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 : Q1982

ATTENTION : Marcie Ann Encinas

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q1982

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number	Client Sample Number
Q1982-01	TP-1
Q1982-02	TP-2B
Q1982-03	TP-3
Q1982-04	TP-4
Q1982-05	TP-5
Q1982-06	TP-6
Q1982-07	TP-8
Q1982-08	TP-9

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 10:47 am, May 21, 2025

Date: 5/21/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

284 Sheffield Street, Mountainside, NJ 07092
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CASE NARRATIVE

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q1982
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
8 Solid samples were received on 05/07/2025.

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 Calibration curve and use %D calculated based on Amount added and Calculated amount

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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.

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CASE NARRATIVE

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q1982
Test Name: Gasoline Range Organics

A. Number of Samples and Date of Receipt:
8 Solid samples were received on 05/07/2025.

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

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

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

The Surrogate recoveries met the acceptable criteria except for TP-1 [Alpha,Alpha,Alpha-Trifluorotoluene - 38%] and TP-2B [Alpha,Alpha,Alpha-Trifluorotoluene - 31%] vial A analyzed but did not purged as a corrective action VIAL B analyzed but surrogate fail therefore VIAL B reported as final analysis.

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 .

Samples TP-8 was directly run in methanol as both low level soil vials did not purge.

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

F. Manual Integration Comments:

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Signature APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:48 am, May 21, 2025

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CASE NARRATIVE

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q1982
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
8 Solid samples were received on 05/07/2025.

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 df The samples were analyzed on instrument BNA_P using GC Column ZB-Semi Volatiles 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 {Q1982-03MS} with File ID: BF142366.D recoveries met the requirements for all compounds except for 4-Nitroaniline[133%], due to matrix interference. No corrective action is required.

The MSD {Q1982-03MSD} with File ID: BF142367.D recoveries met the acceptable requirements except for 4-Nitroaniline[128%], due to matrix interference. No corrective action is required.

The RPD met criteria
.
The Blank Spike for {PB167953BS} with File ID: BF142419.D met requirements for all samples except for 2,4-Dinitrotoluene[112%], 4-Nitroaniline[112%] and Pentachlorophenol[106%], The associate samples have no positive hit for these compounds therefore no corrective action was taken.

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The Blank Spike for {PB167973BS} with File ID: BP024636.D met requirements for all samples except for Pentachlorophenol[106%], The associate samples have no positive hit for these compounds therefore no 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-BF050525.M) for 2-Nitrophenol, 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, Butylbenzlphthalate, Bis(2-ethylhexyl)phthalate, Di-n-octyl phthalate these compound are passing on Linear Regression.

The % RSD is greater than 20% in the Initial Calibration (8270-BP051325.M) for 2,4-Dinitrophenol, 4-Nitrophenol these compound are passing on Linear Regression.

The Continuous Calibration File ID BF142360.D met the requirements except for 2,4-Dinitrophenol and 4-Nitrophenol, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Continuous Calibration File ID BF142393.D met the requirements except for 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Nitroaniline, 2-Nitrophenol, 3,3-Dichlorobenzidine, 3-Nitroaniline, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, 4-Nitrophenol, Di-n-octyl phthalate and Pentachlorophenol, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Continuous Calibration File ID BF142416.D met the requirements except for 2,4-Dinitrophenol,2,4-Dinitrotoluene,2,6-Dinitrotoluene,2-Nitroaniline,2-Nitrophenol,3,3-Dichlorobenzidine,3-Nitroaniline,4,6-Dinitro-2-methylphenol,4-Nitroaniline and Pentachlorophenol, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Tuning criteria met requirements.

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

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

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Signature_____ **APPROVED**
By Nimisha Pandya, QA/QC Supervisor at 10:48 am, May 21, 2025

284 Sheffield Street, Mountainside, NJ 07092
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CASE NARRATIVE

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q1982
Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:
8 Solid samples were received on 05/07/2025.

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

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

E. Additional Comments:
The Sample #TP-6 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

F. Manual Integration Comments:

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By Nimisha Pandya, QA/QC Supervisor at 10:49 am, May 21, 2025

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CASE NARRATIVE

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q1982
Test Name: PCB

A. Number of Samples and Date of Receipt:
8 Solid samples were received on 05/07/2025.

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 File ID PP072003.D met the requirements except for Decachlorobiphenyl is failing in 2nd column but it is passing in 1st column therefore no corrective action taken.

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

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F. Manual Integration Comments:

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By Nimisha Pandya, QA/QC Supervisor at 10:49 am, May 21, 2025

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

CASE NARRATIVE

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q1982
Test Name: Herbicide

A. Number of Samples and Date of Receipt:
8 Solid samples were received on 05/07/2025.

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 {Q1982-08MS} with File ID: PS030237.D recoveries met the requirements for all compounds except for [Dinoseb(1)- 7%],[Dinoseb(2)- 8%], due to matrix interference.

The MSD {Q1982-08MSD} with File ID: PS030238.D recoveries met the acceptable requirements except for [Dinoseb(1)- 0%],[Dinoseb(2)- 7%], due to matrix interference.

The RPD for {Q1982-08MSD} with File ID: PS030238.D met criteria except for [Dinoseb(1)- 200%], [Dinoseb(2)- 13%] due to difference in results of MS-MSD.

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

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

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

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CASE NARRATIVE

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q1982
Test Name: Diesel Range Organics

A. Number of Samples and Date of Receipt:
8 Solid samples were received on 05/07/2025.

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.

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F. Manual Integration Comments:

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CASE NARRATIVE

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q1982
Test Name: Mercury,Metals ICP-TAL

A. Number of Samples and Date of Receipt:
8 Solid samples were received on 05/07/2025.

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 analysis met criteria for all samples.
The Matrix Spike (TP-3MS) analysis met criteria for all samples except for Antimony, Arsenic, Beryllium, Calcium, Chromium, Copper, Potassium, Selenium, Silver, Sodium, Vanadium, Zinc due to matrix suppression effect on the added spike amount due to unknown chemical interference.
The Matrix Spike Duplicate (TP-3MSD) analysis met criteria for all samples except for Antimony, Arsenic, Beryllium, Calcium, Chromium, Copper, Magnesium, Potassium, Selenium, Silver, Sodium, Zinc due to matrix suppression effect on the added spike amount due to unknown chemical interference.

The Post Digest Spike (TP-3A) analysis met criteria for all samples except for Antimony, Arsenic, Beryllium, Calcium, Chromium, Copper, Magnesium, Potassium, Selenium, Silver, Sodium, Vanadium, Zinc due to unknown chemical interferences of matrix with the addition of spike amount after digestion and before analysis , matrix has suppression effect during addition of spike

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

The Serial Dilution (TP-3L) met criteria for all samples except for Aluminum, Iron due to unknown interference .

E. Additional Comments:

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Signature____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:49 am, May 21, 2025

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

DATA REPORTING QUALIFIERS- INORGANIC

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

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

Alliance TECHNICAL GROUP

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

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 #: Q1982

	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:** 05/21/2025

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Hit Summary Sheet
SW-846

SDG No.: Q1982

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration		C	MDL	RDL	Units
Client ID:	**TP-1**									
Q1982-01	TP-1	SOIL	Acetone		20.7			1.80	9.70	ug/Kg
Q1982-01	TP-1	SOIL	2-Butanone		2.50		J	2.50	9.70	ug/Kg
			Total Voc :			23.2				
			Total Concentration:			23.2				
Client ID:	**TP-2B**									
Q1982-02	TP-2B	SOIL	unknown2.489	*	3.10		J	0	0	ug/Kg
			Total Tics :			3.10				
			Total Concentration:			3.10				
Client ID:	**TP-3**									
Q1982-03	TP-3	SOIL	Acetone		3.30		J	2.20	11.6	ug/Kg
			Total Voc :			3.30				
Q1982-03	TP-3	SOIL	2-Chloroethanol	*	3.20		J	0	0	ug/Kg
			Total Tics :			3.20				
			Total Concentration:			6.50				
Client ID:	**TP-4**									
Q1982-04	TP-4	SOIL	Acetone		20.5			2.30	12.2	ug/Kg
			Total Voc :			20.5				
			Total Concentration:			20.5				
Client ID:	**TP-5**									
Q1982-05	TP-5	SOIL	Acetone		9.40		J	2.60	13.5	ug/Kg
			Total Voc :			9.40				
			Total Concentration:			9.40				
Client ID:	**TP-6**									
Q1982-06	TP-6	SOIL	Acetone		16.7		J	8.50	44.8	ug/Kg
			Total Voc :			16.7				
			Total Concentration:			16.7				
Client ID:	**TP-8**									
Q1982-07	TP-8	SOIL	unknown2.489	*	4.90		J	0	0	ug/Kg
			Total Tics :			4.90				
			Total Concentration:			4.90				

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-1	SDG No.:	Q1982
Lab Sample ID:	Q1982-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.9
Sample Wt/Vol:	15.93 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
VY022286.D	1		05/16/25 13:17	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.44	U	0.44	1.90	ug/Kg
74-87-3	Chloromethane	0.44	U	0.44	1.90	ug/Kg
75-01-4	Vinyl Chloride	0.31	U	0.31	1.90	ug/Kg
74-83-9	Bromomethane	0.42	U	0.42	1.90	ug/Kg
75-00-3	Chloroethane	0.49	U	0.49	1.90	ug/Kg
75-69-4	Trichlorofluoromethane	0.47	U	0.47	1.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.41	U	0.41	1.90	ug/Kg
75-35-4	1,1-Dichloroethene	0.39	U	0.39	1.90	ug/Kg
67-64-1	Acetone	20.7		1.80	9.70	ug/Kg
75-15-0	Carbon Disulfide	0.41	U	0.41	1.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.28	U	0.28	1.90	ug/Kg
79-20-9	Methyl Acetate	0.60	U	0.60	1.90	ug/Kg
75-09-2	Methylene Chloride	1.40	U	1.40	3.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.33	U	0.33	1.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.31	U	0.31	1.90	ug/Kg
110-82-7	Cyclohexane	0.31	U	0.31	1.90	ug/Kg
78-93-3	2-Butanone	2.50	J	2.50	9.70	ug/Kg
56-23-5	Carbon Tetrachloride	0.38	U	0.38	1.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.29	U	0.29	1.90	ug/Kg
74-97-5	Bromochloromethane	0.45	U	0.45	1.90	ug/Kg
67-66-3	Chloroform	0.33	U	0.33	1.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.36	U	0.36	1.90	ug/Kg
108-87-2	Methylcyclohexane	0.35	U	0.35	1.90	ug/Kg
71-43-2	Benzene	0.31	U	0.31	1.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.31	U	0.31	1.90	ug/Kg
79-01-6	Trichloroethene	0.31	U	0.31	1.90	ug/Kg
78-87-5	1,2-Dichloropropane	0.35	U	0.35	1.90	ug/Kg
75-27-4	Bromodichloromethane	0.30	U	0.30	1.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1.40	U	1.40	9.70	ug/Kg
108-88-3	Toluene	0.30	U	0.30	1.90	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-1	SDG No.:	Q1982
Lab Sample ID:	Q1982-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.9
Sample Wt/Vol:	15.93 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
VY022286.D	1		05/16/25 13:17	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.25	U	0.25	1.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.24	U	0.24	1.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.36	U	0.36	1.90	ug/Kg
591-78-6	2-Hexanone	1.40	U	1.40	9.70	ug/Kg
124-48-1	Dibromochloromethane	0.34	U	0.34	1.90	ug/Kg
106-93-4	1,2-Dibromoethane	0.34	U	0.34	1.90	ug/Kg
127-18-4	Tetrachloroethene	0.41	U	0.41	1.90	ug/Kg
108-90-7	Chlorobenzene	0.35	U	0.35	1.90	ug/Kg
100-41-4	Ethyl Benzene	0.26	U	0.26	1.90	ug/Kg
179601-23-1	m/p-Xylenes	0.48	U	0.48	3.90	ug/Kg
95-47-6	o-Xylene	0.32	U	0.32	1.90	ug/Kg
100-42-5	Styrene	0.28	U	0.28	1.90	ug/Kg
75-25-2	Bromoform	0.33	U	0.33	1.90	ug/Kg
98-82-8	Isopropylbenzene	0.30	U	0.30	1.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.47	U	0.47	1.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.66	U	0.66	1.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.61	U	0.61	1.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.56	U	0.56	1.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.71	U	0.71	1.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.20	U	1.20	1.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.20	U	1.20	1.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.0		63 - 155	120%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	49.6		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.7		38 - 136	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	280000	7.707			
540-36-3	1,4-Difluorobenzene	499000	8.61			
3114-55-4	Chlorobenzene-d5	413000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	154000	13.347			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-1	SDG No.:	Q1982
Lab Sample ID:	Q1982-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.9
Sample Wt/Vol:	15.93 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
VY022286.D	1		05/16/25 13:17	VY051625

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:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-2B	SDG No.:	Q1982
Lab Sample ID:	Q1982-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85
Sample Wt/Vol:	15.26 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
VY022287.D	1		05/16/25 13:41	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.44	U	0.44	1.90	ug/Kg
74-87-3	Chloromethane	0.44	U	0.44	1.90	ug/Kg
75-01-4	Vinyl Chloride	0.30	U	0.30	1.90	ug/Kg
74-83-9	Bromomethane	0.41	U	0.41	1.90	ug/Kg
75-00-3	Chloroethane	0.49	U	0.49	1.90	ug/Kg
75-69-4	Trichlorofluoromethane	0.47	U	0.47	1.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.41	U	0.41	1.90	ug/Kg
75-35-4	1,1-Dichloroethene	0.39	U	0.39	1.90	ug/Kg
67-64-1	Acetone	1.80	U	1.80	9.60	ug/Kg
75-15-0	Carbon Disulfide	0.41	U	0.41	1.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.28	U	0.28	1.90	ug/Kg
79-20-9	Methyl Acetate	0.59	U	0.59	1.90	ug/Kg
75-09-2	Methylene Chloride	1.40	U	1.40	3.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.33	U	0.33	1.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.31	U	0.31	1.90	ug/Kg
110-82-7	Cyclohexane	0.30	U	0.30	1.90	ug/Kg
78-93-3	2-Butanone	2.50	U	2.50	9.60	ug/Kg
56-23-5	Carbon Tetrachloride	0.37	U	0.37	1.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.29	U	0.29	1.90	ug/Kg
74-97-5	Bromochloromethane	0.44	U	0.44	1.90	ug/Kg
67-66-3	Chloroform	0.32	U	0.32	1.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.36	U	0.36	1.90	ug/Kg
108-87-2	Methylcyclohexane	0.35	U	0.35	1.90	ug/Kg
71-43-2	Benzene	0.30	U	0.30	1.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.30	U	0.30	1.90	ug/Kg
79-01-6	Trichloroethene	0.31	U	0.31	1.90	ug/Kg
78-87-5	1,2-Dichloropropane	0.35	U	0.35	1.90	ug/Kg
75-27-4	Bromodichloromethane	0.30	U	0.30	1.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1.40	U	1.40	9.60	ug/Kg
108-88-3	Toluene	0.30	U	0.30	1.90	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-2B	SDG No.:	Q1982
Lab Sample ID:	Q1982-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85
Sample Wt/Vol:	15.26 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
VY022287.D	1		05/16/25 13:41	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.25	U	0.25	1.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.24	U	0.24	1.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.35	U	0.35	1.90	ug/Kg
591-78-6	2-Hexanone	1.40	U	1.40	9.60	ug/Kg
124-48-1	Dibromochloromethane	0.34	U	0.34	1.90	ug/Kg
106-93-4	1,2-Dibromoethane	0.34	U	0.34	1.90	ug/Kg
127-18-4	Tetrachloroethene	0.40	U	0.40	1.90	ug/Kg
108-90-7	Chlorobenzene	0.35	U	0.35	1.90	ug/Kg
100-41-4	Ethyl Benzene	0.26	U	0.26	1.90	ug/Kg
179601-23-1	m/p-Xylenes	0.48	U	0.48	3.90	ug/Kg
95-47-6	o-Xylene	0.32	U	0.32	1.90	ug/Kg
100-42-5	Styrene	0.27	U	0.27	1.90	ug/Kg
75-25-2	Bromoform	0.33	U	0.33	1.90	ug/Kg
98-82-8	Isopropylbenzene	0.30	U	0.30	1.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.47	U	0.47	1.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.66	U	0.66	1.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.60	U	0.60	1.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.56	U	0.56	1.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.71	U	0.71	1.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.10	U	1.10	1.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.20	U	1.20	1.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.1		63 - 155	98%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	47.8		74 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.5		38 - 136	73%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	273000	7.707			
540-36-3	1,4-Difluorobenzene	474000	8.616			
3114-55-4	Chlorobenzene-d5	327000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	83000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-2B	SDG No.:	Q1982
Lab Sample ID:	Q1982-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85
Sample Wt/Vol:	15.26 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
VY022287.D	1		05/16/25 13:41	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown2.489	3.10	J		2.49	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:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-3	SDG No.:	Q1982
Lab Sample ID:	Q1982-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.7
Sample Wt/Vol:	11.87 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
VY022288.D	1		05/16/25 14:04	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.53	U	0.53	2.30	ug/Kg
74-87-3	Chloromethane	0.53	U	0.53	2.30	ug/Kg
75-01-4	Vinyl Chloride	0.37	U	0.37	2.30	ug/Kg
74-83-9	Bromomethane	0.50	U	0.50	2.30	ug/Kg
75-00-3	Chloroethane	0.59	U	0.59	2.30	ug/Kg
75-69-4	Trichlorofluoromethane	0.56	U	0.56	2.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.49	U	0.49	2.30	ug/Kg
75-35-4	1,1-Dichloroethene	0.46	U	0.46	2.30	ug/Kg
67-64-1	Acetone	3.30	J	2.20	11.6	ug/Kg
75-15-0	Carbon Disulfide	0.49	U	0.49	2.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.34	U	0.34	2.30	ug/Kg
79-20-9	Methyl Acetate	0.72	U	0.72	2.30	ug/Kg
75-09-2	Methylene Chloride	1.60	U	1.60	4.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.40	U	0.40	2.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.37	U	0.37	2.30	ug/Kg
110-82-7	Cyclohexane	0.37	U	0.37	2.30	ug/Kg
78-93-3	2-Butanone	3.00	U	3.00	11.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.45	U	0.45	2.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.35	U	0.35	2.30	ug/Kg
74-97-5	Bromochloromethane	0.53	U	0.53	2.30	ug/Kg
67-66-3	Chloroform	0.39	U	0.39	2.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.43	U	0.43	2.30	ug/Kg
108-87-2	Methylcyclohexane	0.42	U	0.42	2.30	ug/Kg
71-43-2	Benzene	0.37	U	0.37	2.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.37	U	0.37	2.30	ug/Kg
79-01-6	Trichloroethene	0.38	U	0.38	2.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.42	U	0.42	2.30	ug/Kg
75-27-4	Bromodichloromethane	0.36	U	0.36	2.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1.70	U	1.70	11.6	ug/Kg
108-88-3	Toluene	0.36	U	0.36	2.30	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-3	SDG No.:	Q1982
Lab Sample ID:	Q1982-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.7
Sample Wt/Vol:	11.87 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
VY022288.D	1		05/16/25 14:04	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.30	U	0.30	2.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.29	U	0.29	2.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.43	U	0.43	2.30	ug/Kg
591-78-6	2-Hexanone	1.70	U	1.70	11.6	ug/Kg
124-48-1	Dibromochloromethane	0.40	U	0.40	2.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.41	U	0.41	2.30	ug/Kg
127-18-4	Tetrachloroethene	0.49	U	0.49	2.30	ug/Kg
108-90-7	Chlorobenzene	0.42	U	0.42	2.30	ug/Kg
100-41-4	Ethyl Benzene	0.31	U	0.31	2.30	ug/Kg
179601-23-1	m/p-Xylenes	0.58	U	0.58	4.60	ug/Kg
95-47-6	o-Xylene	0.38	U	0.38	2.30	ug/Kg
100-42-5	Styrene	0.33	U	0.33	2.30	ug/Kg
75-25-2	Bromoform	0.40	U	0.40	2.30	ug/Kg
98-82-8	Isopropylbenzene	0.36	U	0.36	2.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.56	U	0.56	2.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.79	U	0.79	2.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.72	U	0.72	2.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.67	U	0.67	2.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.85	U	0.85	2.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.40	U	1.40	2.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.50	U	1.50	2.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.9		63 - 155	96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	48.2		74 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.3		38 - 136	79%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	273000	7.707			
540-36-3	1,4-Difluorobenzene	474000	8.616			
3114-55-4	Chlorobenzene-d5	344000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	98700	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-3	SDG No.:	Q1982
Lab Sample ID:	Q1982-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.7
Sample Wt/Vol:	11.87 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
VY022288.D	1		05/16/25 14:04	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000107-07-3	2-Chloroethanol	3.20	J		2.48	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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-4	SDG No.:	Q1982
Lab Sample ID:	Q1982-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.4
Sample Wt/Vol:	11.69 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
VY022272.D	1		05/15/25 18:19	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.56	U	0.56	2.40	ug/Kg
74-87-3	Chloromethane	0.56	U	0.56	2.40	ug/Kg
75-01-4	Vinyl Chloride	0.39	U	0.39	2.40	ug/Kg
74-83-9	Bromomethane	0.52	U	0.52	2.40	ug/Kg
75-00-3	Chloroethane	0.62	U	0.62	2.40	ug/Kg
75-69-4	Trichlorofluoromethane	0.59	U	0.59	2.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.52	U	0.52	2.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.49	U	0.49	2.40	ug/Kg
67-64-1	Acetone	20.5		2.30	12.2	ug/Kg
75-15-0	Carbon Disulfide	0.52	U	0.52	2.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.36	U	0.36	2.40	ug/Kg
79-20-9	Methyl Acetate	0.75	U	0.75	2.40	ug/Kg
75-09-2	Methylene Chloride	1.70	U	1.70	4.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.42	U	0.42	2.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.39	U	0.39	2.40	ug/Kg
110-82-7	Cyclohexane	0.39	U	0.39	2.40	ug/Kg
78-93-3	2-Butanone	3.20	U	3.20	12.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.47	U	0.47	2.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.37	U	0.37	2.40	ug/Kg
74-97-5	Bromochloromethane	0.56	U	0.56	2.40	ug/Kg
67-66-3	Chloroform	0.41	U	0.41	2.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.46	U	0.46	2.40	ug/Kg
108-87-2	Methylcyclohexane	0.45	U	0.45	2.40	ug/Kg
71-43-2	Benzene	0.39	U	0.39	2.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.39	U	0.39	2.40	ug/Kg
79-01-6	Trichloroethene	0.40	U	0.40	2.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.45	U	0.45	2.40	ug/Kg
75-27-4	Bromodichloromethane	0.38	U	0.38	2.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1.80	U	1.80	12.2	ug/Kg
108-88-3	Toluene	0.38	U	0.38	2.40	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-4	SDG No.:	Q1982
Lab Sample ID:	Q1982-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.4
Sample Wt/Vol:	11.69 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
VY022272.D	1		05/15/25 18:19	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.32	U	0.32	2.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.30	U	0.30	2.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.45	U	0.45	2.40	ug/Kg
591-78-6	2-Hexanone	1.80	U	1.80	12.2	ug/Kg
124-48-1	Dibromochloromethane	0.43	U	0.43	2.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.43	U	0.43	2.40	ug/Kg
127-18-4	Tetrachloroethene	0.51	U	0.51	2.40	ug/Kg
108-90-7	Chlorobenzene	0.45	U	0.45	2.40	ug/Kg
100-41-4	Ethyl Benzene	0.33	U	0.33	2.40	ug/Kg
179601-23-1	m/p-Xylenes	0.61	U	0.61	4.90	ug/Kg
95-47-6	o-Xylene	0.40	U	0.40	2.40	ug/Kg
100-42-5	Styrene	0.35	U	0.35	2.40	ug/Kg
75-25-2	Bromoform	0.42	U	0.42	2.40	ug/Kg
98-82-8	Isopropylbenzene	0.38	U	0.38	2.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.59	U	0.59	2.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.84	U	0.84	2.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.76	U	0.76	2.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.71	U	0.71	2.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.90	U	0.90	2.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.50	U	1.50	2.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.60	U	1.60	2.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.7		63 - 155	95%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		70 - 134	98%	SPK: 50
2037-26-5	Toluene-d8	48.2		74 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	35.7		38 - 136	71%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	303000	7.707			
540-36-3	1,4-Difluorobenzene	528000	8.609			
3114-55-4	Chlorobenzene-d5	395000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	124000	13.346			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-4	SDG No.:	Q1982
Lab Sample ID:	Q1982-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.4
Sample Wt/Vol:	11.69 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
VY022272.D	1		05/15/25 18:19	VY051525

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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-5	SDG No.:	Q1982
Lab Sample ID:	Q1982-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.9
Sample Wt/Vol:	10.32 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022273.D	1		05/15/25 18:43	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.61	U	0.61	2.70	ug/Kg
74-87-3	Chloromethane	0.61	U	0.61	2.70	ug/Kg
75-01-4	Vinyl Chloride	0.43	U	0.43	2.70	ug/Kg
74-83-9	Bromomethane	0.58	U	0.58	2.70	ug/Kg
75-00-3	Chloroethane	0.68	U	0.68	2.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.65	U	0.65	2.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.57	U	0.57	2.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.54	U	0.54	2.70	ug/Kg
67-64-1	Acetone	9.40	J	2.60	13.5	ug/Kg
75-15-0	Carbon Disulfide	0.57	U	0.57	2.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.39	U	0.39	2.70	ug/Kg
79-20-9	Methyl Acetate	0.83	U	0.83	2.70	ug/Kg
75-09-2	Methylene Chloride	1.90	U	1.90	5.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.46	U	0.46	2.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.43	U	0.43	2.70	ug/Kg
110-82-7	Cyclohexane	0.43	U	0.43	2.70	ug/Kg
78-93-3	2-Butanone	3.50	U	3.50	13.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.52	U	0.52	2.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.40	U	0.40	2.70	ug/Kg
74-97-5	Bromochloromethane	0.62	U	0.62	2.70	ug/Kg
67-66-3	Chloroform	0.45	U	0.45	2.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	2.70	ug/Kg
108-87-2	Methylcyclohexane	0.49	U	0.49	2.70	ug/Kg
71-43-2	Benzene	0.43	U	0.43	2.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.43	U	0.43	2.70	ug/Kg
79-01-6	Trichloroethene	0.44	U	0.44	2.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.49	U	0.49	2.70	ug/Kg
75-27-4	Bromodichloromethane	0.42	U	0.42	2.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1.90	U	1.90	13.5	ug/Kg
108-88-3	Toluene	0.42	U	0.42	2.70	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-5	SDG No.:	Q1982
Lab Sample ID:	Q1982-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.9
Sample Wt/Vol:	10.32 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022273.D	1		05/15/25 18:43	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.35	U	0.35	2.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.33	U	0.33	2.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	2.70	ug/Kg
591-78-6	2-Hexanone	2.00	U	2.00	13.5	ug/Kg
124-48-1	Dibromochloromethane	0.47	U	0.47	2.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.47	U	0.47	2.70	ug/Kg
127-18-4	Tetrachloroethene	0.57	U	0.57	2.70	ug/Kg
108-90-7	Chlorobenzene	0.49	U	0.49	2.70	ug/Kg
100-41-4	Ethyl Benzene	0.36	U	0.36	2.70	ug/Kg
179601-23-1	m/p-Xylenes	0.67	U	0.67	5.40	ug/Kg
95-47-6	o-Xylene	0.44	U	0.44	2.70	ug/Kg
100-42-5	Styrene	0.38	U	0.38	2.70	ug/Kg
75-25-2	Bromoform	0.46	U	0.46	2.70	ug/Kg
98-82-8	Isopropylbenzene	0.42	U	0.42	2.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.65	U	0.65	2.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.92	U	0.92	2.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	2.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.78	U	0.78	2.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.99	U	0.99	2.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.60	U	1.60	2.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.70	U	1.70	2.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.2		63 - 155	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	48.8		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.8		38 - 136	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	346000	7.707			
540-36-3	1,4-Difluorobenzene	610000	8.616			
3114-55-4	Chlorobenzene-d5	492000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	189000	13.346			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-5	SDG No.:	Q1982
Lab Sample ID:	Q1982-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.9
Sample Wt/Vol:	10.32 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022273.D	1		05/15/25 18:43	VY051525

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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-6	SDG No.:	Q1982
Lab Sample ID:	Q1982-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.2
Sample Wt/Vol:	3.24 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022274.D	1		05/15/25 19:06	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.00	U	2.00	9.00	ug/Kg
74-87-3	Chloromethane	2.00	U	2.00	9.00	ug/Kg
75-01-4	Vinyl Chloride	1.40	U	1.40	9.00	ug/Kg
74-83-9	Bromomethane	1.90	U	1.90	9.00	ug/Kg
75-00-3	Chloroethane	2.30	U	2.30	9.00	ug/Kg
75-69-4	Trichlorofluoromethane	2.20	U	2.20	9.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.90	U	1.90	9.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.80	U	1.80	9.00	ug/Kg
67-64-1	Acetone	16.7	J	8.50	44.8	ug/Kg
75-15-0	Carbon Disulfide	1.90	U	1.90	9.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.30	U	1.30	9.00	ug/Kg
79-20-9	Methyl Acetate	2.80	U	2.80	9.00	ug/Kg
75-09-2	Methylene Chloride	6.30	U	6.30	17.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.50	U	1.50	9.00	ug/Kg
75-34-3	1,1-Dichloroethane	1.40	U	1.40	9.00	ug/Kg
110-82-7	Cyclohexane	1.40	U	1.40	9.00	ug/Kg
78-93-3	2-Butanone	11.7	U	11.7	44.8	ug/Kg
56-23-5	Carbon Tetrachloride	1.70	U	1.70	9.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.30	U	1.30	9.00	ug/Kg
74-97-5	Bromochloromethane	2.10	U	2.10	9.00	ug/Kg
67-66-3	Chloroform	1.50	U	1.50	9.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.70	U	1.70	9.00	ug/Kg
108-87-2	Methylcyclohexane	1.60	U	1.60	9.00	ug/Kg
71-43-2	Benzene	1.40	U	1.40	9.00	ug/Kg
107-06-2	1,2-Dichloroethane	1.40	U	1.40	9.00	ug/Kg
79-01-6	Trichloroethene	1.50	U	1.50	9.00	ug/Kg
78-87-5	1,2-Dichloropropane	1.60	U	1.60	9.00	ug/Kg
75-27-4	Bromodichloromethane	1.40	U	1.40	9.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.40	U	6.40	44.8	ug/Kg
108-88-3	Toluene	1.40	U	1.40	9.00	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-6	SDG No.:	Q1982
Lab Sample ID:	Q1982-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.2
Sample Wt/Vol:	3.24 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022274.D	1		05/15/25 19:06	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.20	U	1.20	9.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.10	U	1.10	9.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.60	U	1.60	9.00	ug/Kg
591-78-6	2-Hexanone	6.60	U	6.60	44.8	ug/Kg
124-48-1	Dibromochloromethane	1.60	U	1.60	9.00	ug/Kg
106-93-4	1,2-Dibromoethane	1.60	U	1.60	9.00	ug/Kg
127-18-4	Tetrachloroethene	1.90	U	1.90	9.00	ug/Kg
108-90-7	Chlorobenzene	1.60	U	1.60	9.00	ug/Kg
100-41-4	Ethyl Benzene	1.20	U	1.20	9.00	ug/Kg
179601-23-1	m/p-Xylenes	2.20	U	2.20	17.9	ug/Kg
95-47-6	o-Xylene	1.50	U	1.50	9.00	ug/Kg
100-42-5	Styrene	1.30	U	1.30	9.00	ug/Kg
75-25-2	Bromoform	1.50	U	1.50	9.00	ug/Kg
98-82-8	Isopropylbenzene	1.40	U	1.40	9.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.20	U	2.20	9.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.10	U	3.10	9.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.80	U	2.80	9.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.60	U	2.60	9.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.30	U	3.30	9.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.30	U	5.30	9.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5.70	U	5.70	9.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.4		63 - 155	91%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	48.8		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.8		38 - 136	76%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	303000	7.707			
540-36-3	1,4-Difluorobenzene	529000	8.616			
3114-55-4	Chlorobenzene-d5	407000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	139000	13.346			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-6	SDG No.:	Q1982
Lab Sample ID:	Q1982-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.2
Sample Wt/Vol:	3.24 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022274.D	1		05/15/25 19:06	VY051525

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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-8	SDG No.:	Q1982
Lab Sample ID:	Q1982-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.7
Sample Wt/Vol:	7.11 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022289.D	1		05/16/25 14:28	VY051625

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	0.97	U	0.97	4.20	ug/Kg
67-66-3	Chloroform	0.71	U	0.71	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	0.66	U	0.66	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	21.0	ug/Kg
108-88-3	Toluene	0.66	U	0.66	4.20	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-8	SDG No.:	Q1982
Lab Sample ID:	Q1982-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.7
Sample Wt/Vol:	7.11 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022289.D	1		05/16/25 14:28	VY051625

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	0.66	U	0.66	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	45.5		63 - 155	91%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		70 - 134	97%	SPK: 50
2037-26-5	Toluene-d8	47.3		74 - 123	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.1		38 - 136	78%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	266000	7.707			
540-36-3	1,4-Difluorobenzene	468000	8.609			
3114-55-4	Chlorobenzene-d5	335000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	97100	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-8	SDG No.:	Q1982
Lab Sample ID:	Q1982-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.7
Sample Wt/Vol:	7.11 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022289.D	1		05/16/25 14:28	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown2.489	4.90	J		2.49	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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-9	SDG No.:	Q1982
Lab Sample ID:	Q1982-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.3
Sample Wt/Vol:	6.5 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
VY022290.D	1		05/16/25 14:51	VY051625

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	0.95	U	0.95	4.70	ug/Kg
67-64-1	Acetone	4.50	U	4.50	23.7	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	9.50	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	23.7	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	0.77	U	0.77	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	23.7	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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-9	SDG No.:	Q1982
Lab Sample ID:	Q1982-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.3
Sample Wt/Vol:	6.5 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
VY022290.D	1		05/16/25 14:51	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.62	U	0.62	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	23.7	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	9.50	ug/Kg
95-47-6	o-Xylene	0.78	U	0.78	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	47.3		63 - 155	95%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	47.4		74 - 123	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.2		38 - 136	72%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	264000	7.707			
540-36-3	1,4-Difluorobenzene	461000	8.61			
3114-55-4	Chlorobenzene-d5	322000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	80200	13.346			

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-9	SDG No.:	Q1982
Lab Sample ID:	Q1982-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.3
Sample Wt/Vol:	6.5 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
VY022290.D	1		05/16/25 14:51	VY051625

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.: Q1982

Client: CDM Smith

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1982-01	TP-1	1,2-Dichloroethane-d4	50	60.0	120	63	155
		Dibromofluoromethane	50	51.7	103	70	134
		Toluene-d8	50	49.6	99	74	123
		4-Bromofluorobenzene	50	42.7	85	38	136
Q1982-02	TP-2B	1,2-Dichloroethane-d4	50	49.1	98	63	155
		Dibromofluoromethane	50	50.3	101	70	134
		Toluene-d8	50	47.8	96	74	123
		4-Bromofluorobenzene	50	36.5	73	38	136
Q1982-03	TP-3	1,2-Dichloroethane-d4	50	47.9	96	63	155
		Dibromofluoromethane	50	49.7	99	70	134
		Toluene-d8	50	48.2	96	74	123
		4-Bromofluorobenzene	50	39.3	79	38	136
Q1982-04	TP-4	1,2-Dichloroethane-d4	50	47.7	95	63	155
		Dibromofluoromethane	50	49.0	98	70	134
		Toluene-d8	50	48.2	96	74	123
		4-Bromofluorobenzene	50	35.7	71	38	136
Q1982-05	TP-5	1,2-Dichloroethane-d4	50	49.2	98	63	155
		Dibromofluoromethane	50	49.3	99	70	134
		Toluene-d8	50	48.8	98	74	123
		4-Bromofluorobenzene	50	41.8	84	38	136
Q1982-06	TP-6	1,2-Dichloroethane-d4	50	45.4	91	63	155
		Dibromofluoromethane	50	49.6	99	70	134
		Toluene-d8	50	48.8	98	74	123
		4-Bromofluorobenzene	50	37.9	76	38	136
Q1982-07	TP-8	1,2-Dichloroethane-d4	50	45.5	91	63	155
		Dibromofluoromethane	50	48.5	97	70	134
		Toluene-d8	50	47.3	95	74	123
		4-Bromofluorobenzene	50	39.1	78	38	136
Q1982-08	TP-9	1,2-Dichloroethane-d4	50	47.3	95	63	155
		Dibromofluoromethane	50	50.0	100	70	134
		Toluene-d8	50	47.4	95	74	123
		4-Bromofluorobenzene	50	36.2	72	38	136
VY0515SBL01	VY0515SBL01	1,2-Dichloroethane-d4	50	42.8	86	63	155
		Dibromofluoromethane	50	48.3	97	70	134
		Toluene-d8	50	48.7	97	74	123
		4-Bromofluorobenzene	50	39.8	80	38	136
VY0515SBS01	VY0515SBS01	1,2-Dichloroethane-d4	50	51.2	102	63	155
		Dibromofluoromethane	50	51.1	102	70	134
		Toluene-d8	50	51.3	103	74	123
		4-Bromofluorobenzene	50	50.2	100	38	136
VY0515SBSD01	VY0515SBSD01	1,2-Dichloroethane-d4	50	51.9	104	63	155
		Dibromofluoromethane	50	51.4	103	70	134
		Toluene-d8	50	51.2	102	74	123
		4-Bromofluorobenzene	50	50.4	101	38	136
VY0516SBL01	VY0516SBL01	1,2-Dichloroethane-d4	50	43.9	88	63	155
		Dibromofluoromethane	50	48.0	96	70	134
		Toluene-d8	50	48.8	98	74	123
		4-Bromofluorobenzene	50	48.5	97	38	136
VY0516SBS01	VY0516SBS01	1,2-Dichloroethane-d4	50	51.1	102	63	155
		Dibromofluoromethane	50	50.8	102	70	134

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Surrogate Summary

SDG No.: Q1982

Client: CDM Smith

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VY0516SBS01	VY0516SBS01	Toluene-d8	50	50.9	102	74	123
		4-Bromofluorobenzene	50	49.4	99	38	136

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1982

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VY022262.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0515SBS01	Dichlorodifluoromethane	20	22.3	ug/Kg	112			64	136	
	Chloromethane	20	24.4	ug/Kg	122			70	130	
	Vinyl chloride	20	23.6	ug/Kg	118			72	129	
	Bromomethane	20	24.8	ug/Kg	124			58	141	
	Chloroethane	20	22.8	ug/Kg	114			69	130	
	Trichlorofluoromethane	20	22.9	ug/Kg	115			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.2	ug/Kg	106			81	123	
	1,1-Dichloroethene	20	21.4	ug/Kg	107			79	121	
	Acetone	100	100	ug/Kg	100			60	131	
	Carbon disulfide	20	21.4	ug/Kg	107			45	154	
	Methyl tert-butyl Ether	20	20.4	ug/Kg	102			77	129	
	Methyl Acetate	20	19.1	ug/Kg	96			69	149	
	Methylene Chloride	20	21.3	ug/Kg	106			56	174	
	trans-1,2-Dichloroethene	20	20.5	ug/Kg	103			80	123	
	1,1-Dichloroethane	20	20.7	ug/Kg	104			82	123	
	Cyclohexane	20	21.0	ug/Kg	105			76	122	
	2-Butanone	100	98.4	ug/Kg	98			69	131	
	Carbon Tetrachloride	20	20.4	ug/Kg	102			76	129	
	cis-1,2-Dichloroethene	20	20.9	ug/Kg	104			82	123	
	Bromochloromethane	20	20.9	ug/Kg	104			80	127	
	Chloroform	20	21.2	ug/Kg	106			82	125	
	1,1,1-Trichloroethane	20	21.1	ug/Kg	106			80	126	
	Methylcyclohexane	20	21.1	ug/Kg	106			77	123	
	Benzene	20	20.8	ug/Kg	104			84	121	
	1,2-Dichloroethane	20	20.4	ug/Kg	102			81	126	
	Trichloroethene	20	20.6	ug/Kg	103			83	122	
	1,2-Dichloropropane	20	20.4	ug/Kg	102			83	122	
	Bromodichloromethane	20	20.8	ug/Kg	104			82	123	
	4-Methyl-2-Pentanone	100	98.1	ug/Kg	98			70	135	
	Toluene	20	20.1	ug/Kg	101			83	122	
	t-1,3-Dichloropropene	20	19.9	ug/Kg	100			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	96.4	ug/Kg	96			66	138	
	Dibromochloromethane	20	20.7	ug/Kg	104			79	125	
	1,2-Dibromoethane	20	20.1	ug/Kg	101			80	125	
	Tetrachloroethene	20	19.9	ug/Kg	100			83	125	
	Chlorobenzene	20	20.3	ug/Kg	102			84	122	
	Ethyl Benzene	20	20.1	ug/Kg	101			82	124	
	m/p-Xylenes	40	39.8	ug/Kg	100			83	124	
	o-Xylene	20	19.9	ug/Kg	100			83	123	
	Styrene	20	19.8	ug/Kg	99			82	124	
	Bromoform	20	19.8	ug/Kg	99			75	127	
	Isopropylbenzene	20	20.2	ug/Kg	101			82	124	
	1,1,2,2-Tetrachloroethane	20	20.1	ug/Kg	101			77	127	
	1,3-Dichlorobenzene	20	19.6	ug/Kg	98			83	122	
	1,4-Dichlorobenzene	20	19.9	ug/Kg	100			84	121	
	1,2-Dichlorobenzene	20	19.7	ug/Kg	99			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1982

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VY022262.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0515SBS01	1,2-Dibromo-3-Chloropropane	20	20.7	ug/Kg	104			66	134	
	1,2,4-Trichlorobenzene	20	19.8	ug/Kg	99			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.: Q1982

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VY022263.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0515SBSD01	Dichlorodifluoromethane	20	21.3	ug/Kg	106	6		64	136	20
	Chloromethane	20	23.0	ug/Kg	115	6		70	130	20
	Vinyl chloride	20	22.8	ug/Kg	114	3		72	129	20
	Bromomethane	20	24.3	ug/Kg	121	2		58	141	20
	Chloroethane	20	22.4	ug/Kg	112	2		69	130	20
	Trichlorofluoromethane	20	22.1	ug/Kg	111	4		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	20.7	ug/Kg	104	2		81	123	20
	1,1-Dichloroethene	20	20.0	ug/Kg	100	7		79	121	20
	Acetone	100	100	ug/Kg	100	0		60	131	20
	Carbon disulfide	20	20.5	ug/Kg	103	4		45	154	20
	Methyl tert-butyl Ether	20	21.0	ug/Kg	105	3		77	129	20
	Methyl Acetate	20	21.3	ug/Kg	106	10		69	149	20
	Methylene Chloride	20	21.3	ug/Kg	106	0		56	174	20
	trans-1,2-Dichloroethene	20	20.7	ug/Kg	104	1		80	123	20
	1,1-Dichloroethane	20	20.3	ug/Kg	102	2		82	123	20
	Cyclohexane	20	19.9	ug/Kg	100	5		76	122	20
	2-Butanone	100	100	ug/Kg	100	2		69	131	20
	Carbon Tetrachloride	20	19.8	ug/Kg	99	3		76	129	20
	cis-1,2-Dichloroethene	20	20.1	ug/Kg	101	3		82	123	20
	Bromochloromethane	20	20.3	ug/Kg	102	2		80	127	20
	Chloroform	20	20.5	ug/Kg	103	3		82	125	20
	1,1,1-Trichloroethane	20	20.1	ug/Kg	101	5		80	126	20
	Methylcyclohexane	20	20.0	ug/Kg	100	6		77	123	20
	Benzene	20	20.0	ug/Kg	100	4		84	121	20
	1,2-Dichloroethane	20	20.4	ug/Kg	102	0		81	126	20
	Trichloroethene	20	19.8	ug/Kg	99	4		83	122	20
	1,2-Dichloropropane	20	19.9	ug/Kg	100	2		83	122	20
	Bromodichloromethane	20	20.3	ug/Kg	102	2		82	123	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	12		70	135	20
	Toluene	20	19.5	ug/Kg	98	3		83	122	20
	t-1,3-Dichloropropene	20	19.9	ug/Kg	100	0		78	124	20
	cis-1,3-Dichloropropene	20	19.9	ug/Kg	100	3		81	122	20
	1,1,2-Trichloroethane	20	20.6	ug/Kg	103	2		82	125	20
	2-Hexanone	100	100	ug/Kg	100	4		66	138	20
	Dibromochloromethane	20	20.4	ug/Kg	102	2		79	125	20
	1,2-Dibromoethane	20	20.5	ug/Kg	103	2		80	125	20
	Tetrachloroethene	20	19.9	ug/Kg	100	0		83	125	20
	Chlorobenzene	20	20.0	ug/Kg	100	2		84	122	20
	Ethyl Benzene	20	19.6	ug/Kg	98	3		82	124	20
	m/p-Xylenes	40	39.1	ug/Kg	98	2		83	124	20
	o-Xylene	20	19.7	ug/Kg	99	1		83	123	20
	Styrene	20	19.4	ug/Kg	97	2		82	124	20
	Bromoform	20	20.6	ug/Kg	103	4		75	127	20
	Isopropylbenzene	20	19.6	ug/Kg	98	3		82	124	20
	1,1,2,2-Tetrachloroethane	20	21.3	ug/Kg	106	5		77	127	20
	1,3-Dichlorobenzene	20	19.3	ug/Kg	97	1		83	122	20
	1,4-Dichlorobenzene	20	20.0	ug/Kg	100	0		84	121	20
	1,2-Dichlorobenzene	20	20.0	ug/Kg	100	1		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1982

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VY022263.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0515SBSD01	1,2-Dibromo-3-Chloropropane	20	21.4	ug/Kg	107	3		66	134	20
	1,2,4-Trichlorobenzene	20	20.6	ug/Kg	103	4		78	127	20
	1,2,3-Trichlorobenzene	20	21.0	ug/Kg	105	8		70	137	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1982

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VY022279.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0516SBS01	Dichlorodifluoromethane	20	21.1	ug/Kg	106			64	136	
	Chloromethane	20	24.4	ug/Kg	122			70	130	
	Vinyl chloride	20	24.1	ug/Kg	121			72	129	
	Bromomethane	20	26.5	ug/Kg	133			58	141	
	Chloroethane	20	24.7	ug/Kg	124			69	130	
	Trichlorofluoromethane	20	22.2	ug/Kg	111			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.0	ug/Kg	105			81	123	
	1,1-Dichloroethene	20	20.8	ug/Kg	104			79	121	
	Acetone	100	85.5	ug/Kg	86			60	131	
	Carbon disulfide	20	20.7	ug/Kg	104			45	154	
	Methyl tert-butyl Ether	20	20.3	ug/Kg	102			77	129	
	Methyl Acetate	20	19.8	ug/Kg	99			69	149	
	Methylene Chloride	20	20.0	ug/Kg	100			56	174	
	trans-1,2-Dichloroethene	20	20.5	ug/Kg	103			80	123	
	1,1-Dichloroethane	20	20.3	ug/Kg	102			82	123	
	Cyclohexane	20	19.8	ug/Kg	99			76	122	
	2-Butanone	100	91.5	ug/Kg	92			69	131	
	Carbon Tetrachloride	20	19.8	ug/Kg	99			76	129	
	cis-1,2-Dichloroethene	20	20.6	ug/Kg	103			82	123	
	Bromochloromethane	20	19.7	ug/Kg	99			80	127	
	Chloroform	20	20.9	ug/Kg	104			82	125	
	1,1,1-Trichloroethane	20	20.6	ug/Kg	103			80	126	
	Methylcyclohexane	20	19.6	ug/Kg	98			77	123	
	Benzene	20	20.1	ug/Kg	101			84	121	
	1,2-Dichloroethane	20	20.1	ug/Kg	101			81	126	
	Trichloroethene	20	20.4	ug/Kg	102			83	122	
	1,2-Dichloropropane	20	19.4	ug/Kg	97			83	122	
	Bromodichloromethane	20	20.2	ug/Kg	101			82	123	
	4-Methyl-2-Pentanone	100	90.9	ug/Kg	91			70	135	
	Toluene	20	19.5	ug/Kg	98			83	122	
	t-1,3-Dichloropropene	20	18.9	ug/Kg	95			78	124	
	cis-1,3-Dichloropropene	20	19.3	ug/Kg	97			81	122	
	1,1,2-Trichloroethane	20	19.7	ug/Kg	99			82	125	
	2-Hexanone	100	89.2	ug/Kg	89			66	138	
	Dibromochloromethane	20	19.6	ug/Kg	98			79	125	
	1,2-Dibromoethane	20	19.8	ug/Kg	99			80	125	
	Tetrachloroethene	20	19.8	ug/Kg	99			83	125	
	Chlorobenzene	20	19.7	ug/Kg	99			84	122	
	Ethyl Benzene	20	19.0	ug/Kg	95			82	124	
	m/p-Xylenes	40	38.4	ug/Kg	96			83	124	
	o-Xylene	20	19.4	ug/Kg	97			83	123	
	Styrene	20	18.9	ug/Kg	95			82	124	
	Bromoform	20	18.4	ug/Kg	92			75	127	
	Isopropylbenzene	20	19.3	ug/Kg	97			82	124	
	1,1,2,2-Tetrachloroethane	20	19.1	ug/Kg	96			77	127	
	1,3-Dichlorobenzene	20	18.4	ug/Kg	92			83	122	
	1,4-Dichlorobenzene	20	18.9	ug/Kg	95			84	121	
	1,2-Dichlorobenzene	20	19.1	ug/Kg	96			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1982

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VY022279.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0516SBS01	1,2-Dibromo-3-Chloropropane	20	19.0	ug/Kg	95			66	134	
	1,2,4-Trichlorobenzene	20	19.3	ug/Kg	97			78	127	
	1,2,3-Trichlorobenzene	20	18.7	ug/Kg	94			70	137	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0515SBL01

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

Lab File ID: VY022261.D Lab Sample ID: VY0515SBL01

Date Analyzed: 05/15/2025 Time Analyzed: 13:44

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
VY0515SBS01	VY0515SBS01	VY022262.D	05/15/2025
VY0515SBSD01	VY0515SBSD01	VY022263.D	05/15/2025
TP-4	Q1982-04	VY022272.D	05/15/2025
TP-5	Q1982-05	VY022273.D	05/15/2025
TP-6	Q1982-06	VY022274.D	05/15/2025

