:49:51 AM
Supervise By	jaswal	Supervise On	6/11/2025 2:45:55 PM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85934
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

19	Q2242-04L	TP09-MHJL	SD	06/10/25 15:48		Jaswal	OK
20	Q2242-04MS	TP09-MHJMS	MS	06/10/25 15:52		Jaswal	OK
21	Q2242-04MSD	TP09-MHJMSD	MSD	06/10/25 15:56		Jaswal	OK
22	Q2242-04A	TP09-MHJA	PS	06/10/25 16:00	0.1ML EACH M6004, M6013-10ML SAMPLE	Jaswal	OK
23	Q2197-01	DSN002	SAM	06/10/25 16:05		Jaswal	OK
24	Q2197-03	DSN001	SAM	06/10/25 16:15		Jaswal	OK
25	Q2197-05	DSN003	SAM	06/10/25 16:19		Jaswal	OK
26	Q2210-01	TW1	SAM	06/10/25 16:23		Jaswal	OK
27	CCV02	CCV02	CCV	06/10/25 16:28		Jaswal	OK
28	CCB02	CCB02	CCB	06/10/25 16:32		Jaswal	OK
29	Q2243-01	WATER-TREATMENT	SAM	06/10/25 16:37		Jaswal	OK
30	Q2241-01	TP-N	SAM	06/10/25 16:41		Jaswal	OK
31	Q2241-05	TP-S	SAM	06/10/25 16:45		Jaswal	OK
32	Q2248-01	TR-05-060525	SAM	06/10/25 16:49		Jaswal	OK
33	Q2197-05DUP	DSN003DUP	DUP	06/10/25 16:53		Jaswal	OK
34	Q2197-05L	DSN003L	SD	06/10/25 16:58		Jaswal	OK
35	Q2197-05MS	DSN003MS	MS	06/10/25 17:02		Jaswal	OK
36	Q2197-05MSD	DSN003MSD	MSD	06/10/25 17:06		Jaswal	OK
37	Q2197-05A	DSN003A	PS	06/10/25 17:28	0.1ML EACH M6004, M6013-10ML SAMPLE	Jaswal	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 # LB136097

Review By	Janvi	Review On	6/11/2025 10:49:51 AM
Supervise By	jaswal	Supervise On	6/11/2025 2:45:55 PM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85934
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

38	Q2137-05	MOO-25-0151	SAM	06/10/25 17:32		Jaswal	OK
39	CCV03	CCV03	CCV	06/10/25 17:36		Jaswal	OK
40	CCB03	CCB03	CCB	06/10/25 17:40		Jaswal	OK
41	Q2240-01	TP-3	SAM	06/10/25 17:45		Jaswal	OK
42	Q2240-05	TP-2	SAM	06/10/25 17:49		Jaswal	OK
43	Q2240-09	TP-1	SAM	06/10/25 17:53		Jaswal	OK
44	Q2244-01	TP03-MHC	SAM	06/10/25 17:58		Jaswal	OK
45	Q2242-01	TP09-MHJ	SAM	06/10/25 18:02		Jaswal	OK
46	Q2238-01DUP	0528DUP	DUP	06/10/25 18:06	RPD fail for more than 50% parameter	Jaswal	Not Ok
47	Q2238-01L	0528L	SD	06/10/25 18:11	RPD fail for more than 50% parameter	Jaswal	Not Ok
48	Q2238-01MS	0528MS	MS	06/10/25 18:15	RPD fail for more than 50% parameter	Jaswal	Not Ok
49	Q2238-01MSD	0528MSD	MSD	06/10/25 18:19	RPD fail for more than 50% parameter	Jaswal	Not Ok
50	Q2238-01A	0528A	PS	06/10/25 18:23	RPD fail for more than 50% parameter	Jaswal	Not Ok
51	CCV04	CCV04	CCV	06/10/25 18:28		Jaswal	OK
52	CCB04	CCB04	CCB	06/10/25 18:32		Jaswal	OK
53	PB168309BL	PB168309BL	MB	06/10/25 18:36		Jaswal	OK
54	PB168309BS	PB168309BS	LCS	06/10/25 18:40		Jaswal	OK
55	PB168284BL	PB168284BL	MB	06/10/25 18:44	NOT USE	Jaswal	Not Ok

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136097

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Supervise By	jaswal	Supervise On	6/11/2025 2:45:55 PM

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ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85934
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

56	PB168284BS	PB168284BS	LCS	06/10/25 18:49	NOT USE	Jaswal	Not Ok
57	PB168310BL	PB168310BL	MB	06/10/25 18:53		Jaswal	OK
58	PB168310BS	PB168310BS	LCS	06/10/25 18:57		Jaswal	OK
59	Q2246-01	BU-03-060525	SAM	06/10/25 19:01		Jaswal	OK
60	Q2259-03	OU4-PCS-TC-37-060	SAM	06/10/25 19:05		Jaswal	OK
61	Q2259-05	OU4-TS-29-060525	SAM	06/10/25 19:10		Jaswal	OK
62	Q2259-06	OU4-TS-30-060525	SAM	06/10/25 19:14		Jaswal	OK
63	CCV05	CCV05	CCV	06/10/25 19:18		Jaswal	OK
64	CCB05	CCB05	CCB	06/10/25 19:22		Jaswal	OK
65	Q2265-01	TP11-MHL-WC	SAM	06/10/25 19:27		Jaswal	OK
66	Q2266-01	WC-3	SAM	06/10/25 19:31		Jaswal	OK
67	Q2266-05	WC-5	SAM	06/10/25 19:35		Jaswal	OK
68	Q2260-01	TP10-MHG-WC	SAM	06/10/25 19:39		Jaswal	OK
69	Q2260-01DUP	TP10-MHG-WCDUP	DUP	06/10/25 19:44		Jaswal	OK
70	Q2260-01L	TP10-MHG-WCL	SD	06/10/25 19:48		Jaswal	OK
71	Q2260-01MS	TP10-MHG-WCMS	MS	06/10/25 19:52		Jaswal	OK
72	Q2260-01MSD	TP10-MHG-WCMSD	MSD	06/10/25 19:57		Jaswal	OK
73	Q2260-01A	TP10-MHG-WCA	PS	06/10/25 20:01	0.1ML EACH M6004, M6013-10ML SAMPLE	Jaswal	OK
74	PB168353BL	PB168353BL	MB	06/10/25 20:05		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136097

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Supervise By	jaswal	Supervise On	6/11/2025 2:45:55 PM

STD. NAME	STD REF.#
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ICV Standard	MP85934
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

75	CCV06	CCV06	CCV	06/10/25 20:09		Jaswal	OK
76	CCB06	CCB06	CCB	06/10/25 20:14		Jaswal	OK
77	PB168353BS	PB168353BS	LCS	06/10/25 20:22		Jaswal	OK
78	Q2259-01	OU4-PCS-TC-36-060	SAM	06/10/25 20:26		Jaswal	OK
79	Q2238-01	0528	SAM	06/10/25 20:30	RPD fail for more than 50% parameter	Jaswal	Not Ok
80	PB168245BL	PB168245BL	MB	06/10/25 20:35		Jaswal	OK
81	PB168245BS	PB168245BS	LCS	06/10/25 20:39		Jaswal	OK
82	Q2176-01	TP-46	SAM	06/10/25 20:43		Jaswal	OK
83	Q2176-02	TP-56	SAM	06/10/25 20:47		Jaswal	OK
84	Q2176-03	TP-25	SAM	06/10/25 20:51		Jaswal	OK
85	Q2176-04	TP-26	SAM	06/10/25 20:55		Jaswal	OK
86	Q2176-05	TP-28	SAM	06/10/25 21:00		Jaswal	OK
87	CCV07	CCV07	CCV	06/10/25 21:04		Jaswal	OK
88	CCB07	CCB07	CCB	06/10/25 21:08		Jaswal	OK
89	Q2176-06	TP-27	SAM	06/10/25 21:12		Jaswal	OK
90	Q2176-07	TP-31	SAM	06/10/25 21:16		Jaswal	OK
91	Q2176-08	TP-65	SAM	06/10/25 21:32		Jaswal	OK
92	Q2177-02	B-187-SB01	SAM	06/10/25 21:36		Jaswal	OK
93	Q2177-04	B-187-SB02	SAM	06/10/25 21:40		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136097

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Supervise By	jaswal	Supervise On	6/11/2025 2:45:55 PM

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ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85934
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