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0516SBL01

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

Lab File ID: VY022278.D Lab Sample ID: VY0516SBL01

Date Analyzed: 05/16/2025 Time Analyzed: 09:37

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
VY0516SBS01	VY0516SBS01	VY022279.D	05/16/2025
TP-1	Q1982-01	VY022286.D	05/16/2025
TP-2B	Q1982-02	VY022287.D	05/16/2025
TP-3	Q1982-03	VY022288.D	05/16/2025
TP-8	Q1982-07	VY022289.D	05/16/2025
TP-9	Q1982-08	VY022290.D	05/16/2025

COMMENTS:

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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

Lab File ID: VY022252.D BFB Injection Date: 05/15/2025

Instrument ID: MSVOA_Y BFB Injection Time: 07:52

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24
75	30.0 - 60.0% of mass 95	55.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	80.5
175	5.0 - 9.0% of mass 174	5.9 (7.3) 1
176	95.0 - 101.0% of mass 174	77.5 (96.3) 1
177	5.0 - 9.0% of mass 176	5.3 (6.8) 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	VY022253.D	05/15/2025	09:46
VSTDICC010	VSTDICC010	VY022254.D	05/15/2025	10:16
VSTDICC020	VSTDICC020	VY022255.D	05/15/2025	10:39
VSTDICCC050	VSTDICCC050	VY022256.D	05/15/2025	11:02
VSTDICC100	VSTDICC100	VY022257.D	05/15/2025	11:24
VSTDICC150	VSTDICC150	VY022258.D	05/15/2025	11:47
VY0515SBL01	VY0515SBL01	VY022261.D	05/15/2025	13:44
VY0515SBS01	VY0515SBS01	VY022262.D	05/15/2025	14:07
VY0515SBSD01	VY0515SBSD01	VY022263.D	05/15/2025	14:29
TP-4	Q1982-04	VY022272.D	05/15/2025	18:19
TP-5	Q1982-05	VY022273.D	05/15/2025	18:43
TP-6	Q1982-06	VY022274.D	05/15/2025	19:06

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

Lab File ID: VY022276.D BFB Injection Date: 05/16/2025

Instrument ID: MSVOA_Y BFB Injection Time: 07:54

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.1
75	30.0 - 60.0% of mass 95	58.3
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	0.9 (1) 1
174	50.0 - 100.0% of mass 95	83.3
175	5.0 - 9.0% of mass 174	6.2 (7.4) 1
176	95.0 - 101.0% of mass 174	81.9 (98.3) 1
177	5.0 - 9.0% of mass 176	5.6 (6.9) 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	VY022277.D	05/16/2025	08:24
VY0516SBL01	VY0516SBL01	VY022278.D	05/16/2025	09:37
VY0516SBS01	VY0516SBS01	VY022279.D	05/16/2025	10:09
TP-1	Q1982-01	VY022286.D	05/16/2025	13:17
TP-2B	Q1982-02	VY022287.D	05/16/2025	13:41
TP-3	Q1982-03	VY022288.D	05/16/2025	14:04
TP-8	Q1982-07	VY022289.D	05/16/2025	14:28
TP-9	Q1982-08	VY022290.D	05/16/2025	14:51

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

Lab File ID: VY022256.D Date Analyzed: 05/15/2025

Instrument ID: MSVOA_Y Time Analyzed: 11:02

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	267598	7.71	439323	8.62	377571	11.41
UPPER LIMIT	535196	8.207	878646	9.116	755142	11.914
LOWER LIMIT	133799	7.207	219662	8.116	188786	10.914
EPA SAMPLE NO.						
TP-4	303248	7.71	528458	8.61	395320	11.41
TP-5	345998	7.71	610490	8.62	492184	11.41
TP-6	302935	7.71	529384	8.62	407189	11.41
VY0515SBL01	357935	7.71	617938	8.62	477752	11.41
VY0515SBS01	240556	7.71	405751	8.62	344872	11.41
VY0515SBSD01	238919	7.71	402031	8.62	341987	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.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

Lab File ID: VY022256.D Date Analyzed: 05/15/2025

Instrument ID: MSVOA_Y Time Analyzed: 11:02

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

	IS4 AREA #	RT #				
12 HOUR STD	180358	13.346				
UPPER LIMIT	360716	13.846				
LOWER LIMIT	90179	12.846				
EPA SAMPLE NO.						
TP-4	123883	13.35				
TP-5	188552	13.35				
TP-6	138768	13.35				
VY0515SBL01	173912	13.35				
VY0515SBS01	163448	13.35				
VY0515SBSD01	161126	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

Lab File ID: VY022277.D Date Analyzed: 05/16/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:24

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	212993	7.71	356583	8.62	305829	11.42
UPPER LIMIT	425986	8.207	713166	9.115	611658	11.92
LOWER LIMIT	106497	7.207	178292	8.115	152915	10.92
EPA SAMPLE NO.						
TP-1	279736	7.71	499229	8.61	412738	11.41
TP-2B	272623	7.71	473712	8.62	327253	11.41
TP-3	273129	7.71	474491	8.62	343745	11.41
TP-8	265944	7.71	467527	8.61	335264	11.41
TP-9	263964	7.71	460977	8.61	322155	11.41
VY0516SBL01	314347	7.71	555500	8.62	426459	11.42
VY0516SBS01	205076	7.71	351708	8.62	300126	11.42

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

Lab File ID: VY022277.D Date Analyzed: 05/16/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:24

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

	IS4 AREA #	RT #				
12 HOUR STD	144477	13.346				
UPPER LIMIT	288954	13.846				
LOWER LIMIT	72238.5	12.846				
EPA SAMPLE NO.						
TP-1	154433	13.35				
TP-2B	82963	13.35				
TP-3	98736	13.35				
TP-8	97059	13.35				
TP-9	80191	13.35				
VY0516SBL01	151389	13.35				
VY0516SBS01	141210	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0515SBL01	SDG No.:	Q1982
Lab Sample ID:	VY0515SBL01	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
VY022261.D	1		05/15/25 13:44	VY051525

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0515SBL01	SDG No.:	Q1982
Lab Sample ID:	VY0515SBL01	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
VY022261.D	1		05/15/25 13:44	VY051525

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	42.8		63 - 155	86%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		70 - 134	97%	SPK: 50
2037-26-5	Toluene-d8	48.7		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.8		38 - 136	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	358000	7.707			
540-36-3	1,4-Difluorobenzene	618000	8.616			
3114-55-4	Chlorobenzene-d5	478000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	174000	13.347			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0515SBL01	SDG No.:	Q1982
Lab Sample ID:	VY0515SBL01	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
VY022261.D	1		05/15/25 13:44	VY051525

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:	VY0516SBL01	SDG No.:	Q1982
Lab Sample ID:	VY0516SBL01	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
VY022278.D	1		05/16/25 09:37	VY051625

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:	VY0516SBL01	SDG No.:	Q1982
Lab Sample ID:	VY0516SBL01	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
VY022278.D	1		05/16/25 09:37	VY051625

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	43.9		63 - 155	88%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	48.8		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		38 - 136	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	314000	7.707			
540-36-3	1,4-Difluorobenzene	556000	8.616			
3114-55-4	Chlorobenzene-d5	426000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	151000	13.347			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0516SBL01	SDG No.:	Q1982
Lab Sample ID:	VY0516SBL01	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
VY022278.D	1		05/16/25 09:37	VY051625

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:	VY0515SBS01	SDG No.:	Q1982
Lab Sample ID:	VY0515SBS01	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
VY022262.D	1		05/15/25 14:07	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	22.3		1.10	5.00	ug/Kg
74-87-3	Chloromethane	24.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	23.6		0.79	5.00	ug/Kg
74-83-9	Bromomethane	24.8		1.10	5.00	ug/Kg
75-00-3	Chloroethane	22.8		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	22.9		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	21.4		1.00	5.00	ug/Kg
67-64-1	Acetone	100		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.4		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.4		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	19.1		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	21.3		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.5		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.7		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	21.0		0.79	5.00	ug/Kg
78-93-3	2-Butanone	98.4		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.4		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.9		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.9		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.2		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.1		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	21.1		0.91	5.00	ug/Kg
71-43-2	Benzene	20.8		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.4		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.6		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.4		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	98.1		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:	VY0515SBS01	SDG No.:	Q1982
Lab Sample ID:	VY0515SBS01	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
VY022262.D	1		05/15/25 14:07	VY051525

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	20.6		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	96.4		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.7		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.1		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.9		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.3		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.1		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.8		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.9		0.82	5.00	ug/Kg
100-42-5	Styrene	19.8		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.8		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.2		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.1		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.6		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.9		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.7		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.7		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.8		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.4		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.2		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	51.3		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		38 - 136	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	241000	7.707			
540-36-3	1,4-Difluorobenzene	406000	8.616			
3114-55-4	Chlorobenzene-d5	345000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	163000	13.346			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0515SBS01	SDG No.:	Q1982
Lab Sample ID:	VY0515SBS01	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
VY022262.D	1		05/15/25 14:07	VY051525

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:	VY0516SBS01	SDG No.:	Q1982
Lab Sample ID:	VY0516SBS01	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
VY022279.D	1		05/16/25 10:09	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.1		1.10	5.00	ug/Kg
74-87-3	Chloromethane	24.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	24.1		0.79	5.00	ug/Kg
74-83-9	Bromomethane	26.5		1.10	5.00	ug/Kg
75-00-3	Chloroethane	24.7		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	21.0		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.8		1.00	5.00	ug/Kg
67-64-1	Acetone	85.5		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.7		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	19.8		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	20.0		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.5		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.3		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.8		0.79	5.00	ug/Kg
78-93-3	2-Butanone	91.5		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.8		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.6		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.7		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.9		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.6		0.91	5.00	ug/Kg
71-43-2	Benzene	20.1		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.1		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.4		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.4		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.2		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	90.9		3.60	25.0	ug/Kg
108-88-3	Toluene	19.5		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:	VY0516SBS01	SDG No.:	Q1982
Lab Sample ID:	VY0516SBS01	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
VY022279.D	1		05/16/25 10:09	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	18.9		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.3		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.7		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	89.2		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.6		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.8		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.8		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.7		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.0		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.4		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.4		0.82	5.00	ug/Kg
100-42-5	Styrene	18.9		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.4		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.3		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.1		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	18.4		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	18.9		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.1		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.0		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.3		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.7		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	50.9		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		38 - 136	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	205000	7.707			
540-36-3	1,4-Difluorobenzene	352000	8.616			
3114-55-4	Chlorobenzene-d5	300000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.346			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0516SBS01	SDG No.:	Q1982
Lab Sample ID:	VY0516SBS01	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
VY022279.D	1		05/16/25 10:09	VY051625

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:	VY0515SBSD01	SDG No.:	Q1982
Lab Sample ID:	VY0515SBSD01	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
VY022263.D	1		05/15/25 14:29	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.3		1.10	5.00	ug/Kg
74-87-3	Chloromethane	23.0		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	22.8		0.79	5.00	ug/Kg
74-83-9	Bromomethane	24.3		1.10	5.00	ug/Kg
75-00-3	Chloroethane	22.4		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	22.1		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.7		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.0		1.00	5.00	ug/Kg
67-64-1	Acetone	100		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.5		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.0		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	21.3		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	21.3		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.7		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.3		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.9		0.79	5.00	ug/Kg
78-93-3	2-Butanone	100		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.8		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.1		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.3		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.5		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.1		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.0		0.91	5.00	ug/Kg
71-43-2	Benzene	20.0		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.4		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	19.8		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.9		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.3		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		3.60	25.0	ug/Kg
108-88-3	Toluene	19.5		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:	VY0515SBSD01	SDG No.:	Q1982
Lab Sample ID:	VY0515SBSD01	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
VY022263.D	1		05/15/25 14:29	VY051525

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	19.9		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	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.4		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.5		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.9		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.0		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.6		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.1		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.7		0.82	5.00	ug/Kg
100-42-5	Styrene	19.4		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.6		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.6		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.3		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.3		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	20.0		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.4		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.6		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	21.0		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.9		63 - 155	104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	51.2		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		38 - 136	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	239000	7.707			
540-36-3	1,4-Difluorobenzene	402000	8.616			
3114-55-4	Chlorobenzene-d5	342000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	161000	13.346			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0515SBSD01	SDG No.:	Q1982
Lab Sample ID:	VY0515SBSD01	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
VY022263.D	1		05/15/25 14:29	VY051525

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG No.: Q1982

Instrument ID: MSVOA_Y Calibration Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:46 11:47

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

LAB FILE ID: RRF005 = VY022253.D RRF010 = VY022254.D RRF020 = VY022255.D
RRF050 = VY022256.D RRF100 = VY022257.D RRF150 = VY022258.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.546	0.587	0.541	0.507	0.470	0.479	0.522	8.5
Chloromethane	1.212	1.237	1.153	1.042	1.046	0.894	1.097	11.7
Vinyl Chloride	1.265	1.317	1.264	1.210	1.190	1.110	1.226	5.9
Bromomethane	1.107	1.033	1.058	0.877	0.955	0.959	0.998	8.3
Chloroethane	0.751	0.814	0.796	0.756	0.733	0.727	0.763	4.6
Trichlorofluoromethane	1.254	1.292	1.260	1.214	1.211	1.217	1.241	2.6
1,1,2-Trichlorotrifluoroethane	0.548	0.577	0.544	0.538	0.507	0.520	0.539	4.5
1,1-Dichloroethene	0.545	0.544	0.540	0.539	0.518	0.523	0.535	2.2
Acetone	0.126	0.114	0.096	0.093	0.094	0.092	0.102	13.6
Carbon Disulfide	1.768	1.822	1.764	1.753	1.679	1.679	1.744	3.2
Methyl tert-butyl Ether	1.463	1.523	1.393	1.459	1.504	1.507	1.475	3.2
Methyl Acetate	0.349	0.308	0.286	0.302	0.346	0.347	0.323	8.6
Methylene Chloride	0.797	0.811	0.646	0.597	0.570	0.552	0.662	17.3
trans-1,2-Dichloroethene	0.577	0.609	0.603	0.592	0.580	0.581	0.590	2.2
1,1-Dichloroethane	1.112	1.136	1.099	1.117	1.093	1.082	1.106	1.7
Cyclohexane	1.300	1.191	1.077	1.055	0.998	1.011	1.105	10.6
2-Butanone	0.180	0.181	0.158	0.161	0.174	0.174	0.171	5.6
Carbon Tetrachloride	0.485	0.524	0.494	0.516	0.509	0.524	0.509	3.2
cis-1,2-Dichloroethene	0.662	0.687	0.668	0.691	0.687	0.693	0.681	1.9
Bromochloromethane	0.463	0.484	0.467	0.473	0.469	0.476	0.472	1.6
Chloroform	1.032	1.079	1.067	1.079	1.054	1.057	1.061	1.7
1,1,1-Trichloroethane	1.007	0.997	0.960	0.969	0.944	0.964	0.974	2.4
Methylcyclohexane	0.664	0.678	0.645	0.670	0.639	0.667	0.660	2.3
Benzene	1.369	1.462	1.435	1.499	1.482	1.496	1.457	3.4
1,2-Dichloroethane	0.381	0.399	0.378	0.402	0.403	0.402	0.394	2.9
Trichloroethene	0.358	0.366	0.361	0.371	0.356	0.363	0.362	1.5
1,2-Dichloropropane	0.337	0.361	0.344	0.357	0.354	0.355	0.351	2.6
Bromodichloromethane	0.466	0.494	0.476	0.506	0.504	0.504	0.492	3.4
4-Methyl-2-Pentanone	0.238	0.247	0.230	0.253	0.275	0.275	0.253	7.4
Toluene	0.871	0.924	0.890	0.944	0.947	0.961	0.923	3.8

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

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Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG No.: Q1982

Instrument ID: MSVOA_Y Calibration Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:46 11:47

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

LAB FILE ID: RRF005 = VY022253.D RRF010 = VY022254.D RRF020 = VY022255.D
RRF050 = VY022256.D RRF100 = VY022257.D RRF150 = VY022258.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.464	0.473	0.457	0.487	0.498	0.499	0.480	3.7
cis-1,3-Dichloropropene	0.523	0.548	0.535	0.562	0.562	0.568	0.550	3.2
1,1,2-Trichloroethane	0.241	0.243	0.232	0.243	0.248	0.249	0.243	2.4
2-Hexanone	0.167	0.167	0.151	0.166	0.183	0.185	0.170	7.4
Dibromochloromethane	0.296	0.314	0.298	0.323	0.329	0.330	0.315	4.9
1,2-Dibromoethane	0.221	0.228	0.214	0.227	0.234	0.232	0.226	3.2
Tetrachloroethene	0.474	0.481	0.470	0.474	0.446	0.429	0.462	4.4
Chlorobenzene	1.112	1.110	1.106	1.154	1.143	1.143	1.128	1.9
Ethyl Benzene	2.014	2.043	2.049	2.175	2.173	2.222	2.113	4.1
m/p-Xylenes	0.749	0.770	0.763	0.818	0.825	0.852	0.796	5.2
o-Xylene	0.704	0.741	0.723	0.768	0.782	0.802	0.753	4.9
Styrene	1.182	1.214	1.210	1.303	1.335	1.380	1.270	6.3
Bromoform	0.202	0.214	0.194	0.209	0.219	0.217	0.209	4.5
Isopropylbenzene	4.157	4.192	4.100	4.197	4.028	4.181	4.142	1.6
1,1,2,2-Tetrachloroethane	0.656	0.647	0.581	0.628	0.645	0.666	0.637	4.8
1,3-Dichlorobenzene	1.757	1.774	1.715	1.838	1.839	1.914	1.806	4
1,4-Dichlorobenzene	1.759	1.765	1.706	1.750	1.723	1.720	1.737	1.4
1,2-Dichlorobenzene	1.526	1.520	1.479	1.534	1.520	1.523	1.517	1.3
1,2-Dibromo-3-Chloropropane	0.107	0.104	0.093	0.100	0.109	0.104	0.103	5.7
1,2,4-Trichlorobenzene	0.860	0.845	0.848	0.900	0.904	0.902	0.876	3.2
1,2,3-Trichlorobenzene	0.753	0.721	0.702	0.752	0.777	0.756	0.743	3.6
1,2-Dichloroethane-d4	0.547	0.559	0.527	0.541	0.545	0.560	0.546	2.2
Dibromofluoromethane	0.294	0.294	0.294	0.301	0.297	0.310	0.298	2.2
Toluene-d8	1.224	1.200	1.195	1.230	1.214	1.272	1.222	2.3
4-Bromofluorobenzene	0.390	0.386	0.368	0.387	0.387	0.407	0.387	3.3

* 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.: Q1982 SAS No.: Q1982 SDG No.: Q1982

Instrument ID: MSVOA_Y Calibration Date/Time: 05/16/2025 08:24

Lab File ID: VY022277.D Init. Calib. Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 11:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.522	0.521		-0.19	20
Chloromethane	1.097	1.067	0.1	-2.73	20
Vinyl Chloride	1.226	1.343		9.54	20
Bromomethane	0.998	1.071		7.32	20
Chloroethane	0.763	0.887		16.25	20
Trichlorofluoromethane	1.241	1.308		5.4	20
1,1,2-Trichlorotrifluoroethane	0.539	0.569		5.57	20
1,1-Dichloroethene	0.535	0.570		6.54	20
Acetone	0.102	0.103		0.98	20
Carbon Disulfide	1.744	1.850		6.08	20
Methyl tert-butyl Ether	1.475	1.543		4.61	20
Methyl Acetate	0.323	0.324		0.31	20
Methylene Chloride	0.662	0.631		-4.68	20
trans-1,2-Dichloroethene	0.590	0.626		6.1	20
1,1-Dichloroethane	1.106	1.172	0.1	5.97	20
Cyclohexane	1.105	1.093		-1.09	20
2-Butanone	0.171	0.166		-2.92	20
Carbon Tetrachloride	0.509	0.537		5.5	20
cis-1,2-Dichloroethene	0.681	0.737		8.22	20
Bromochloromethane	0.472	0.487		3.18	20
Chloroform	1.061	1.161		9.43	20
1,1,1-Trichloroethane	0.974	1.038		6.57	20
Methylcyclohexane	0.660	0.680		3.03	20
Benzene	1.457	1.567		7.55	20
1,2-Dichloroethane	0.394	0.417		5.84	20
Trichloroethene	0.362	0.381		5.25	20
1,2-Dichloropropane	0.351	0.371		5.7	20
Bromodichloromethane	0.492	0.533		8.33	20
4-Methyl-2-Pentanone	0.253	0.250		-1.19	20
Toluene	0.923	0.982		6.39	20
t-1,3-Dichloropropene	0.480	0.500		4.17	20
cis-1,3-Dichloropropene	0.550	0.587		6.73	20
1,1,2-Trichloroethane	0.243	0.254		4.53	20
2-Hexanone	0.170	0.165		-2.94	20
Dibromochloromethane	0.315	0.338		7.3	20
1,2-Dibromoethane	0.226	0.238		5.31	20
Tetrachloroethene	0.462	0.477		3.25	20
Chlorobenzene	1.128	1.200	0.3	6.38	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.: Q1982 SAS No.: Q1982 SDG No.: Q1982

Instrument ID: MSVOA_Y Calibration Date/Time: 05/16/2025 08:24

Lab File ID: VY022277.D Init. Calib. Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 11:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.113	2.235		5.77	20
m/p-Xylenes	0.796	0.848		6.53	20
o-Xylene	0.753	0.804		6.77	20
Styrene	1.270	1.355		6.69	20
Bromoform	0.209	0.214	0.1	2.39	20
Isopropylbenzene	4.142	4.419		6.69	20
1,1,2,2-Tetrachloroethane	0.637	0.651	0.3	2.2	20
1,3-Dichlorobenzene	1.806	1.921		6.37	20
1,4-Dichlorobenzene	1.737	1.826		5.12	20
1,2-Dichlorobenzene	1.517	1.596		5.21	20
1,2-Dibromo-3-Chloropropane	0.103	0.104		0.97	20
1,2,4-Trichlorobenzene	0.876	0.929		6.05	20
1,2,3-Trichlorobenzene	0.743	0.768		3.37	20
1,2-Dichloroethane-d4	0.546	0.552		1.1	20
Dibromofluoromethane	0.298	0.308		3.36	20
Toluene-d8	1.222	1.265		3.52	20
4-Bromofluorobenzene	0.387	0.388		0.26	20

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

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022286.D
Acq On : 16 May 2025 13:17
Operator : SY/MD
Sample : Q1982-01
Misc : 15.93g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-1

Quant Time: May 17 01:32:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

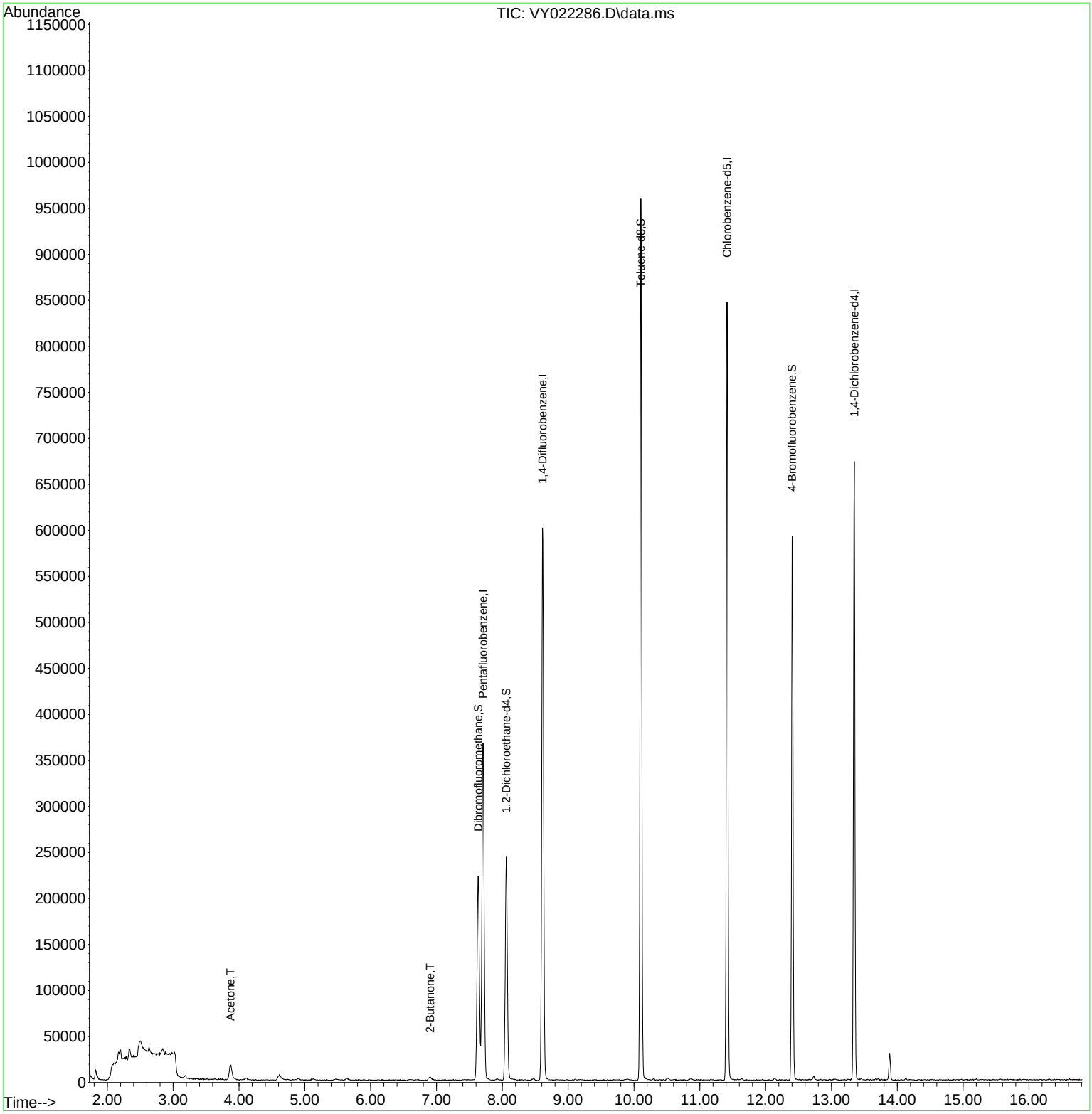
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	279736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	499229	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	412738	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	154433	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	183547	60.037	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.080%			
35) Dibromofluoromethane	7.634	113	154177	51.743	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.480%			
50) Toluene-d8	10.103	98	605727	49.635	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.280%			
62) 4-Bromofluorobenzene	12.402	95	165203	42.709	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.420%			
Target Compounds						Qvalue
16) Acetone	3.873	43	30512	53.226	ug/l	93
25) 2-Butanone	6.903	43	6095	6.356	ug/l #	88

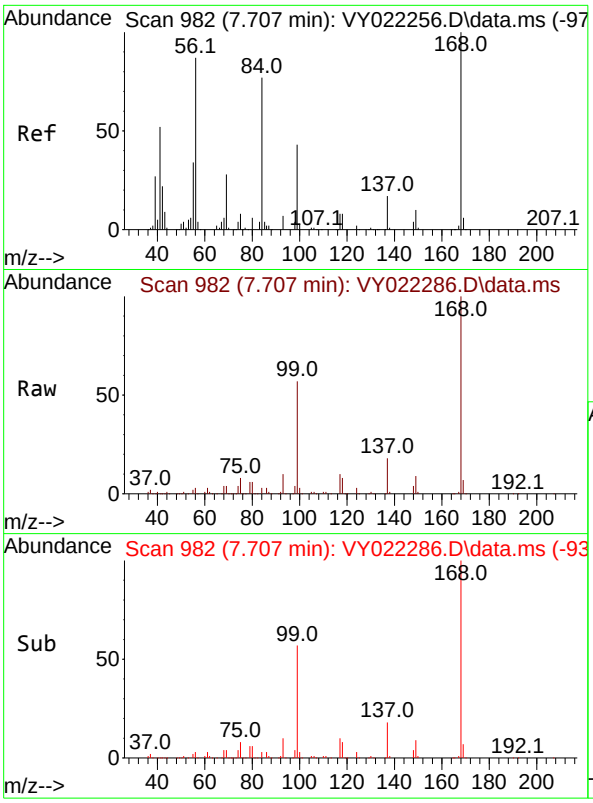
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022286.D
Acq On : 16 May 2025 13:17
Operator : SY/MD
Sample : Q1982-01
Misc : 15.93g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-1

Quant Time: May 17 01:32:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



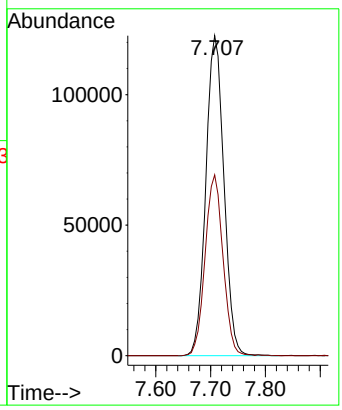


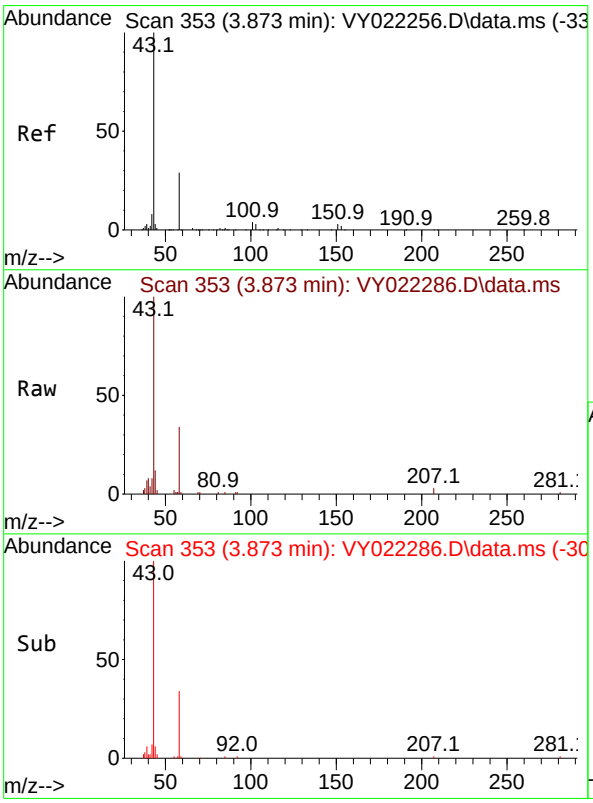
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022286.D
Acq: 16 May 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
TP-1

Tgt Ion:168 Resp: 279736

Ion	Ratio	Lower	Upper
168	100		
99	56.5	44.2	66.4

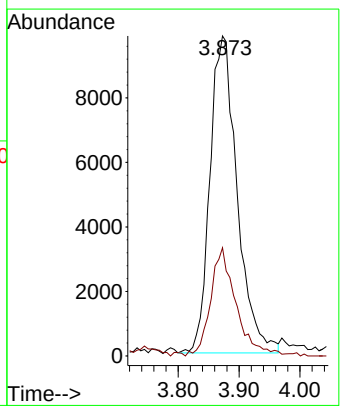


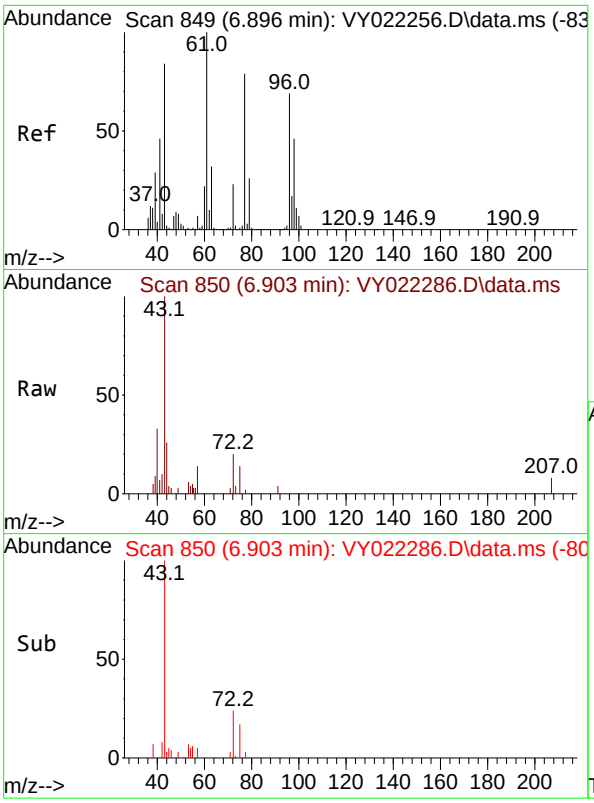


#16
Acetone
Concen: 53.226 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022286.D
Acq: 16 May 2025 13:17

Tgt Ion: 43 Resp: 30512

Ion	Ratio	Lower	Upper
43	100		
58	33.1	23.6	35.4



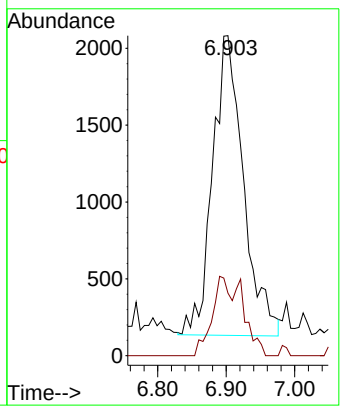


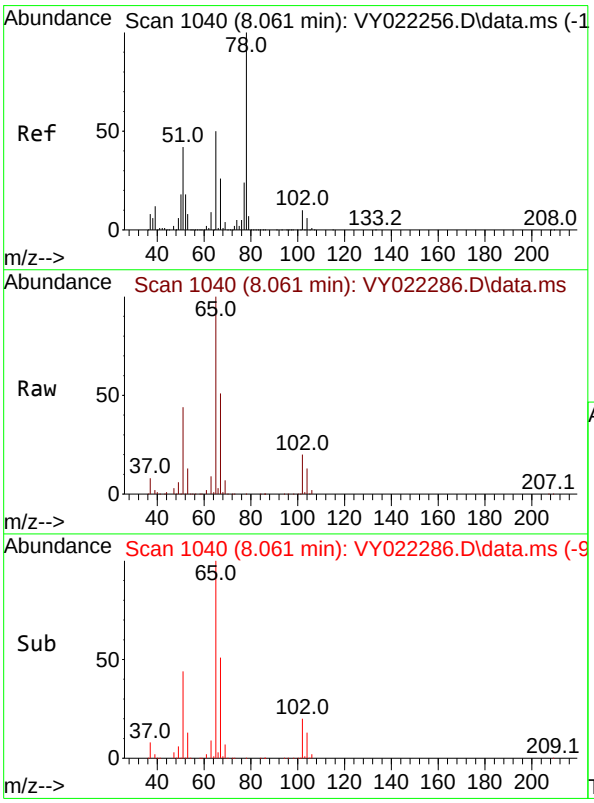
#25
2-Butanone
Concen: 6.356 ug/l
RT: 6.903 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022286.D
Acq: 16 May 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
TP-1

Tgt Ion: 43 Resp: 6095

Ion	Ratio	Lower	Upper
43	100		
72	21.1	22.1	33.1#

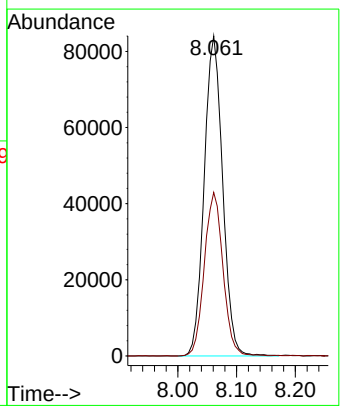


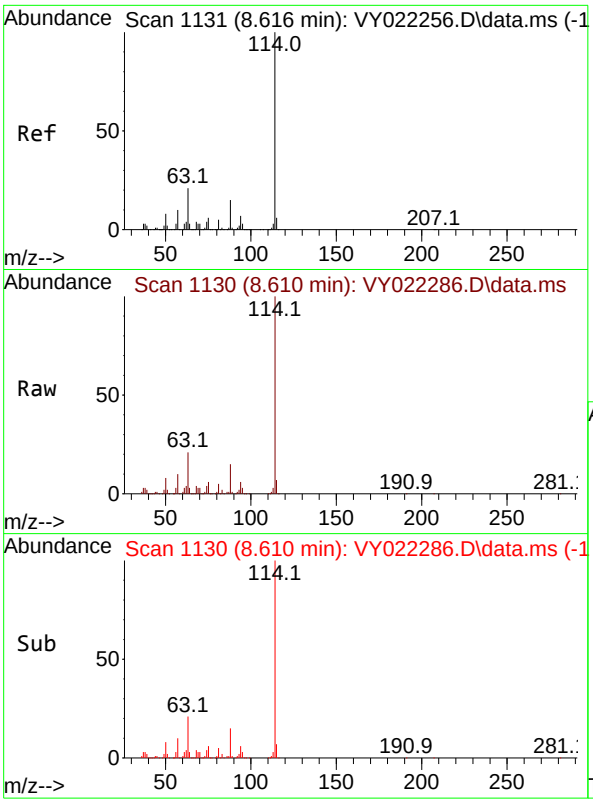


#33
1,2-Dichloroethane-d4
Concen: 60.037 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022286.D
Acq: 16 May 2025 13:17

Tgt Ion: 65 Resp: 183547

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	104.6



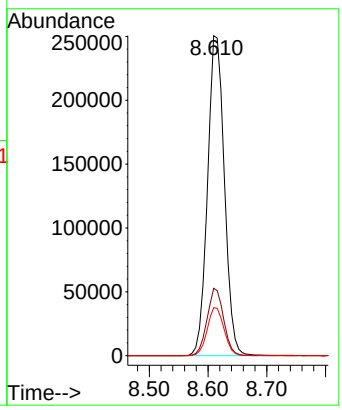


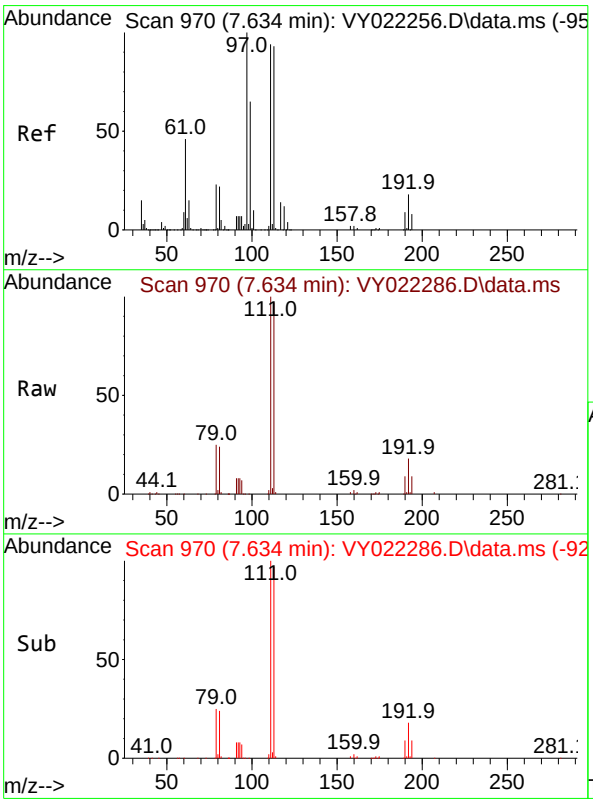
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022286.D
Acq: 16 May 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
TP-1

Tgt Ion:114 Resp: 499229

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	41.0
88	15.0	0.0	29.4

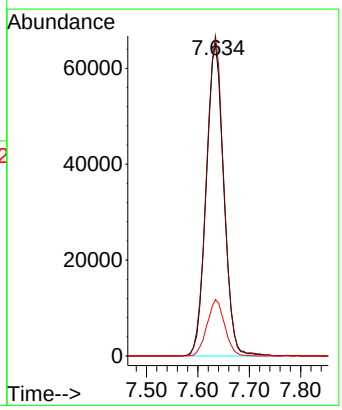


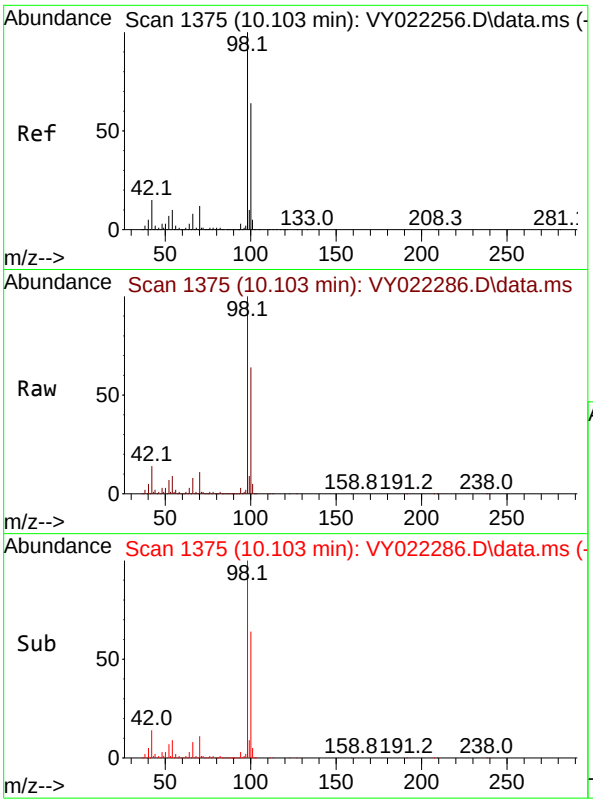


#35
Dibromofluoromethane
Concen: 51.743 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022286.D
Acq: 16 May 2025 13:17

Tgt Ion:113 Resp: 154177

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.6	123.8
192	18.2	15.2	22.8



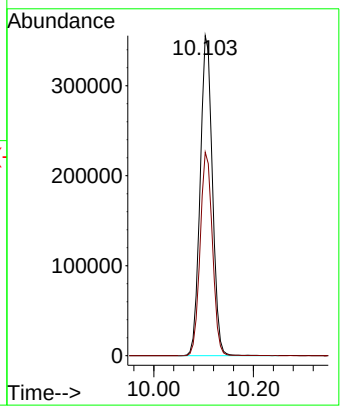


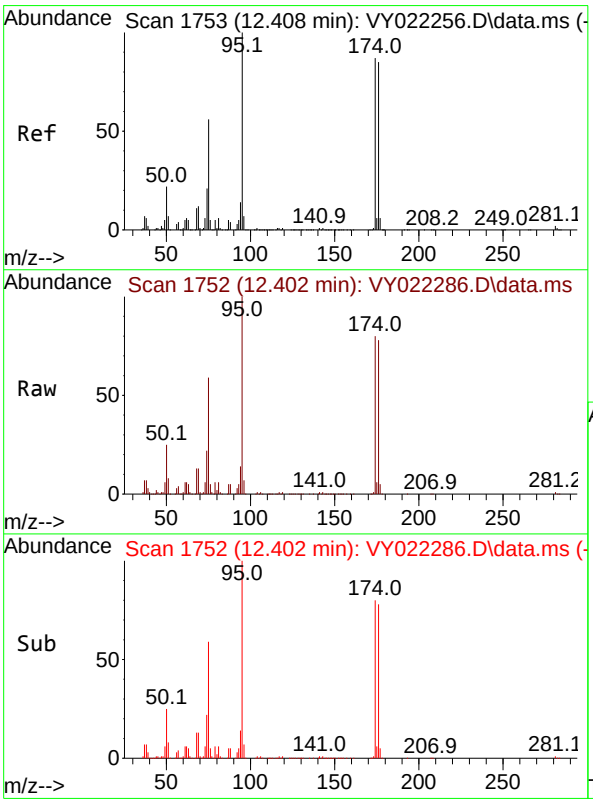
#50
Toluene-d8
Concen: 49.635 ug/l
RT: 10.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022286.D
Acq: 16 May 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
TP-1

Tgt Ion: 98 Resp: 605727

Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.8	77.8

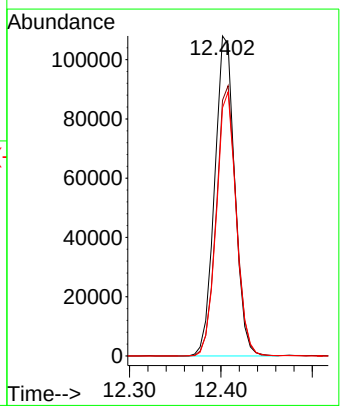




#62
4-Bromofluorobenzene
Concen: 42.709 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022286.D
Acq: 16 May 2025 13:17

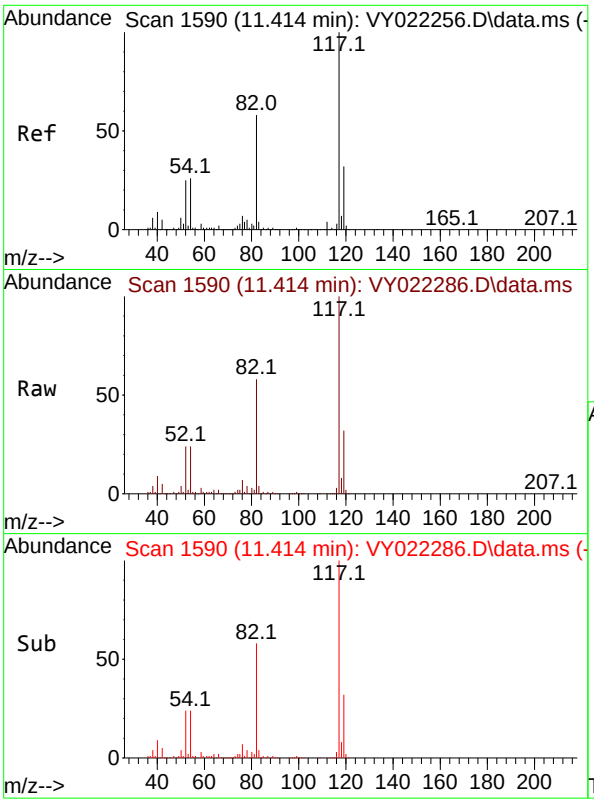
Tgt Ion: 95 Resp: 165203

Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	166.8
176	81.4	0.0	160.8



5

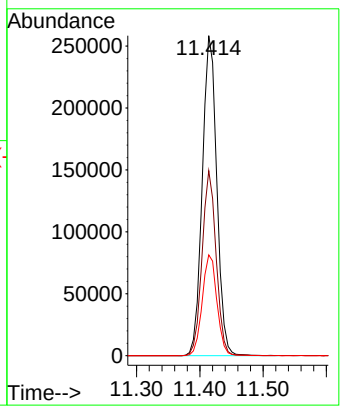
Instrument :
MSVOA_Y
ClientSampleId :
TP-1

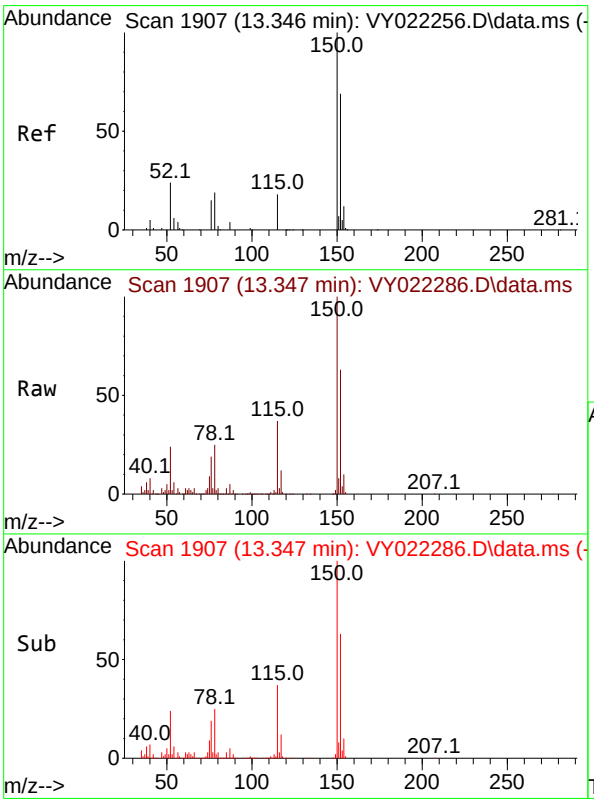


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022286.D
Acq: 16 May 2025 13:17

Tgt Ion:117 Resp: 412738

Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.6	70.0
119	31.5	25.8	38.6

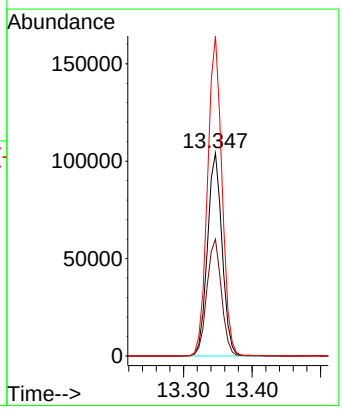




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022286.D
Acq: 16 May 2025 13:17

Tgt Ion:152 Resp: 154433

Ion	Ratio	Lower	Upper
152	100		
115	57.7	29.4	88.2
150	156.2	0.0	353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022286.D
Acq On : 16 May 2025 13:17
Operator : SY/MD
Sample : Q1982-01
Misc : 15.93g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-1

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Title : SW846 8260

Signal : TIC: VY022286.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.824	12	17	24	rVB2	9707	18549	1.13%	0.225%
2	2.074	44	58	60	rBV4	16899	41073	2.49%	0.497%
3	2.501	120	128	133	rBV8	15932	53408	3.24%	0.647%
4	3.873	343	353	366	rBV	16171	49075	2.98%	0.594%
5	4.616	465	475	482	rBV3	6483	20971	1.27%	0.254%
6	7.634	959	970	976	rBV	221755	534540	32.44%	6.474%
7	7.707	976	982	994	rVB	365373	831178	50.44%	10.066%
8	8.061	1031	1040	1053	rBV	242911	539495	32.74%	6.534%
9	8.610	1120	1130	1141	rBV	600776	1190536	72.25%	14.418%
10	10.103	1364	1375	1385	rBV	958158	1647793	100.00%	19.956%
11	11.414	1581	1590	1602	rBV	845891	1352411	82.07%	16.379%
12	12.402	1745	1752	1761	rBV	591508	920900	55.89%	11.153%
13	13.347	1900	1907	1917	rBV	672036	1010376	61.32%	12.236%
14	13.883	1989	1995	2004	rVB2	29307	46769	2.84%	0.566%

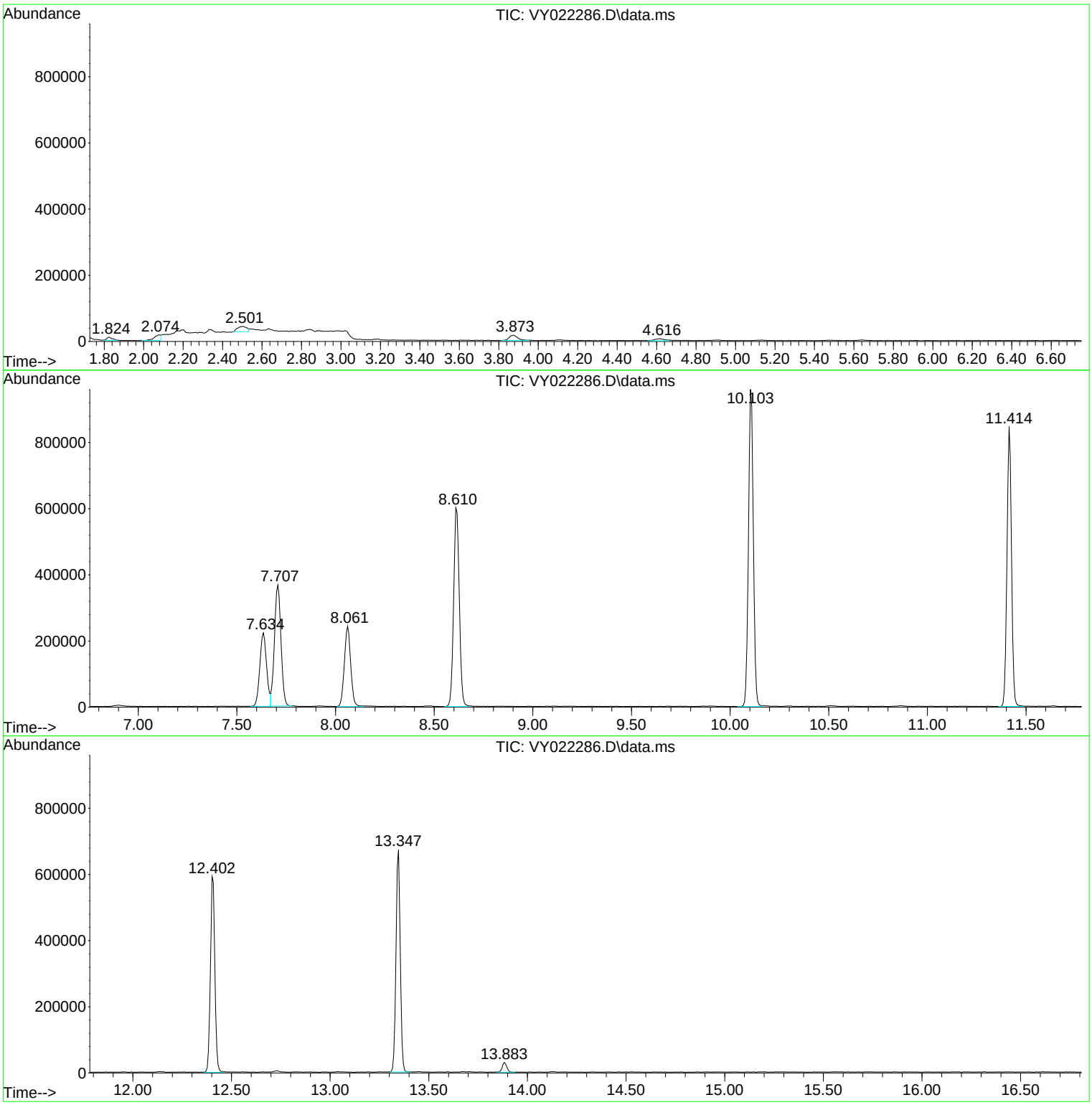
Sum of corrected areas: 8257074

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022286.D
Acq On : 16 May 2025 13:17
Operator : SY/MD
Sample : Q1982-01
Misc : 15.93g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022286.D
Acq On : 16 May 2025 13:17
Operator : SY/MD
Sample : Q1982-01
Misc : 15.93g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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\VY051625\
Data File : VY022286.D
Acq On : 16 May 2025 13:17
Operator : SY/MD
Sample : Q1982-01
Misc : 15.93g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022287.D
Acq On : 16 May 2025 13:41
Operator : SY/MD
Sample : Q1982-02
Misc : 15.26g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-2B

Quant Time: May 17 01:32:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	272623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	473712	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	327253	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	82963	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	146188	49.064	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.120%			
35) Dibromofluoromethane	7.634	113	142338	50.343	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.680%			
50) Toluene-d8	10.103	98	553522	47.801	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.600%			
62) 4-Bromofluorobenzene	12.401	95	133997	36.508	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 73.020%			

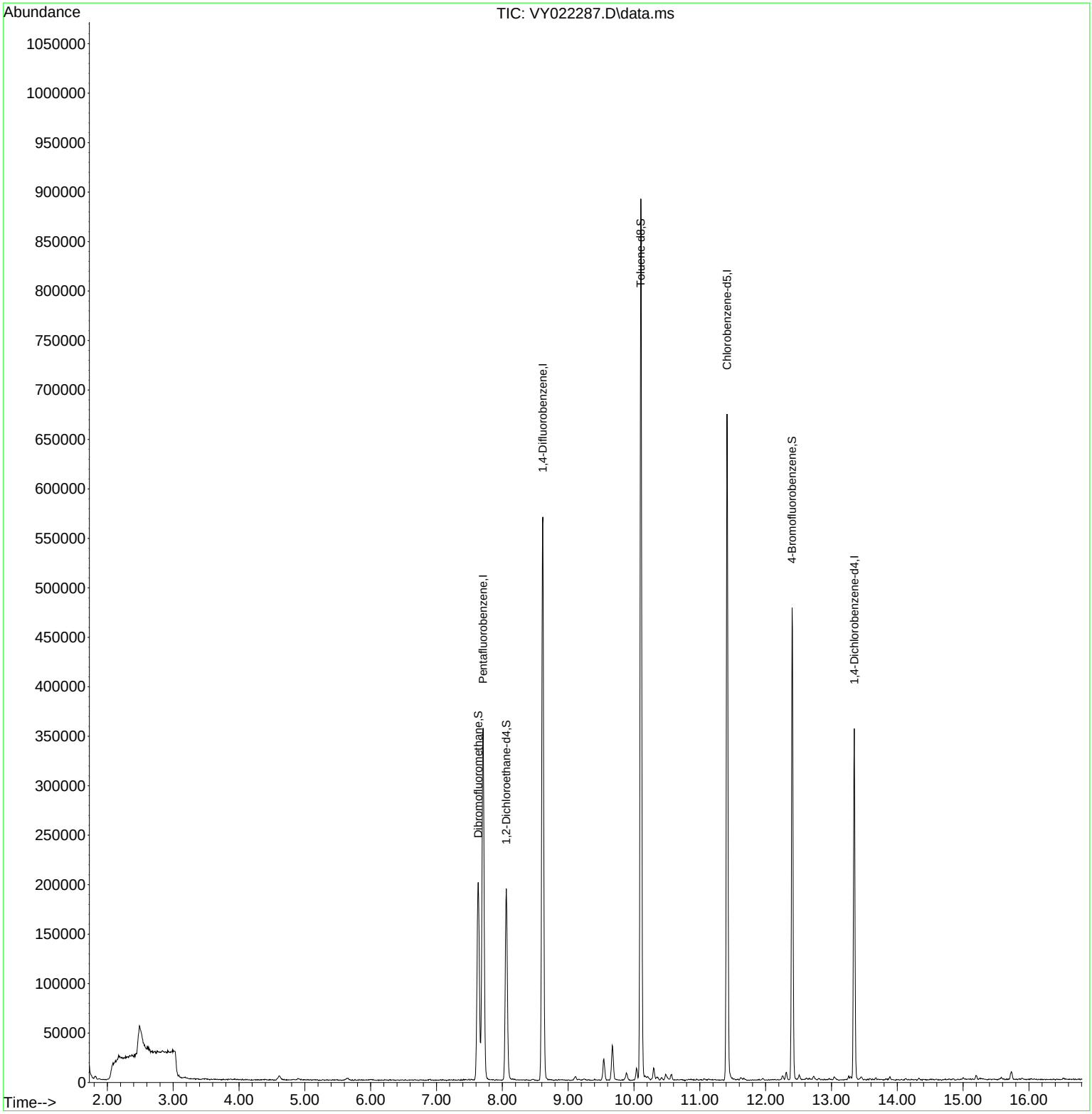
Target Compounds Qvalue

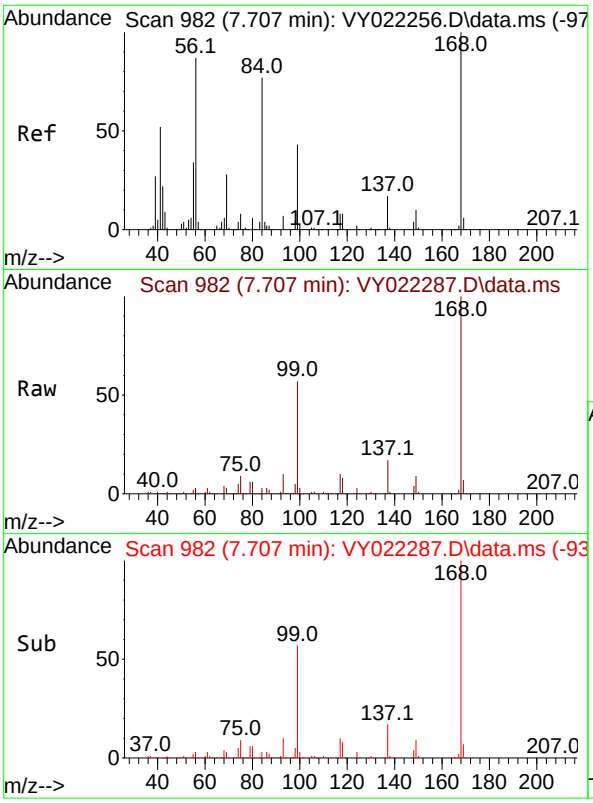
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022287.D
Acq On : 16 May 2025 13:41
Operator : SY/MD
Sample : Q1982-02
Misc : 15.26g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-2B

Quant Time: May 17 01:32:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



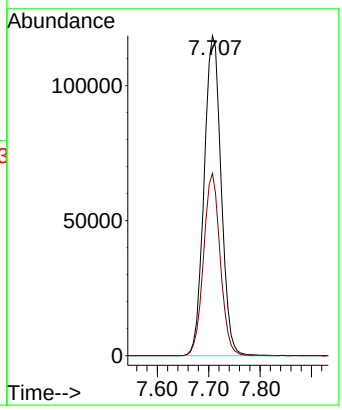


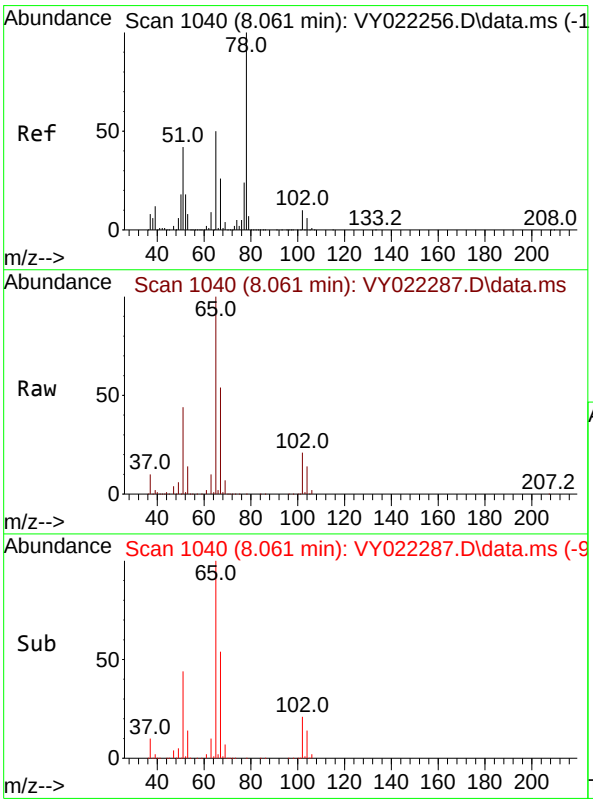
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022287.D
Acq: 16 May 2025 13:41

Instrument :
MSVOA_Y
ClientSampleId :
TP-2B

Tgt Ion:168 Resp: 272623

Ion	Ratio	Lower	Upper
168	100		
99	57.0	44.2	66.4

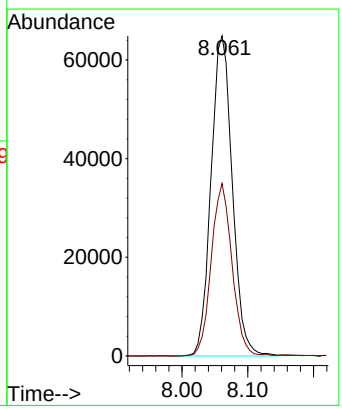




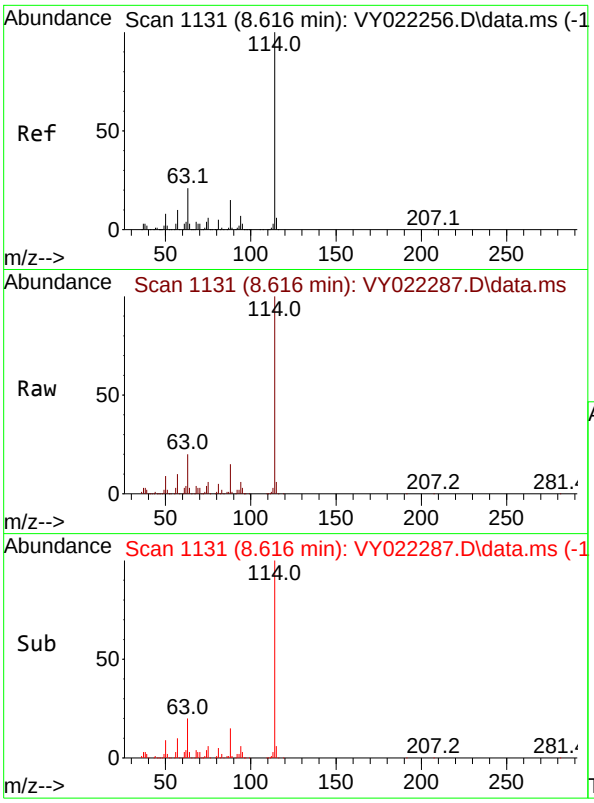
#33
1,2-Dichloroethane-d4
Concen: 49.064 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022287.D
Acq: 16 May 2025 13:41

Tgt Ion: 65 Resp: 146188

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	104.6



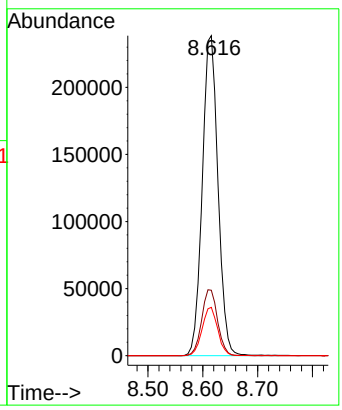
Instrument :
MSVOA_Y
ClientSampleId :
TP-2B

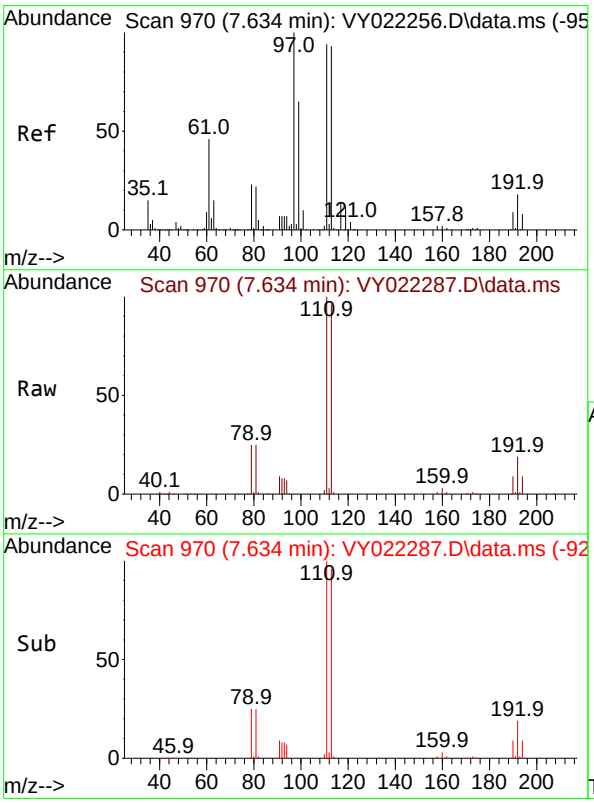


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022287.D
Acq: 16 May 2025 13:41

Tgt Ion:114 Resp: 473712

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	41.0
88	15.1	0.0	29.4

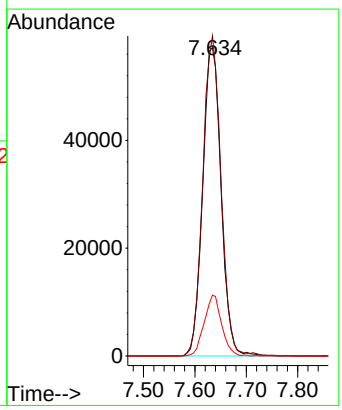




#35
Dibromofluoromethane
Concen: 50.343 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022287.D
Acq: 16 May 2025 13:41

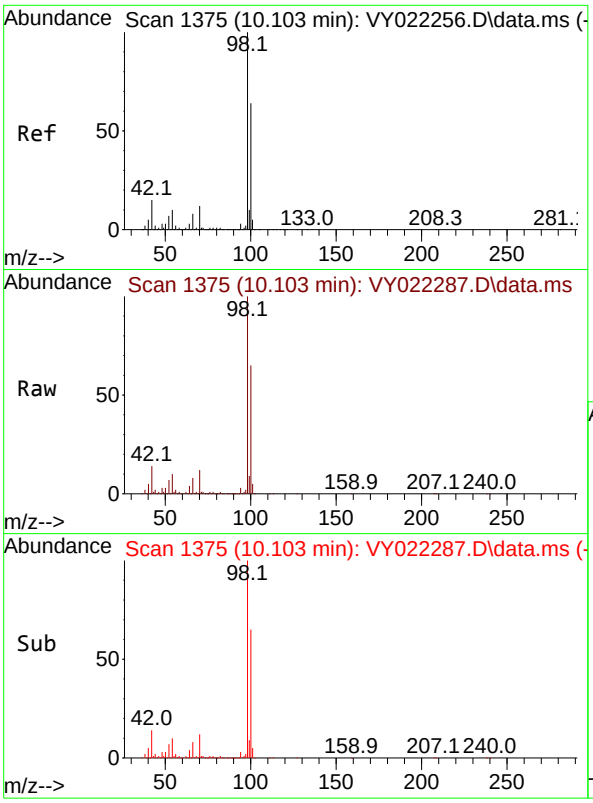
Tgt Ion:113 Resp: 142338

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.6	123.8
192	18.7	15.2	22.8



5

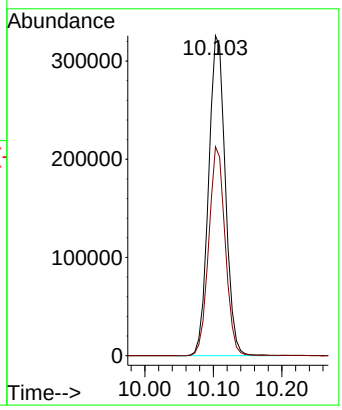
Instrument :
MSVOA_Y
ClientSampleId :
TP-2B

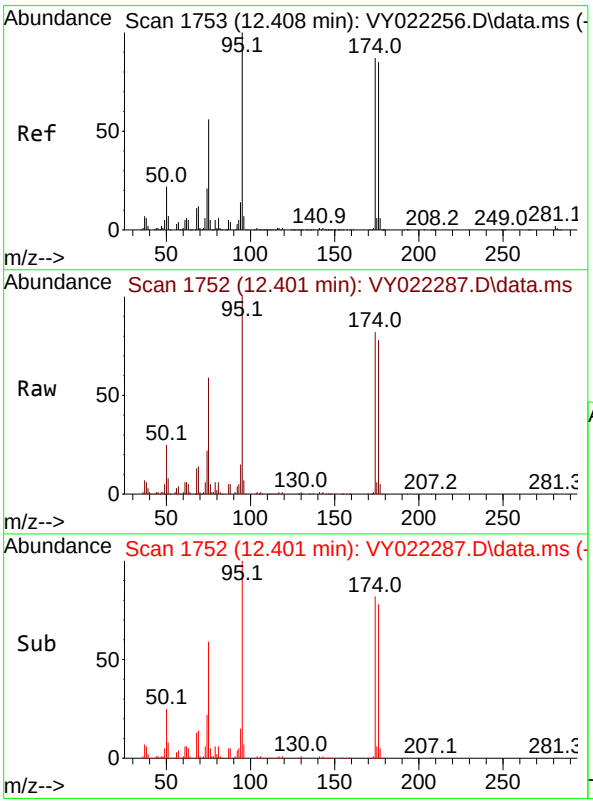


#50
Toluene-d8
Concen: 47.801 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022287.D
Acq: 16 May 2025 13:41

Tgt Ion: 98 Resp: 553522

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.8	77.8

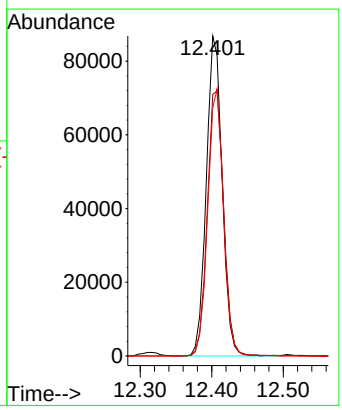


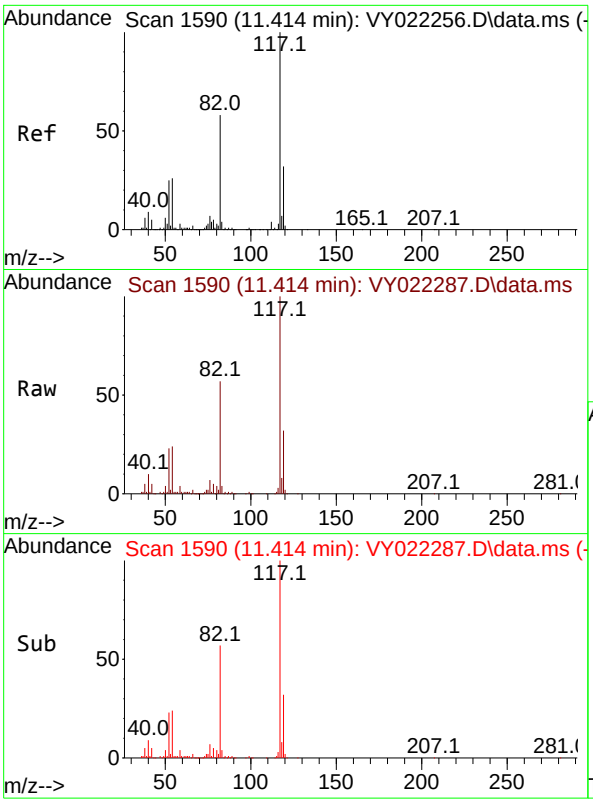


#62
4-Bromofluorobenzene
Concen: 36.508 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022287.D
Acq: 16 May 2025 13:41

Tgt Ion: 95 Resp: 133997

Ion	Ratio	Lower	Upper
95	100		
174	85.6	0.0	166.8
176	82.9	0.0	160.8



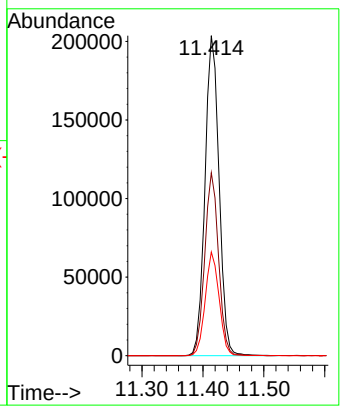


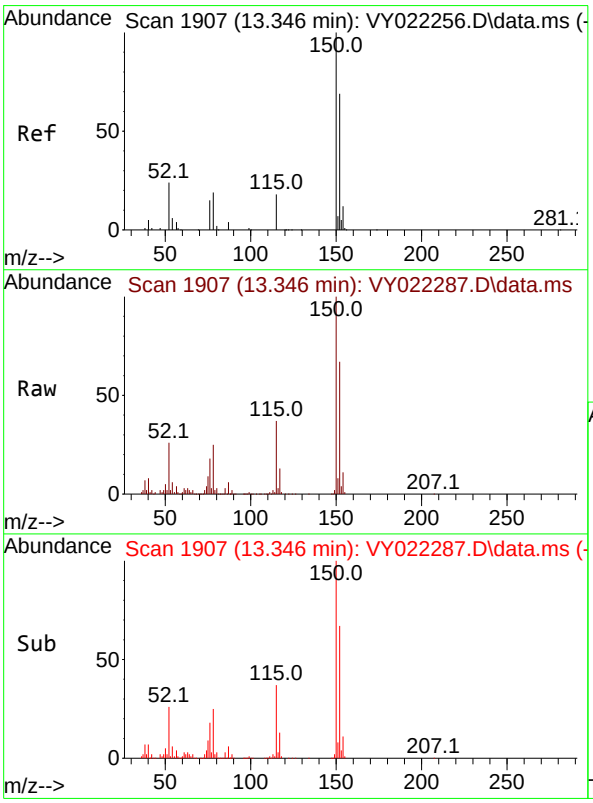
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022287.D
Acq: 16 May 2025 13:41

Instrument :
MSVOA_Y
ClientSampleId :
TP-2B

Tgt Ion:117 Resp: 327253

Ion	Ratio	Lower	Upper
117	100		
82	57.1	46.6	70.0
119	32.4	25.8	38.6

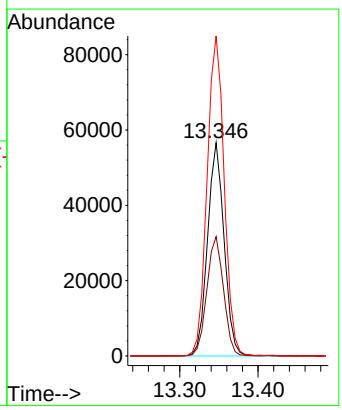




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022287.D
Acq: 16 May 2025 13:41

Tgt Ion:152 Resp: 82963

Ion	Ratio	Lower	Upper
152	100		
115	56.5	29.4	88.2
150	155.1	0.0	353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022287.D
Acq On : 16 May 2025 13:41
Operator : SY/MD
Sample : Q1982-02
Misc : 15.26g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-2B

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\82Y051525S.M
Title : SW846 8260

Signal : TIC: VY022287.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	48	60	61	rBV4	16506	37985	2.53%	0.533%
2	2.489	119	126	144	rBV9	28155	131888	8.79%	1.852%
3	7.634	960	970	976	rBV2	199900	495141	33.00%	6.954%
4	7.707	976	982	997	rVB	355537	811101	54.05%	11.392%
5	8.061	1031	1040	1053	rBV	193515	433022	28.86%	6.082%
6	8.616	1118	1131	1144	rBV	569854	1136384	75.73%	15.960%
7	9.542	1275	1283	1290	rBV2	21584	42660	2.84%	0.599%
8	9.670	1297	1304	1314	rBV	35213	72651	4.84%	1.020%
9	9.884	1330	1339	1346	rBV4	7626	16635	1.11%	0.234%
10	10.036	1359	1364	1368	rBV	12124	20032	1.34%	0.281%
11	10.103	1368	1375	1384	rVV	888866	1500513	100.00%	21.074%
12	10.298	1399	1407	1412	rBV3	12269	22700	1.51%	0.319%
13	11.414	1582	1590	1602	rBV	673532	1091680	72.75%	15.332%
14	12.401	1744	1752	1763	rBV	477087	750235	50.00%	10.537%
15	13.346	1900	1907	1916	rVB	354608	542302	36.14%	7.616%
16	15.730	2293	2298	2304	rVB9	7836	15215	1.01%	0.214%

Sum of corrected areas: 7120144

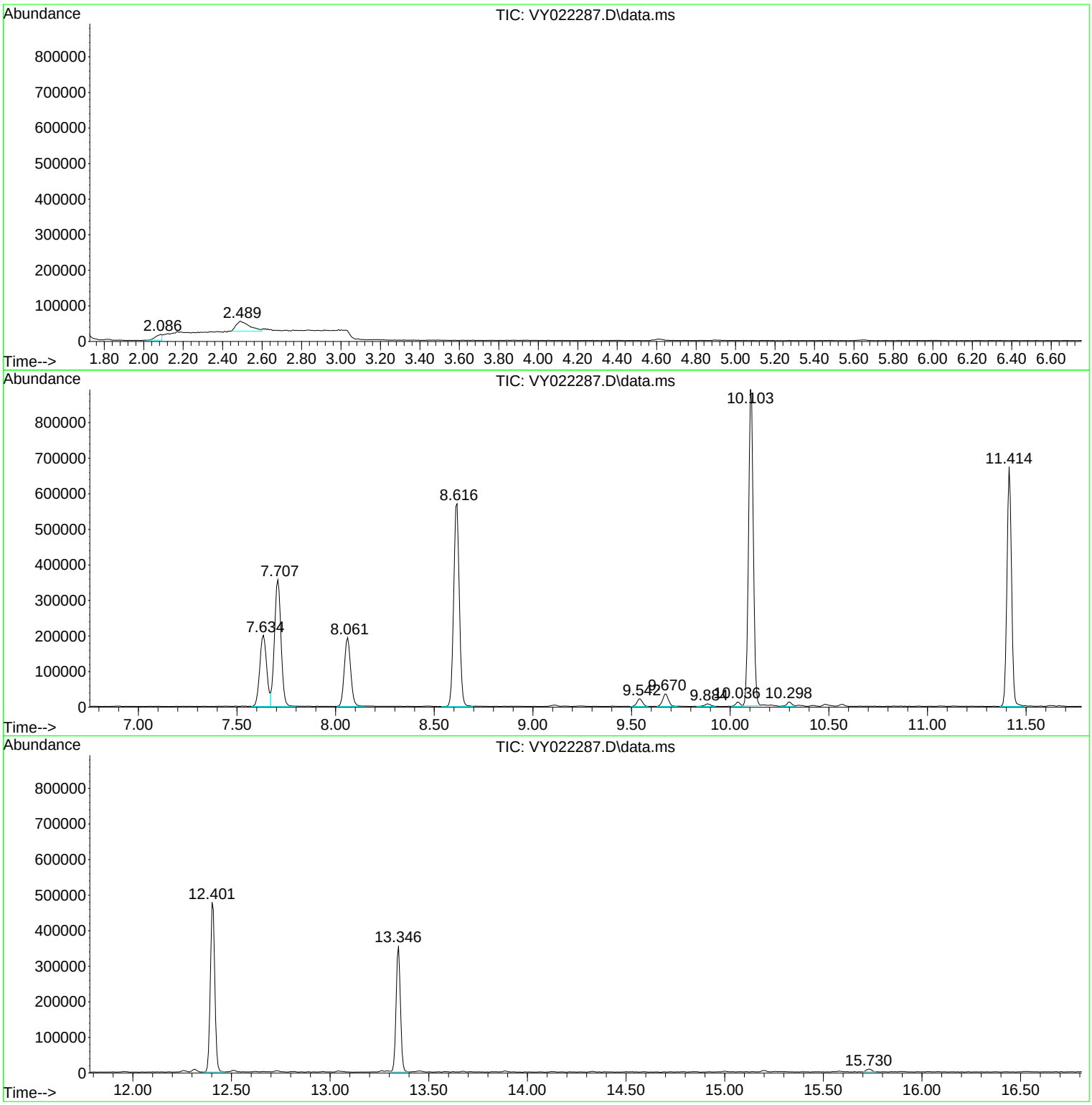
Sample Results: **VY022287.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022287.D
Acq On : 16 May 2025 13:41
Operator : SY/MD
Sample : Q1982-02
Misc : 15.26g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-2B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022287.D
Acq On : 16 May 2025 13:41
Operator : SY/MD
Sample : Q1982-02
Misc : 15.26g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-2B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

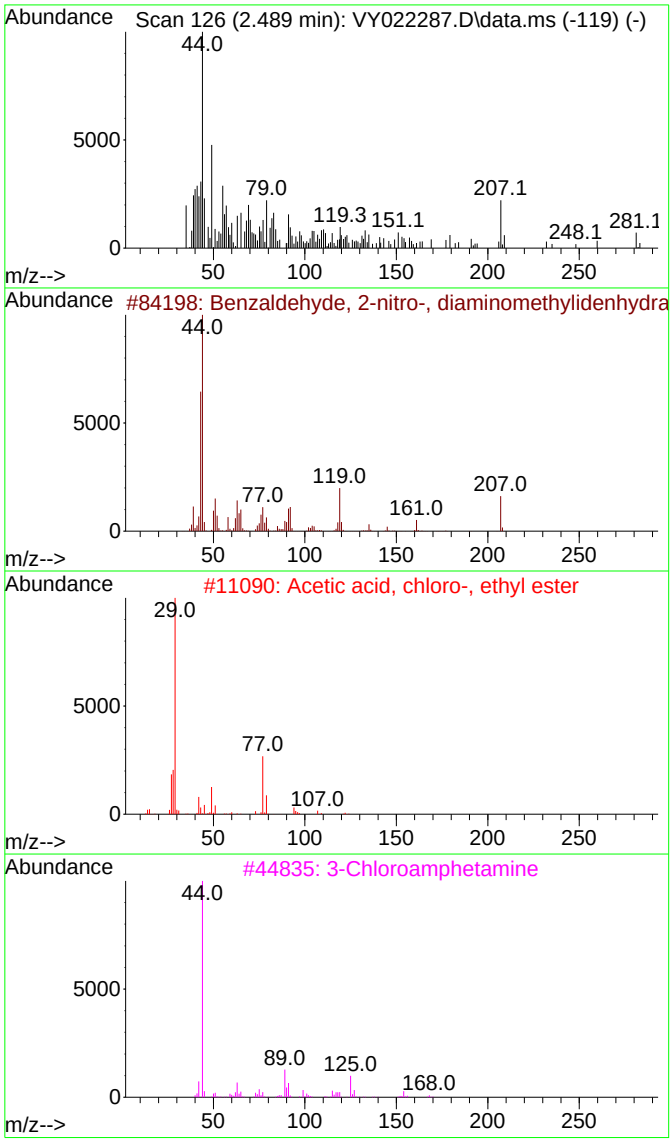
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

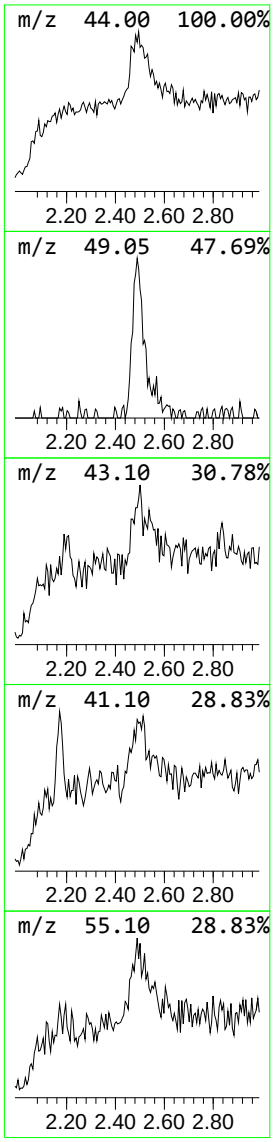
****

Peak Number 1 unknown2.489 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.489	8.13 ug/l	131888	Pentafluorobenzene	7.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 2-nitro-, diaminom...	207	C8H9N5O2	102632-31-5	38
2	Acetic acid, chloro-, ethyl ester	122	C4H7ClO2	000105-39-5	16
3	3-Chloroamphetamine	169	C9H12ClN	032560-59-1	10
4	2-(Methylamino)ethanol, O-trimet...	147	C6H17NOSi	1000385-96-3	10
5	2-[(2-Aminoethyl)sulfanyl]acetic...	163	C6H13NO2S	1249150-80-8	10





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022287.D
Acq On : 16 May 2025 13:41
Operator : SY/MD
Sample : Q1982-02
Misc : 15.26g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-2B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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
unknown2.489	2.489	8.1	ug/l	131888	1	7.707	811101	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022288.D
Acq On : 16 May 2025 14:04
Operator : SY/MD
Sample : Q1982-03
Misc : 11.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Quant Time: May 17 01:33:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

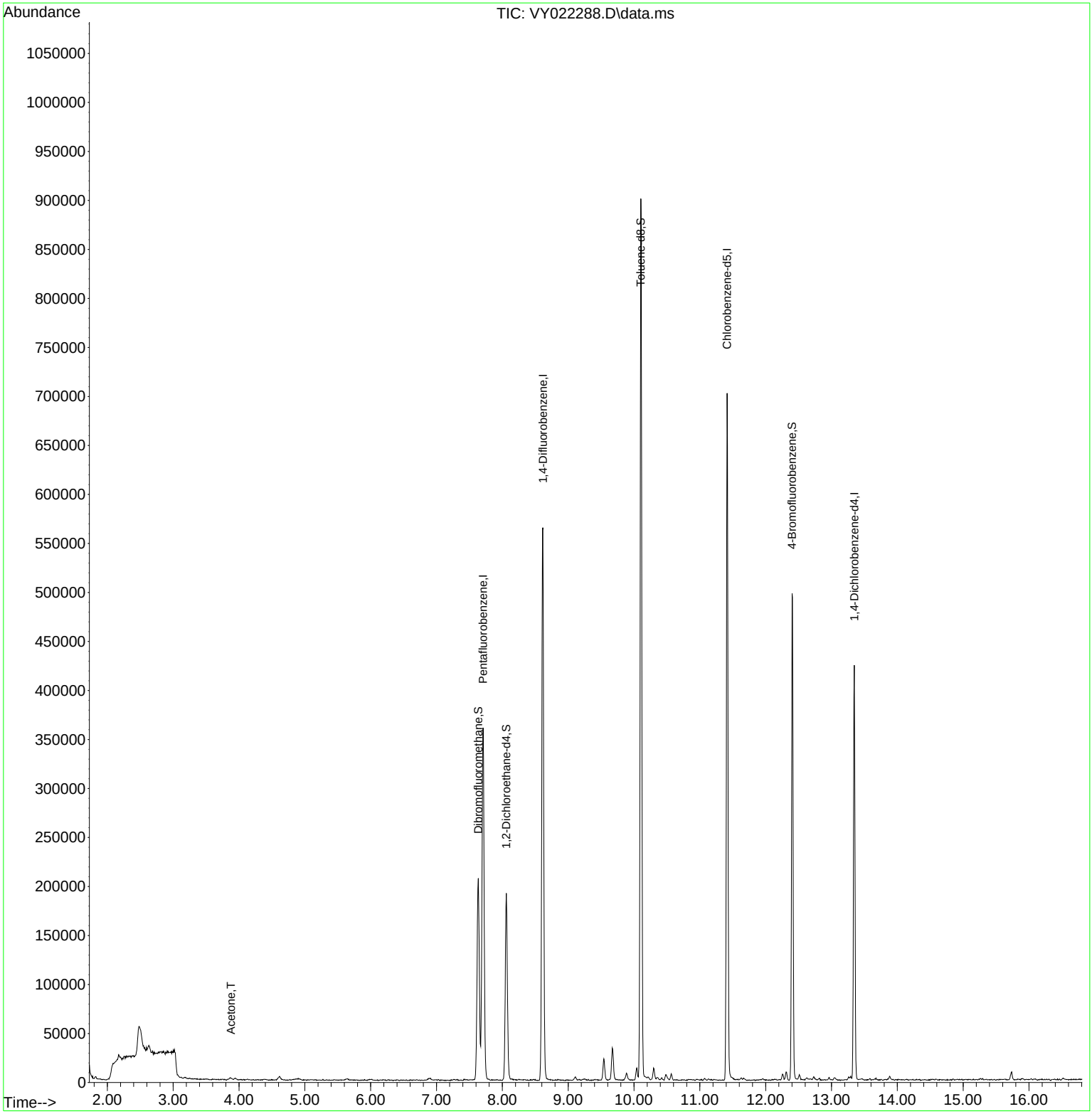
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	273129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	474491	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	343745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	98736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	142878	47.865	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.720%			
35) Dibromofluoromethane	7.634	113	140680	49.674	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.340%			
50) Toluene-d8	10.103	98	558787	48.176	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.360%			
62) 4-Bromofluorobenzene	12.401	95	144300	39.250	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 78.500%			
Target Compounds						Qvalue
16) Acetone	3.879	43	3988	7.125	ug/l #	89

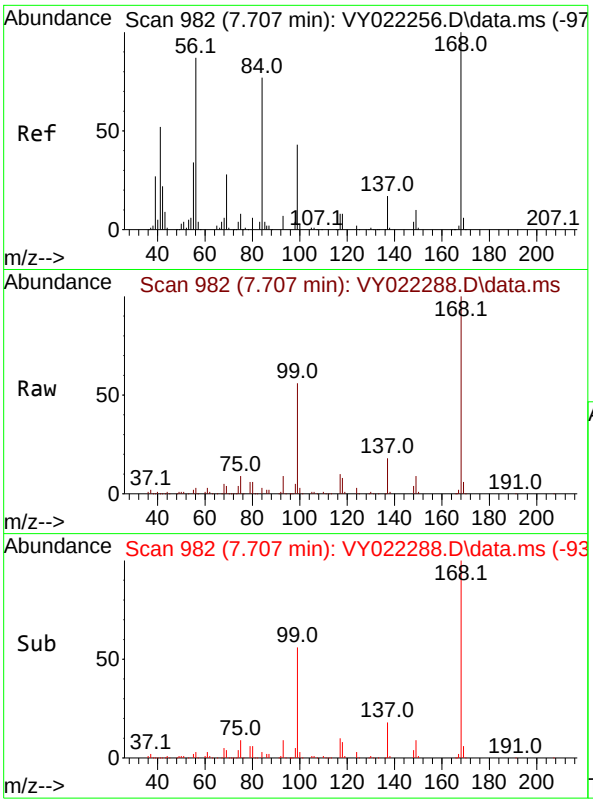
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022288.D
Acq On : 16 May 2025 14:04
Operator : SY/MD
Sample : Q1982-03
Misc : 11.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Quant Time: May 17 01:33:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



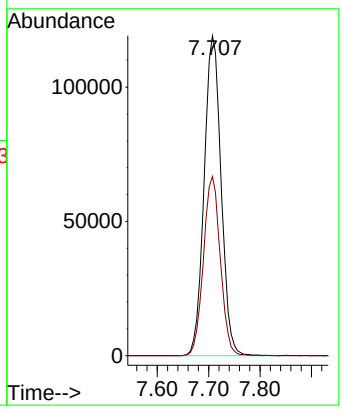


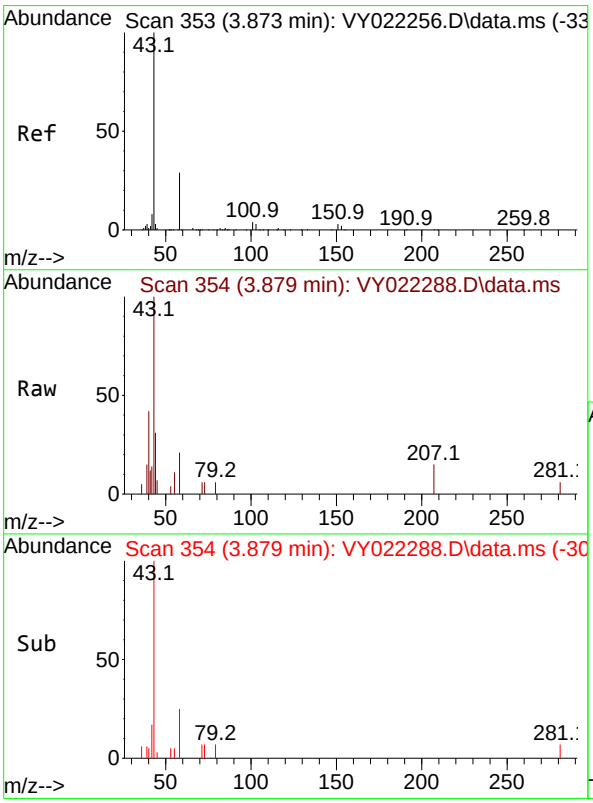
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022288.D
Acq: 16 May 2025 14:04

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion:168 Resp: 273129

Ion	Ratio	Lower	Upper
168	100		
99	56.0	44.2	66.4

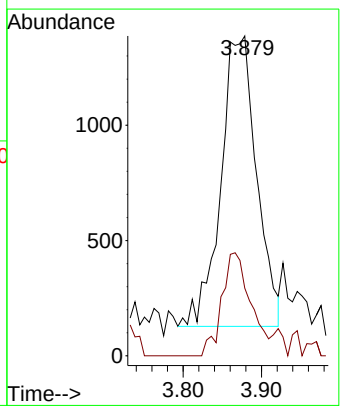


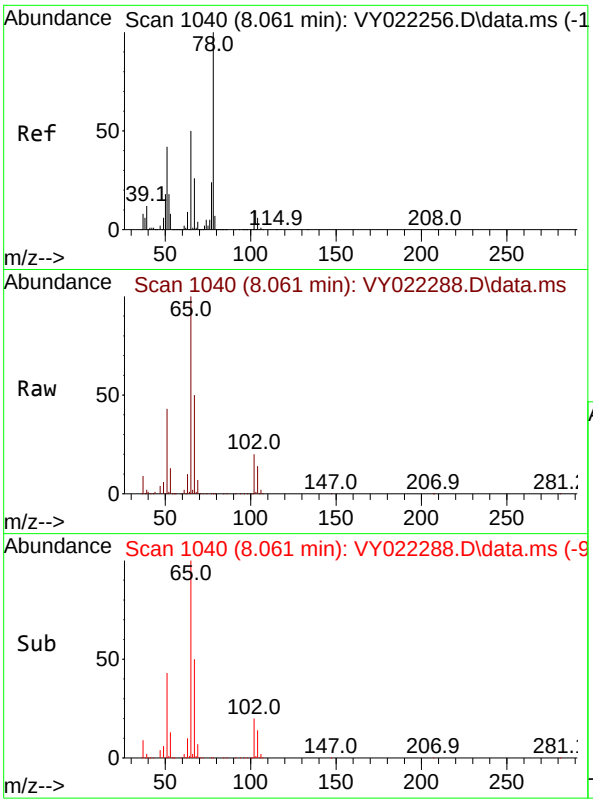


#16
Acetone
Concen: 7.125 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022288.D
Acq: 16 May 2025 14:04

Tgt Ion: 43 Resp: 3988

Ion	Ratio	Lower	Upper
43	100		
58	23.4	23.6	35.4#



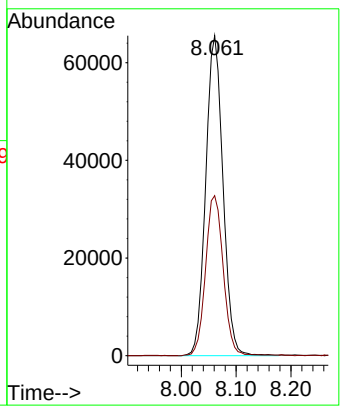


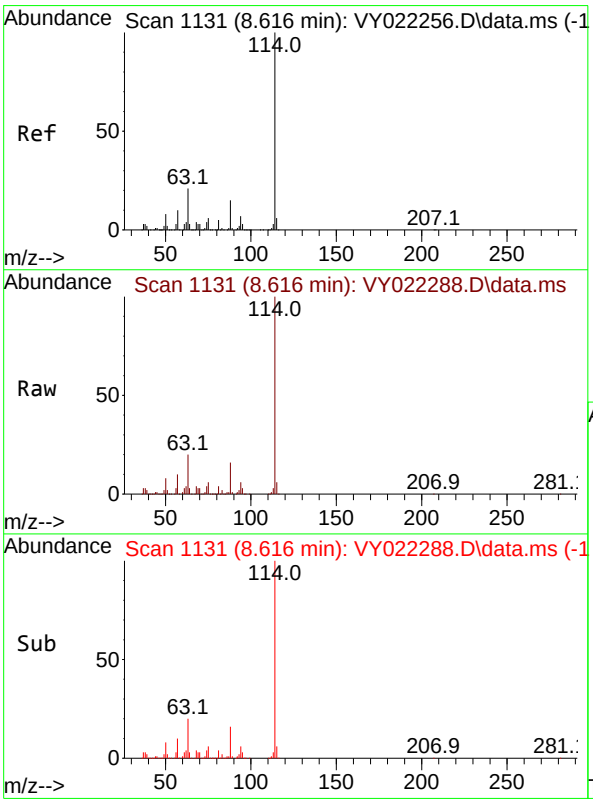
#33
1,2-Dichloroethane-d4
Concen: 47.865 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022288.D
Acq: 16 May 2025 14:04

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion: 65 Resp: 142878

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	104.6

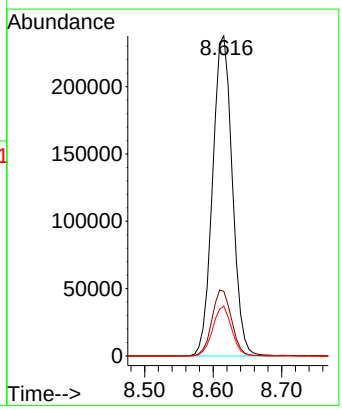


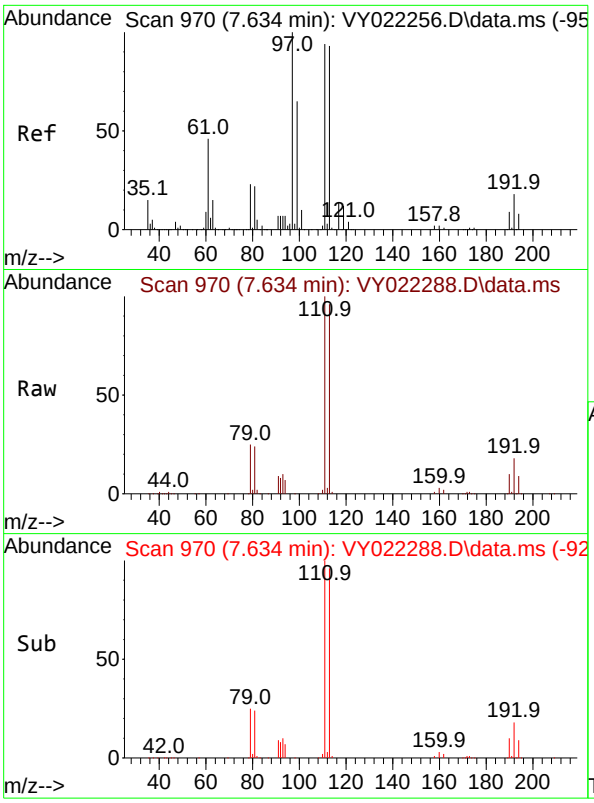


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022288.D
Acq: 16 May 2025 14:04