94	Q2177-04DUP	B-187-SB02DUP	DUP	06/10/25 21:44		Jaswal	OK
95	Q2177-04L	B-187-SB02L	SD	06/10/25 21:48		Jaswal	OK
96	Q2177-04MS	B-187-SB02MS	MS	06/10/25 21:52		Jaswal	OK
97	Q2177-04MSD	B-187-SB02MSD	MSD	06/10/25 21:56		Jaswal	OK
98	Q2177-04A	B-187-SB02A	PS	06/10/25 22:00	0.1ML EACH M6004, M6013-10ML SAMPLE	Jaswal	OK
99	CCV08	CCV08	CCV	06/10/25 22:04		Jaswal	OK
100	CCB08	CCB08	CCB	06/10/25 22:08		Jaswal	OK
101	Q2177-06	B-202-SB01	SAM	06/10/25 22:13		Jaswal	OK
102	PB168359BL	PB168359BL	MB	06/10/25 22:17		Jaswal	OK
103	PB168359BS	PB168359BS	LCS	06/10/25 22:21		Jaswal	OK
104	Q2244-04	TP03-MHC	SAM	06/10/25 22:25		Jaswal	OK
105	Q2260-04	TP10-MHG-WC	SAM	06/10/25 22:30		Jaswal	OK
106	Q2262-02	ARS20-0032	SAM	06/10/25 22:34		Jaswal	OK
107	Q2262-04	ARS20-0001	SAM	06/10/25 22:39		Jaswal	OK
108	Q2265-04	TP11-MHL-WC	SAM	06/10/25 22:43		Jaswal	OK
109	Q2266-04	WC-3	SAM	06/10/25 22:48		Jaswal	OK
110	Q2266-08	WC-5	SAM	06/10/25 22:52		Jaswal	OK
111	CCV09	CCV09	CCV	06/10/25 22:56		Jaswal	OK
112	CCB09	CCB09	CCB	06/10/25 23:01		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136097

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Supervise By	jaswal	Supervise On	6/11/2025 2:45:55 PM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85934
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

113	Q2266-08DUP	WC-5DUP	DUP	06/10/25 23:05		Jaswal	OK
114	Q2266-08L	WC-5L	SD	06/10/25 23:09		Jaswal	OK
115	Q2266-08MS	WC-5MS	MS	06/10/25 23:14		Jaswal	OK
116	Q2266-08MSD	WC-5MSD	MSD	06/10/25 23:18		Jaswal	OK
117	Q2266-08A	WC-5A	PS	06/10/25 23:32	0.1ML EACH M6004, M6013-10ML SAMPLE	Jaswal	OK
118	PB168333TB	PB168333TB	MB	06/10/25 23:36		Jaswal	OK
119	PB168384BL	PB168384BL	MB	06/10/25 23:41		Jaswal	OK
120	PB168384BS	PB168384BS	LCS	06/10/25 23:45		Jaswal	OK
121	Q2253-01	RW8-SP100-2025060	SAM	06/10/25 23:49		Jaswal	OK
122	Q2253-02	RW8-SP303-2025060	SAM	06/10/25 23:53		Jaswal	OK
123	CCV10	CCV10	CCV	06/10/25 23:57		Jaswal	OK
124	CCB10	CCB10	CCB	06/11/25 00:02		Jaswal	OK
125	Q2253-02DUP	RW8-SP303-2025060	DUP	06/11/25 00:06		Jaswal	OK
126	Q2253-02L	RW8-SP303-2025060	SD	06/11/25 00:10		Jaswal	OK
127	Q2253-02MS	RW8-SP303-2025060	MS	06/11/25 00:15		Jaswal	OK
128	Q2253-02MSD	RW8-SP303-2025060	MSD	06/11/25 00:19		Jaswal	OK
129	Q2253-02A	RW8-SP303-2025060	PS	06/11/25 01:01	0.1ML EACH M6004, M6013-10ML SAMPLE	Jaswal	OK
130	PB168385BL	PB168385BL	MB	06/11/25 01:05		Jaswal	OK
131	PB168385BS	PB168385BS	LCS	06/11/25 01:09		Jaswal	OK

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Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136097

Review By	Janvi	Review On	6/11/2025 10:49:51 AM
Supervise By	jaswal	Supervise On	6/11/2025 2:45:55 PM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85934
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