Tgt Ion:114 Resp: 474491

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	41.0
88	15.6	0.0	29.4



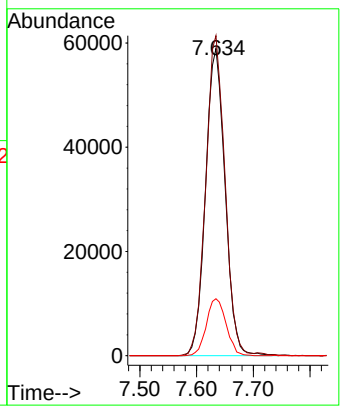


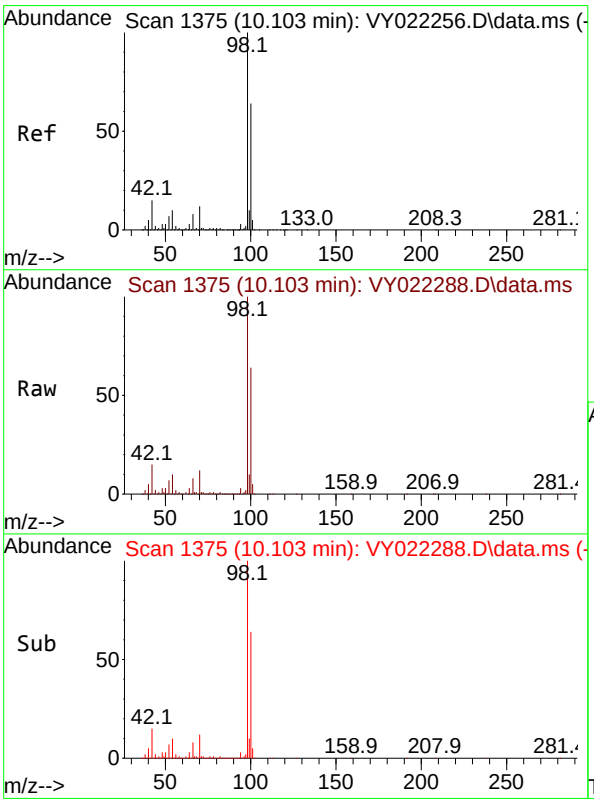
#35
Dibromofluoromethane
Concen: 49.674 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022288.D
Acq: 16 May 2025 14:04

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion:113 Resp: 140680

Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.6	123.8
192	18.8	15.2	22.8

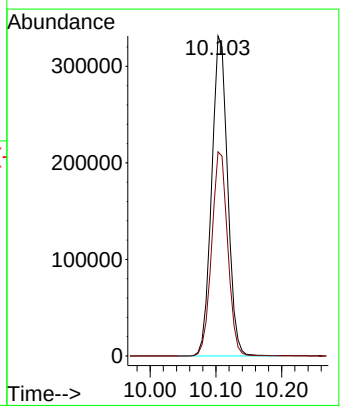


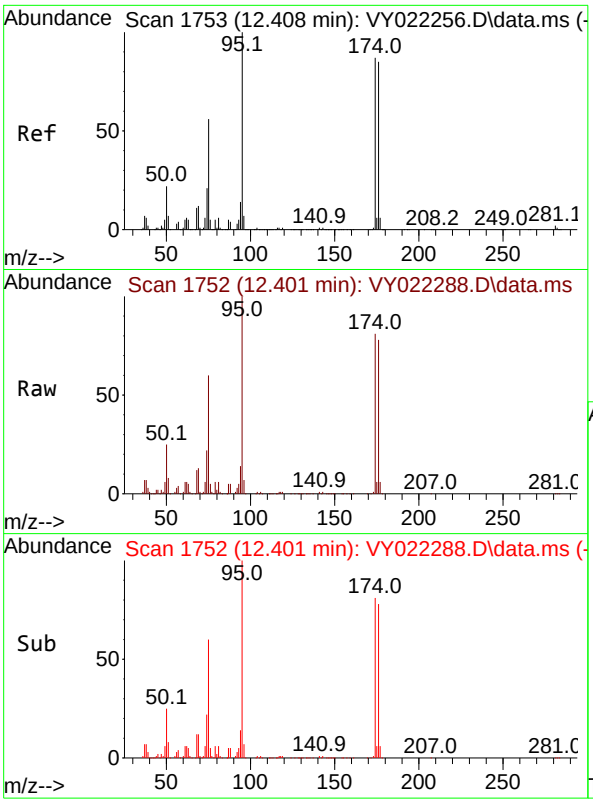


#50
Toluene-d8
Concen: 48.176 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022288.D
Acq: 16 May 2025 14:04

Tgt Ion: 98 Resp: 558787

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.8	77.8



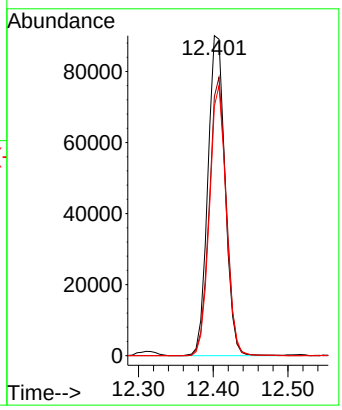


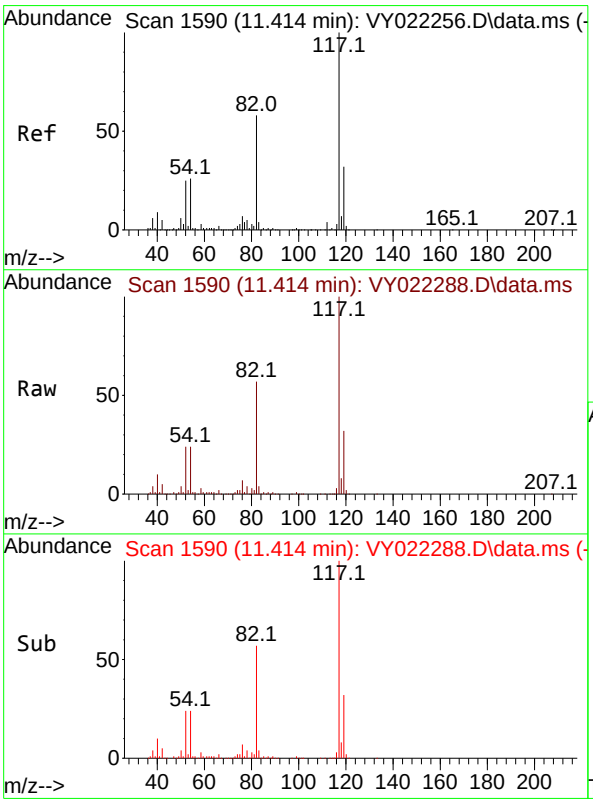
#62
4-Bromofluorobenzene
Concen: 39.250 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022288.D
Acq: 16 May 2025 14:04

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion: 95 Resp: 144300

Ion	Ratio	Lower	Upper
95	100		
174	85.7	0.0	166.8
176	81.9	0.0	160.8

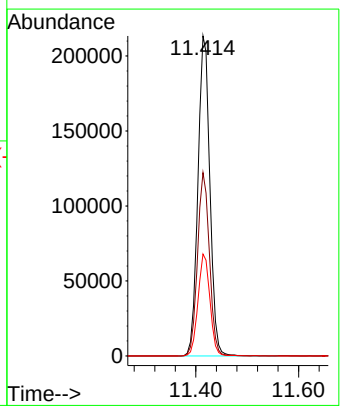


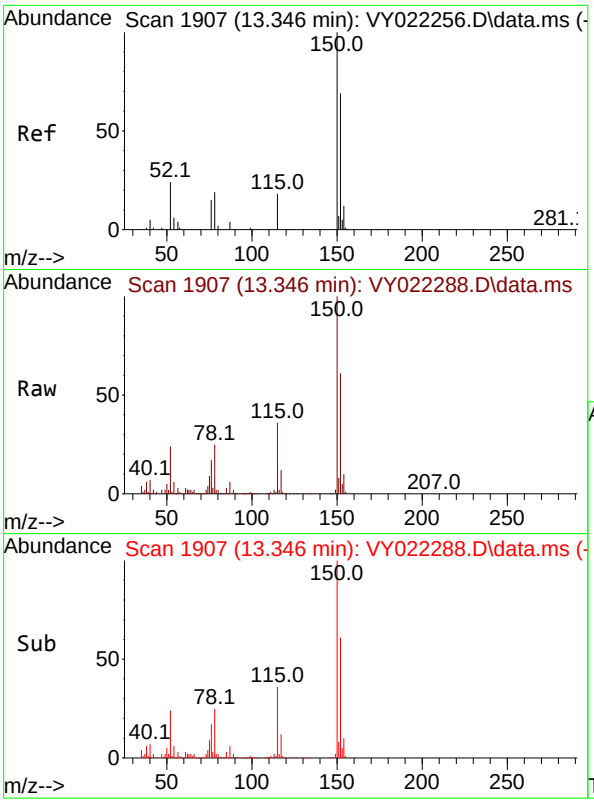


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022288.D
Acq: 16 May 2025 14:04

Tgt Ion:117 Resp: 343745

Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.6	70.0
119	31.8	25.8	38.6



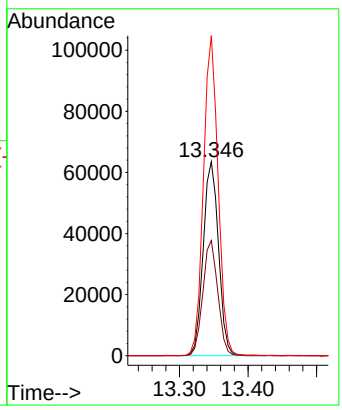


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022288.D
Acq: 16 May 2025 14:04

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion:152 Resp: 98736

Ion	Ratio	Lower	Upper
152	100		
115	58.0	29.4	88.2
150	158.4	0.0	353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022288.D
Acq On : 16 May 2025 14:04
Operator : SY/MD
Sample : Q1982-03
Misc : 11.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Title : SW846 8260

Signal : TIC: VY022288.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	rBV3	15905	36989	2.43%	0.505%
2	2.482	118	125	138	rBV8	26549	110933	7.29%	1.513%
3	7.634	960	970	976	rBV	205557	490408	32.23%	6.689%
4	7.707	976	982	995	rVB	358881	807878	53.09%	11.019%
5	8.061	1029	1040	1051	rBV	191070	421800	27.72%	5.753%
6	8.616	1121	1131	1142	rBV	564003	1136441	74.68%	15.501%
7	9.542	1276	1283	1293	rVB	21609	42204	2.77%	0.576%
8	9.670	1293	1304	1313	rBV2	32798	69148	4.54%	0.943%
9	9.884	1333	1339	1349	rVB5	7293	15581	1.02%	0.213%
10	10.042	1358	1365	1369	rBV	12346	22283	1.46%	0.304%
11	10.103	1369	1375	1391	rVB	897659	1521767	100.00%	20.757%
12	10.298	1399	1407	1413	rBV5	12137	22367	1.47%	0.305%
13	11.414	1582	1590	1600	rBV	701108	1140512	74.95%	15.557%
14	12.310	1732	1737	1745	rVB4	8566	15387	1.01%	0.210%
15	12.401	1745	1752	1765	rBV	496521	810244	53.24%	11.052%
16	13.346	1901	1907	1917	rVB	422883	651612	42.82%	8.888%
17	15.736	2292	2299	2305	rVB7	8357	15847	1.04%	0.216%

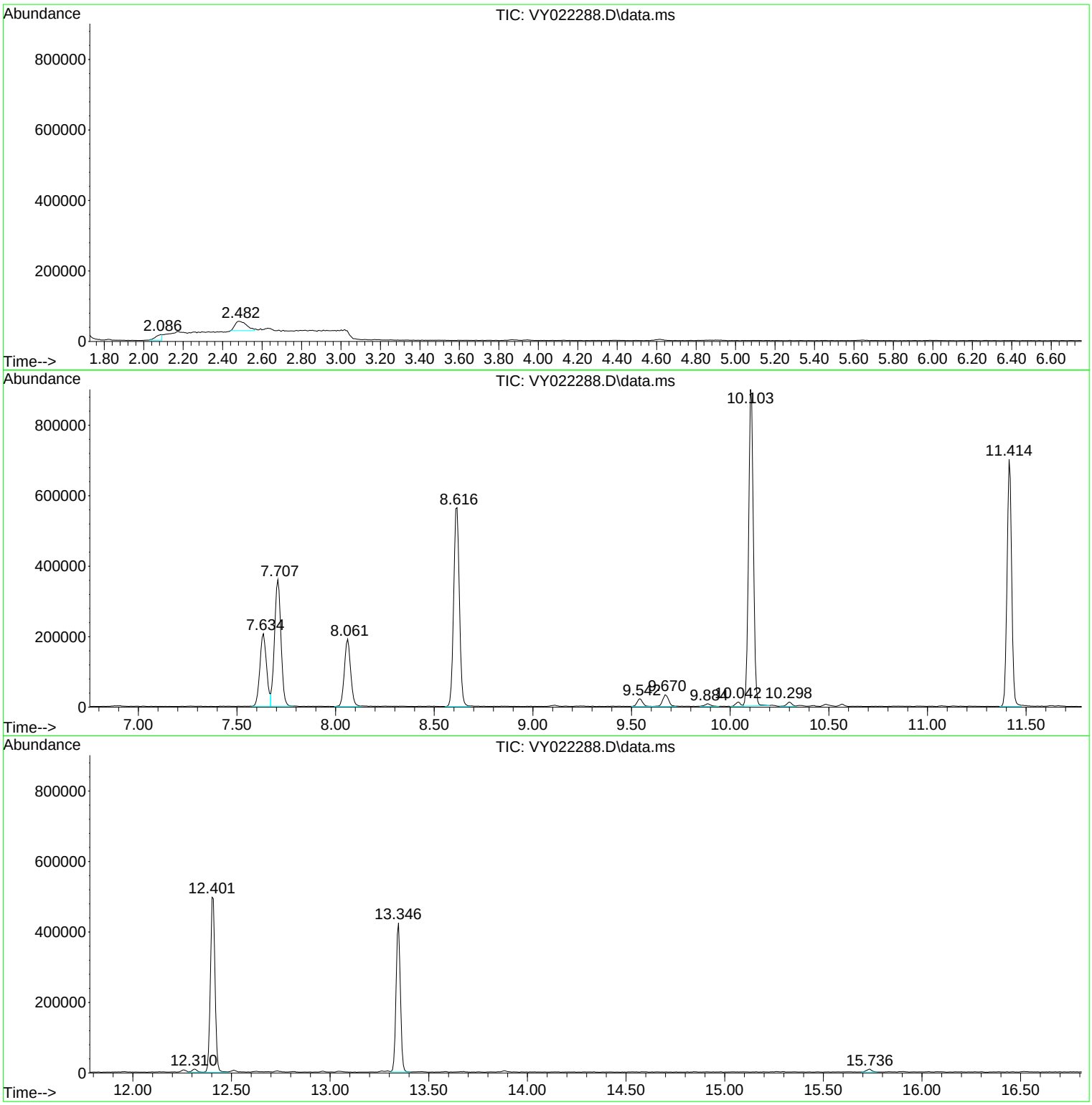
Sum of corrected areas: 7331401

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022288.D
Acq On : 16 May 2025 14:04
Operator : SY/MD
Sample : Q1982-03
Misc : 11.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022288.D
Acq On : 16 May 2025 14:04
Operator : SY/MD
Sample : Q1982-03
Misc : 11.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

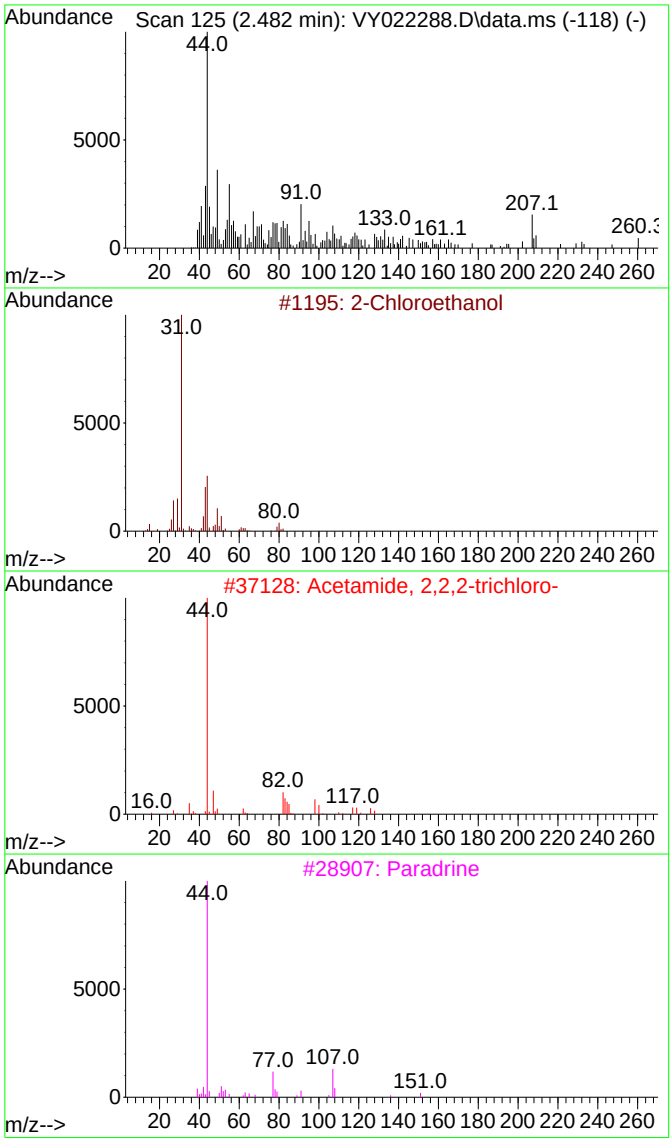
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

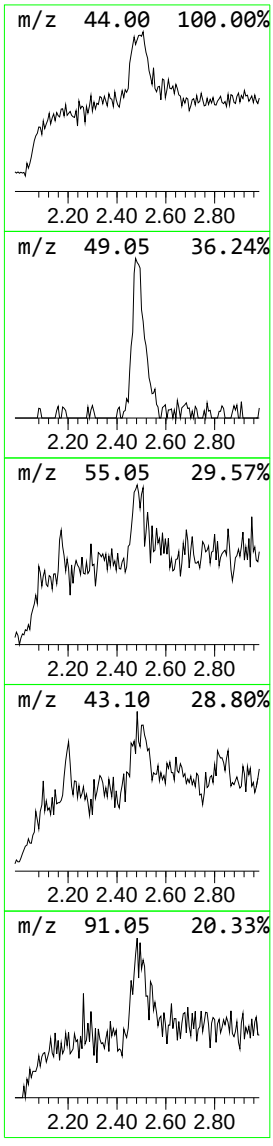
****

Peak Number 1 2-Chloroethanol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.482	6.87 ug/l	110933	Pentafluorobenzene	7.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Chloroethanol	80	C2H5ClO	000107-07-3	59
2	Acetamide, 2,2,2-trichloro-	161	C2H2Cl3NO	000594-65-0	35
3	Paradrine	151	C9H13NO	000103-86-6	27
4	(-)-Norephedrine	151	C9H13NO	000492-41-1	27
5	2-Amino-1-(o-methoxyphenyl)propane	165	C10H15NO	015402-84-3	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022288.D
Acq On : 16 May 2025 14:04
Operator : SY/MD
Sample : Q1982-03
Misc : 11.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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
2-Chloroethanol	2.482	6.9	ug/l	110933	1	7.707	807878	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022272.D
Acq On : 15 May 2025 18:19
Operator : SY/MD
Sample : Q1982-04
Misc : 11.69g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-4

Quant Time: May 16 01:59:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

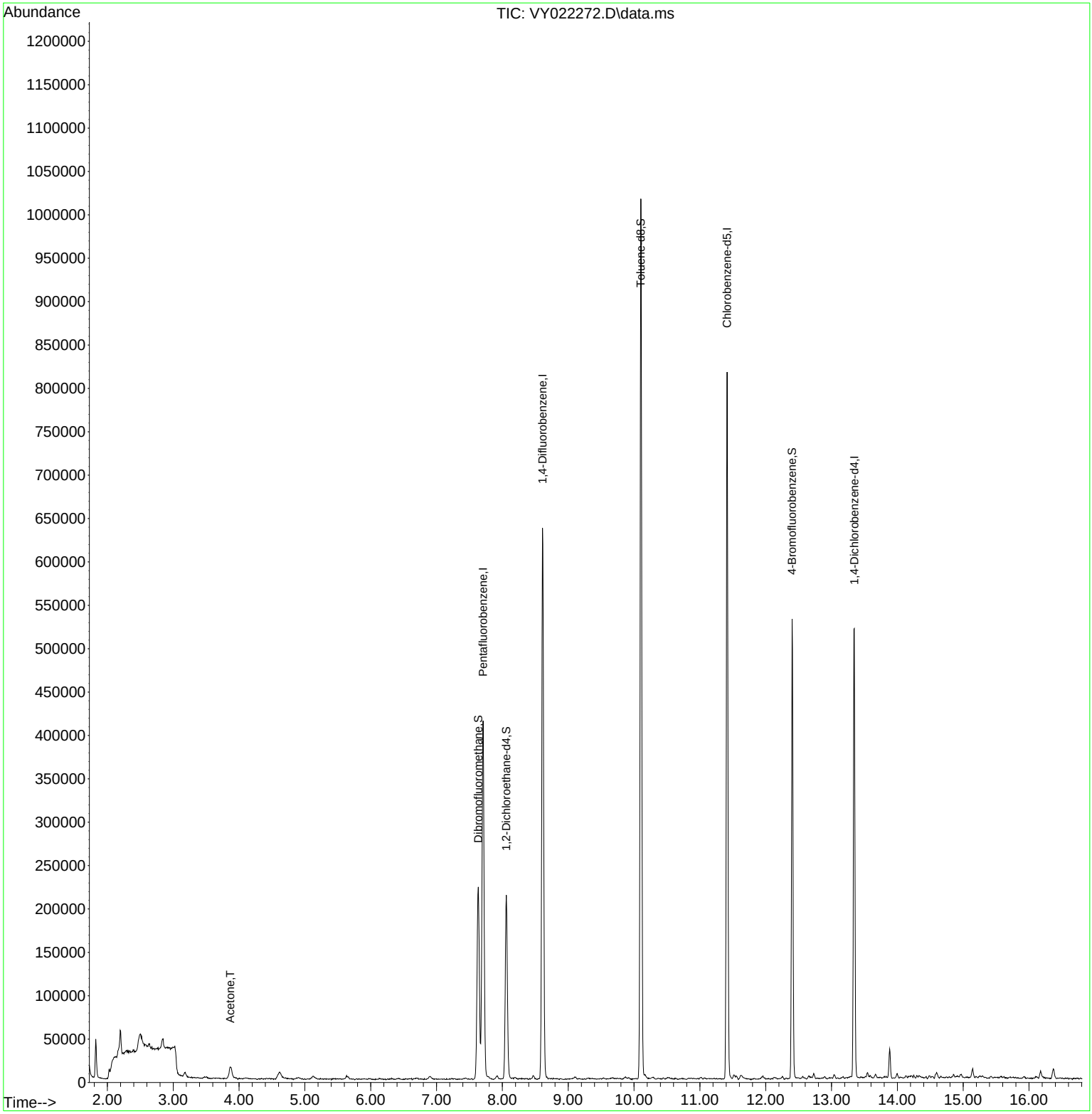
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	303248	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	528458	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	395320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	123883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	158040	47.685	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.380%		
35) Dibromofluoromethane	7.634	113	154540	48.996	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.000%		
50) Toluene-d8	10.103	98	622264	48.170	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.340%		
62) 4-Bromofluorobenzene	12.401	95	146308	35.732	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	71.460%		
Target Compounds						Qvalue
16) Acetone	3.866	43	26014	41.861	ug/l	98

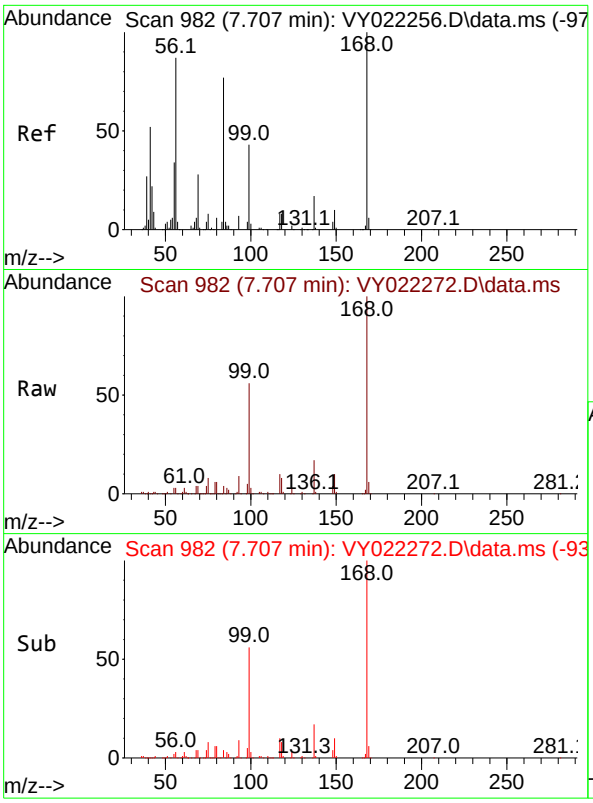
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022272.D
Acq On : 15 May 2025 18:19
Operator : SY/MD
Sample : Q1982-04
Misc : 11.69g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-4

Quant Time: May 16 01:59:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



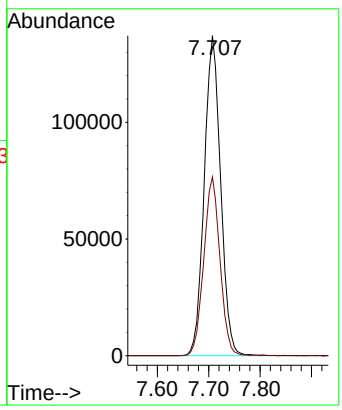


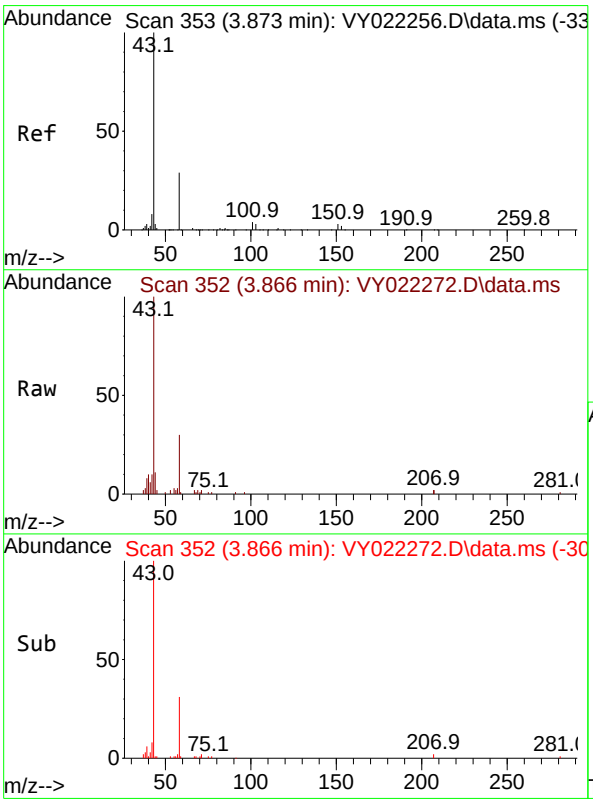
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022272.D
Acq: 15 May 2025 18:19

Instrument :
MSVOA_Y
ClientSampleId :
TP-4

Tgt Ion:168 Resp: 303248

Ion	Ratio	Lower	Upper
168	100		
99	55.9	44.2	66.4

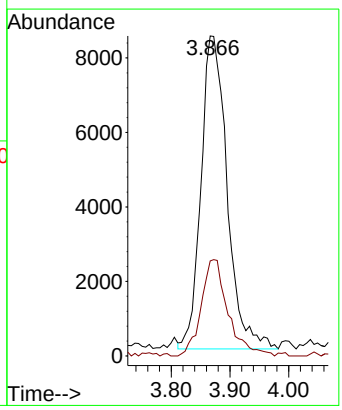


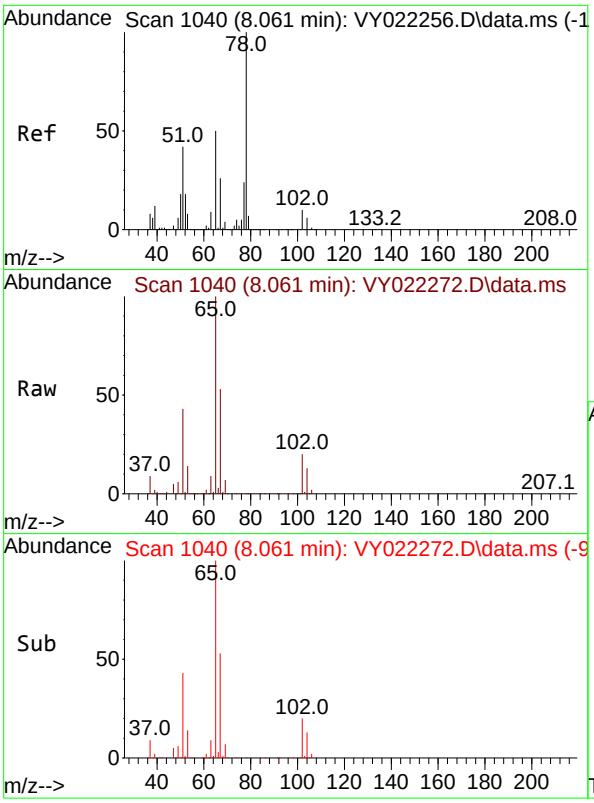


#16
Acetone
Concen: 41.861 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY022272.D
Acq: 15 May 2025 18:19

Tgt Ion: 43 Resp: 26014

Ion	Ratio	Lower	Upper
43	100		
58	30.4	23.6	35.4



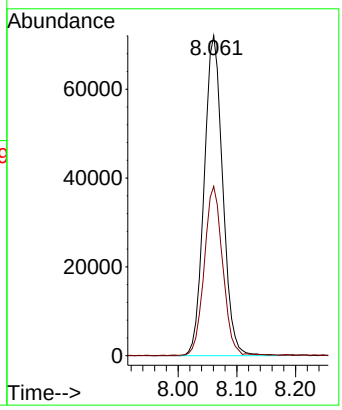


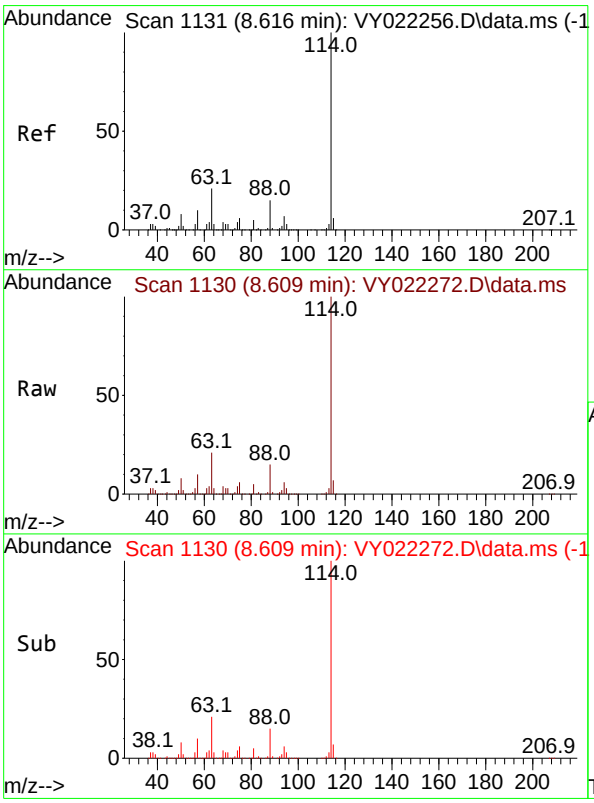
#33
1,2-Dichloroethane-d4
Concen: 47.685 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022272.D
Acq: 15 May 2025 18:19

Instrument :
MSVOA_Y
ClientSampleId :
TP-4

Tgt Ion: 65 Resp: 158040

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	104.6

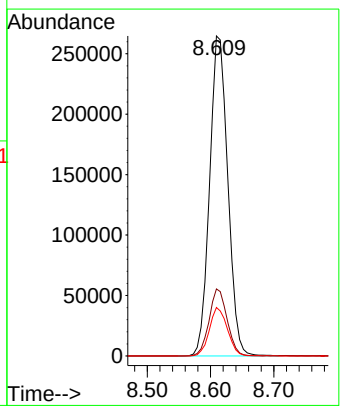


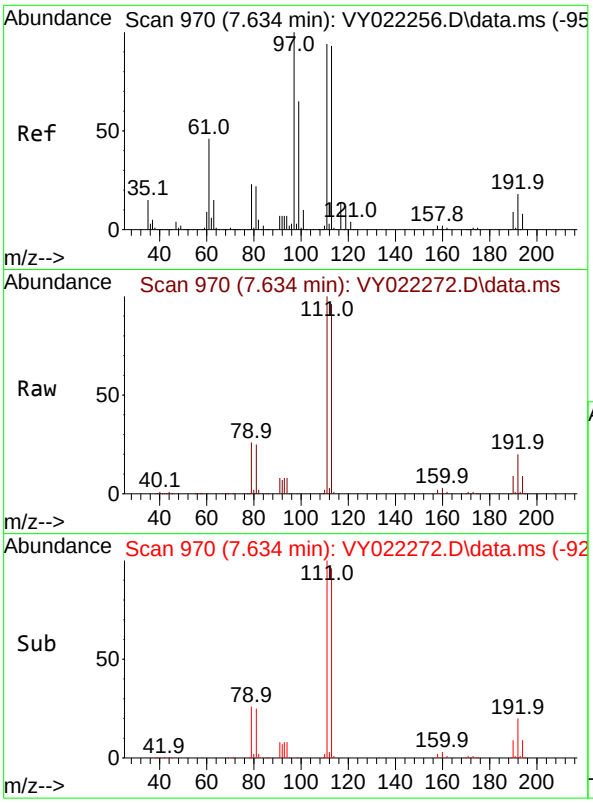


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022272.D
Acq: 15 May 2025 18:19

Tgt Ion:114 Resp: 528458

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	41.0
88	15.1	0.0	29.4



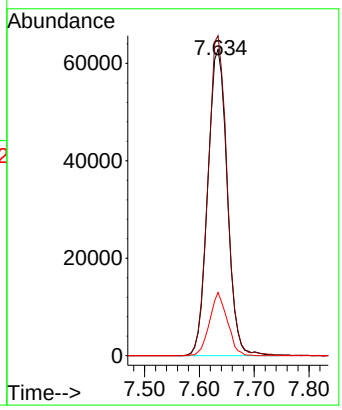


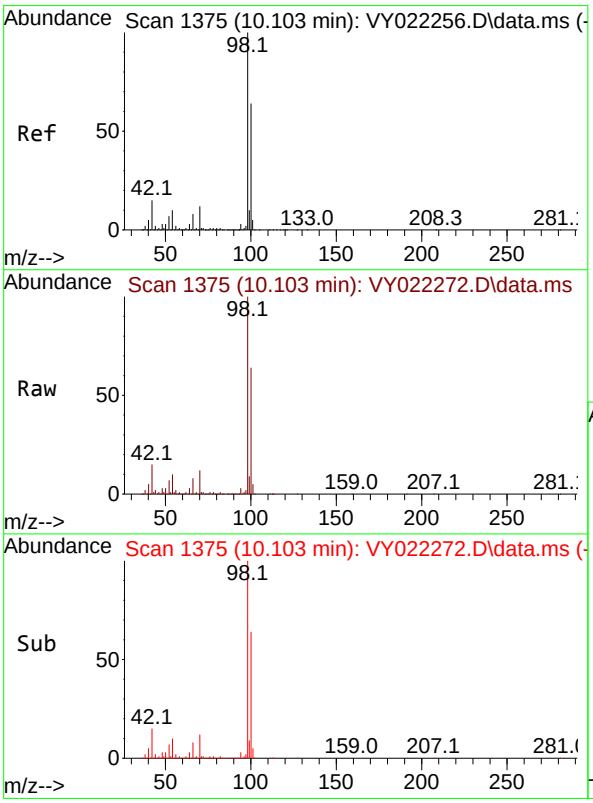
#35
Dibromofluoromethane
Concen: 48.996 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022272.D
Acq: 15 May 2025 18:19

Instrument :
MSVOA_Y
ClientSampleId :
TP-4

Tgt Ion:113 Resp: 154540

Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.6	123.8
192	18.9	15.2	22.8

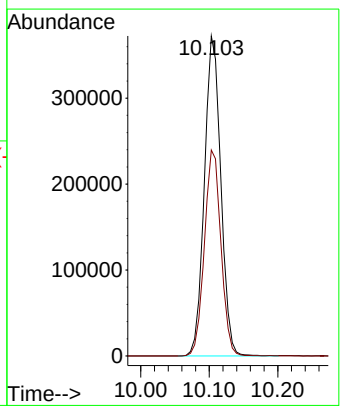


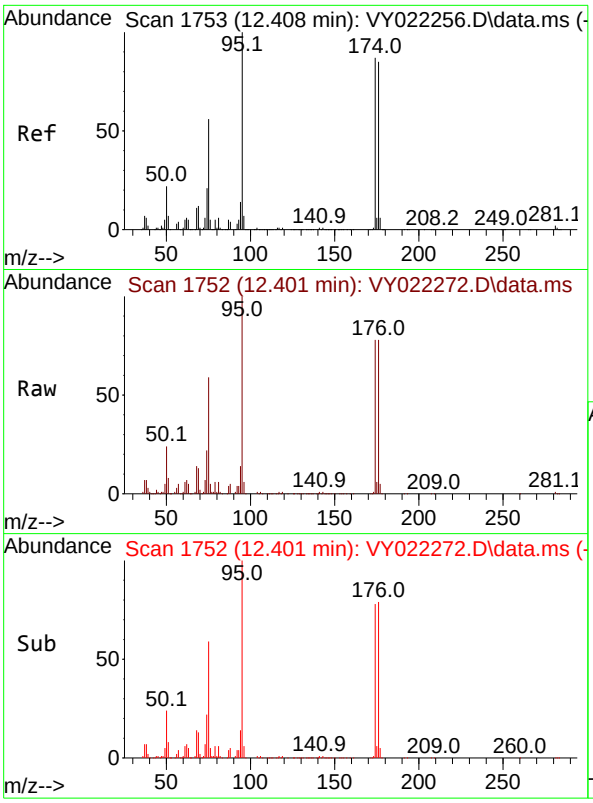


#50
Toluene-d8
Concen: 48.170 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022272.D
Acq: 15 May 2025 18:19

Tgt Ion: 98 Resp: 622264

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.8	77.8



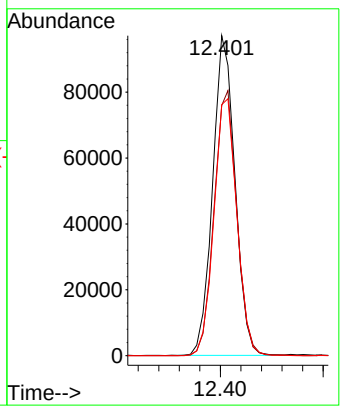


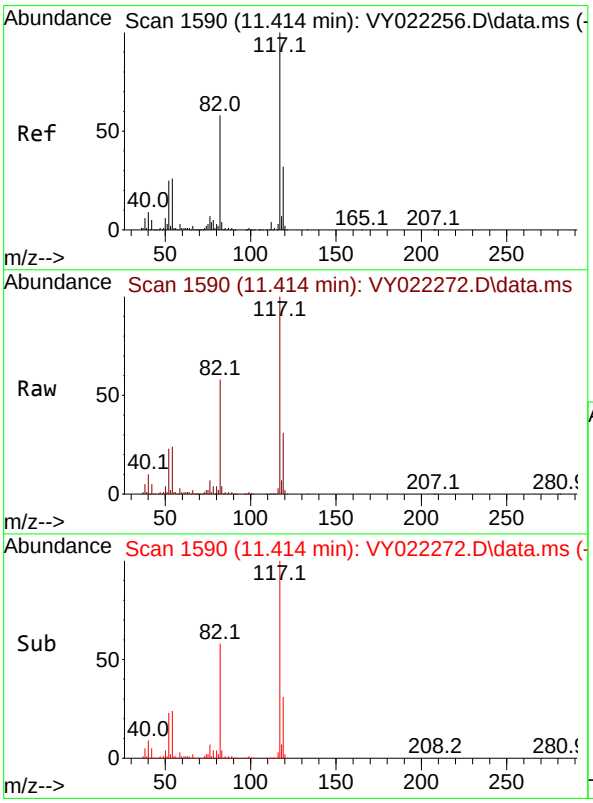
#62
4-Bromofluorobenzene
Concen: 35.732 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022272.D
Acq: 15 May 2025 18:19

Instrument :
MSVOA_Y
ClientSampleId :
TP-4

Tgt Ion: 95 Resp: 146308

Ion	Ratio	Lower	Upper
95	100		
174	84.3	0.0	166.8
176	82.7	0.0	160.8

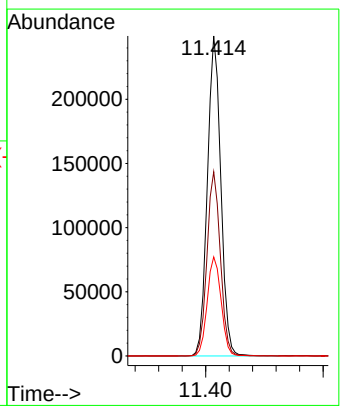


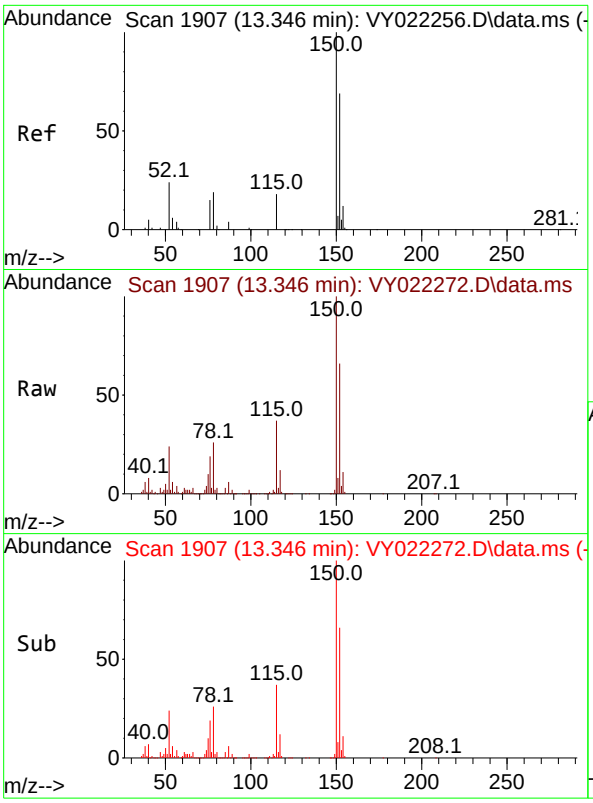


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022272.D
Acq: 15 May 2025 18:19

Tgt Ion:117 Resp: 395320

Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.6	70.0
119	30.9	25.8	38.6



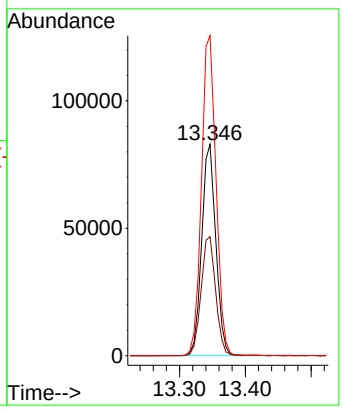


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022272.D
Acq: 15 May 2025 18:19

Instrument :
MSVOA_Y
ClientSampleId :
TP-4

Tgt Ion:152 Resp: 123883

Ion	Ratio	Lower	Upper
152	100		
115	58.2	29.4	88.2
150	156.1	0.0	353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022272.D
Acq On : 15 May 2025 18:19
Operator : SY/MD
Sample : Q1982-04
Misc : 11.69g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-4

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Title : SW846 8260

Signal : TIC: VY022272.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.824	12	17	27	rVB	44718	61163	3.58%	0.748%
2	2.110	52	64	65	rVV5	17154	55126	3.23%	0.674%
3	2.196	70	78	83	rVV	30644	75880	4.44%	0.928%
4	3.866	342	352	361	rBV2	13389	41798	2.45%	0.511%
5	4.616	465	475	482	rBV5	8356	30707	1.80%	0.376%
6	7.634	956	970	976	rBV	222089	547325	32.06%	6.693%
7	7.707	976	982	995	rVB	410890	899037	52.66%	10.994%
8	8.061	1031	1040	1053	rBV	211602	466483	27.32%	5.705%
9	8.609	1122	1130	1144	rVB	634939	1261427	73.88%	15.426%
10	10.103	1366	1375	1383	rBV	1014580	1707354	100.00%	20.879%
11	11.414	1582	1590	1603	rBV	814798	1310219	76.74%	16.022%
12	12.401	1746	1752	1761	rBV	529291	811607	47.54%	9.925%
13	13.346	1900	1907	1916	rVB	517504	810936	47.50%	9.917%
14	13.883	1990	1995	2001	rVB	33864	55270	3.24%	0.676%
15	15.145	2196	2202	2208	rVB2	10647	18165	1.06%	0.222%
16	16.370	2397	2403	2410	rVB4	11296	24895	1.46%	0.304%

Sum of corrected areas: 8177392

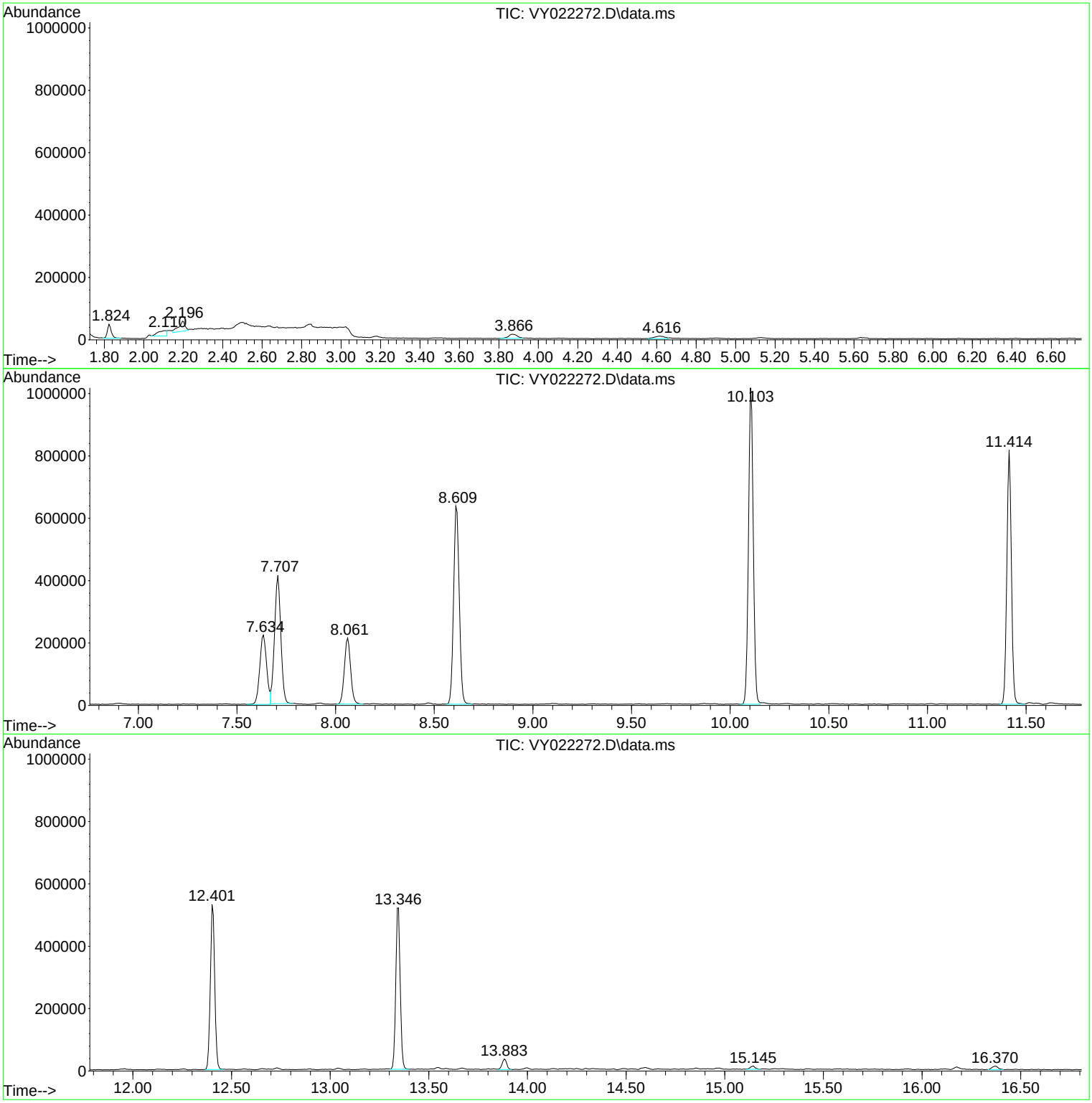
Sample Results: **VY022272.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022272.D
Acq On : 15 May 2025 18:19
Operator : SY/MD
Sample : Q1982-04
Misc : 11.69g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022272.D
Acq On : 15 May 2025 18:19
Operator : SY/MD
Sample : Q1982-04
Misc : 11.69g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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\VY051525\
Data File : VY022272.D
Acq On : 15 May 2025 18:19
Operator : SY/MD
Sample : Q1982-04
Misc : 11.69g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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\VY051525\
Data File : VY022273.D
Acq On : 15 May 2025 18:43
Operator : SY/MD
Sample : Q1982-05
Misc : 10.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-5

Quant Time: May 16 01:59:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

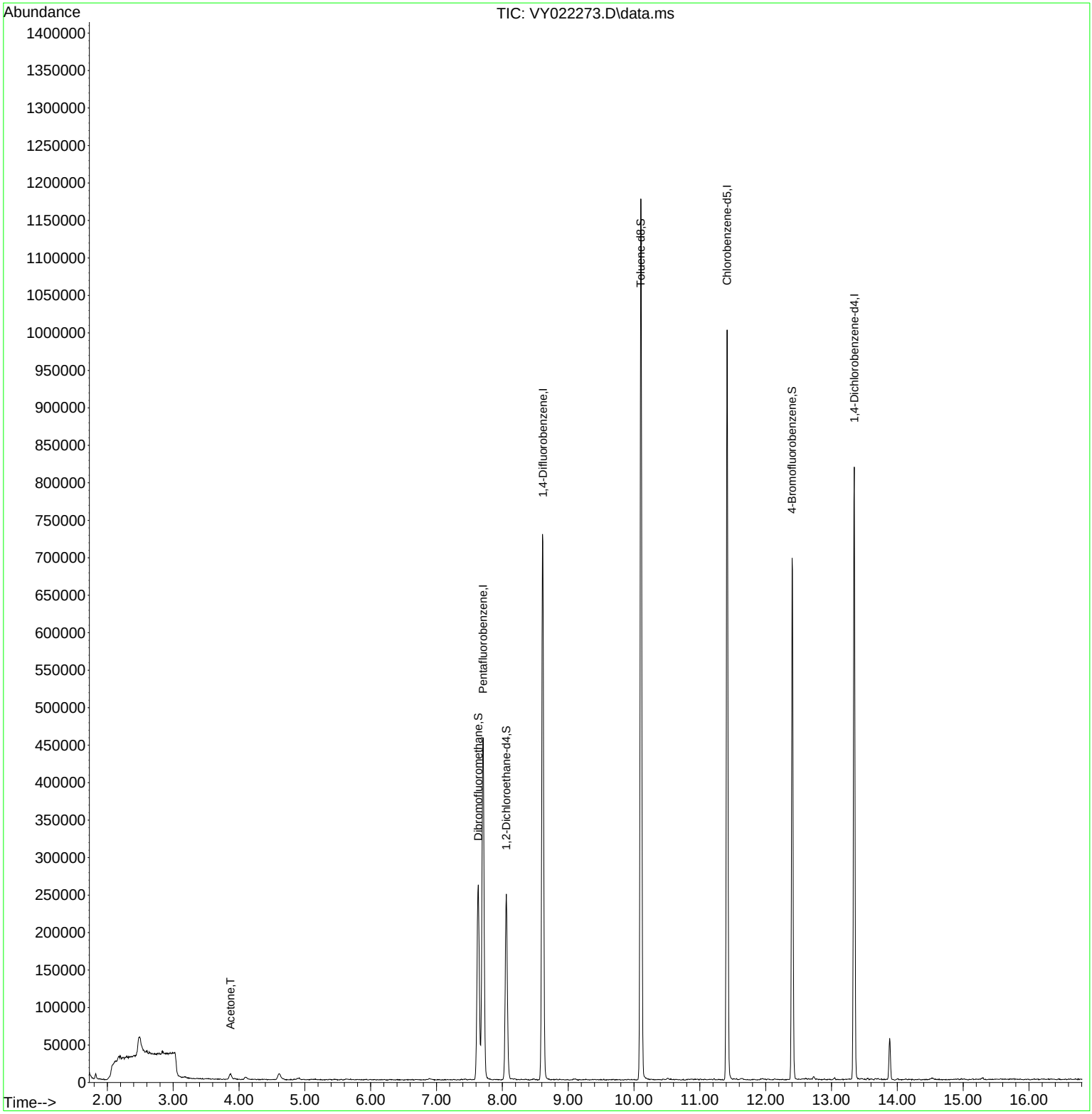
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	345998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	610490	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	492184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	188552	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	185906	49.163	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.320%			
35) Dibromofluoromethane	7.634	113	179801	49.345	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.680%			
50) Toluene-d8	10.103	98	727999	48.783	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.560%			
62) 4-Bromofluorobenzene	12.402	95	197627	41.780	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.560%			
Target Compounds						Qvalue
16) Acetone	3.873	43	12337	17.399	ug/l #	87

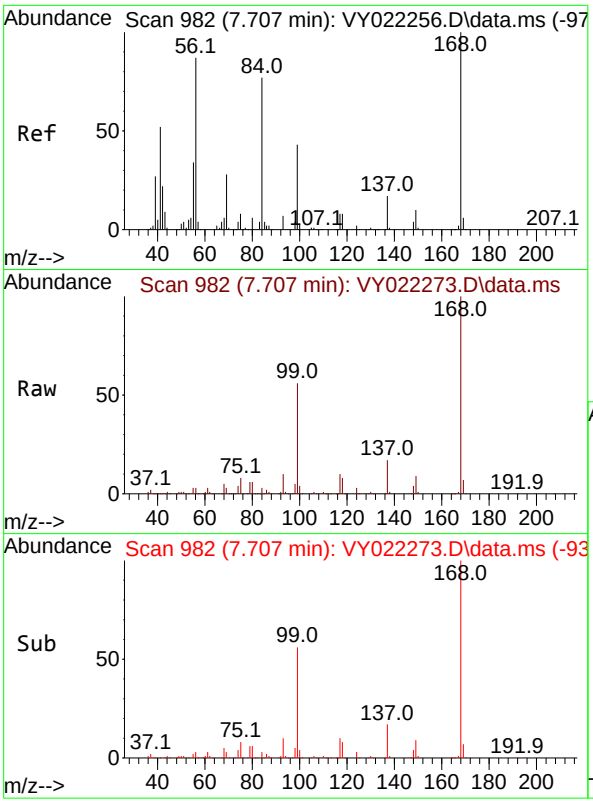
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022273.D
Acq On : 15 May 2025 18:43
Operator : SY/MD
Sample : Q1982-05
Misc : 10.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-5

Quant Time: May 16 01:59:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



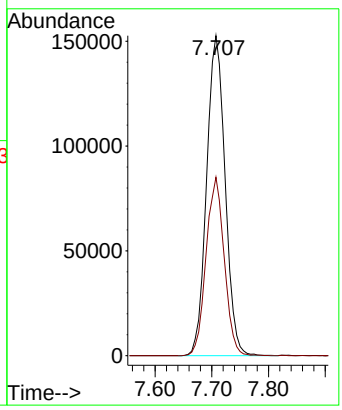


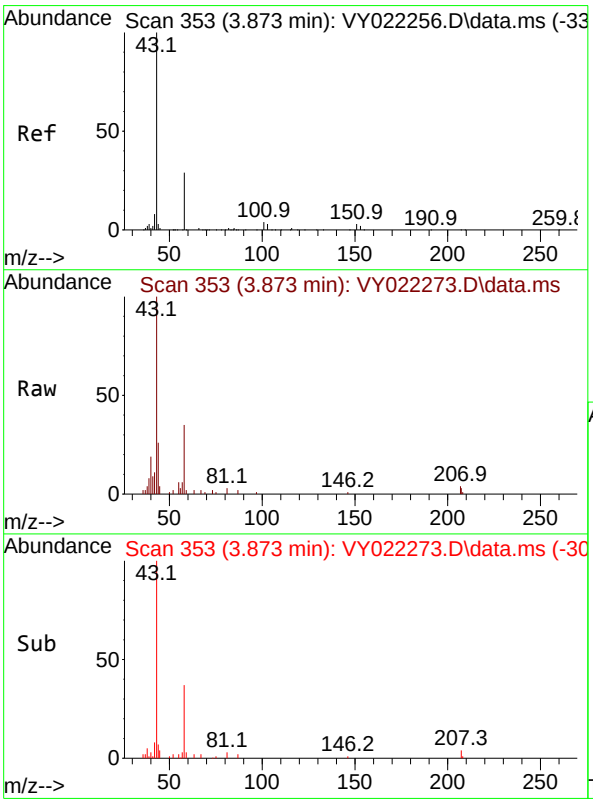
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

Instrument :
MSVOA_Y
ClientSampleId :
TP-5

Tgt Ion:168 Resp: 345998

Ion	Ratio	Lower	Upper
168	100		
99	55.8	44.2	66.4

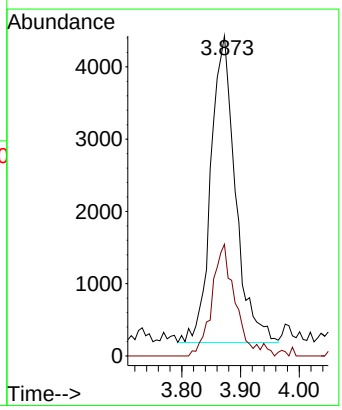


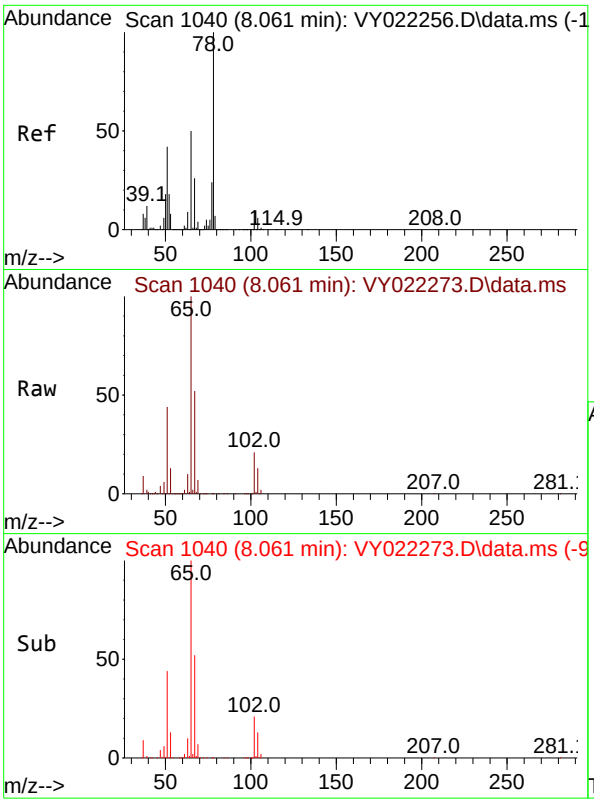


#16
Acetone
Concen: 17.399 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

Tgt Ion: 43 Resp: 12337

Ion	Ratio	Lower	Upper
43	100		
58	36.4	23.6	35.4#



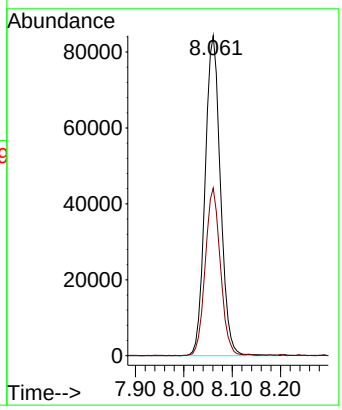


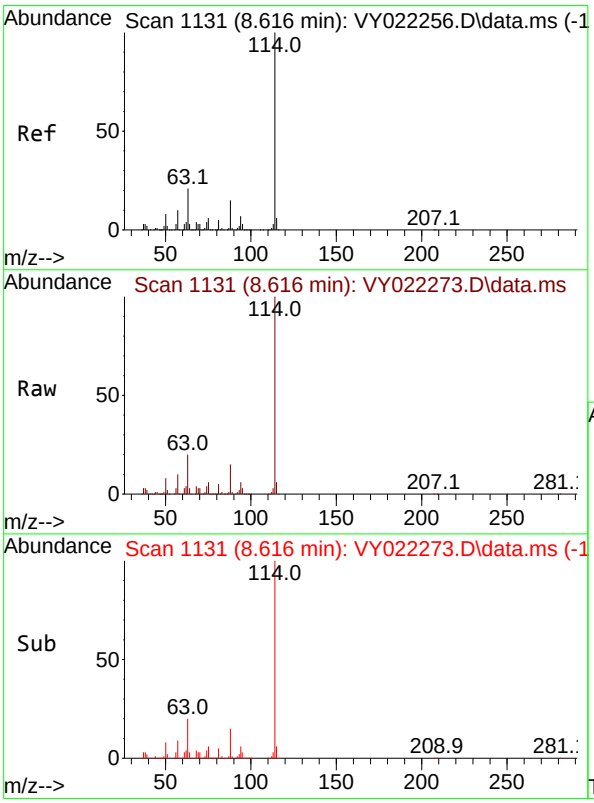
#33
1,2-Dichloroethane-d4
Concen: 49.163 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

Instrument :
MSVOA_Y
ClientSampleId :
TP-5

Tgt Ion: 65 Resp: 185906

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	104.6

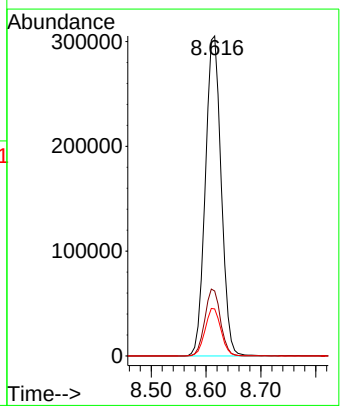


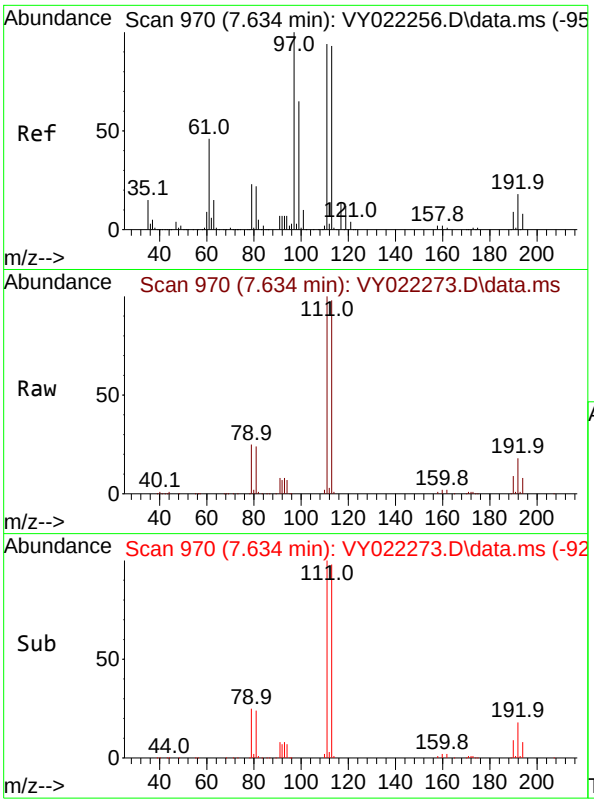


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

Tgt Ion:114 Resp: 610490

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	41.0
88	14.7	0.0	29.4



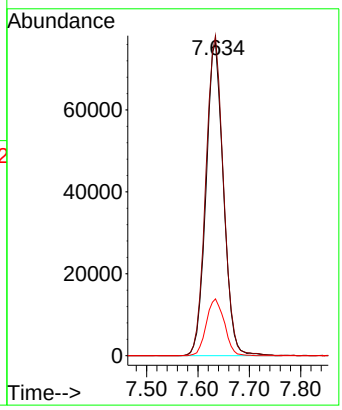


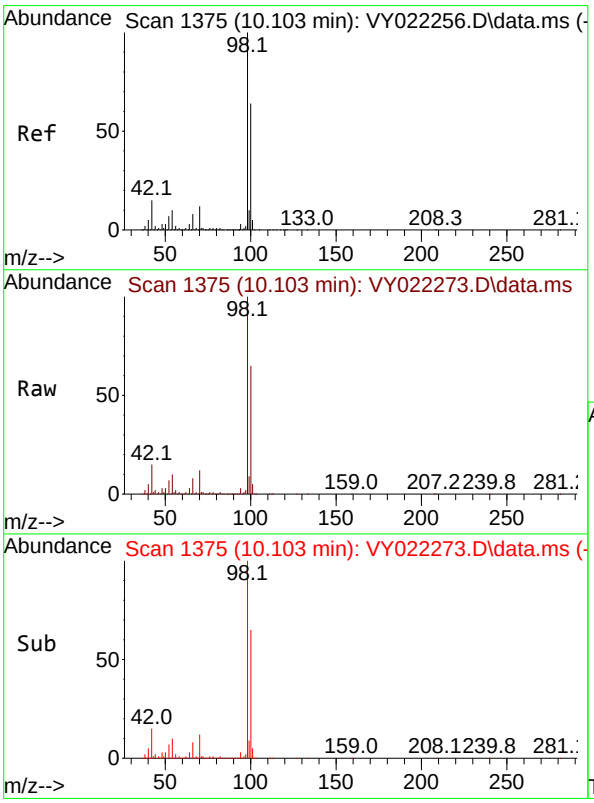
#35
Dibromofluoromethane
Concen: 49.345 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

Instrument :
MSVOA_Y
ClientSampleId :
TP-5

Tgt Ion:113 Resp: 179801

Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.6	123.8
192	18.8	15.2	22.8

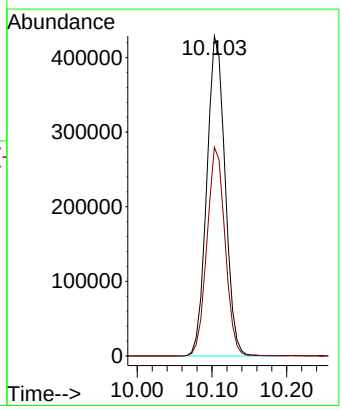


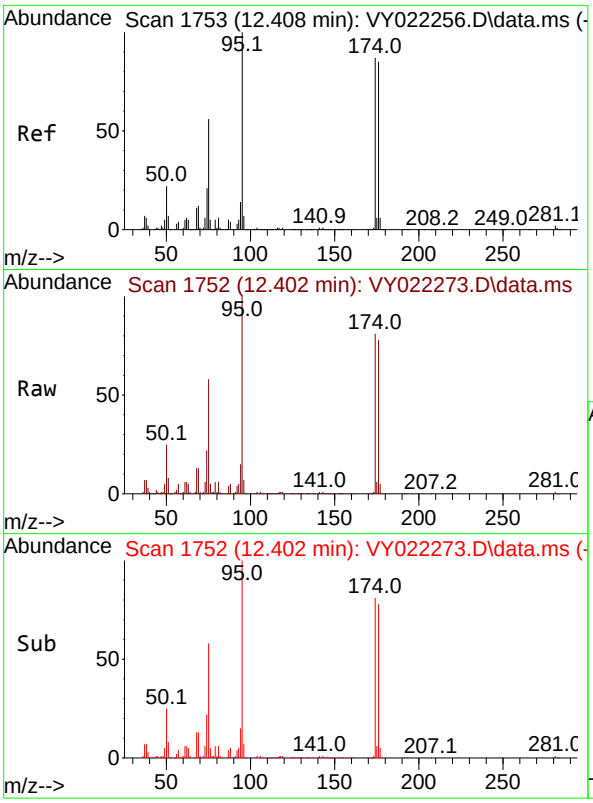


#50
Toluene-d8
Concen: 48.783 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

Tgt Ion: 98 Resp: 727999

Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.8	77.8



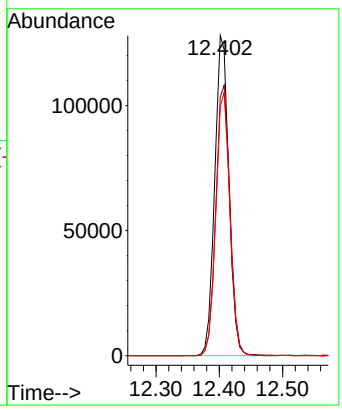


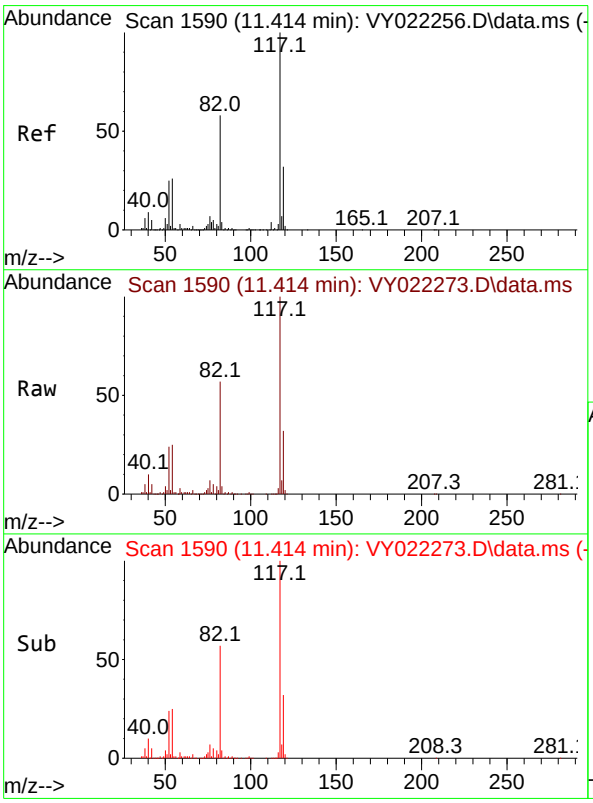
#62
4-Bromofluorobenzene
Concen: 41.780 ug/l
RT: 12.402 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

Instrument :
MSVOA_Y
ClientSampleId :
TP-5

Tgt Ion: 95 Resp: 197627

Ion	Ratio	Lower	Upper
95	100		
174	85.1	0.0	166.8
176	82.0	0.0	160.8

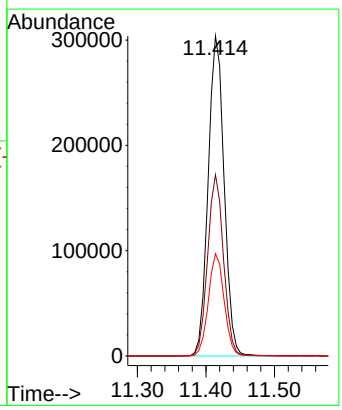


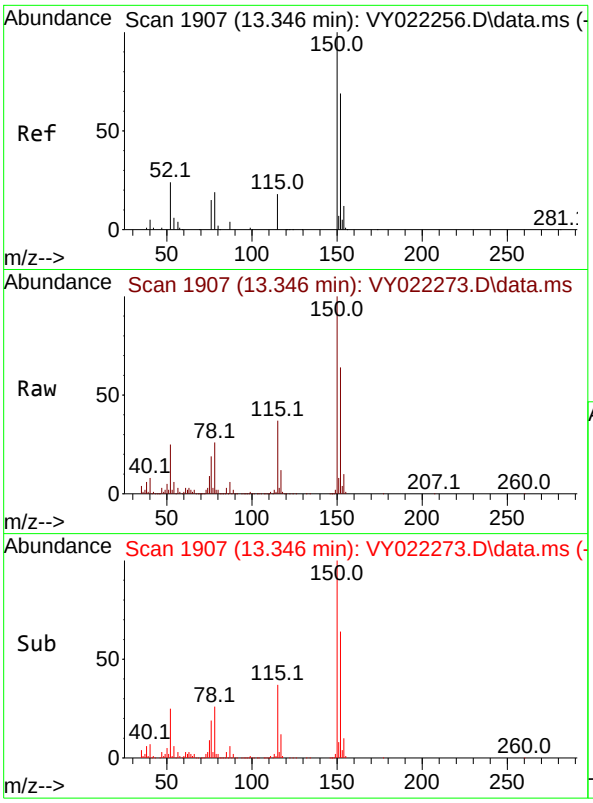


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

Tgt Ion:117 Resp: 492184

Ion	Ratio	Lower	Upper
117	100		
82	56.7	46.6	70.0
119	32.0	25.8	38.6



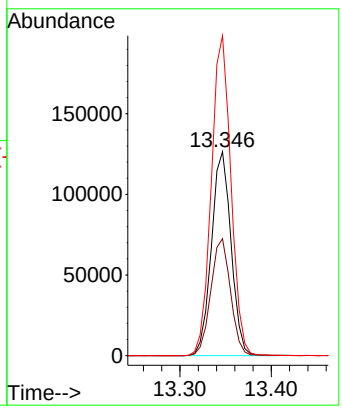


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

Instrument :
MSVOA_Y
ClientSampleId :
TP-5

Tgt Ion:152 Resp: 188552

Ion	Ratio	Lower	Upper
152	100		
115	57.7	29.4	88.2
150	156.8	0.0	353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022273.D
Acq On : 15 May 2025 18:43
Operator : SY/MD
Sample : Q1982-05
Misc : 10.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-5

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Title : SW846 8260

Signal : TIC: VY022273.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.489	120	126	135	rBV9	19943	64638	3.23%	0.659%
2	4.610	466	474	484	rBV3	7776	24938	1.24%	0.254%
3	7.634	959	970	976	rBV	260042	630933	31.50%	6.434%
4	7.707	976	982	998	rVB	455964	1026450	51.24%	10.468%
5	8.061	1026	1040	1050	rBV	247964	552092	27.56%	5.630%
6	8.610	1121	1130	1145	rBV	728063	1456618	72.71%	14.855%
7	10.103	1366	1375	1387	rBV	1175402	2003199	100.00%	20.429%
8	11.414	1580	1590	1604	rBV	1000913	1620476	80.89%	16.526%
9	12.402	1745	1752	1763	rBV	695485	1100043	54.91%	11.219%
10	13.346	1896	1907	1916	rBV	817010	1237156	61.76%	12.617%
11	13.883	1989	1995	2001	rVB2	55068	89021	4.44%	0.908%

Sum of corrected areas: 9805564

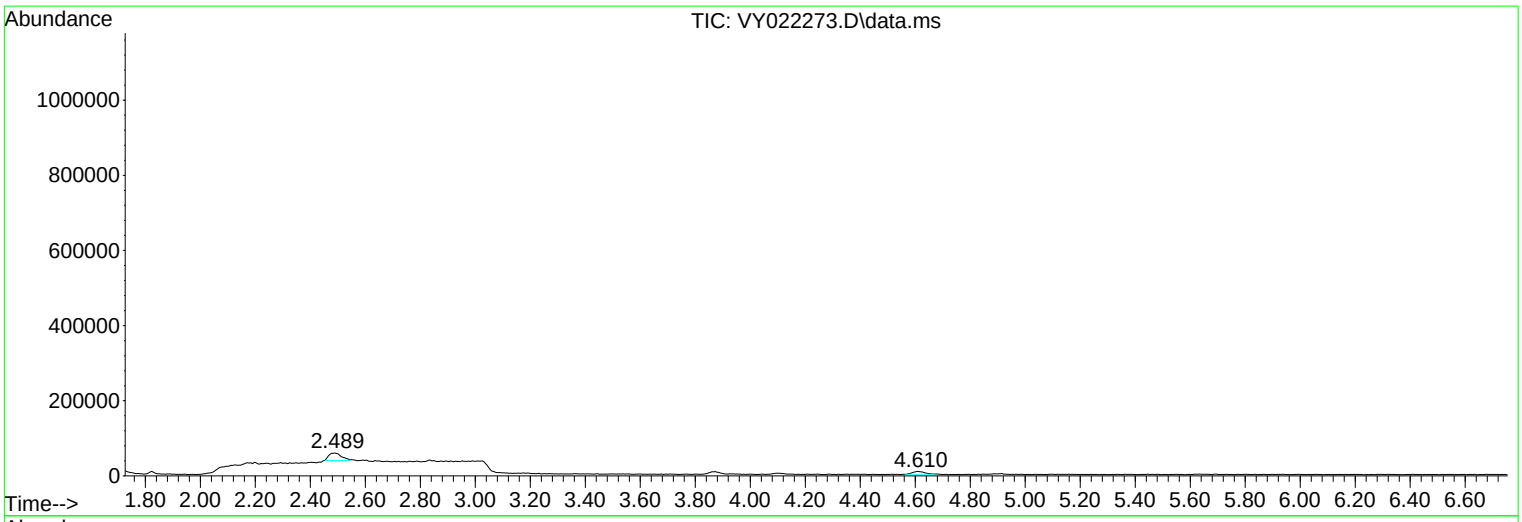
Sample Results: **VY022273.D**

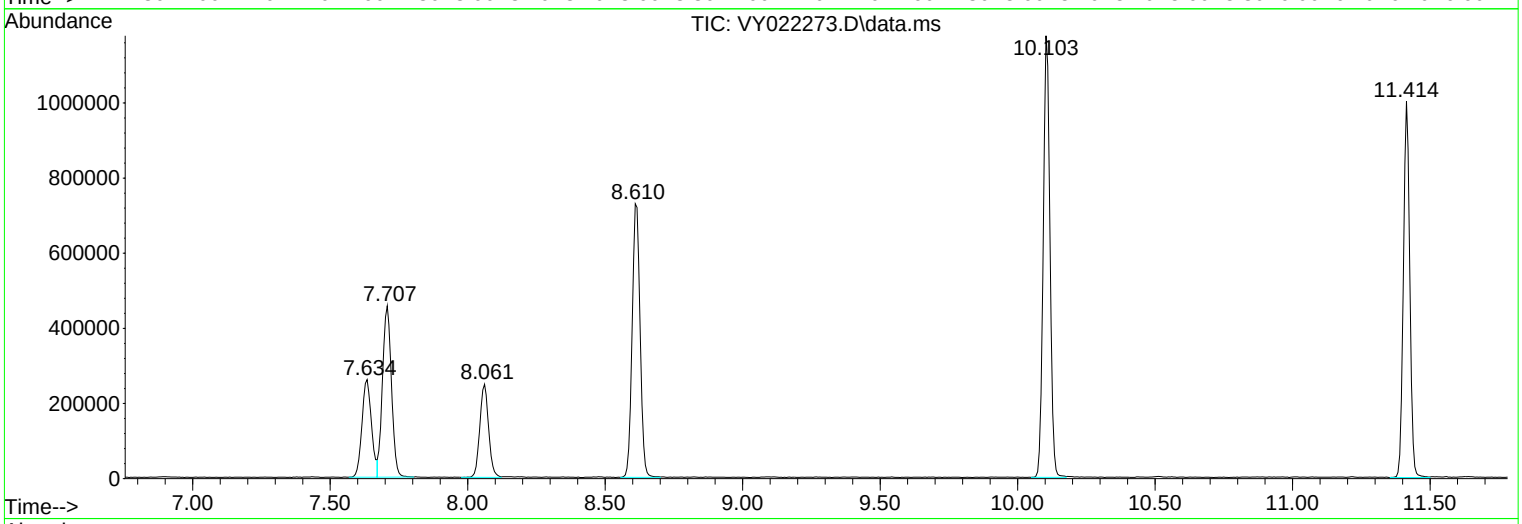
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022273.D
Acq On : 15 May 2025 18:43
Operator : SY/MD
Sample : Q1982-05
Misc : 10.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

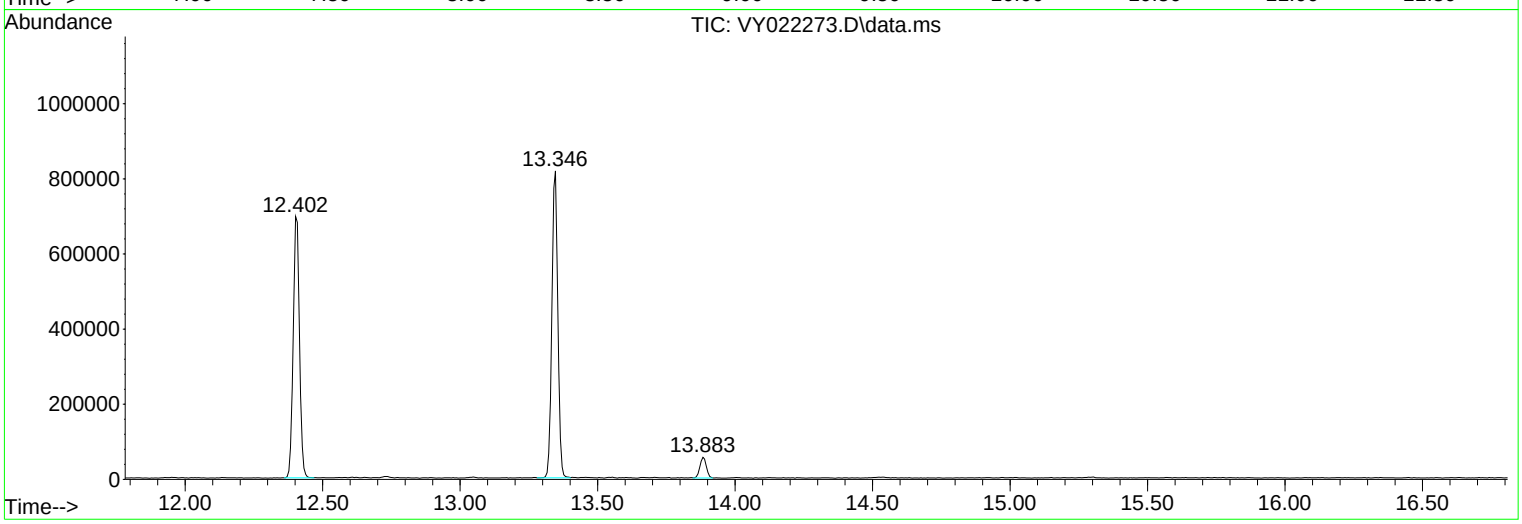
Instrument :
MSVOA_Y
ClientSampleId :
TP-5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022273.D
Acq On : 15 May 2025 18:43
Operator : SY/MD
Sample : Q1982-05
Misc : 10.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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\VY051525\
Data File : VY022273.D
Acq On : 15 May 2025 18:43
Operator : SY/MD
Sample : Q1982-05
Misc : 10.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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\VY051525\
Data File : VY022274.D
Acq On : 15 May 2025 19:06
Operator : SY/MD
Sample : Q1982-06
Misc : 3.24g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-6

Quant Time: May 16 02:00:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

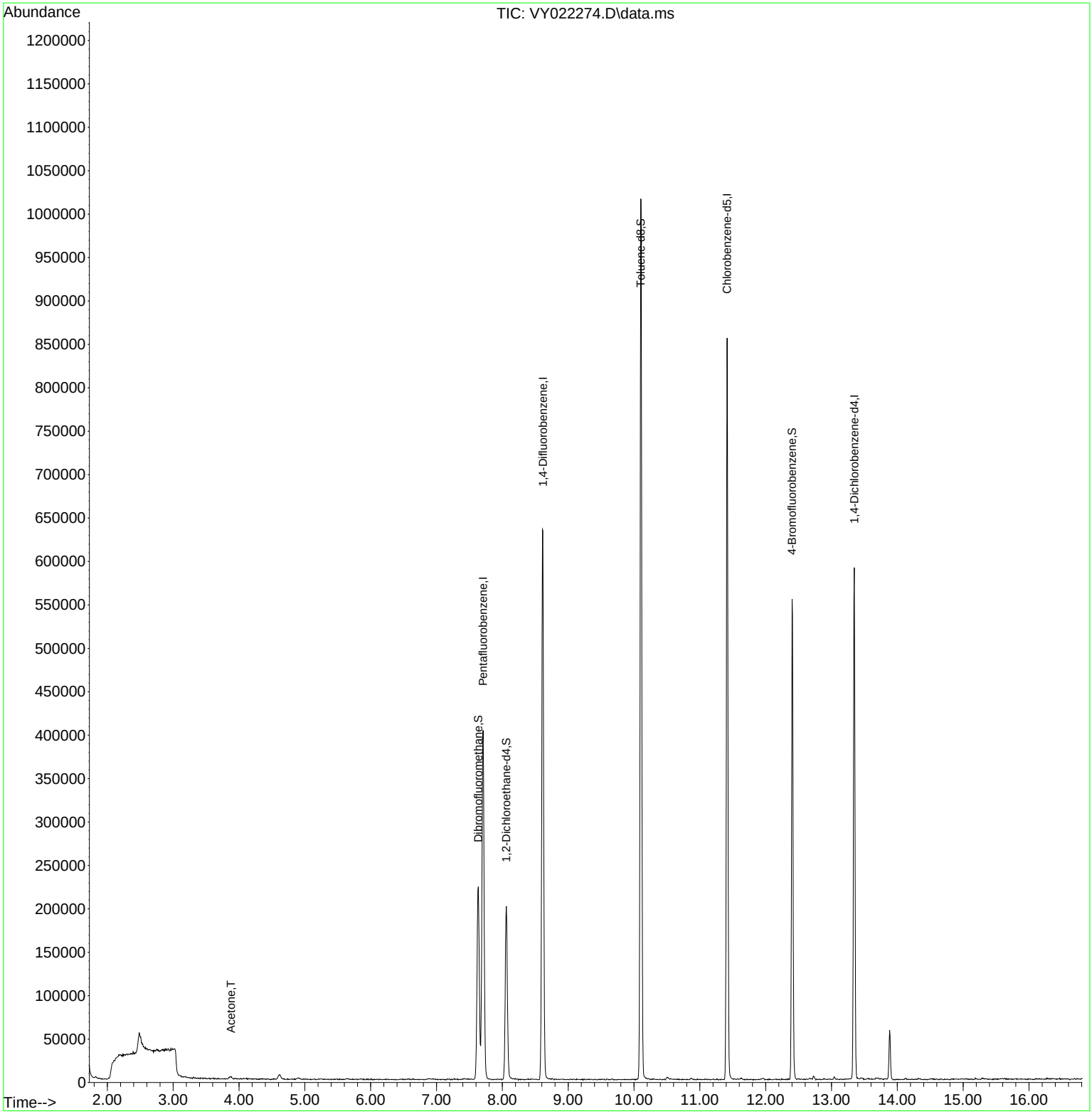
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	302935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	529384	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	407189	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	138768	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150422	45.434	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 90.860%			
35) Dibromofluoromethane	7.634	113	156818	49.631	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.260%			
50) Toluene-d8	10.103	98	631509	48.800	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.600%			
62) 4-Bromofluorobenzene	12.402	95	155235	37.846	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 75.700%			
Target Compounds						Qvalue
16) Acetone	3.879	43	5797	9.338	ug/l	91

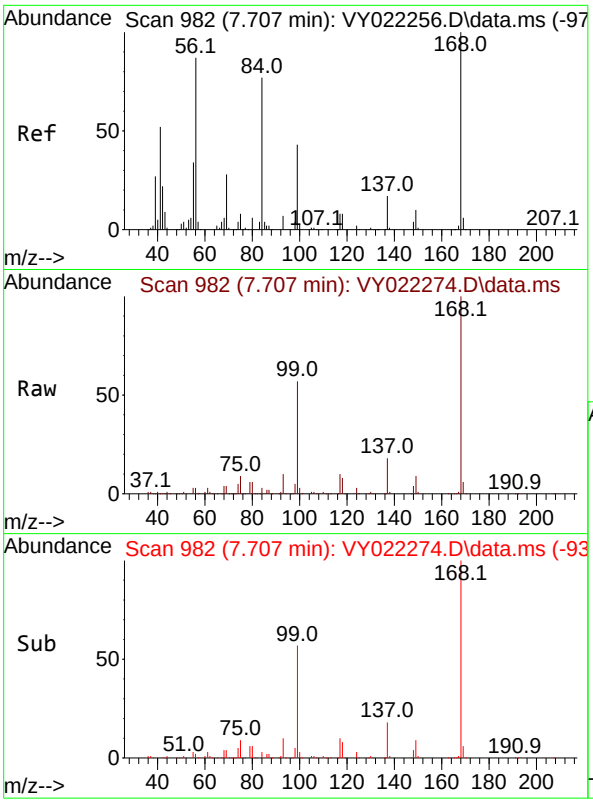
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022274.D
Acq On : 15 May 2025 19:06
Operator : SY/MD
Sample : Q1982-06
Misc : 3.24g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-6

Quant Time: May 16 02:00:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



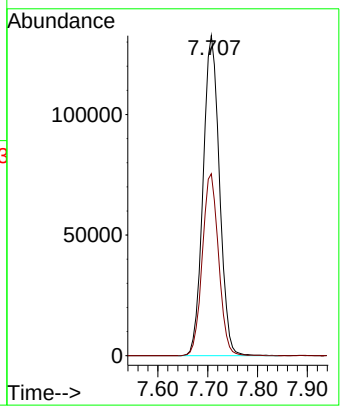


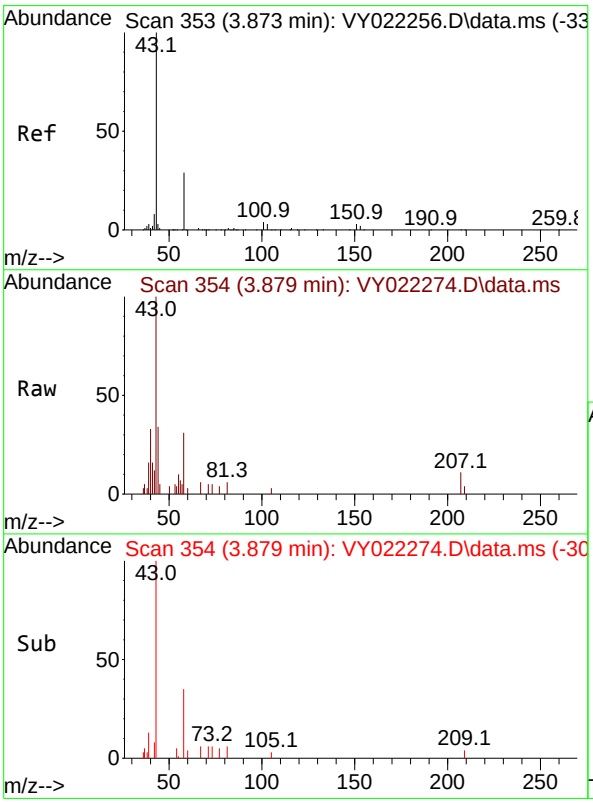
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022274.D
Acq: 15 May 2025 19:06

Instrument :
MSVOA_Y
ClientSampleId :
TP-6

Tgt Ion:168 Resp: 302935

Ion	Ratio	Lower	Upper
168	100		
99	56.9	44.2	66.4

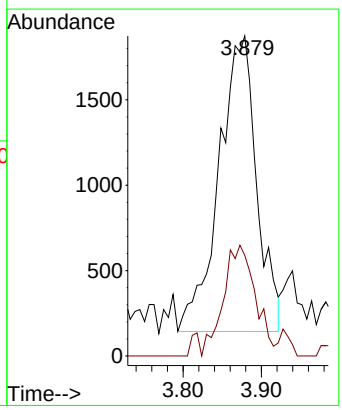


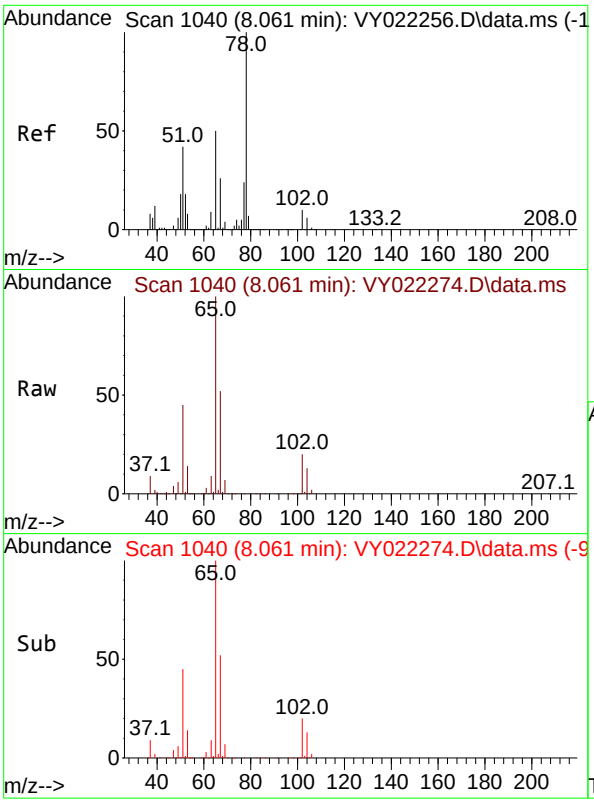


#16
Acetone
Concen: 9.338 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022274.D
Acq: 15 May 2025 19:06

Tgt Ion: 43 Resp: 5797

Ion	Ratio	Lower	Upper
43	100		
58	34.1	23.6	35.4



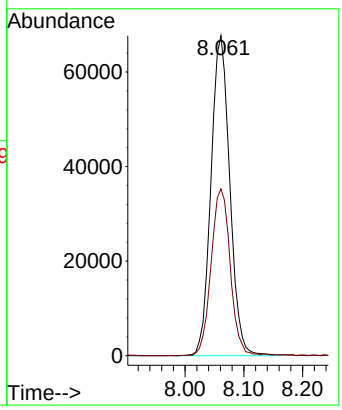


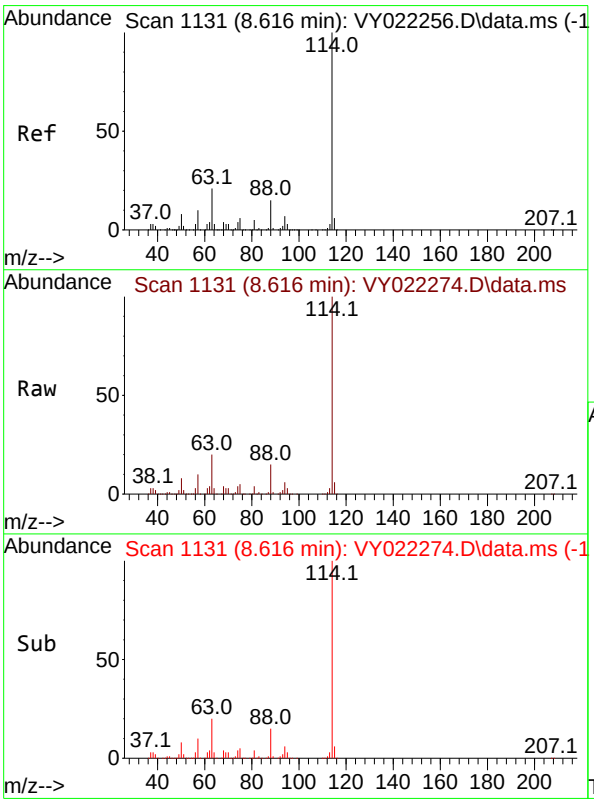
#33
1,2-Dichloroethane-d4
Concen: 45.434 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022274.D
Acq: 15 May 2025 19:06

Instrument :
MSVOA_Y
ClientSampleId :
TP-6

Tgt Ion: 65 Resp: 150422

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	104.6

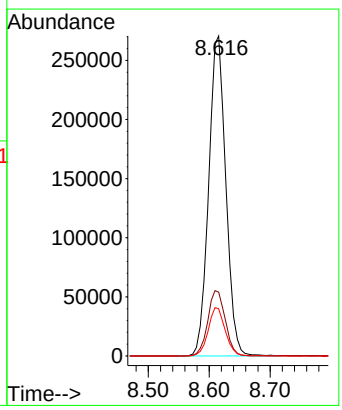


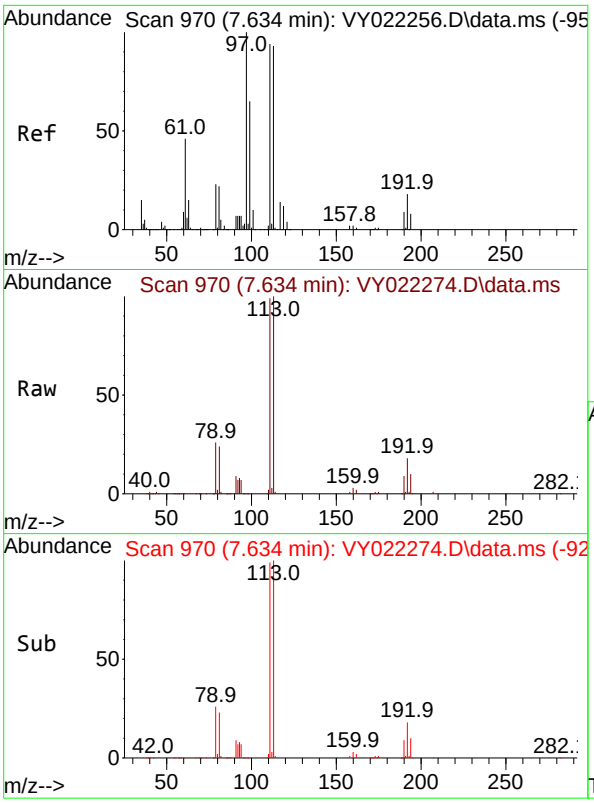


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022274.D
Acq: 15 May 2025 19:06

Tgt Ion:114 Resp: 529384

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	41.0
88	14.7	0.0	29.4



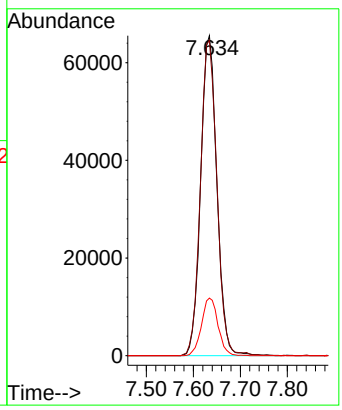


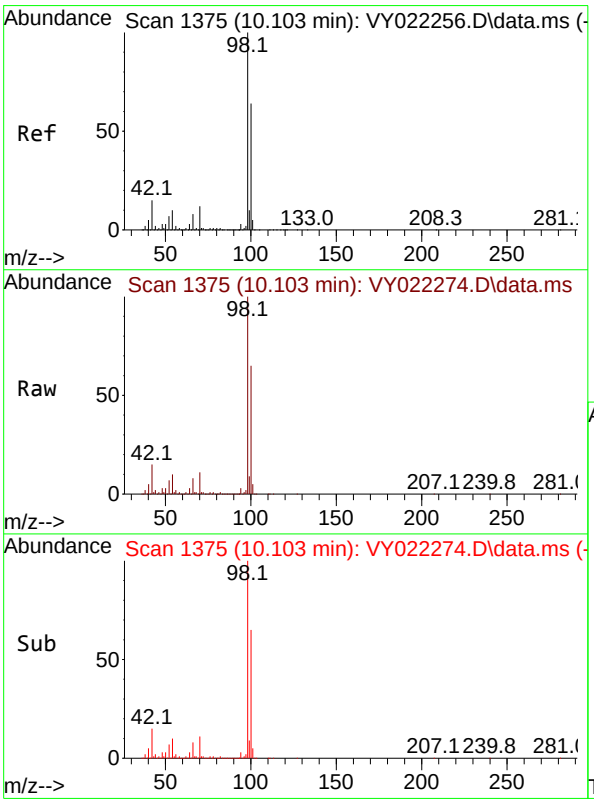
#35
Dibromofluoromethane
Concen: 49.631 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022274.D
Acq: 15 May 2025 19:06