132	Q2271-01	TP12-MHK-WC	SAM	06/11/25 01:13		Jaswal	OK
133	Q2272-01	TP-6	SAM	06/11/25 01:17		Jaswal	OK
134	Q2273-01	WC-4	SAM	06/11/25 01:21		Jaswal	OK
135	CCV11	CCV11	CCV	06/11/25 01:35		Jaswal	OK
136	CCB11	CCB11	CCB	06/11/25 01:39		Jaswal	OK
137	Q2273-05	WC-6	SAM	06/11/25 01:44		Jaswal	OK
138	Q2274-01	TP-13-MHP-WC	SAM	06/11/25 01:48		Jaswal	OK
139	Q2274-01DUP	TP-13-MHP-WCDUP	DUP	06/11/25 01:52		Jaswal	OK
140	Q2274-01L	TP-13-MHP-WCL	SD	06/11/25 01:56		Jaswal	OK
141	Q2274-01MS	TP-13-MHP-WCMS	MS	06/11/25 02:01		Jaswal	OK
142	Q2274-01MSD	TP-13-MHP-WCMSD	MSD	06/11/25 02:05		Jaswal	OK
143	Q2274-01A	TP-13-MHP-WCA	PS	06/11/25 02:09	0.1ML EACH M6004, M6013-10ML SAMPLE	Jaswal	OK
144	CCV12	CCV12	CCV	06/11/25 02:21		Jaswal	OK
145	CCB12	CCB12	CCB	06/11/25 02:25		Jaswal	OK

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB168245

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: 06/02/2025 **Time :** 13:05 **Temp :** 96 °C

End Digest Date: 06/02/2025 **Time :** 15:15 **Temp :** 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #3

Dig Technician Signature: SLG.

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
06/2/25 16:15	SLG. met dig.	Metals Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB168245

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
PB168245BL	PBS245	N/A	2.00	100	Colorless	Colorless	Fine	N/A	N/A	1
PB168245BS	LCS245	N/A	2.00	100	Colorless	Colorless	Fine	N/A	M6007,M6016	2
Q2175-02	52725	N/A	2.24	100	Brown	Yellow	Medium	N/A	N/A	3
Q2176-01	TP-46	N/A	2.46	100	Brown	Yellow	Medium	N/A	N/A	4
Q2176-02	TP-56	N/A	2.25	100	Brown	Yellow	Medium	N/A	N/A	5
Q2176-03	TP-25	N/A	2.10	100	Brown	Yellow	Medium	N/A	N/A	6
Q2176-04	TP-26	N/A	2.48	100	Brown	Yellow	Medium	N/A	N/A	7
Q2176-05	TP-28	N/A	2.22	100	Brown	Yellow	Medium	N/A	N/A	8
Q2176-06	TP-27	N/A	2.12	100	Brown	Yellow	Medium	N/A	N/A	9
Q2176-07	TP-31	N/A	2.15	100	Brown	Yellow	Medium	N/A	N/A	10
Q2176-08	TP-65	N/A	2.25	100	Brown	Yellow	Medium	N/A	N/A	11
Q2177-02	B-187-SB01	N/A	2.27	100	Brown	Yellow	Medium	N/A	N/A	12
Q2177-04	B-187-SB02	N/A	2.12	100	Brown	Yellow	Medium	N/A	N/A	13
Q2177-04MS	B-187-SB02MS	N/A	2.34	100	Brown	Yellow	Medium	N/A	M6007,M6016	15
Q2177-04MSD	B-187-SB02MSD	N/A	2.18	100	Brown	Yellow	Medium	N/A	M6007,M6016	16
Q2177-04DUP	B-187-SB02DUP	N/A	2.22	100	Brown	Yellow	Medium	N/A	N/A	14
Q2177-06	B-202-SB01	N/A	2.15	100	Brown	Yellow	Medium	N/A	N/A	17

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB168249

SOP ID : M7471B-Mercury-18

SDG No : NA

Matrix : SOIL

Pippete ID: HG A

Balance ID : M SC-3

Filter paper ID : NA

pH Strip ID : NA

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 06/02/2025 **Time :** 08:35 **Temp :** 94 °C

End Digest Date: 06/02/2025 **Time :** 09:05 **Temp :** 94 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: MB

Supervisor Signature: 12

Temp : 1. 94°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP85820
CCV	30mL	MP85822
CRA	30mL	MP85824
Blank Spike	0.48mL	MP85813
Matrix Spike	0.48mL	MP85813

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5mL	MP85826
KMnO4 (5%)	4.5mL	MP85241
Hydroxylamine HCL (12%)	2.0mL	MP85243
PTFE Boiling Stones	----------	M5582
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP85814
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP85815
2.5 ppb	S2.5	30mL	MP85816
5.0 ppb	S5.0	30mL	MP85817
7.5 ppb	S7.5	30mL	MP85818
10.0 ppb	S10.0	30mL	MP85819
ICV	ICV	30mL	MP85820
ICB	ICB	30mL	MP85821
CCV	CCV	30mL	MP85822
CCB	CCB	30mL	MP85823
CRI	CRI	30mL	MP85824
CHK STD	CHK STD	30mL	MP85825

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/2/25 9:30	MB - HG - Lab	MB - General Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB168249

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
PB168249BL	PBS249	0.55	35	NA	N/A	N/A
PB168249BS	LCS249	0.52	35	NA	MP85813	N/A
Q2175-02	52725	0.58	35	NA	N/A	N/A
Q2176-01	TP-46	0.59	35	NA	N/A	N/A
Q2176-02	TP-56	0.52	35	NA	N/A	N/A
Q2176-03	TP-25	0.54	35	NA	N/A	N/A
Q2176-04	TP-26	0.54	35	NA	N/A	N/A
Q2176-05	TP-28	0.55	35	NA	N/A	N/A
Q2176-06	TP-27	0.54	35	NA	N/A	N/A
Q2176-07	TP-31	0.52	35	NA	N/A	N/A
Q2176-08	TP-65	0.56	35	NA	N/A	N/A
Q2176-08DUP	TP-65DUP	0.58	35	NA	N/A	N/A
Q2176-08MS	TP-65MS	0.54	35	NA	MP85813	N/A
Q2176-08MSD	TP-65MSD	0.56	35	NA	MP85813	N/A
Q2177-02	B-187-SB01	0.58	35	NA	N/A	N/A
Q2177-04	B-187-SB02	0.60	35	NA	N/A	N/A
Q2177-06	B-202-SB01	0.54	35	NA	N/A	N/A
Q2185-01	TP02-MHB-WC	0.52	35	NA	N/A	N/A
Q2185-05	TP01-MHB-WC	0.50	35	NA	N/A	N/A

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2176
COC Number 2047109

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: 7325904679 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: 7325904679 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: 7325904679

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-46	SOIL		X	5/28/25	1515	6	X	X	X	X	X	X	X			E
2.	TP-56	SOIL		X	5/29/25	0835	6	X	X	X	X	X	X	X			E
3.	TP-25	SOIL		X	5/29/25	0925	6	X	X	X	X	X	X	X			E
4.	TP-26	SOIL		X	5/29/25	1040	6	X	X	X	X	X	X	X			E
5.	TP-28	SOIL		X	5/29/25	1120	6	X	X	X	X	X	X	X			E
6.	TP-27	SOIL		X	5/29/25	1200	6	X	X	X	X	X	X	X			E
7.	TP-31	SOIL		X	5/29/25	1340	6	X	X	X	X	X	X	X			E
8.	TP-65	SOIL		X	5/30/25	1405	6	X	X	X	X	X	X	X			E
9.																	
10.																	

← 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.	5/30/25 1600	1. 1600 5.30.25
2.		2.
3.	5.30.25 1653	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
Comments: _____

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other _____

Shipment Complete ☐ YES ☐ NO

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

Laboratory Certification

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2176 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 5/30/2025 4:04:00 PM
Project Name : South River WM Replacem
Receive DateTime : 5/30/2025 ~~12:00:00~~ AM
Purchase Order : 10453

Project Mgr :
Report Type : ~~Level I~~ 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
Q2176-01	TP-46	Solid	05/28/2025	15:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2176-02	TP-56	Solid	05/29/2025	08:35					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2176-03	TP-25	Solid	05/29/2025	09:25					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2176-04	TP-26	Solid	05/29/2025	10:40					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2176-05	TP-28	Solid	05/29/2025	11:20					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2176-06	TP-27	Solid	05/29/2025	12:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2176-07	TP-31	Solid	05/29/2025	13:40					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2176-08	TP-65	Solid	05/30/2025	14:05					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2176 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 5/30/2025 4:04:00 PM
Project Name : South River WM Replacem
Receive DateTime : 5/30/2025 ~~12:00:00 AM~~ 16:53
Purchase Order :

Project Mgr :
Report Type : ~~Level I~~ 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		

Relinguished By : [signature]
Date / Time : 6/2/25 1125

Received By : JC
Date / Time : 6/2/25 1125
Storage Area : **VOA Refridgerator Room**