Instrument :
MSVOA_Y
ClientSampleId :
TP-6

Tgt Ion:113 Resp: 156818

Ion	Ratio	Lower	Upper
113	100		
111	100.3	82.6	123.8
192	18.3	15.2	22.8

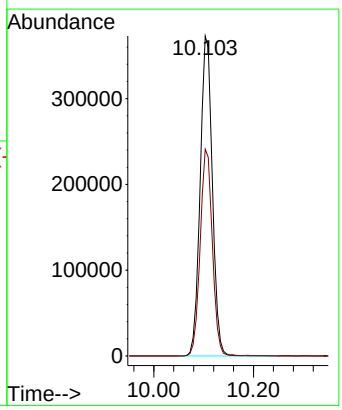


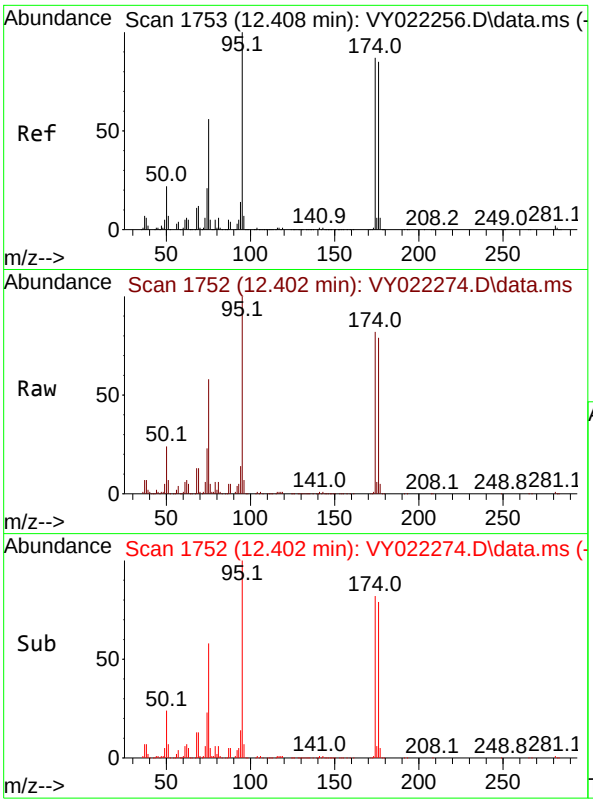


#50
Toluene-d8
Concen: 48.800 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022274.D
Acq: 15 May 2025 19:06

Tgt Ion: 98 Resp: 631509

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.8	77.8



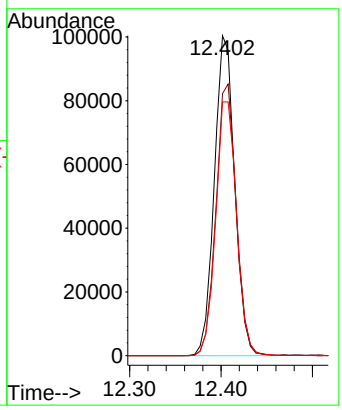


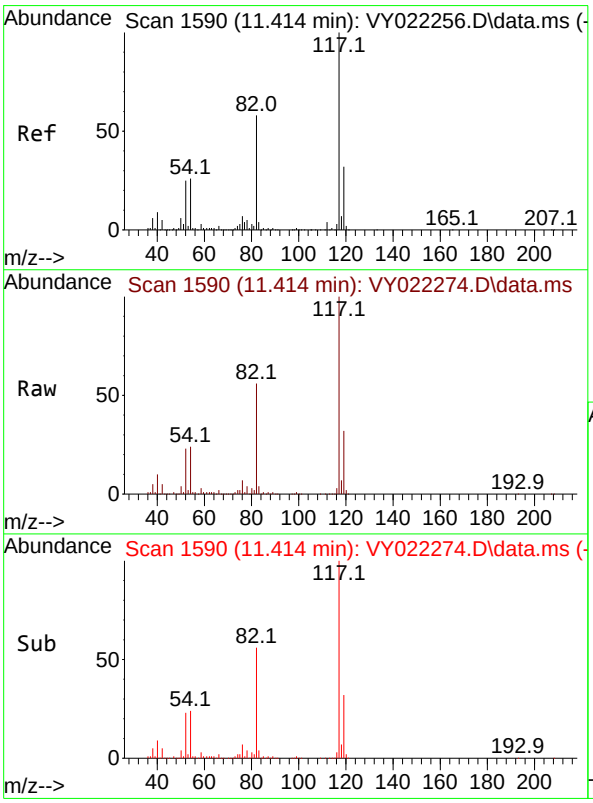
#62
4-Bromofluorobenzene
Concen: 37.846 ug/l
RT: 12.402 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022274.D
Acq: 15 May 2025 19:06

Instrument :
MSVOA_Y
ClientSampleId :
TP-6

Tgt Ion: 95 Resp: 155235

Ion	Ratio	Lower	Upper
95	100		
174	85.1	0.0	166.8
176	81.5	0.0	160.8

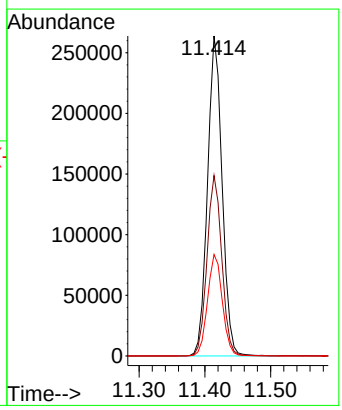


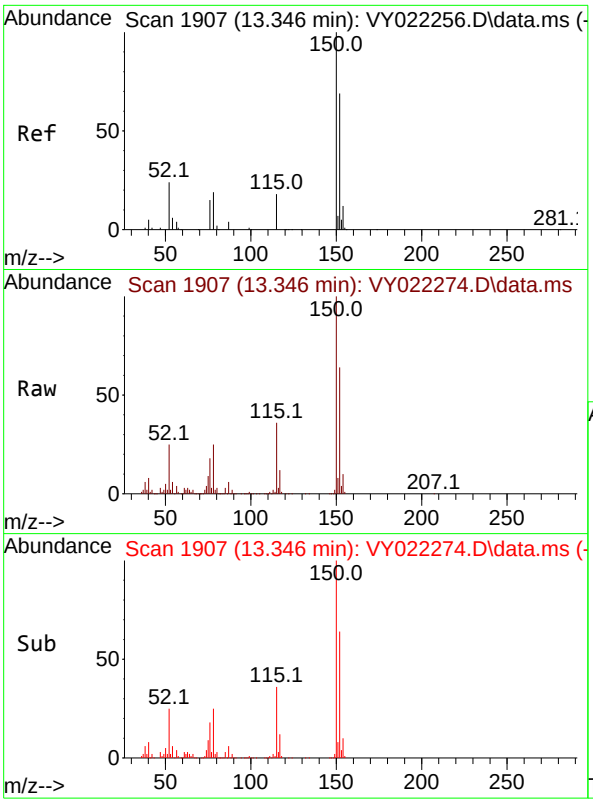


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022274.D
Acq: 15 May 2025 19:06

Tgt Ion:117 Resp: 407189

Ion	Ratio	Lower	Upper
117	100		
82	56.4	46.6	70.0
119	31.7	25.8	38.6



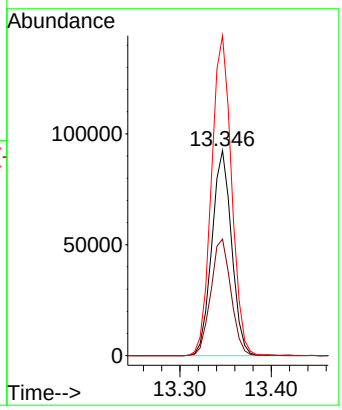


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022274.D
Acq: 15 May 2025 19:06

Instrument :
MSVOA_Y
ClientSampleId :
TP-6

Tgt Ion:152 Resp: 138768

Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.4	88.2
150	158.7	0.0	353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022274.D
Acq On : 15 May 2025 19:06
Operator : SY/MD
Sample : Q1982-06
Misc : 3.24g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-6

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Title : SW846 8260

Signal : TIC: VY022274.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	50	62	64	rBV5	20525	67606	3.92%	0.821%
2	2.483	121	125	136	rVB6	16468	44141	2.56%	0.536%
3	7.634	958	970	976	rBV	221930	538231	31.17%	6.538%
4	7.707	976	982	1000	rVB	401883	909657	52.68%	11.050%
5	8.061	1031	1040	1052	rBV	199287	447530	25.92%	5.436%
6	8.610	1121	1130	1146	rBV	633553	1268170	73.45%	15.405%
7	10.103	1367	1375	1387	rBV	1013712	1726670	100.00%	20.975%
8	11.414	1583	1590	1604	rBV	853997	1345947	77.95%	16.350%
9	12.402	1745	1752	1763	rBV	553170	876485	50.76%	10.647%
10	13.346	1898	1907	1914	rBV	588744	914292	52.95%	11.107%
11	13.883	1988	1995	2004	rVB2	57170	93292	5.40%	1.133%

Sum of corrected areas: 8232021

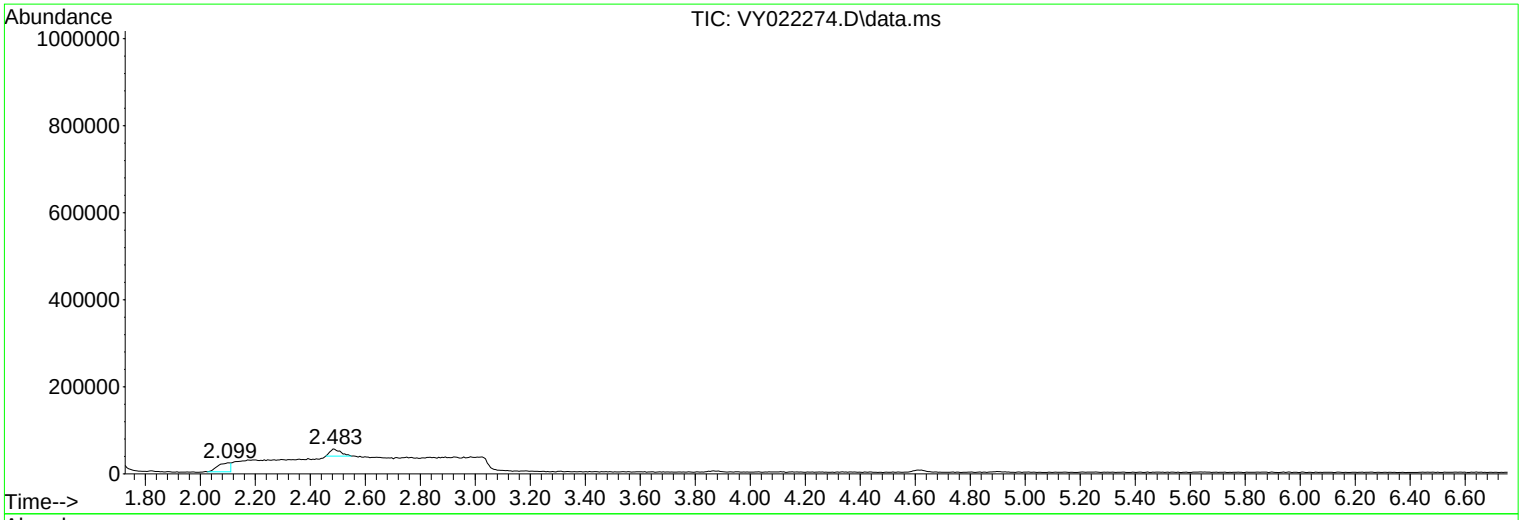
Sample Results: **VY022274.D**

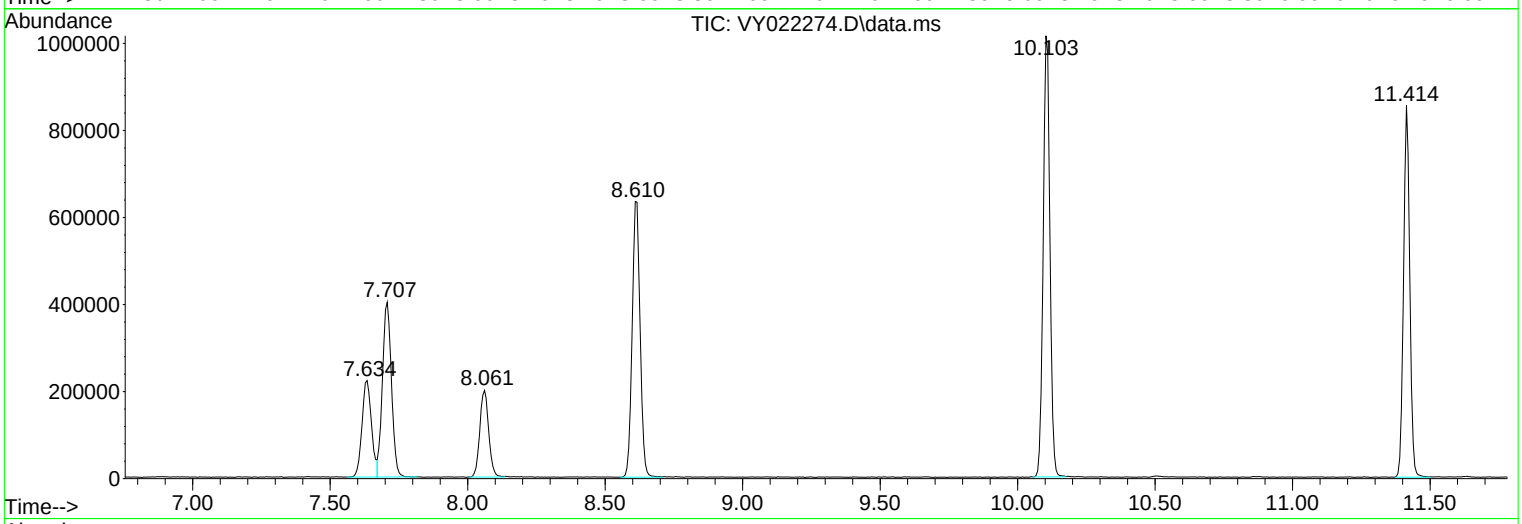
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022274.D
Acq On : 15 May 2025 19:06
Operator : SY/MD
Sample : Q1982-06
Misc : 3.24g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

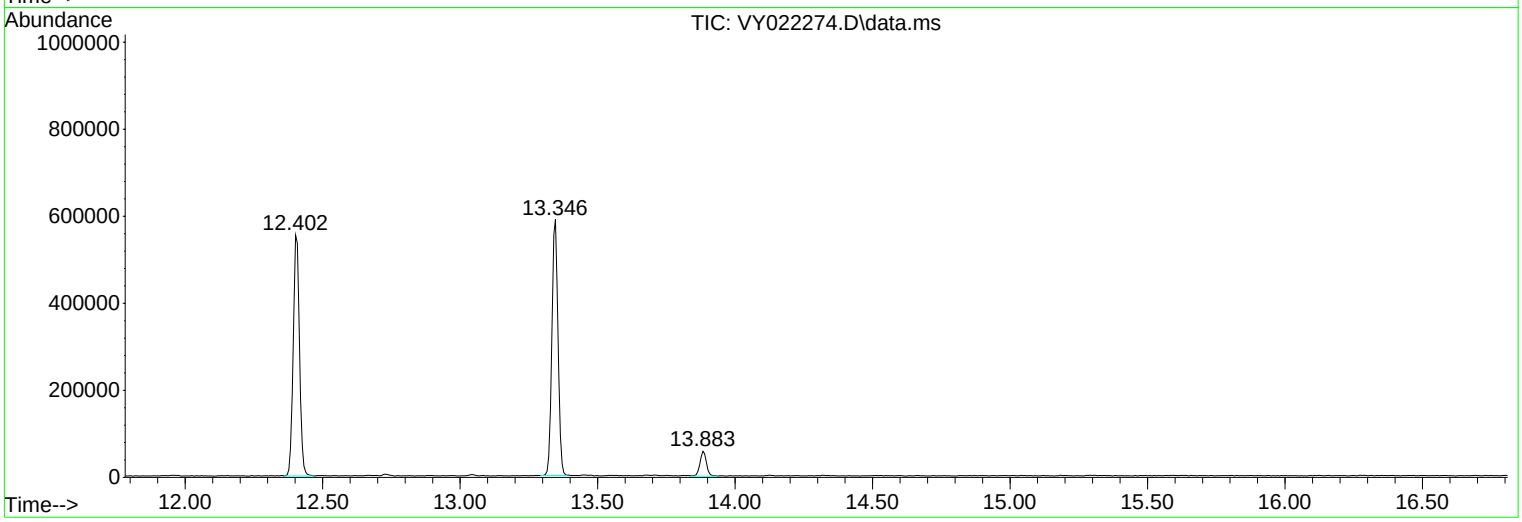
Instrument :
MSVOA_Y
ClientSampleId :
TP-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022274.D
Acq On : 15 May 2025 19:06
Operator : SY/MD
Sample : Q1982-06
Misc : 3.24g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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\VY051525\
Data File : VY022274.D
Acq On : 15 May 2025 19:06
Operator : SY/MD
Sample : Q1982-06
Misc : 3.24g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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\VY051625\
Data File : VY022289.D
Acq On : 16 May 2025 14:28
Operator : SY/MD
Sample : Q1982-07
Misc : 7.11g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-8

Quant Time: May 17 01:33:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	265944	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	467527	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	335264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	97059	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	132106	45.452	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.900%		
35) Dibromofluoromethane	7.634	113	135434	48.534	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.060%		
50) Toluene-d8	10.103	98	540727	47.314	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.620%		
62) 4-Bromofluorobenzene	12.401	95	141558	39.078	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	78.160%		

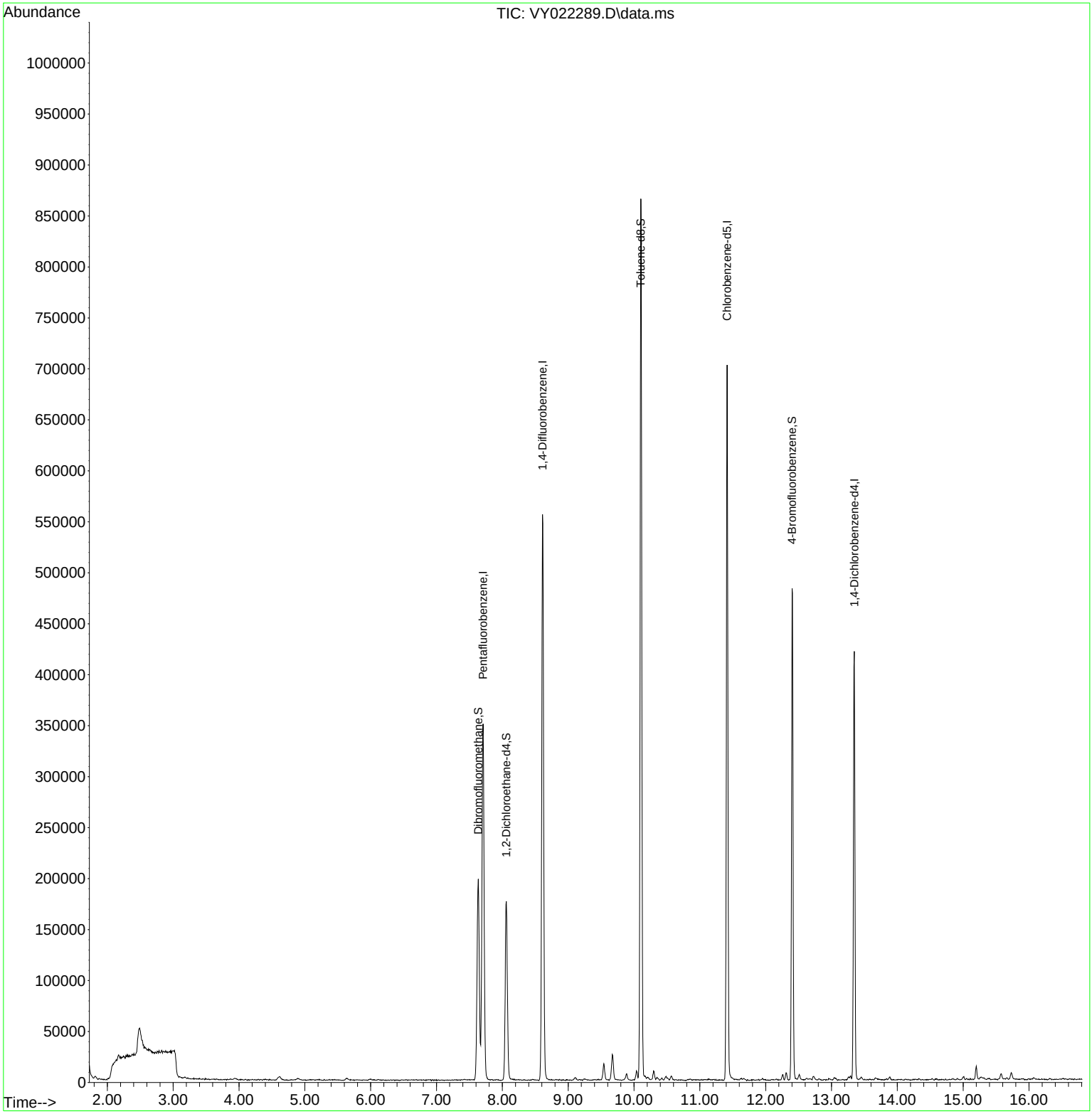
Target Compounds Qvalue

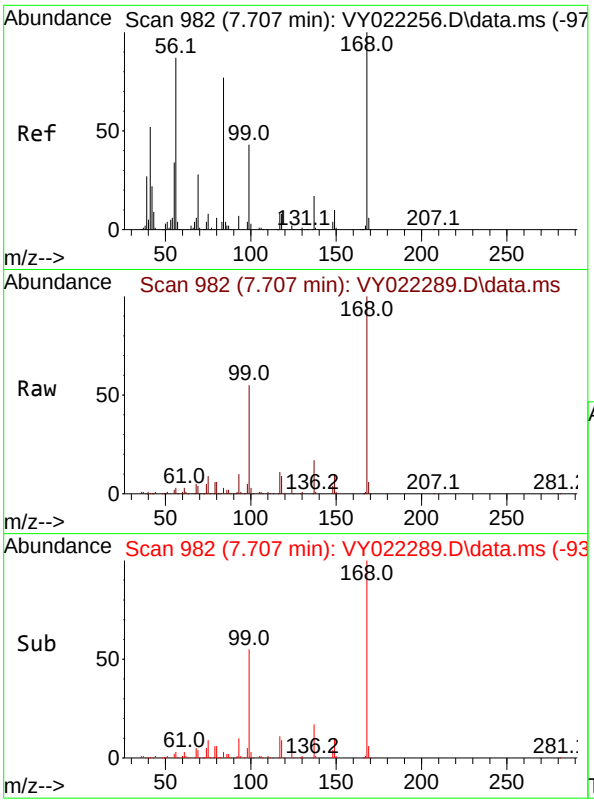
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022289.D
Acq On : 16 May 2025 14:28
Operator : SY/MD
Sample : Q1982-07
Misc : 7.11g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-8

Quant Time: May 17 01:33:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



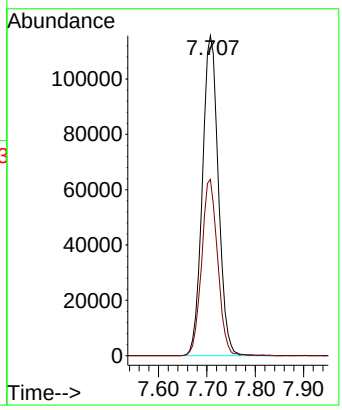


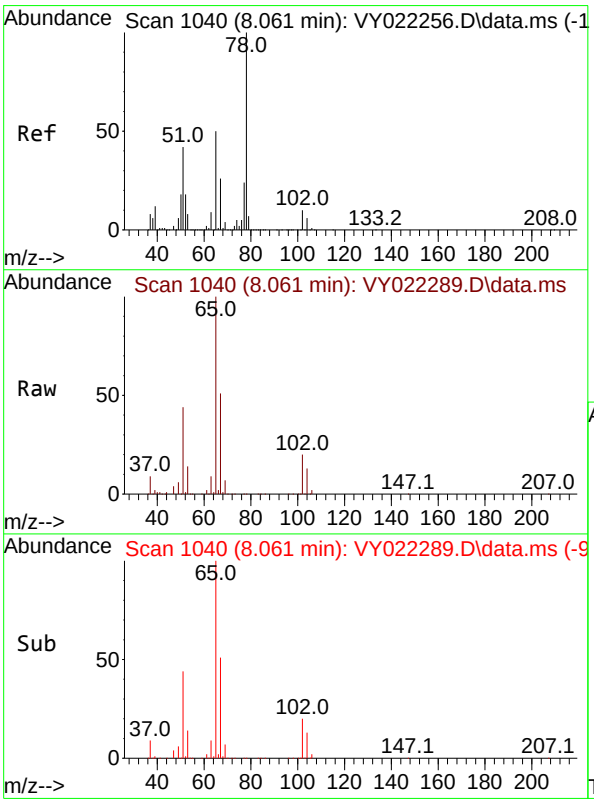
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022289.D
Acq: 16 May 2025 14:28

Instrument :
MSVOA_Y
ClientSampleId :
TP-8

Tgt Ion:168 Resp: 265944

Ion	Ratio	Lower	Upper
168	100		
99	55.1	44.2	66.4

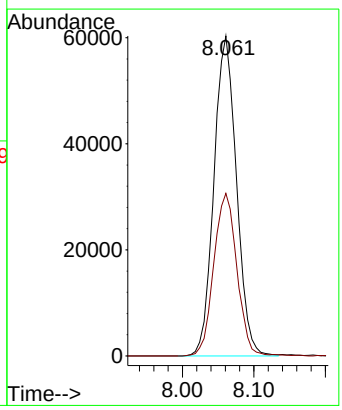




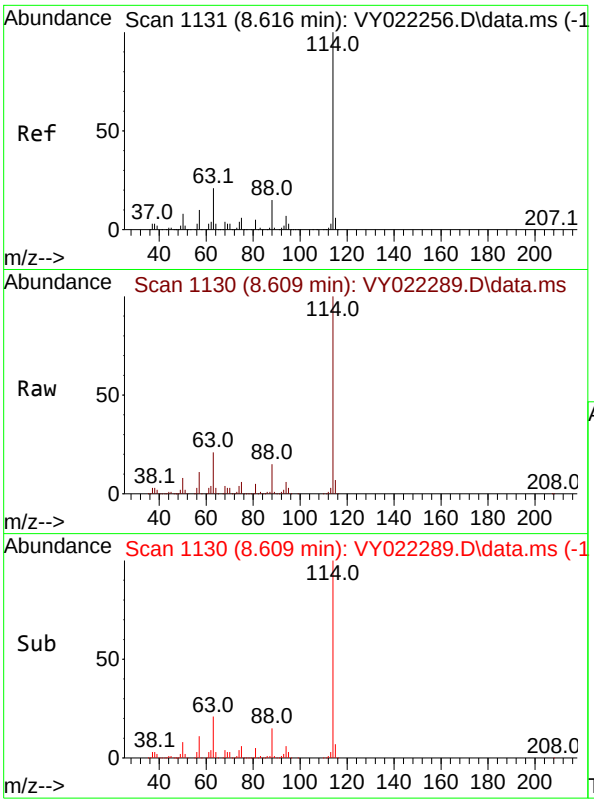
#33
1,2-Dichloroethane-d4
Concen: 45.452 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022289.D
Acq: 16 May 2025 14:28

Tgt Ion: 65 Resp: 132106

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	104.6



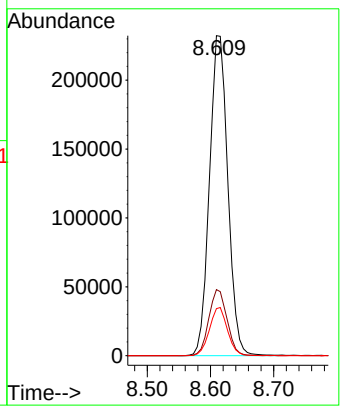
Instrument :
MSVOA_Y
ClientSampleId :
TP-8

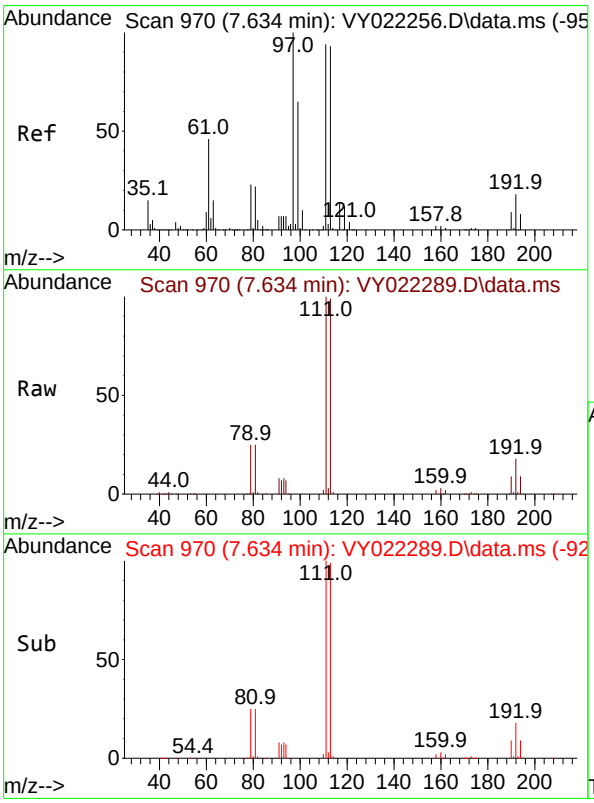


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022289.D
Acq: 16 May 2025 14:28

Tgt Ion:114 Resp: 467527

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	41.0
88	14.7	0.0	29.4

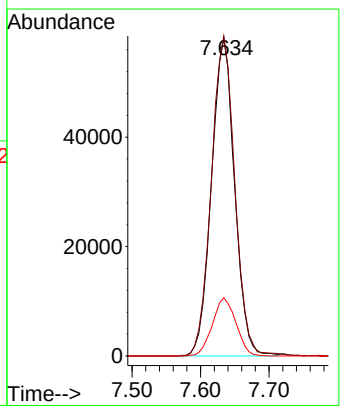


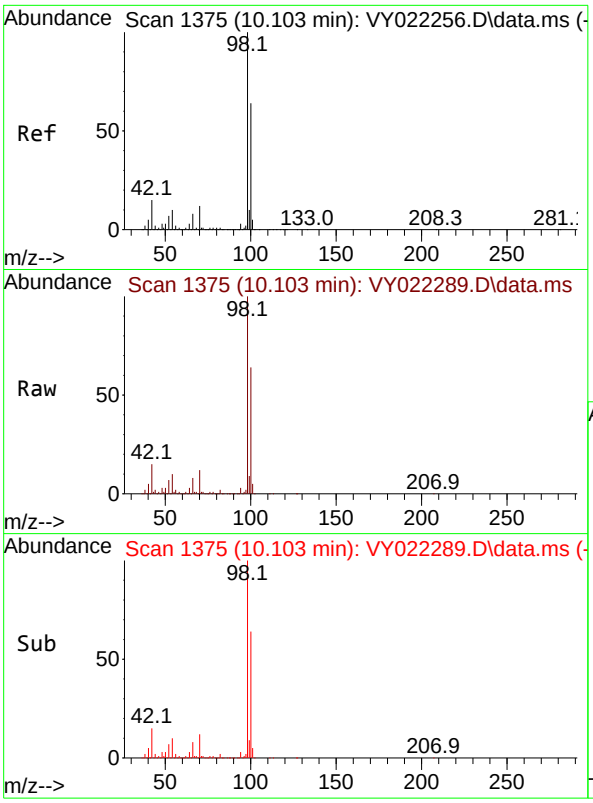


#35
Dibromofluoromethane
Concen: 48.534 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022289.D
Acq: 16 May 2025 14:28

Tgt Ion:113 Resp: 135434

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	123.8
192	18.7	15.2	22.8



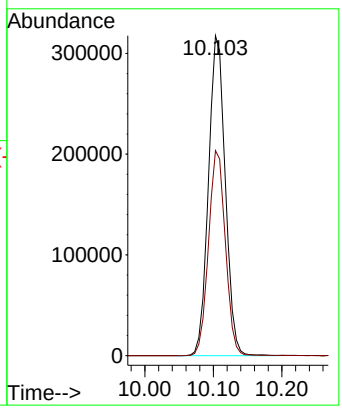


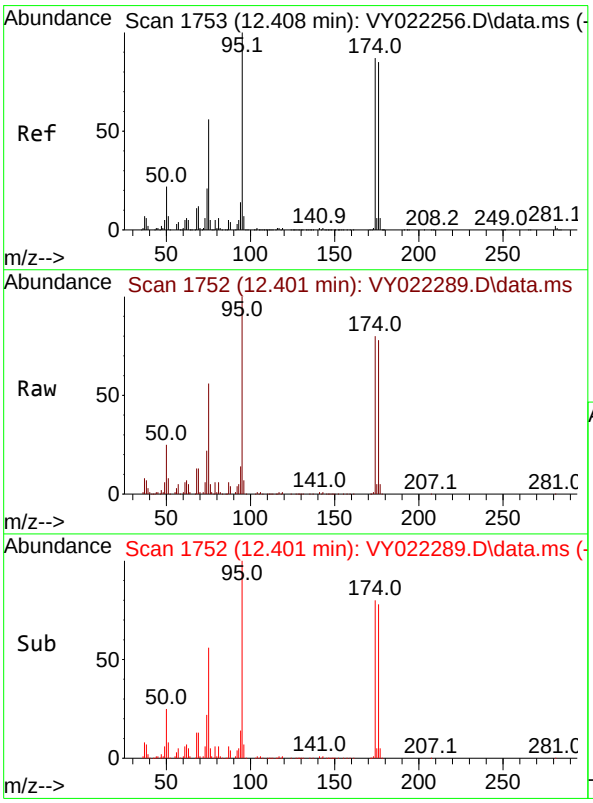
#50
Toluene-d8
Concen: 47.314 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022289.D
Acq: 16 May 2025 14:28

Instrument :
MSVOA_Y
ClientSampleId :
TP-8

Tgt Ion: 98 Resp: 540727

Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.8	77.8

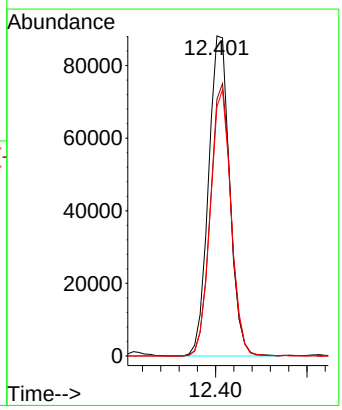


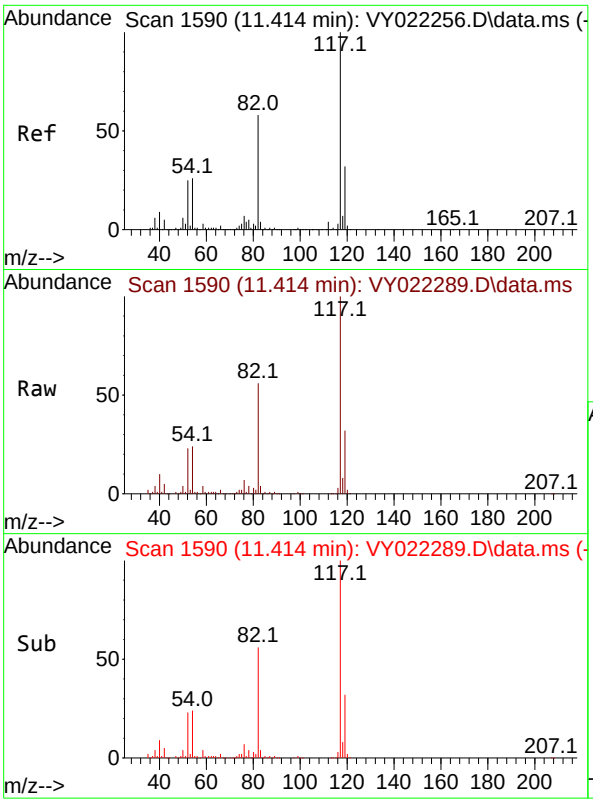


#62
4-Bromofluorobenzene
Concen: 39.078 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022289.D
Acq: 16 May 2025 14:28

Tgt Ion: 95 Resp: 141558

Ion	Ratio	Lower	Upper
95	100		
174	82.6	0.0	166.8
176	81.3	0.0	160.8



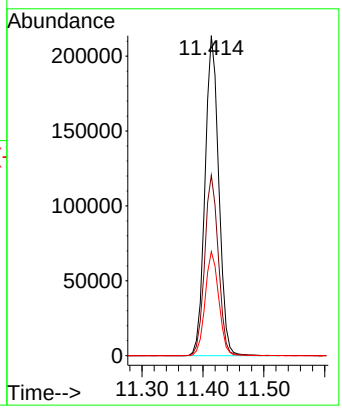


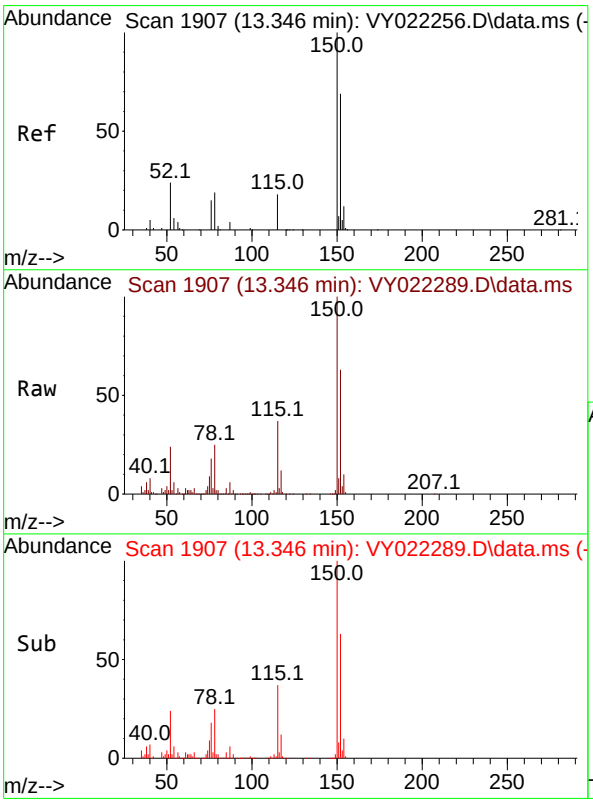
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022289.D
Acq: 16 May 2025 14:28

Instrument :
MSVOA_Y
ClientSampleId :
TP-8

Tgt Ion:117 Resp: 335264

Ion	Ratio	Lower	Upper
117	100		
82	56.4	46.6	70.0
119	32.5	25.8	38.6

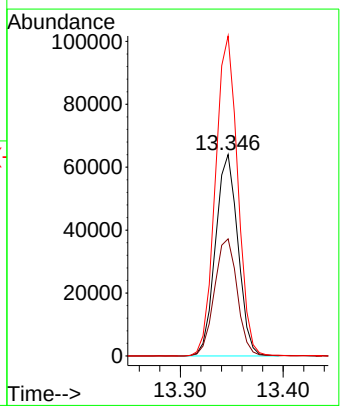




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022289.D
Acq: 16 May 2025 14:28

Tgt Ion:152 Resp: 97059

Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.4	88.2
150	157.7	0.0	353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022289.D
Acq On : 16 May 2025 14:28
Operator : SY/MD
Sample : Q1982-07
Misc : 7.11g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-8

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\82Y051525S.M
Title : SW846 8260

Signal : TIC: VY022289.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.489	119	126	137	rBV7	23355	92372	6.27%	1.318%
2	7.634	960	970	976	rBV	197308	476401	32.32%	6.798%
3	7.707	976	982	995	rVB	349039	790021	53.60%	11.274%
4	8.061	1027	1040	1050	rBV	175619	400980	27.21%	5.722%
5	8.609	1121	1130	1146	rBV	555337	1115621	75.69%	15.920%
6	9.542	1276	1283	1291	rVB2	15726	29401	1.99%	0.420%
7	9.670	1296	1304	1312	rBV2	25514	54722	3.71%	0.781%
8	10.036	1359	1364	1368	rBV	9158	15600	1.06%	0.223%
9	10.103	1368	1375	1383	rVV	862498	1473873	100.00%	21.033%
10	11.414	1582	1590	1601	rBV	701643	1111368	75.40%	15.860%
11	12.401	1746	1752	1760	rBV	481914	774646	52.56%	11.055%
12	13.346	1900	1907	1917	rVB	420103	650070	44.11%	9.277%
13	15.200	2203	2211	2218	rBV4	13217	22421	1.52%	0.320%

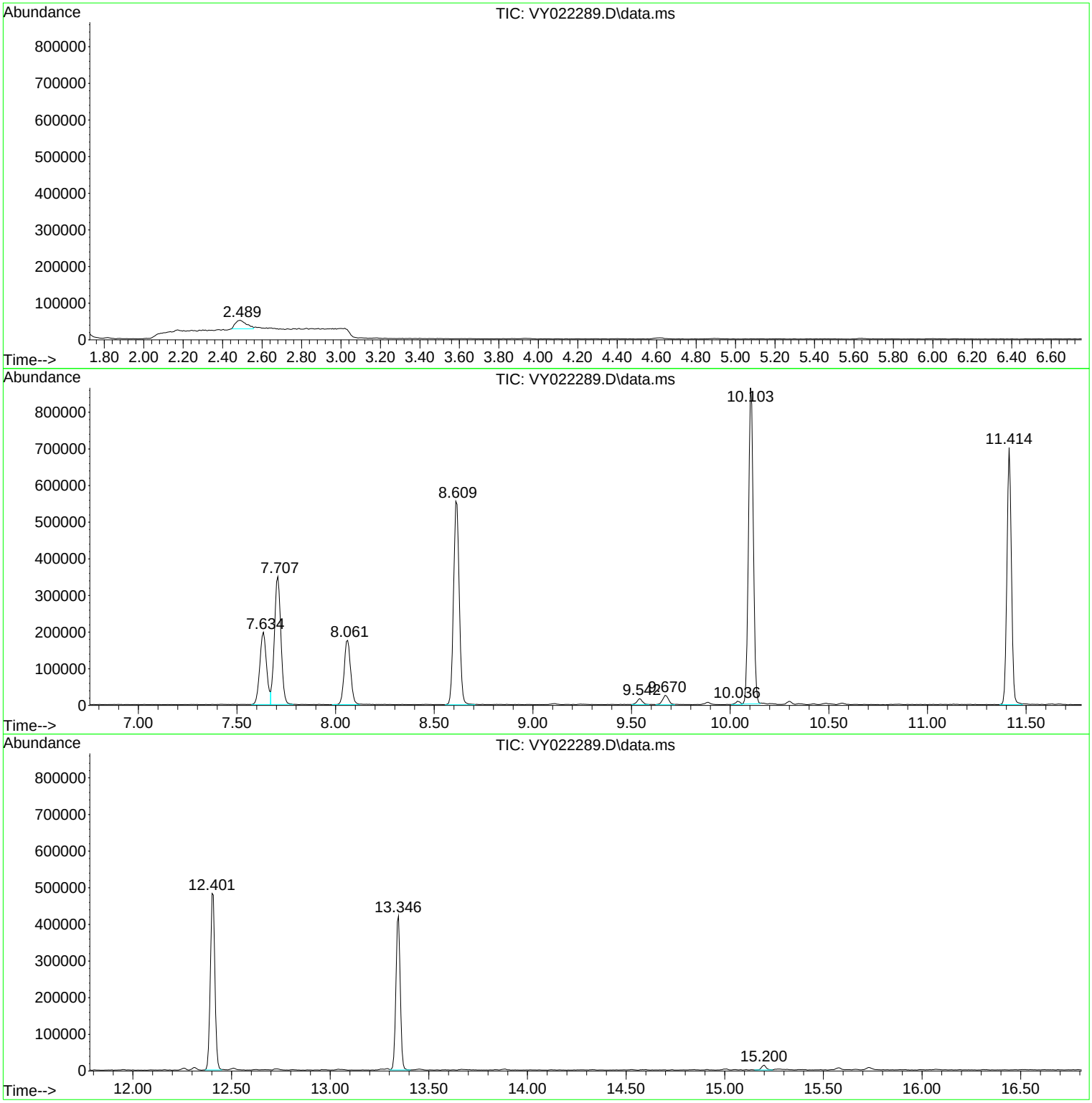
Sum of corrected areas: 7007496

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022289.D
Acq On : 16 May 2025 14:28
Operator : SY/MD
Sample : Q1982-07
Misc : 7.11g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022289.D
Acq On : 16 May 2025 14:28
Operator : SY/MD
Sample : Q1982-07
Misc : 7.11g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

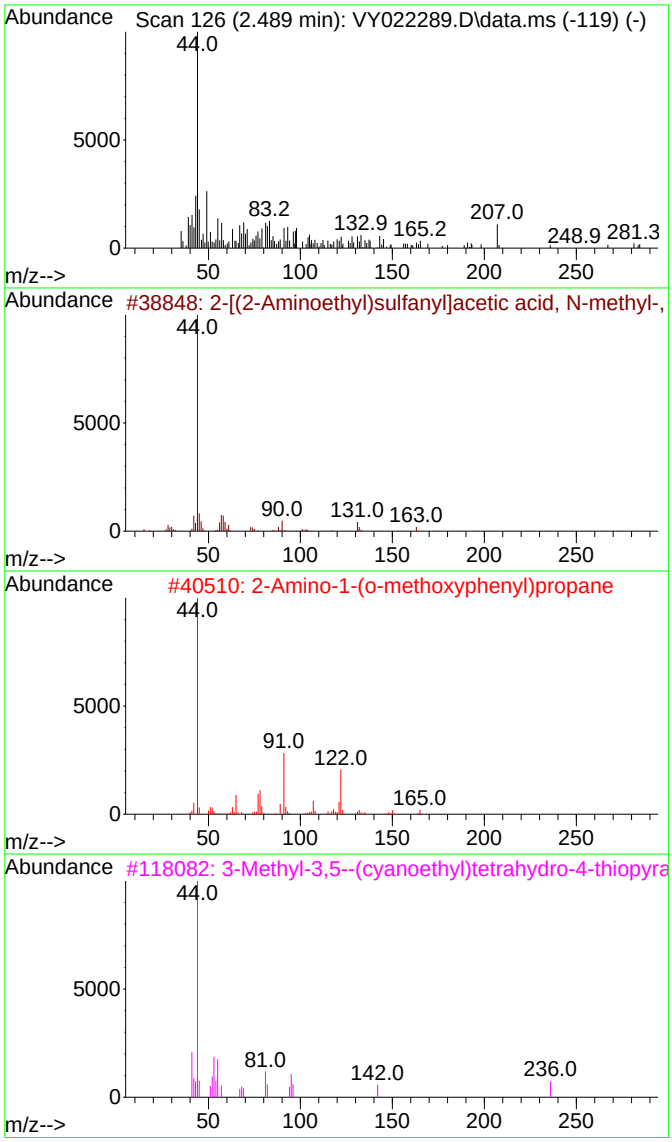
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

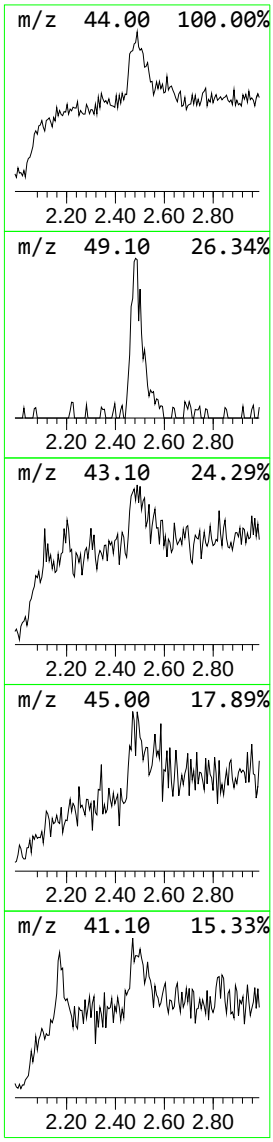
****

Peak Number 1 unknown2.489 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.489	5.85 ug/l	92372	Pentafluorobenzene	7.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[(2-Aminoethyl)sulfanyl]acetic...	163	C6H13NO2S	1249150-80-8	38
2	2-Amino-1-(o-methoxyphenyl)propane	165	C10H15NO	015402-84-3	27
3	3-Methyl-3,5--(cyanoethyl)tetrah...	236	C12H16N2OS	1000140-32-3	27
4	3-Methoxyamphetamine	165	C10H15NO	017862-85-0	27
5	Propanamide, 3-(3,4-dimethylphen...	241	C11H15NO3S	1000262-80-6	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022289.D
Acq On : 16 May 2025 14:28
Operator : SY/MD
Sample : Q1982-07
Misc : 7.11g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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
unknown2.489	2.489	5.8	ug/l	92372	1	7.707	790021	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022290.D
Acq On : 16 May 2025 14:51
Operator : SY/MD
Sample : Q1982-08
Misc : 6.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-9

Quant Time: May 17 01:34:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	263964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	460977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	322155	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	80191	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	136451	47.299	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.600%			
35) Dibromofluoromethane	7.634	113	137715	50.053	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.100%			
50) Toluene-d8	10.103	98	534411	47.425	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.860%			
62) 4-Bromofluorobenzene	12.402	95	129325	36.208	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 72.420%			

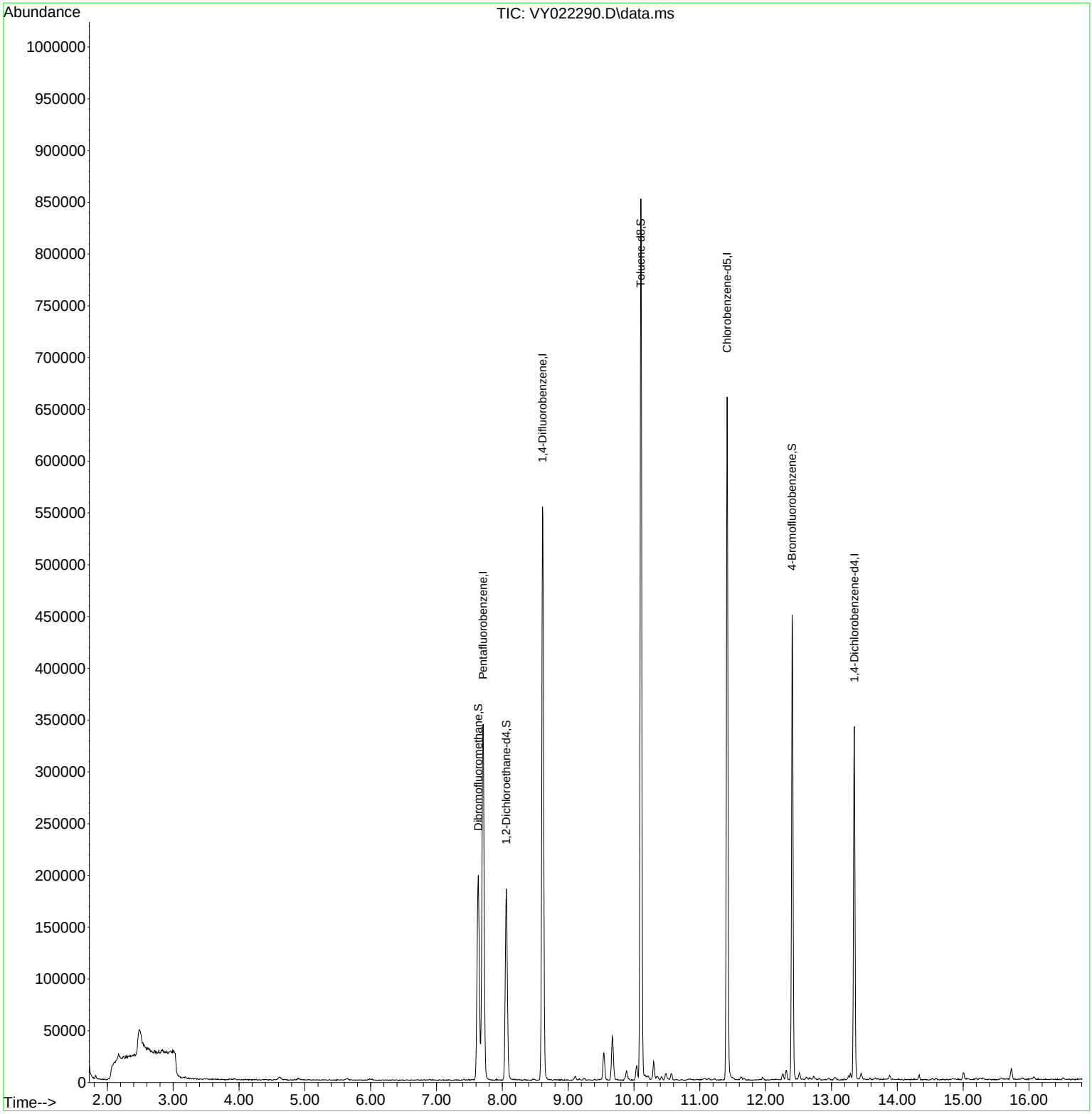
Target Compounds Qvalue

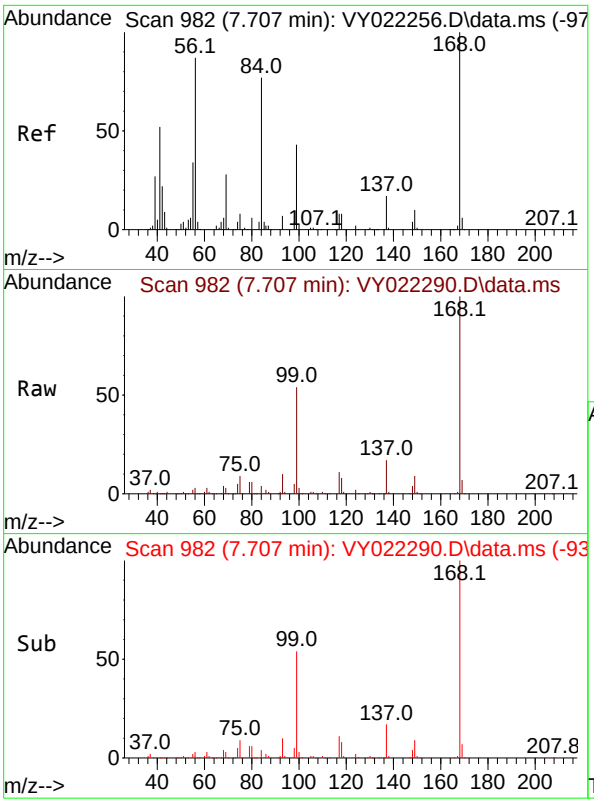
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022290.D
Acq On : 16 May 2025 14:51
Operator : SY/MD
Sample : Q1982-08
Misc : 6.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-9

Quant Time: May 17 01:34:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



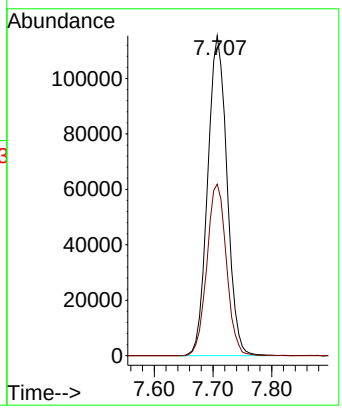


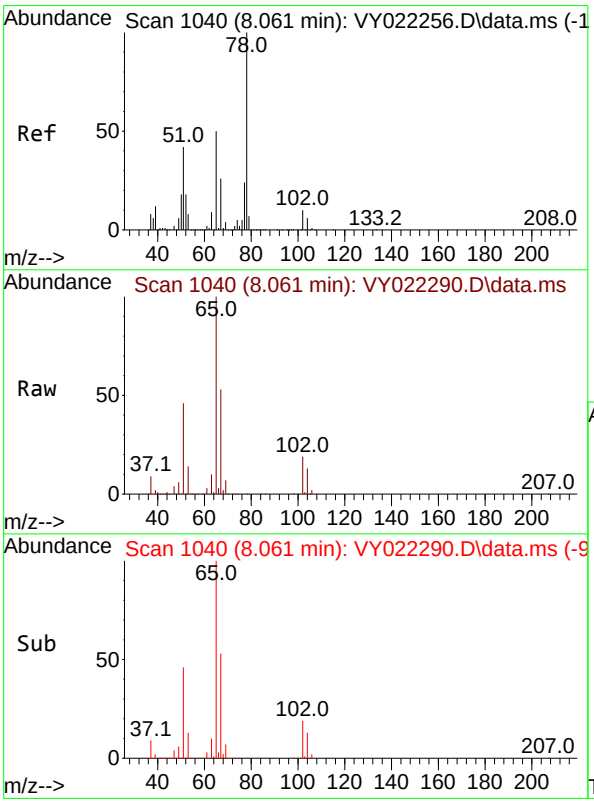
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022290.D
Acq: 16 May 2025 14:51

Instrument :
MSVOA_Y
ClientSampleId :
TP-9

Tgt Ion:168 Resp: 263964

Ion	Ratio	Lower	Upper
168	100		
99	53.6	44.2	66.4

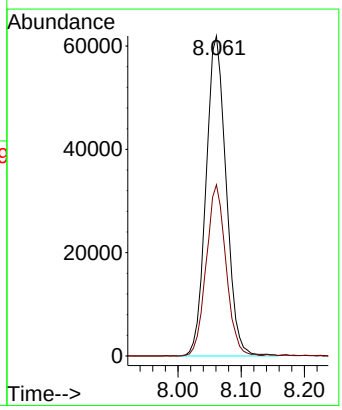


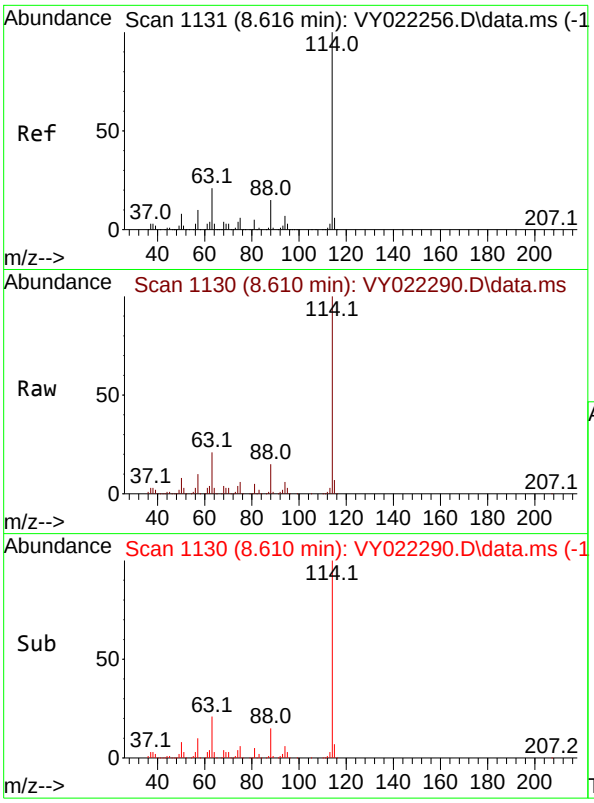


#33
1,2-Dichloroethane-d4
Concen: 47.299 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022290.D
Acq: 16 May 2025 14:51

Tgt Ion: 65 Resp: 136451

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	104.6



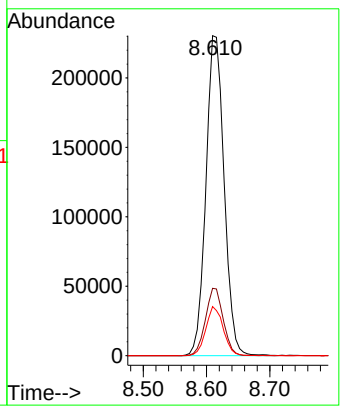


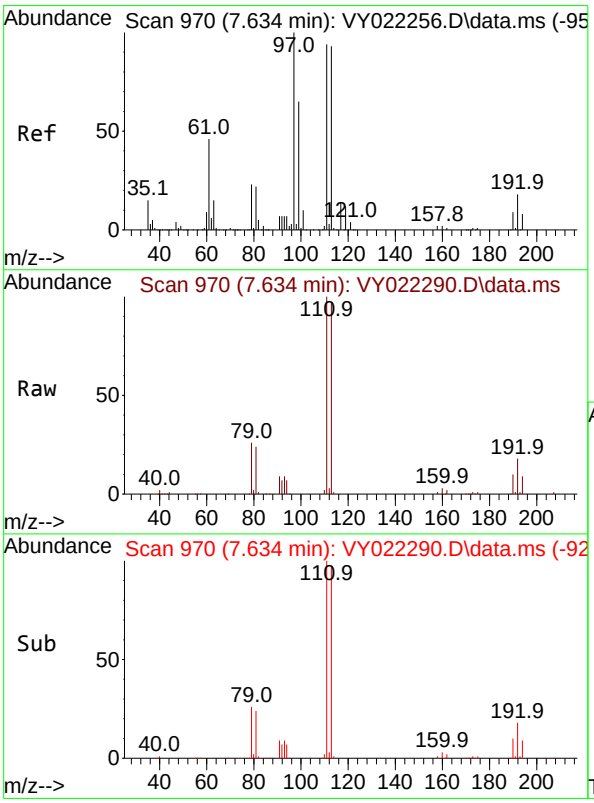
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022290.D
Acq: 16 May 2025 14:51

Instrument :
MSVOA_Y
ClientSampleId :
TP-9

Tgt Ion:114 Resp: 460977

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	41.0
88	15.3	0.0	29.4

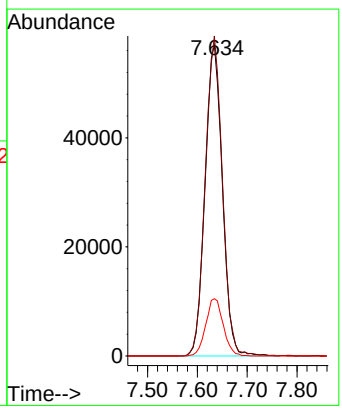


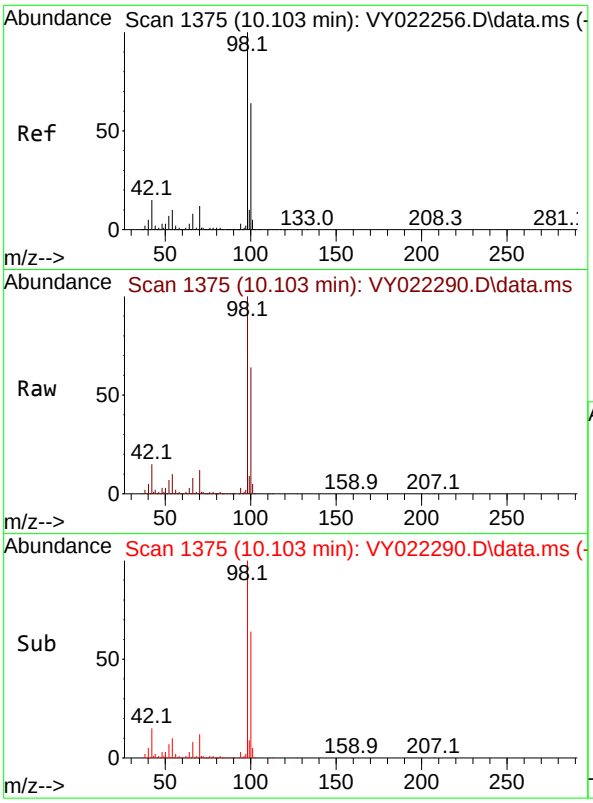


#35
Dibromofluoromethane
Concen: 50.053 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022290.D
Acq: 16 May 2025 14:51

Tgt Ion:113 Resp: 137715

Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.6	123.8
192	18.6	15.2	22.8



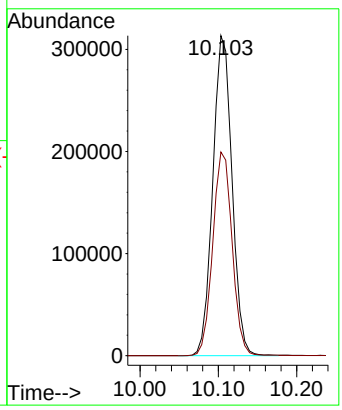


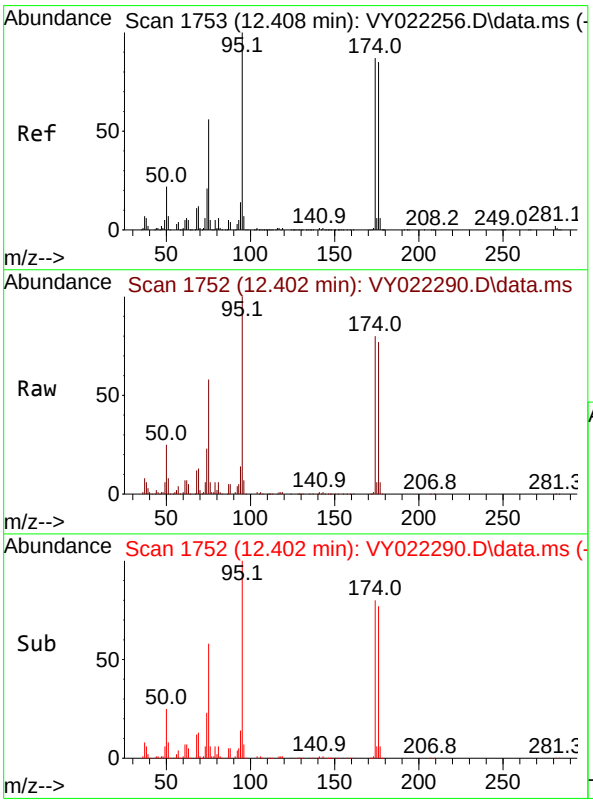
#50
Toluene-d8
Concen: 47.425 ug/l
RT: 10.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022290.D
Acq: 16 May 2025 14:51

Instrument :
MSVOA_Y
ClientSampleId :
TP-9

Tgt Ion: 98 Resp: 534411

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.8	77.8

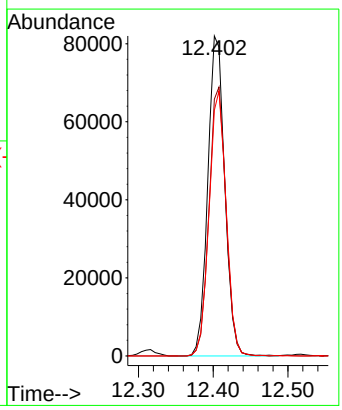


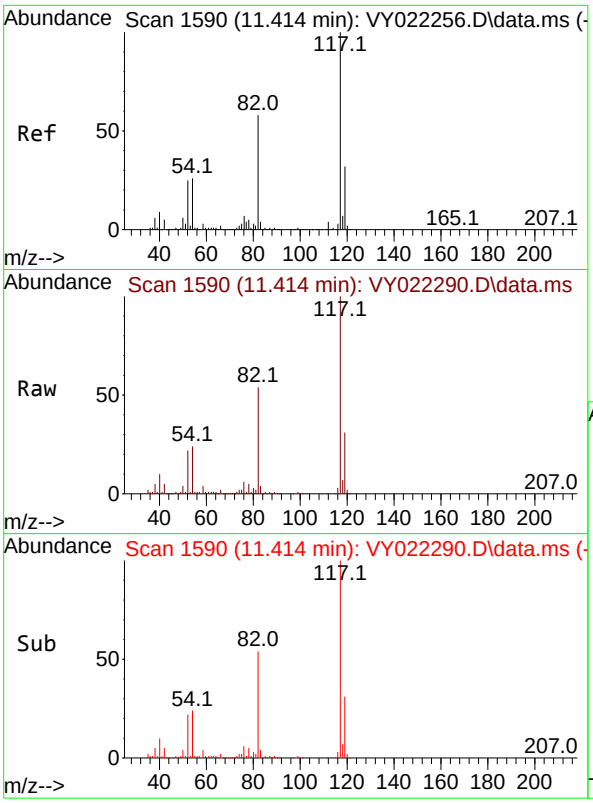


#62
4-Bromofluorobenzene
Concen: 36.208 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022290.D
Acq: 16 May 2025 14:51

Tgt Ion: 95 Resp: 129325

Ion	Ratio	Lower	Upper
95	100		
174	84.3	0.0	166.8
176	83.3	0.0	160.8



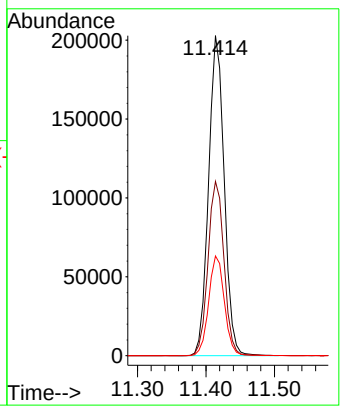


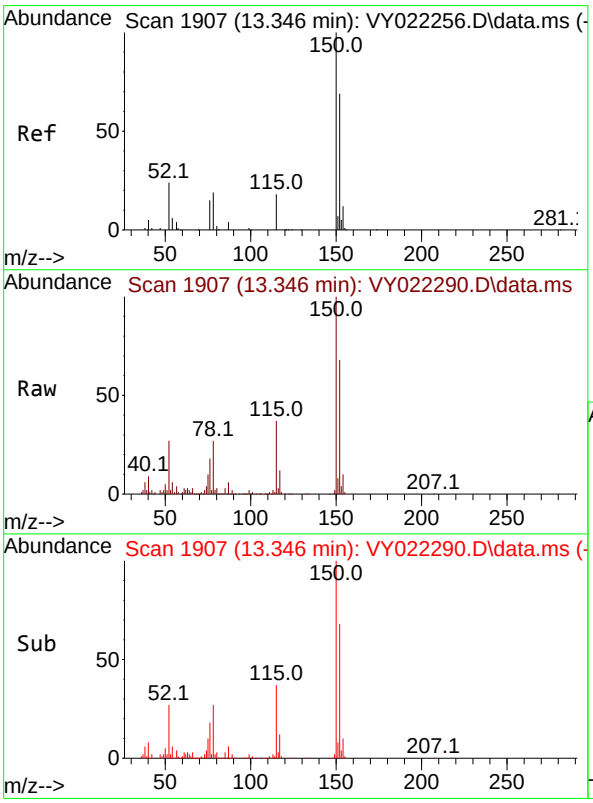
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022290.D
Acq: 16 May 2025 14:51

Instrument :
MSVOA_Y
ClientSampleId :
TP-9

Tgt Ion:117 Resp: 322155

Ion	Ratio	Lower	Upper
117	100		
82	54.4	46.6	70.0
119	31.2	25.8	38.6

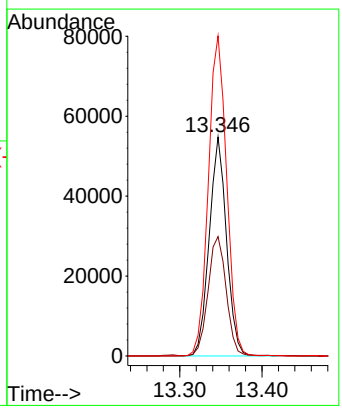




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022290.D
Acq: 16 May 2025 14:51

Tgt Ion:152 Resp: 80191

Ion	Ratio	Lower	Upper
152	100		
115	56.8	29.4	88.2
150	154.4	0.0	353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022290.D
Acq On : 16 May 2025 14:51
Operator : SY/MD
Sample : Q1982-08
Misc : 6.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-9

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\82Y051525S.M
Title : SW846 8260

Signal : TIC: VY022290.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.483	119	125	133	rBV	21607	77558	5.35%	1.129%
2	7.634	960	970	976	rBV	197734	477584	32.96%	6.954%
3	7.707	976	982	1000	rVB	343878	785264	54.20%	11.434%
4	8.061	1030	1040	1052	rBV	184788	410361	28.32%	5.975%
5	8.610	1119	1130	1142	rBV	553722	1101114	76.00%	16.033%
6	9.542	1274	1283	1290	rBV	25777	50830	3.51%	0.740%
7	9.670	1296	1304	1312	rBV	42132	88787	6.13%	1.293%
8	9.884	1331	1339	1344	rBV3	9586	20561	1.42%	0.299%
9	10.042	1359	1365	1369	rBV	13707	25775	1.78%	0.375%
10	10.103	1369	1375	1384	rVV	848353	1448882	100.00%	21.097%
11	10.298	1399	1407	1412	rBV2	17520	29828	2.06%	0.434%
12	11.414	1582	1590	1605	rBV	659738	1064221	73.45%	15.496%
13	12.316	1733	1738	1746	rVB4	9309	16110	1.11%	0.235%
14	12.402	1746	1752	1762	rBV	448977	725637	50.08%	10.566%
15	13.346	1900	1907	1915	rVB	340472	524738	36.22%	7.641%
16	15.730	2292	2298	2304	rBV6	10750	20462	1.41%	0.298%

Sum of corrected areas: 6867712

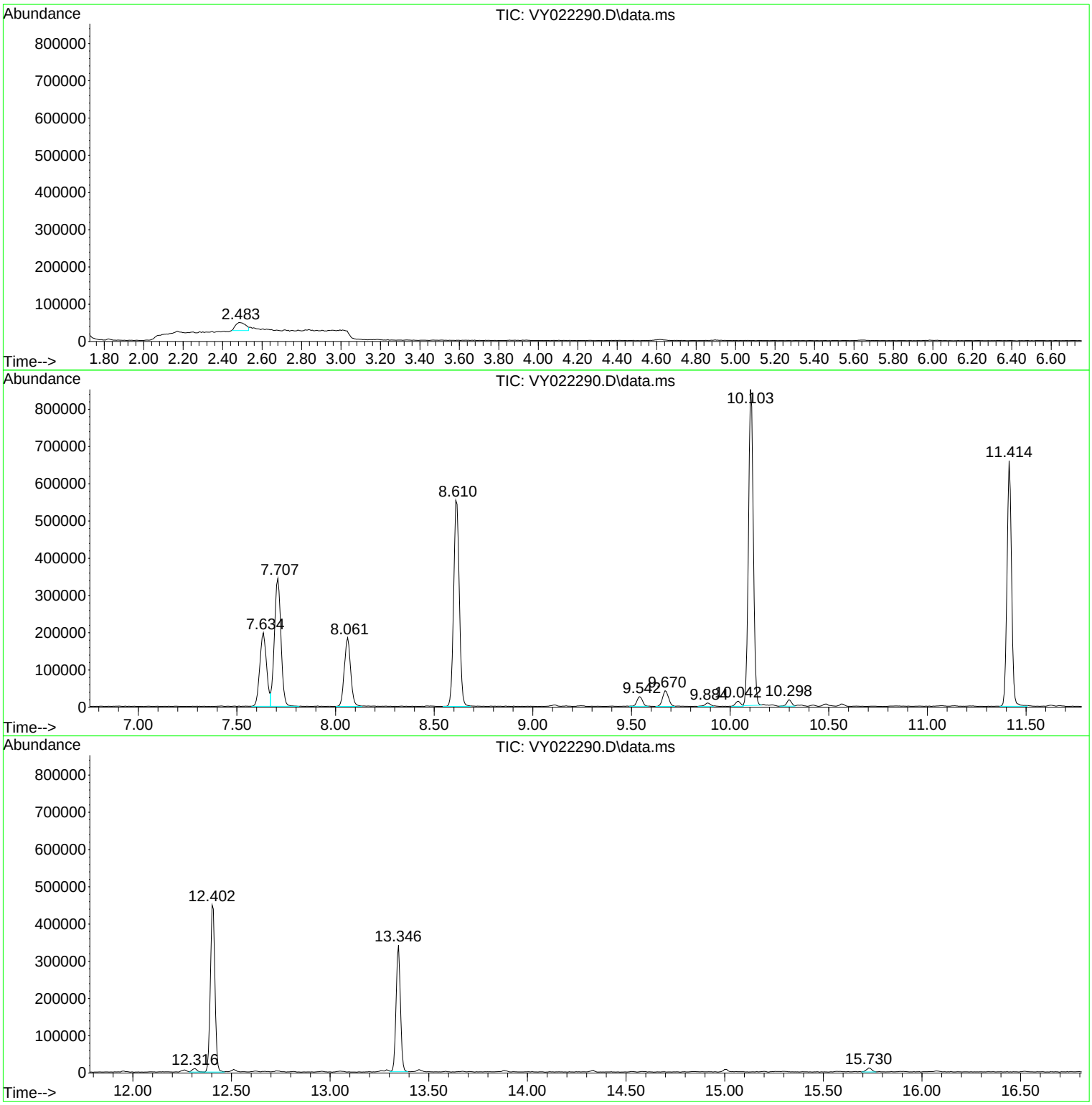
Sample Results: **VY022290.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022290.D
Acq On : 16 May 2025 14:51
Operator : SY/MD
Sample : Q1982-08
Misc : 6.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022290.D
Acq On : 16 May 2025 14:51
Operator : SY/MD
Sample : Q1982-08
Misc : 6.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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\VY051625\
Data File : VY022290.D
Acq On : 16 May 2025 14:51
Operator : SY/MD
Sample : Q1982-08
Misc : 6.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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\VY051525\
Data File : VY022261.D
Acq On : 15 May 2025 13:44
Operator : SY/MD
Sample : VY0515SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBL01

Quant Time: May 16 01:53:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	357935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	617938	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	477752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	173912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	167429	42.800	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.600%		
35) Dibromofluoromethane	7.634	113	178256	48.331	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.660%		
50) Toluene-d8	10.103	98	735166	48.669	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.340%		
62) 4-Bromofluorobenzene	12.408	95	190691	39.828	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	79.660%		

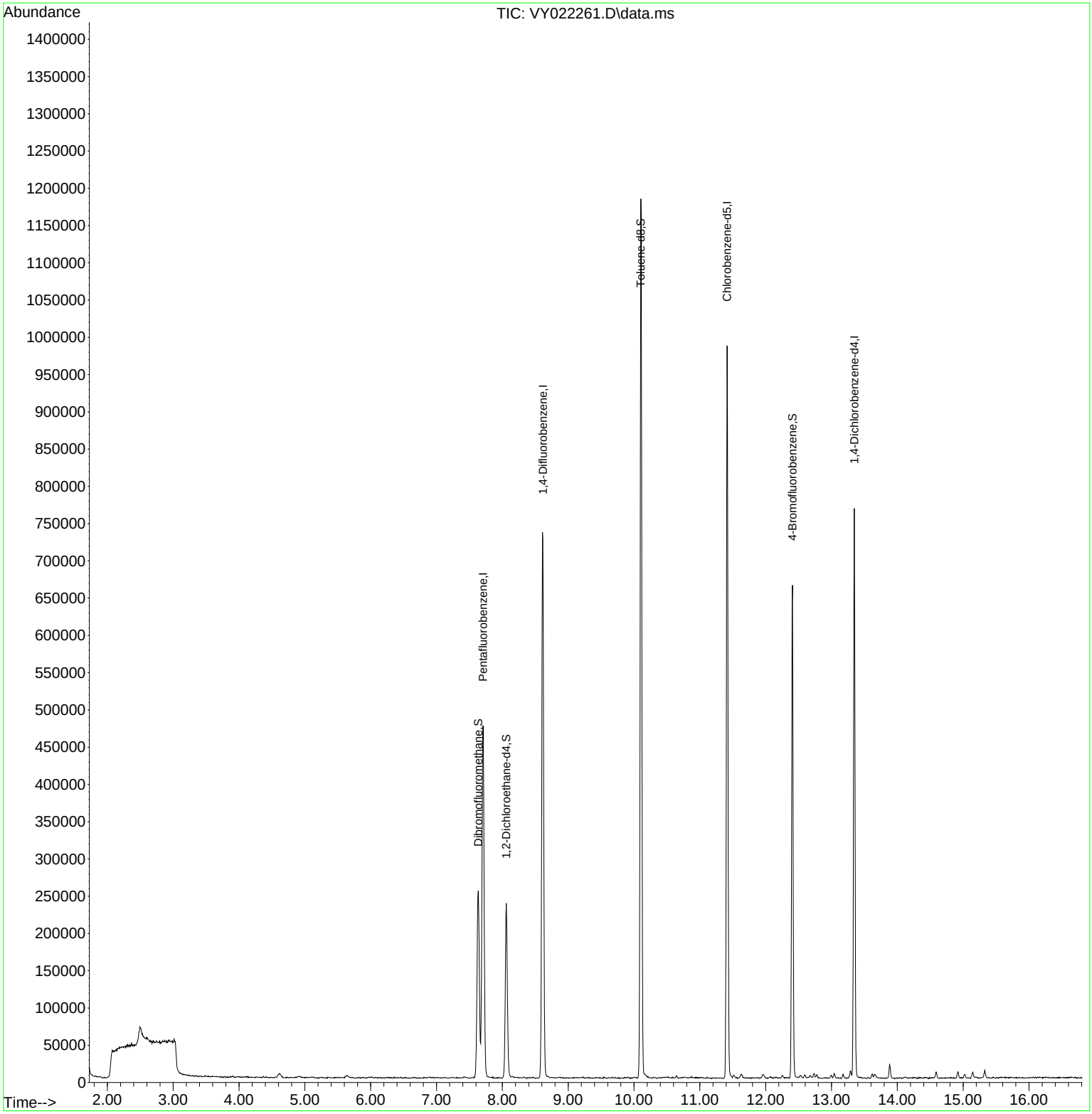
Target Compounds Qvalue

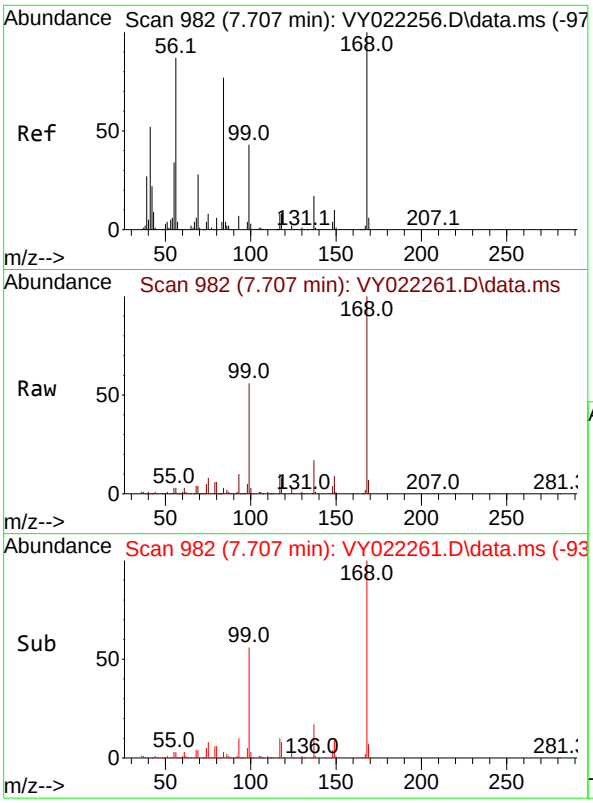
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022261.D
Acq On : 15 May 2025 13:44
Operator : SY/MD
Sample : VY0515SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBL01

Quant Time: May 16 01:53:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



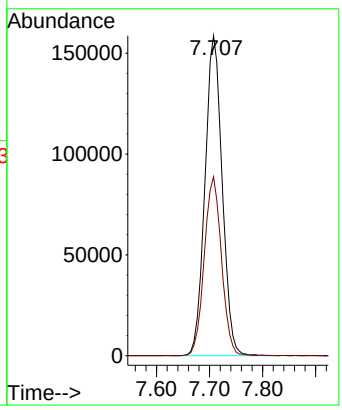


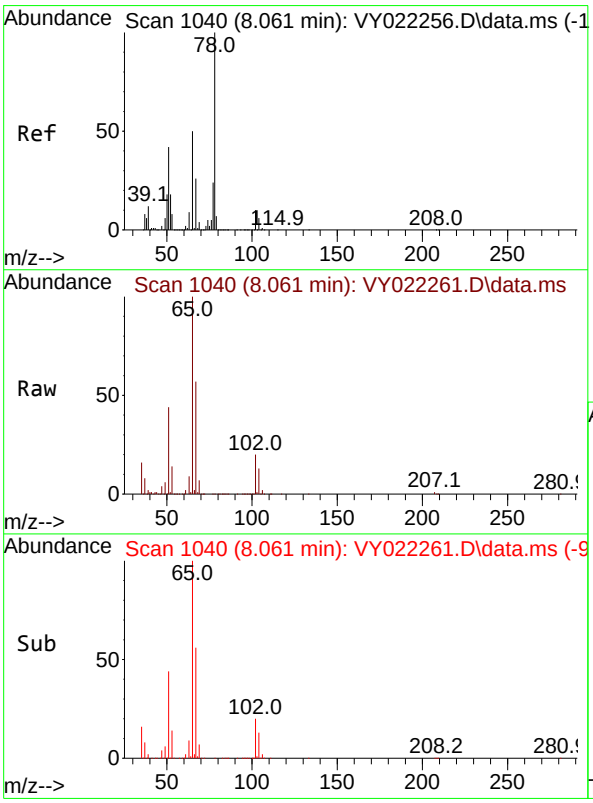
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022261.D
Acq: 15 May 2025 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBL01

Tgt Ion:168 Resp: 357935

Ion	Ratio	Lower	Upper
168	100		
99	55.9	44.2	66.4

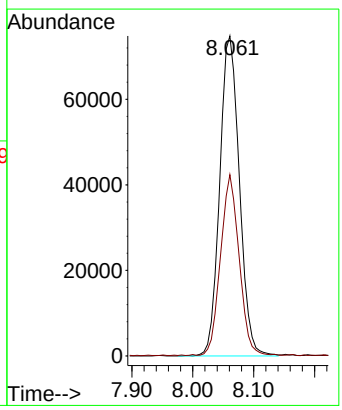


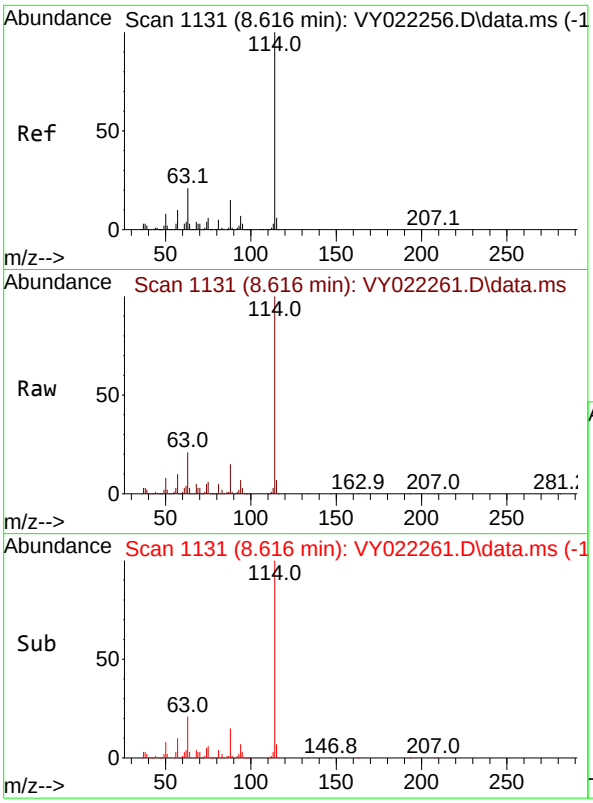


#33
1,2-Dichloroethane-d4
Concen: 42.800 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022261.D
Acq: 15 May 2025 13:44

Tgt Ion: 65 Resp: 167429

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	104.6



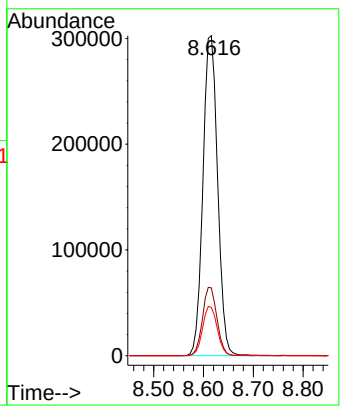


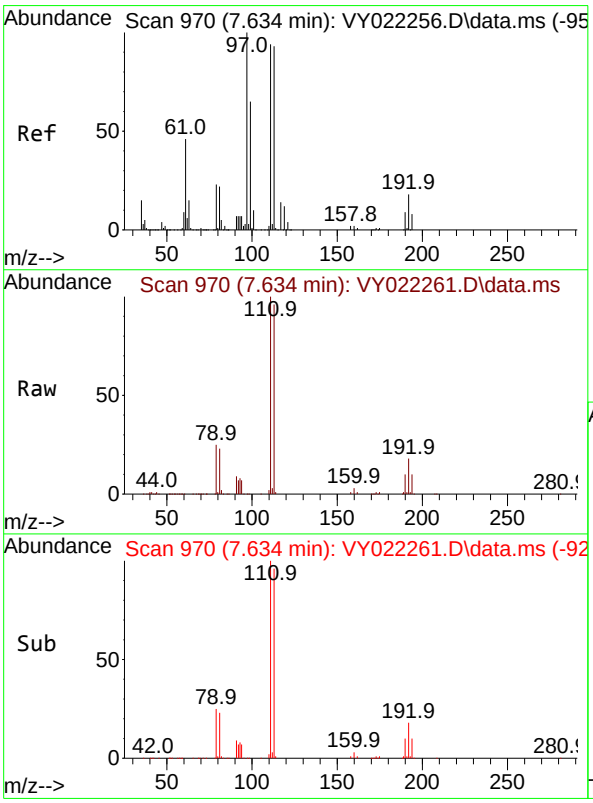
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022261.D
Acq: 15 May 2025 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBL01

Tgt Ion:114 Resp: 617938

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.0
88	15.1	0.0	29.4

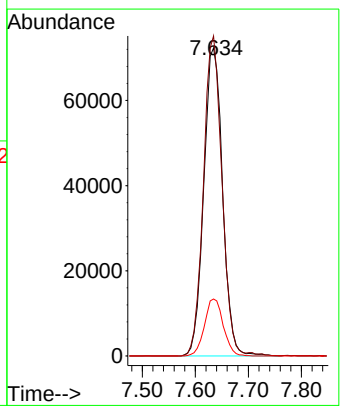


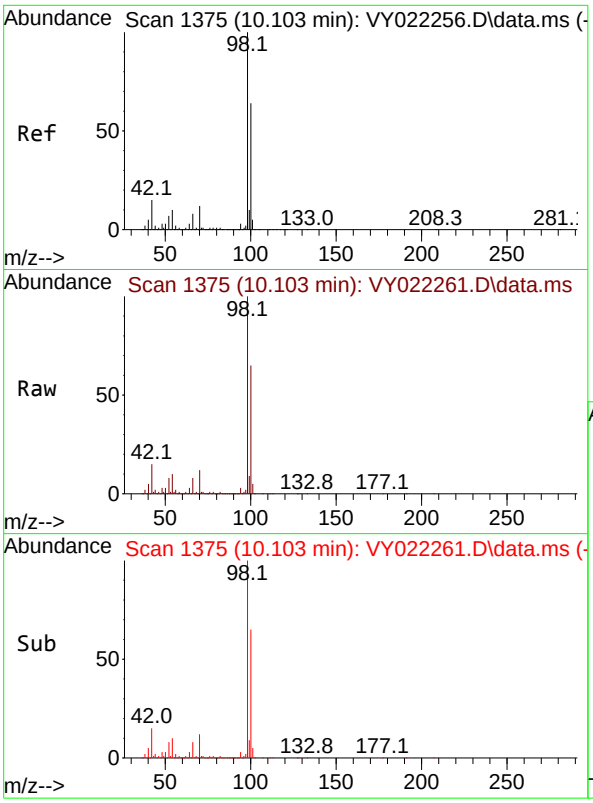


#35
Dibromofluoromethane
Concen: 48.331 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022261.D
Acq: 15 May 2025 13:44

Tgt Ion:113 Resp: 178256

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.6	123.8
192	18.5	15.2	22.8



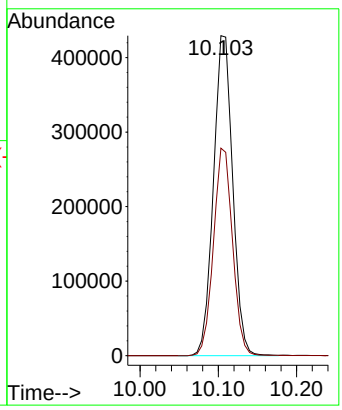


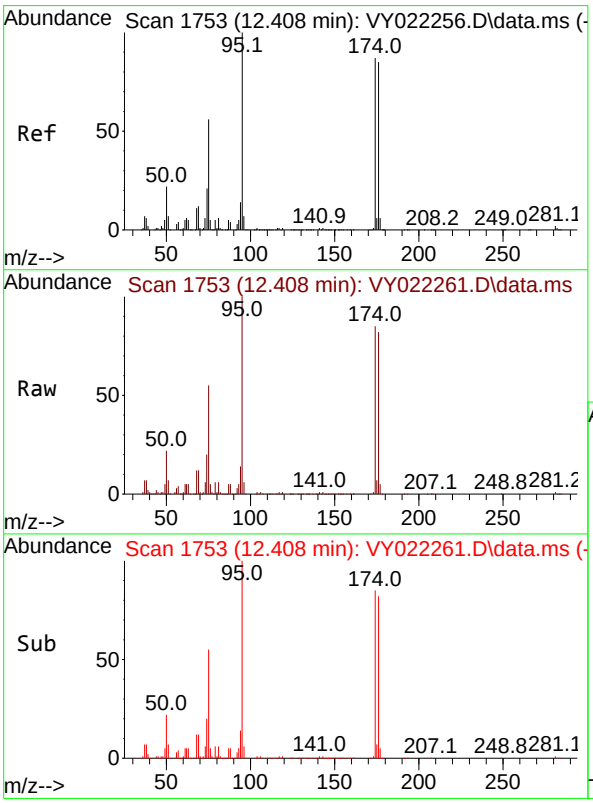
#50
Toluene-d8
Concen: 48.669 ug/l
RT: 10.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022261.D
Acq: 15 May 2025 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBL01

Tgt Ion: 98 Resp: 735166

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.8	77.8

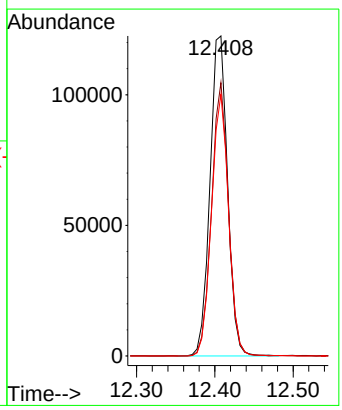


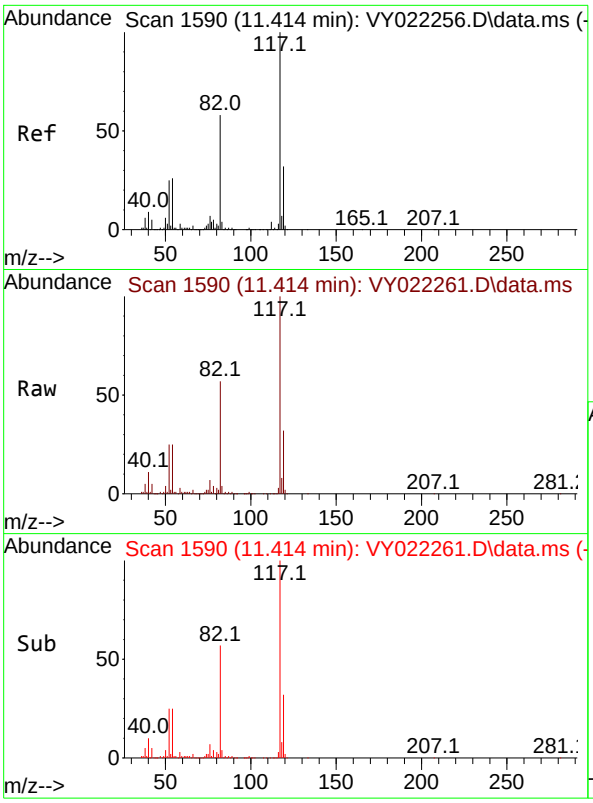


#62
4-Bromofluorobenzene
Concen: 39.828 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022261.D
Acq: 15 May 2025 13:44

Tgt Ion: 95 Resp: 190691

Ion	Ratio	Lower	Upper
95	100		
174	82.3	0.0	166.8
176	79.5	0.0	160.8



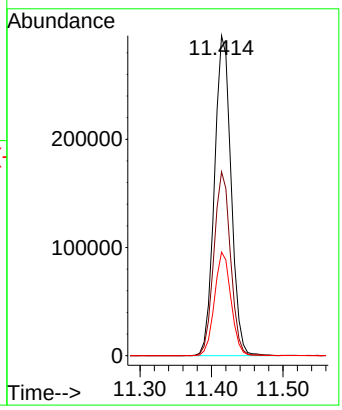


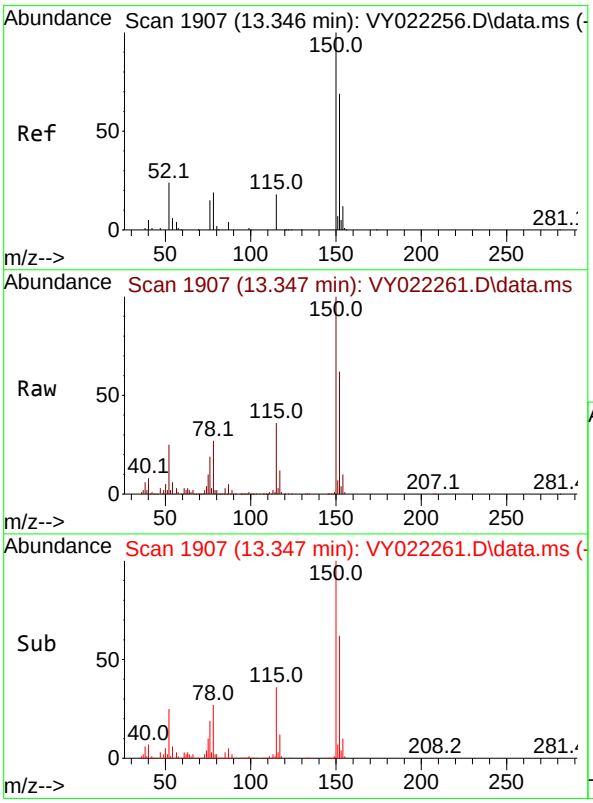
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022261.D
Acq: 15 May 2025 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBL01

Tgt Ion:117 Resp: 477752

Ion	Ratio	Lower	Upper
117	100		
82	57.4	46.6	70.0
119	32.3	25.8	38.6

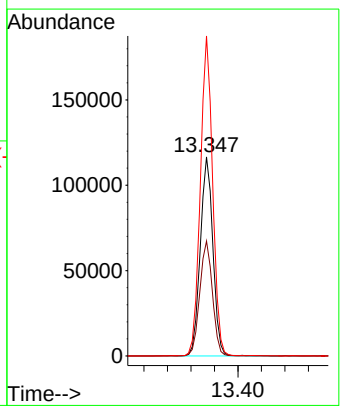




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022261.D
Acq: 15 May 2025 13:44

Tgt Ion:152 Resp: 173912

Ion	Ratio	Lower	Upper
152	100		
115	57.5	29.4	88.2
150	156.2	0.0	353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022261.D
Acq On : 15 May 2025 13:44
Operator : SY/MD
Sample : VY0515SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBL01

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\82Y051525S.M
Title : SW846 8260

Signal : TIC: VY022261.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	45	58	60	rBV5	36881	90199	4.47%	0.942%
2	7.634	960	970	976	rBV	251115	618832	30.69%	6.464%
3	7.707	976	982	993	rVB	471583	1059909	52.56%	11.071%
4	8.061	1029	1040	1051	rBV	235031	508651	25.22%	5.313%
5	8.610	1119	1130	1142	rBV	732449	1479872	73.39%	15.457%
6	10.103	1368	1375	1391	rBV	1179528	2016533	100.00%	21.063%
7	11.414	1582	1590	1603	rBV	982804	1589159	78.81%	16.599%
8	12.408	1746	1753	1766	rBV	661349	1040116	51.58%	10.864%
9	13.347	1901	1907	1918	rVB	763725	1140039	56.53%	11.908%
10	13.883	1987	1995	2002	rBV	18209	30586	1.52%	0.319%

Sum of corrected areas: 9573896

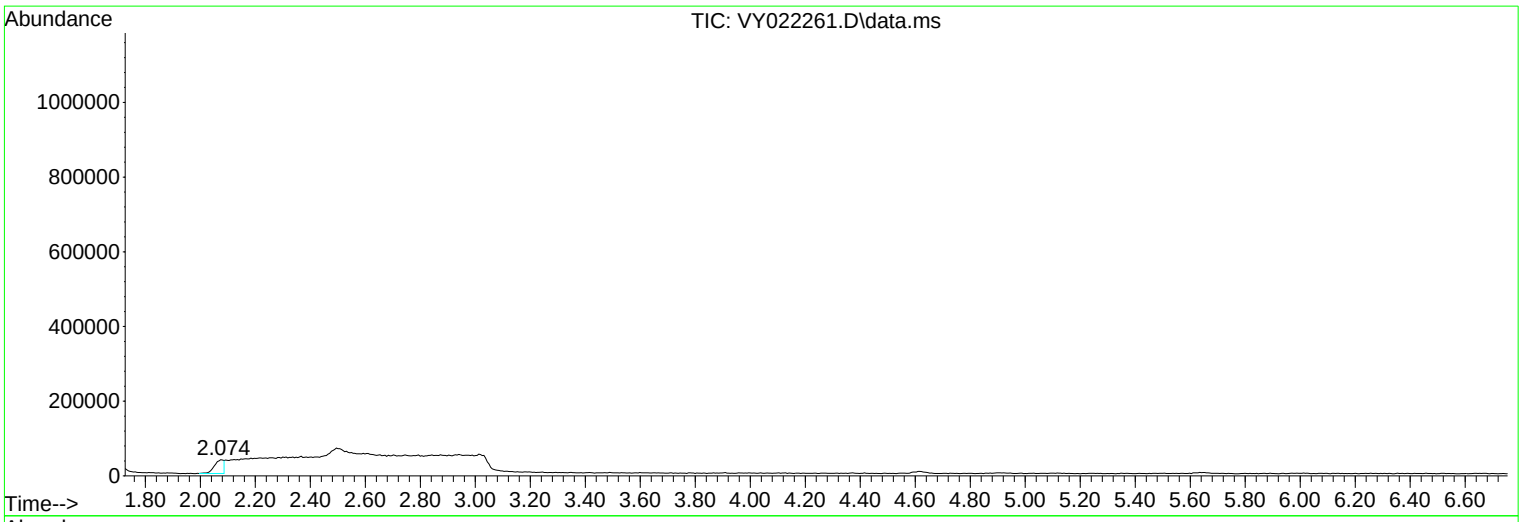
Sample Results: **VY022261.D**

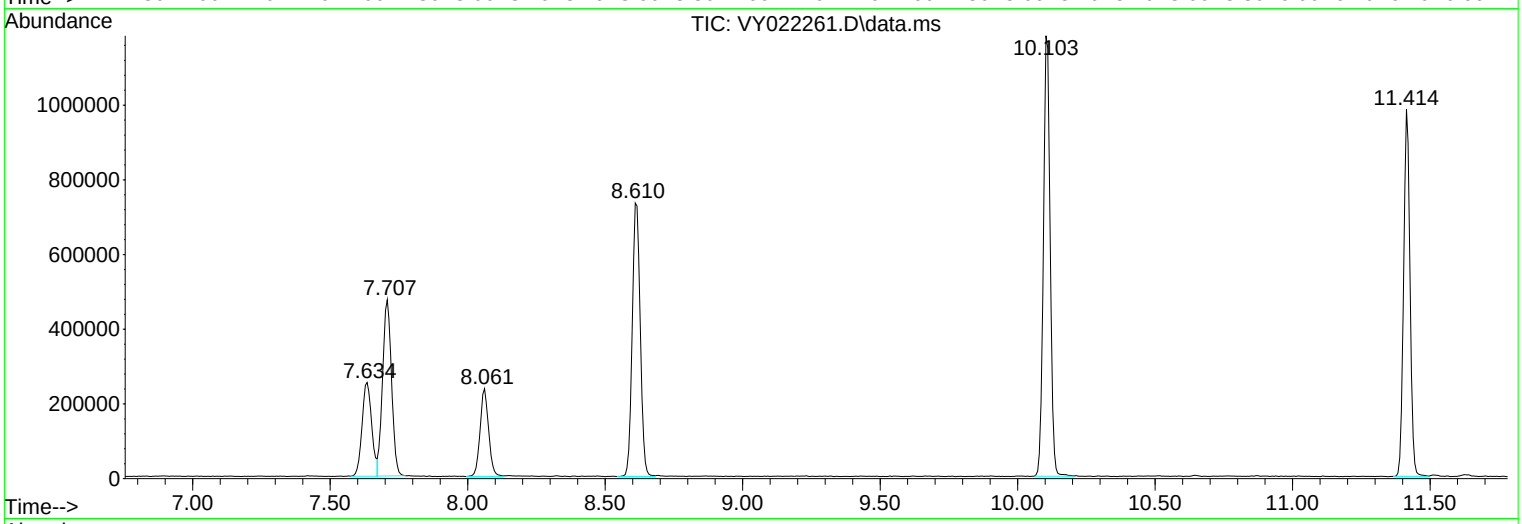
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022261.D
Acq On : 15 May 2025 13:44
Operator : SY/MD
Sample : VY0515SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

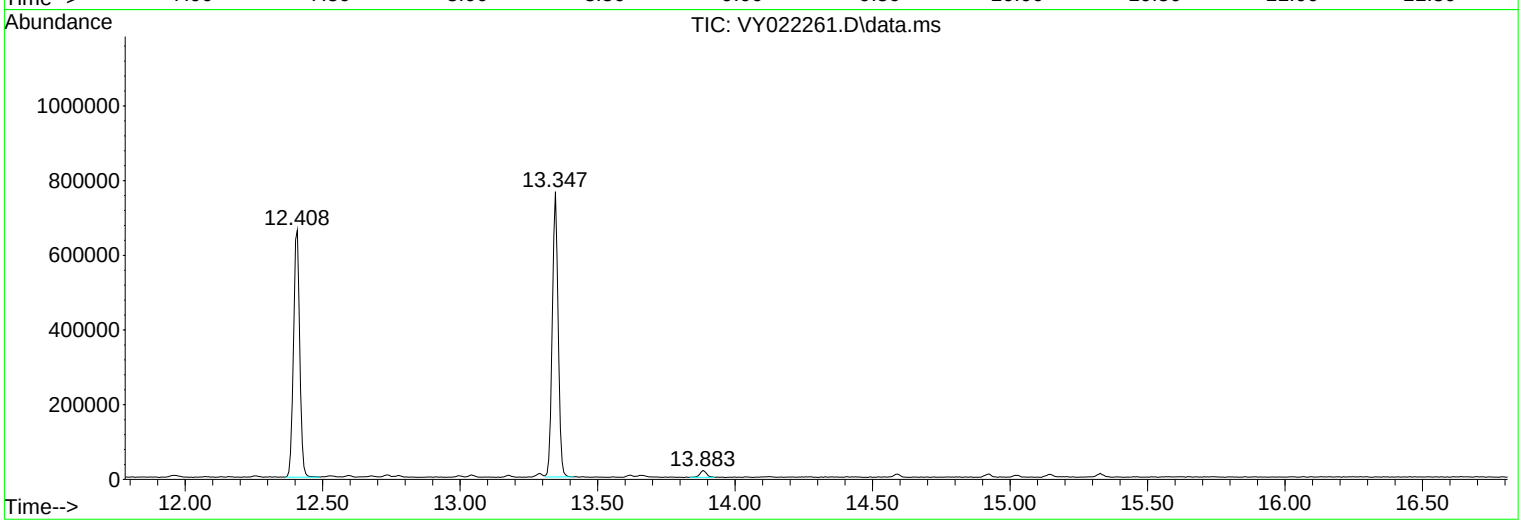
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022261.D
Acq On : 15 May 2025 13:44
Operator : SY/MD
Sample : VY0515SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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\VY051525\
Data File : VY022261.D
Acq On : 15 May 2025 13:44
Operator : SY/MD
Sample : VY0515SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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\VY051625\
Data File : VY022278.D
Acq On : 16 May 2025 09:37
Operator : SY/MD
Sample : VY0516SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Quant Time: May 17 01:27:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	314347	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	555500	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	426459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	151389	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150831	43.903	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 87.800%			
35) Dibromofluoromethane	7.634	113	158963	47.945	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.880%			
50) Toluene-d8	10.109	98	662270	48.771	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.540%			
62) 4-Bromofluorobenzene	12.408	95	208685	48.485	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.980%			

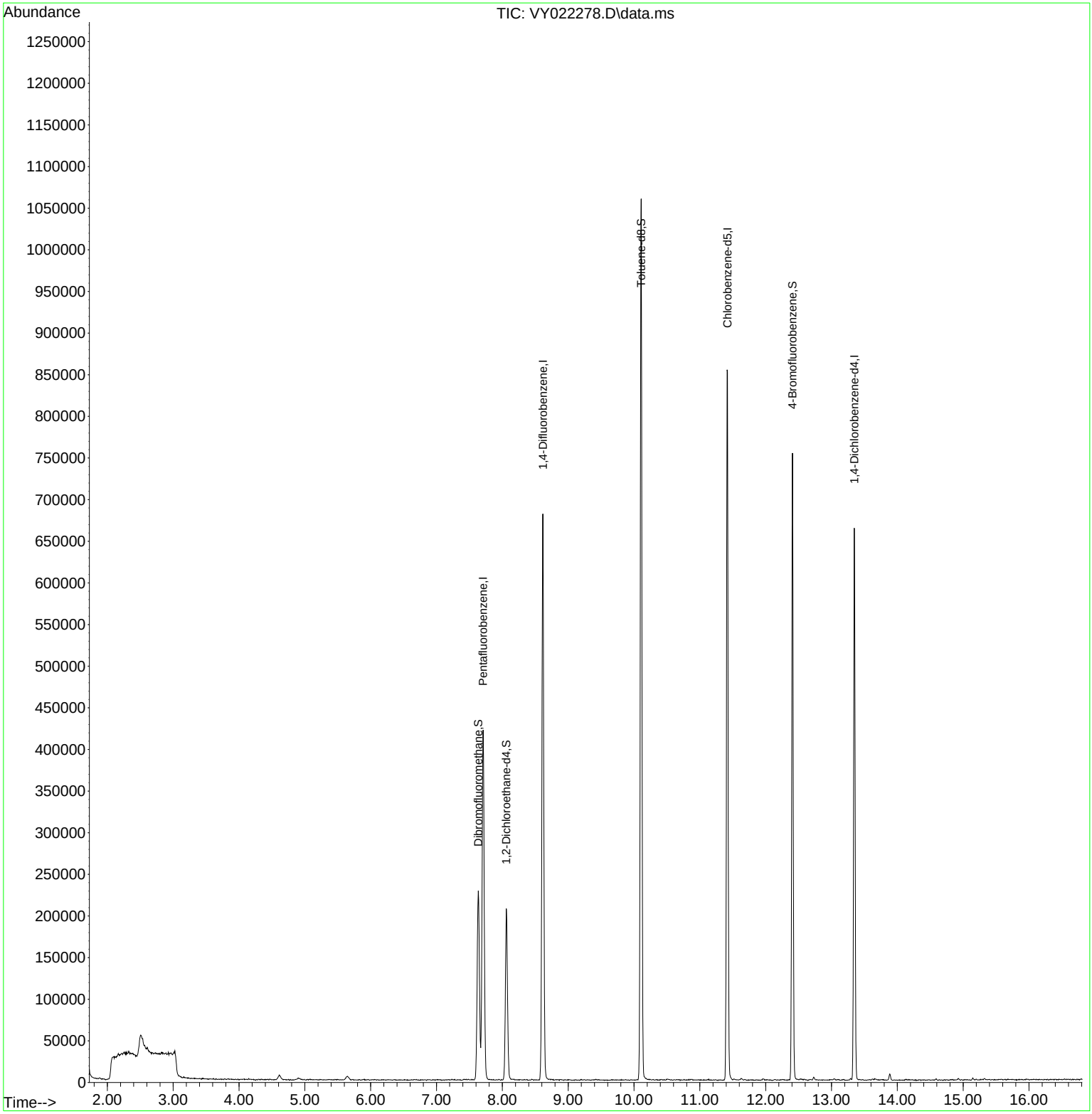
Target Compounds Qvalue

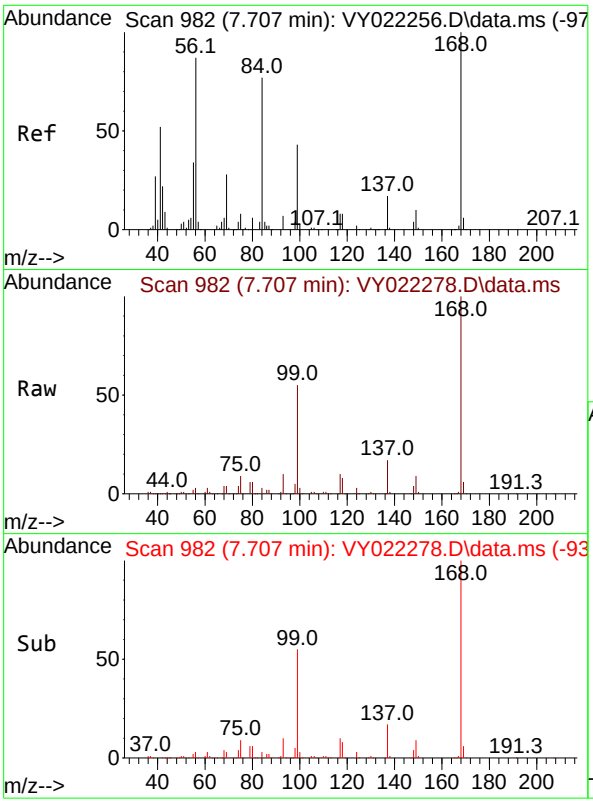
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022278.D
Acq On : 16 May 2025 09:37
Operator : SY/MD
Sample : VY0516SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Quant Time: May 17 01:27:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



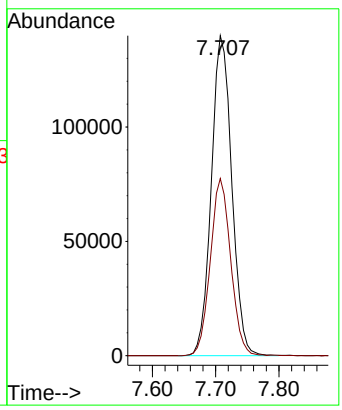


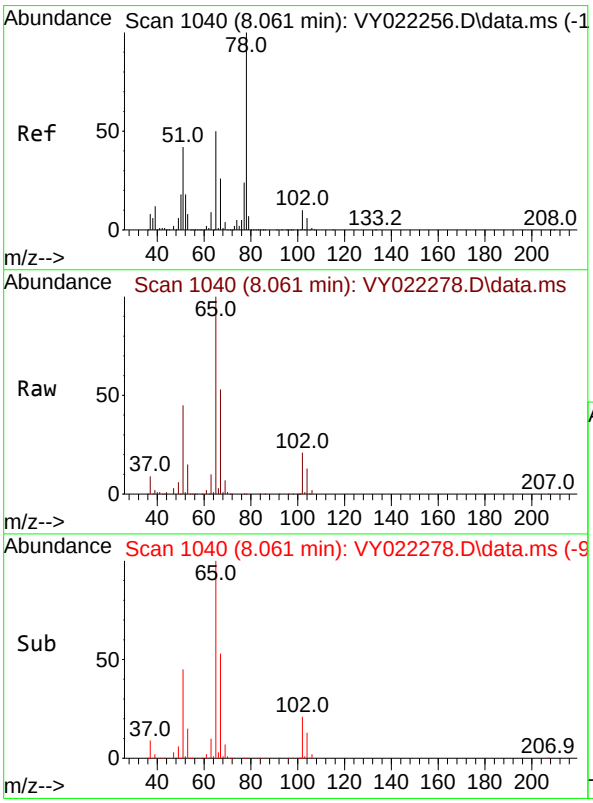
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Tgt Ion:168 Resp: 314347

Ion	Ratio	Lower	Upper
168	100		
99	55.4	44.2	66.4

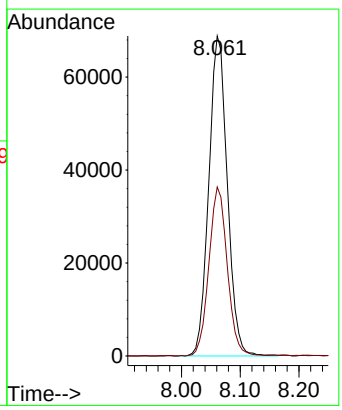


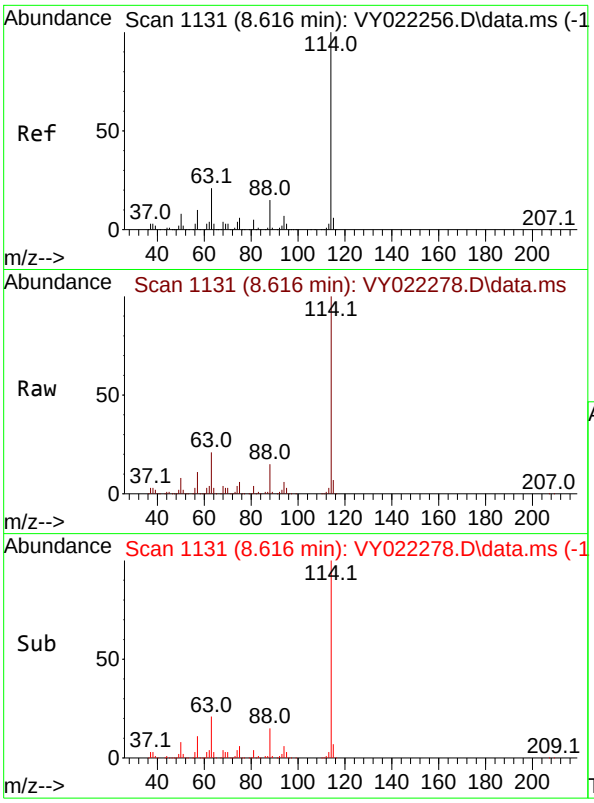


#33
1,2-Dichloroethane-d4
Concen: 43.903 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Tgt Ion: 65 Resp: 150831

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.6



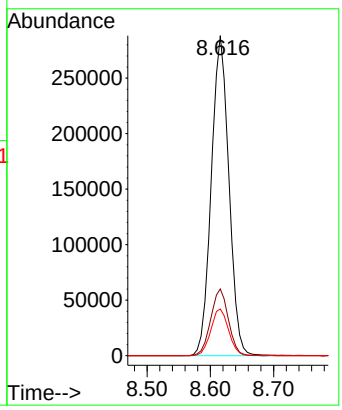


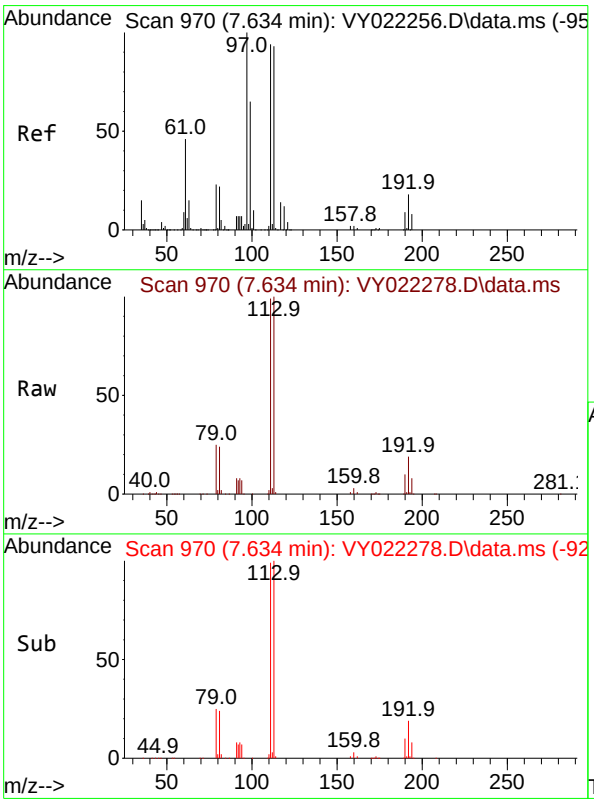
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Tgt Ion:114 Resp: 555500

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	41.0
88	14.6	0.0	29.4

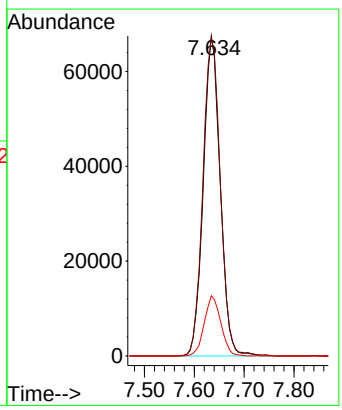


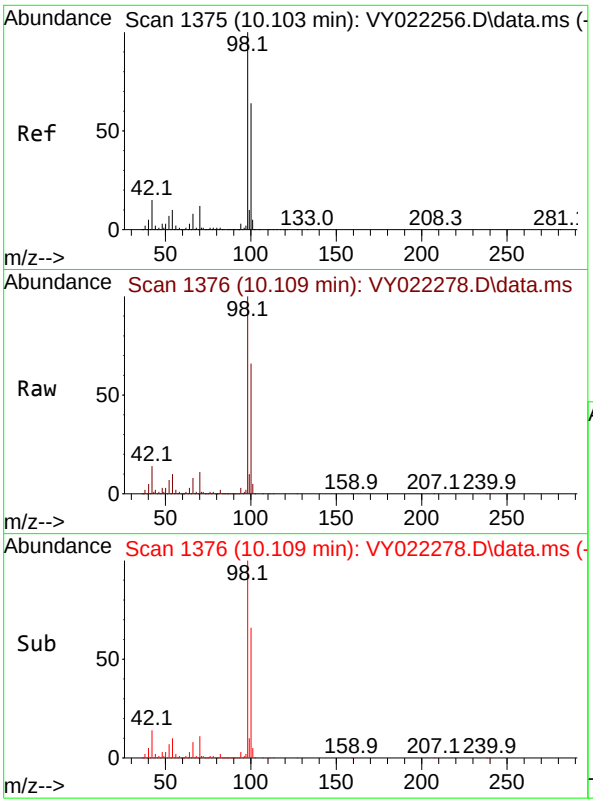


#35
Dibromofluoromethane
Concen: 47.945 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Tgt Ion:113 Resp: 158963

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.6	123.8
192	18.4	15.2	22.8



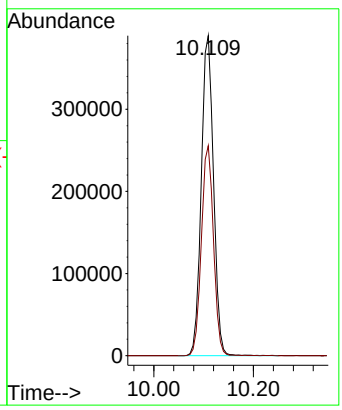


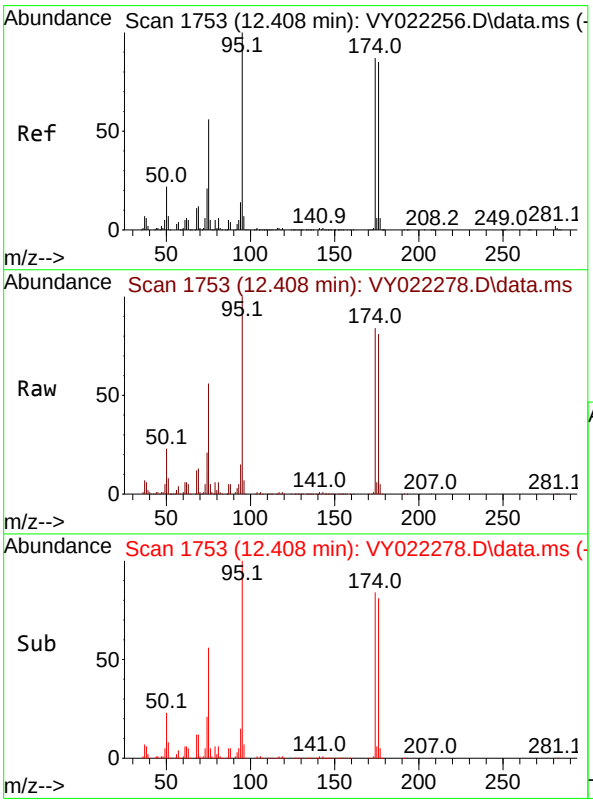
#50
Toluene-d8
Concen: 48.771 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Tgt Ion: 98 Resp: 662270

Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.8	77.8

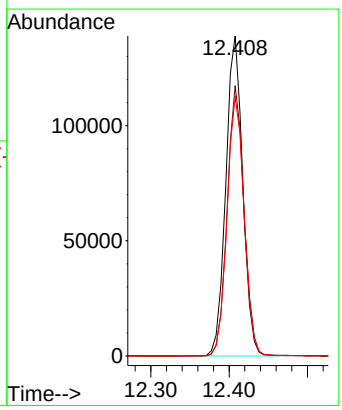


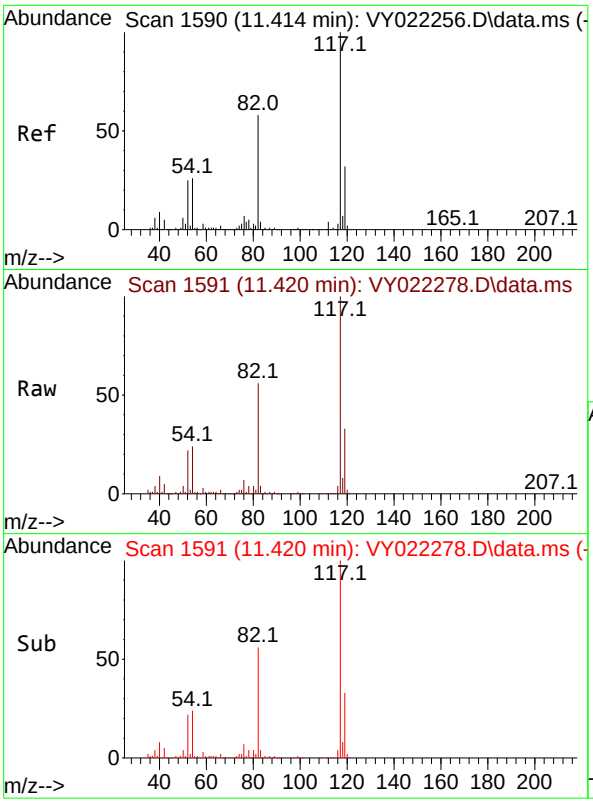


#62
4-Bromofluorobenzene
Concen: 48.485 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Tgt Ion: 95 Resp: 208685

Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	166.8
176	81.7	0.0	160.8



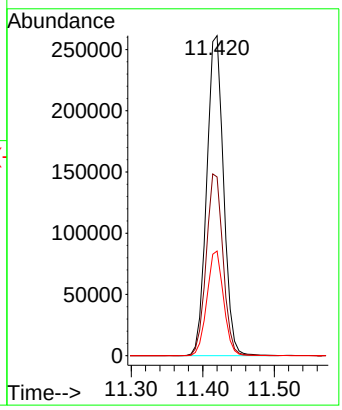


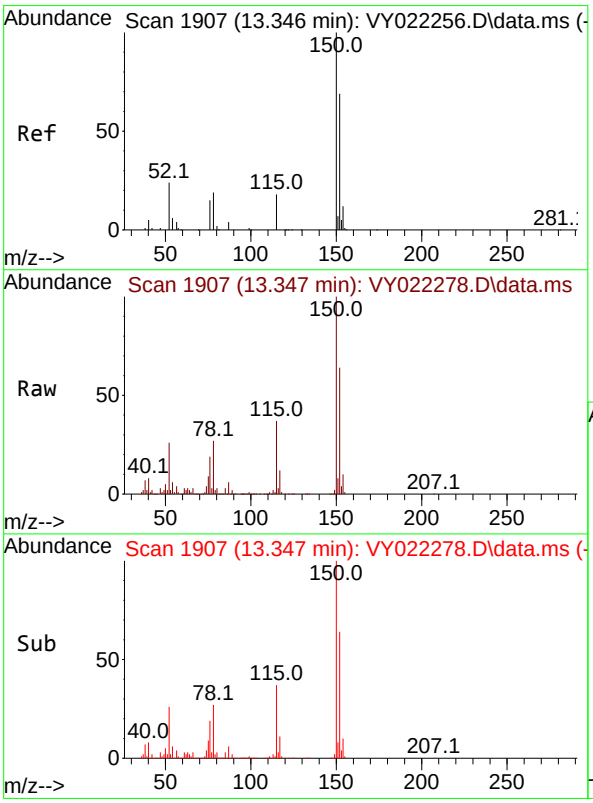
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Tgt Ion:117 Resp: 426459

Ion	Ratio	Lower	Upper
117	100		
82	55.8	46.6	70.0
119	32.7	25.8	38.6

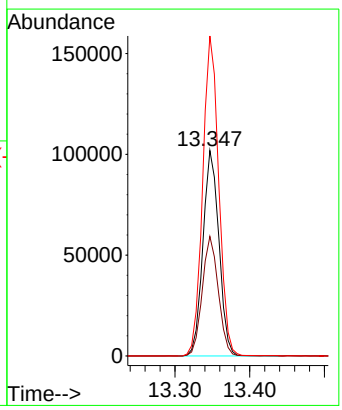




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Tgt Ion:152 Resp: 151389

Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.4	88.2
150	156.5	0.0	353.8



Sample Results: **VY022278.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022278.D
Acq On : 16 May 2025 09:37
Operator : SY/MD
Sample : VY0516SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

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\82Y051525S.M
Title : SW846 8260

Signal : TIC: VY022278.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.507	124	129	133	rBV6	15187	37517	2.06%	0.432%
2	7.634	960	970	976	rBV	227205	549094	30.21%	6.327%
3	7.707	976	982	995	rVB	419918	942727	51.86%	10.863%
4	8.061	1030	1040	1052	rBV	205731	447251	24.60%	5.154%
5	8.616	1122	1131	1145	rBV	679955	1321951	72.73%	15.232%
6	10.109	1368	1376	1387	rBV	1058309	1817733	100.00%	20.945%
7	11.414	1582	1590	1603	rBV	853205	1412662	77.72%	16.278%
8	12.408	1746	1753	1764	rBV	752746	1152576	63.41%	13.281%
9	13.347	1900	1907	1918	rVB	662743	997052	54.85%	11.489%

Sum of corrected areas: 8678563

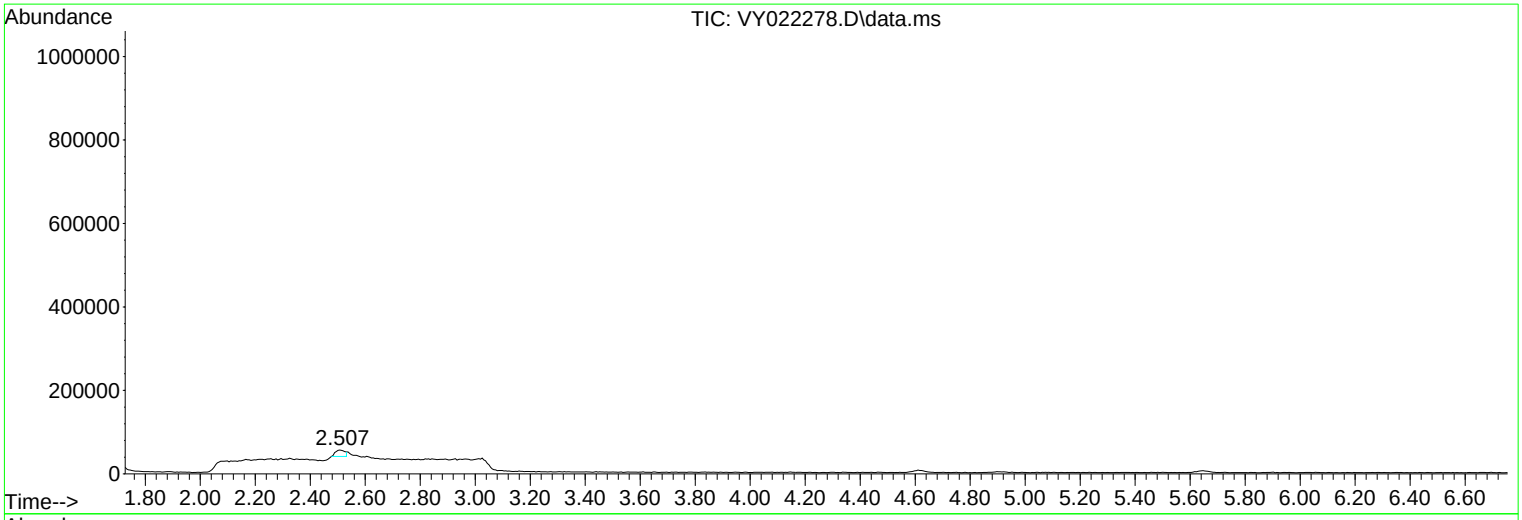
Sample Results: **VY022278.D**

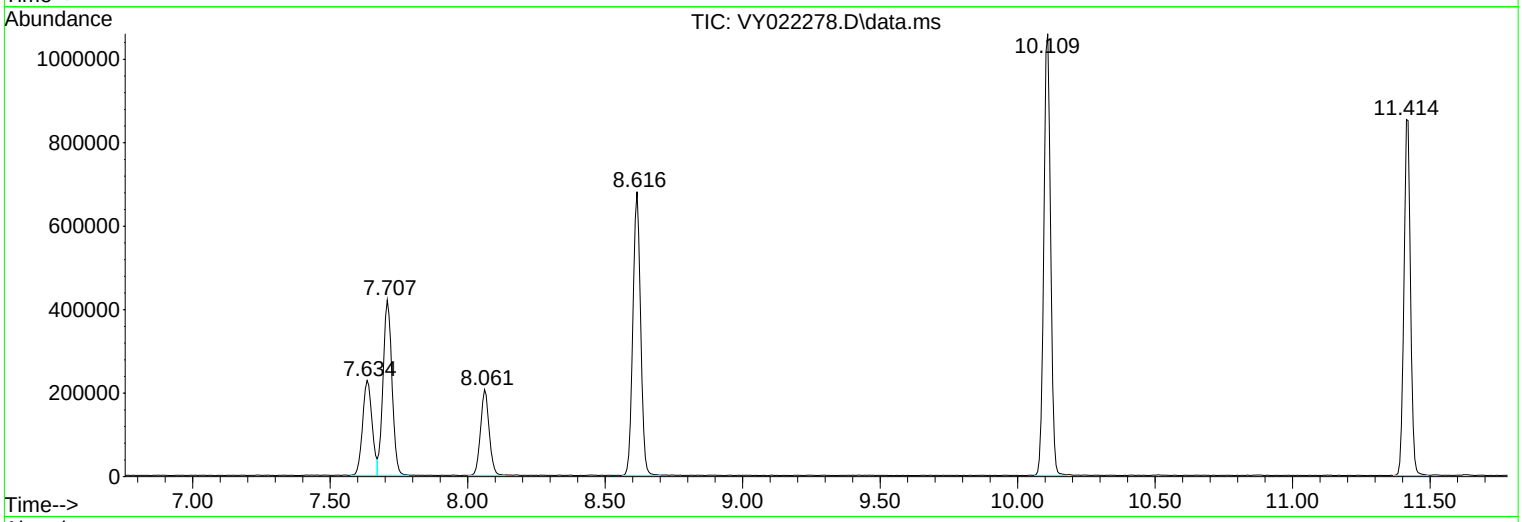
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022278.D
Acq On : 16 May 2025 09:37
Operator : SY/MD
Sample : VY0516SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

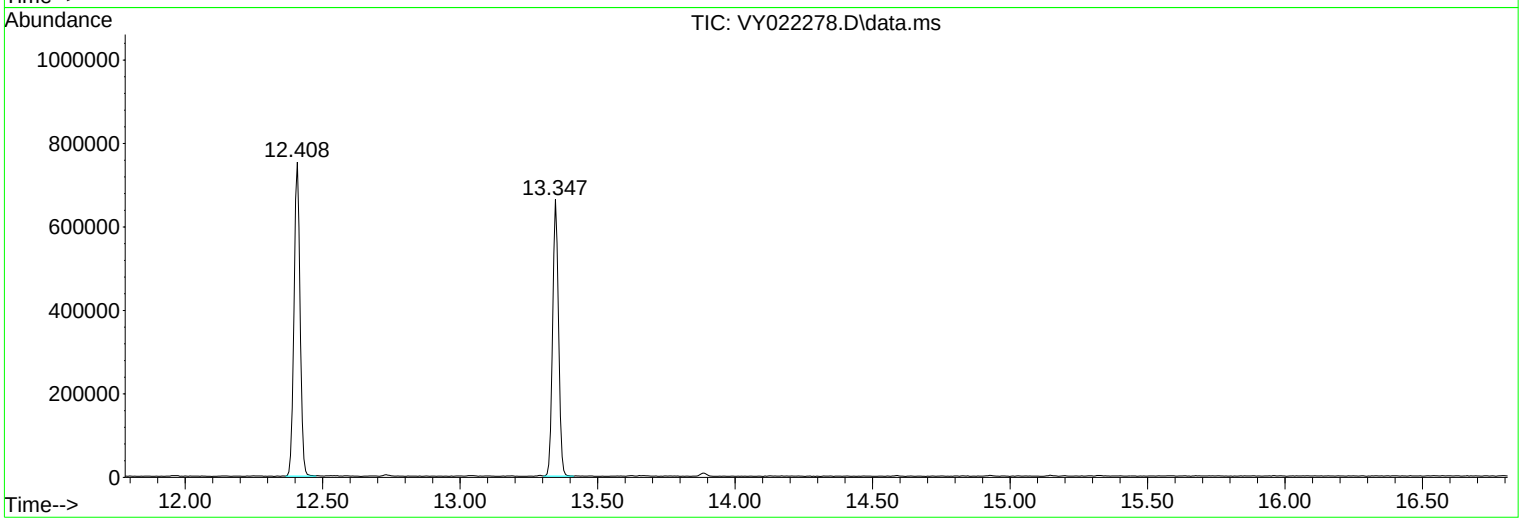
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022278.D
Acq On : 16 May 2025 09:37
Operator : SY/MD
Sample : VY0516SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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\VY051625\
Data File : VY022278.D
Acq On : 16 May 2025 09:37
Operator : SY/MD
Sample : VY0516SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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\VY051525\
Data File : VY022262.D
Acq On : 15 May 2025 14:07
Operator : SY/MD
Sample : VY0515SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 16 01:54:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	240556	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	405751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	344872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	163448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	134549	51.178	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.360%			
35) Dibromofluoromethane	7.634	113	123849	51.140	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.280%			
50) Toluene-d8	10.103	98	508643	51.282	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.560%			
62) 4-Bromofluorobenzene	12.408	95	157889	50.222	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	55866	22.256	ug/l	96
3) Chloromethane	2.062	50	128835	24.400	ug/l	99
4) Vinyl Chloride	2.202	62	138947	23.553	ug/l	97
5) Bromomethane	2.592	94	119304	24.843	ug/l	100
6) Chloroethane	2.732	64	83509	22.754	ug/l	98
7) Trichlorofluoromethane	3.050	101	136929	22.926	ug/l	97
8) Diethyl Ether	3.452	74	29041	20.261	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	54846	21.152	ug/l	99
10) Methyl Iodide	4.001	142	55406	18.462	ug/l	98
11) Tert butyl alcohol	4.872	59	20159	100.411	ug/l #	100
12) 1,1-Dichloroethene	3.781	96	54958	21.358	ug/l	99
13) Acrolein	3.653	56	29036	98.931	ug/l	96
14) Allyl chloride	4.379	41	93389	20.699	ug/l	97
15) Acrylonitrile	5.055	53	60103	101.763	ug/l	99
16) Acetone	3.873	43	49514	100.441	ug/l	99
17) Carbon Disulfide	4.104	76	179245	21.362	ug/l	99
18) Methyl Acetate	4.385	43	29743	19.136	ug/l	96
19) Methyl tert-butyl Ether	5.110	73	144494	20.366	ug/l	99
20) Methylene Chloride	4.616	84	67724	21.261	ug/l	91
21) trans-1,2-Dichloroethene	5.110	96	58315	20.532	ug/l	96
22) Diisopropyl ether	6.018	45	196421	20.615	ug/l	100
23) Vinyl Acetate	5.958	43	578998	100.588	ug/l	99
24) 1,1-Dichloroethane	5.915	63	110449	20.749	ug/l	97
25) 2-Butanone	6.896	43	81164	98.430	ug/l	97
26) 2,2-Dichloropropane	6.884	77	98935	20.897	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	68417	20.875	ug/l	99
28) Bromochloromethane	7.244	49	47380	20.868	ug/l	100
29) Tetrahydrofuran	7.262	42	54316	102.386	ug/l	99
30) Chloroform	7.421	83	108086	21.169	ug/l	95
31) Cyclohexane	7.701	56	111819	21.025	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	98630	21.056	ug/l	98
36) 1,1-Dichloropropene	7.835	75	81482	20.427	ug/l	99
37) Ethyl Acetate	6.988	43	38460	20.039	ug/l	98
38) Carbon Tetrachloride	7.817	117	84041	20.354	ug/l	95
39) Methylcyclohexane	9.109	83	112902	21.067	ug/l	99
40) Benzene	8.079	78	245775	20.784	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022262.D
Acq On : 15 May 2025 14:07
Operator : SY/MD
Sample : VY0515SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 16 01:54:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	26058m	20.468	ug/l		
42) 1,2-Dichloroethane	8.158	62	65234	20.399	ug/l		100
43) Isopropyl Acetate	8.195	43	82723	19.763	ug/l	#	88
44) Trichloroethene	8.866	130	60548	20.593	ug/l		100
45) 1,2-Dichloropropane	9.140	63	58205	20.416	ug/l		96
46) Dibromomethane	9.231	93	31296	20.353	ug/l		99
47) Bromodichloromethane	9.420	83	83066	20.823	ug/l		99
48) Methyl methacrylate	9.219	41	38763	19.803	ug/l		98
49) 1,4-Dioxane	9.231	88	6813	392.199	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	201472	98.097	ug/l		99
52) Toluene	10.170	92	150777	20.135	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	77444	19.893	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	91983	20.623	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	39755	20.190	ug/l		98
56) Ethyl methacrylate	10.438	69	60445	19.707	ug/l		99
57) 1,3-Dichloropropane	10.713	76	70964	20.284	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	124088	90.134	ug/l		100
59) 2-Hexanone	10.762	43	132798	96.437	ug/l		98
60) Dibromochloromethane	10.908	129	52808	20.662	ug/l		98
61) 1,2-Dibromoethane	11.012	107	36868	20.089	ug/l		100
64) Tetrachloroethene	10.646	164	63391	19.886	ug/l		98
65) Chlorobenzene	11.438	112	157927	20.297	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.511	131	52751	19.721	ug/l		99
67) Ethyl Benzene	11.518	91	292819	20.095	ug/l		98
68) m/p-Xylenes	11.627	106	218261	39.750	ug/l		99
69) o-Xylene	11.950	106	103620	19.946	ug/l		99
70) Styrene	11.969	104	173798	19.833	ug/l		99
71) Bromoform	12.127	173	28611	19.817	ug/l	#	99
73) Isopropylbenzene	12.255	105	272938	20.157	ug/l		100
74) N-amyl acetate	12.066	43	75451	19.483	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	41948	20.143	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	33194m	20.046	ug/l		
77) Bromobenzene	12.530	156	56683	19.600	ug/l		96
78) n-propylbenzene	12.590	91	336430	20.598	ug/l		99
79) 2-Chlorotoluene	12.676	91	177870	19.817	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	217065	19.858	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	15228	18.629	ug/l		99
82) 4-Chlorotoluene	12.779	91	184041	19.935	ug/l		100
83) tert-Butylbenzene	12.993	119	197455	20.324	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	216888	19.988	ug/l		99
85) sec-Butylbenzene	13.176	105	292767	20.300	ug/l		99
86) p-Isopropyltoluene	13.292	119	241434	19.905	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	115782	19.611	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	113146	19.924	ug/l		100
89) n-Butylbenzene	13.615	91	233741	20.370	ug/l		99
90) Hexachloroethane	13.877	117	49361	20.160	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	97586	19.678	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6960	20.726	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	56627	19.768	ug/l		99
94) Hexachlorobutadiene	15.023	225	32198	20.155	ug/l		97
95) Naphthalene	15.145	128	102697	18.892	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	47086	19.376	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022262.D
Acq On : 15 May 2025 14:07
Operator : SY/MD
Sample : VY0515SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 16 01:54:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

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

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

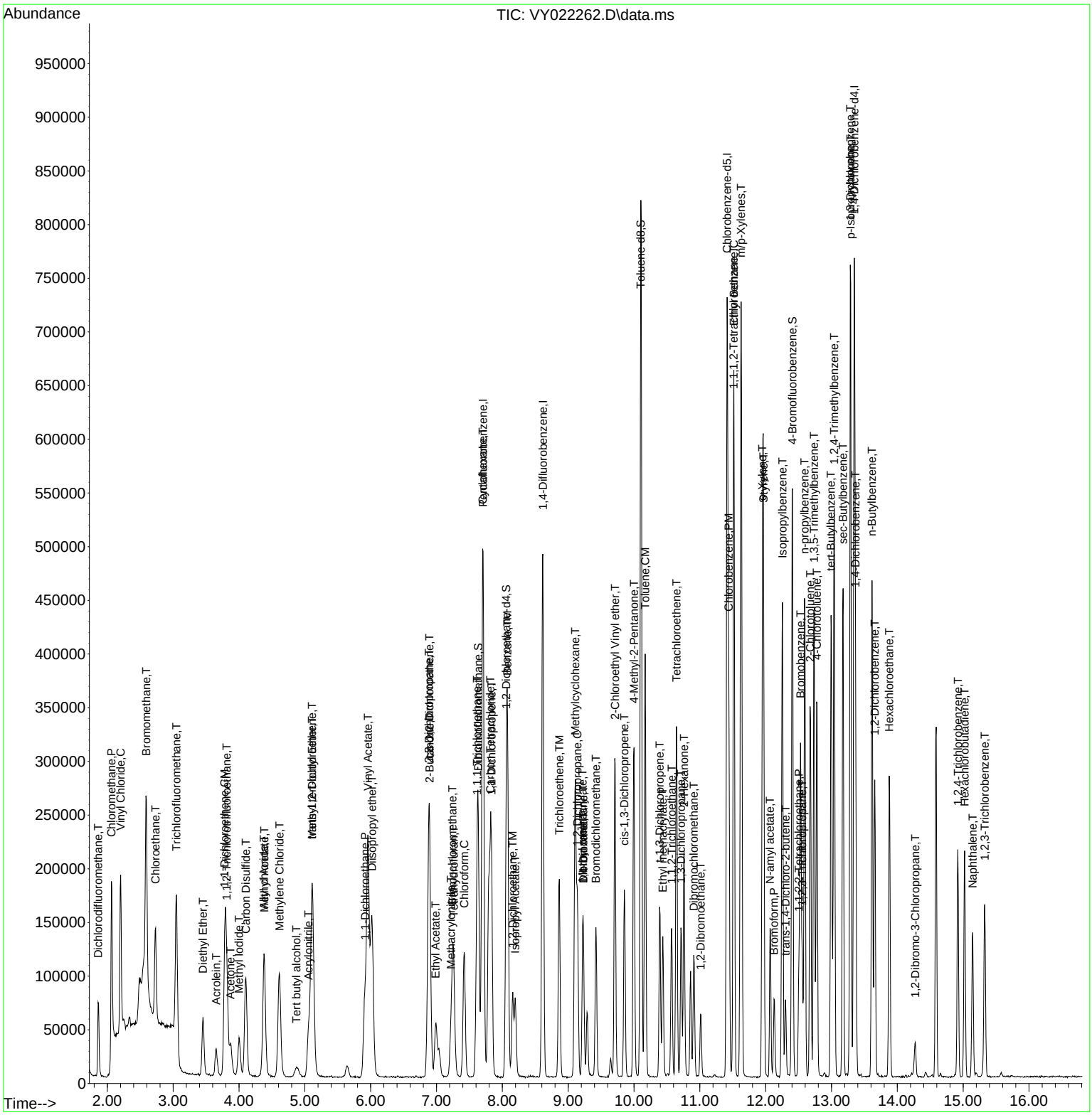
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Data File : VY022262.D
Acq On : 15 May 2025 14:07
Operator : SY/MD
Sample : VY0515SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 16 01:54:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022279.D
Acq On : 16 May 2025 10:09
Operator : SY/MD
Sample : VY0516SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 17 01:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	205076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	351708	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	300126	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	141210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114577	51.121	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.240%			
35) Dibromofluoromethane	7.634	113	106659	50.809	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.620%			
50) Toluene-d8	10.109	98	437632	50.903	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.800%			
62) 4-Bromofluorobenzene	12.408	95	134691	49.426	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	45052	21.053	ug/l	96
3) Chloromethane	2.068	50	109640	24.357	ug/l	99
4) Vinyl Chloride	2.202	62	120955	24.051	ug/l	97
5) Bromomethane	2.592	94	108325	26.460	ug/l	96
6) Chloroethane	2.732	64	77272	24.698	ug/l	97
7) Trichlorofluoromethane	3.049	101	112994	22.191	ug/l	98
8) Diethyl Ether	3.452	74	24161	19.772	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	46362	20.973	ug/l	98
10) Methyl Iodide	4.000	142	47690	18.640	ug/l	99
11) Tert butyl alcohol	4.866	59	16251	94.950	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	45611	20.793	ug/l	96
13) Acrolein	3.653	56	22588	90.276	ug/l	98
14) Allyl chloride	4.385	41	76691	19.939	ug/l	97
15) Acrylonitrile	5.061	53	49210	97.735	ug/l	98
16) Acetone	3.879	43	35951	85.545	ug/l	98
17) Carbon Disulfide	4.104	76	148086	20.702	ug/l	98
18) Methyl Acetate	4.385	43	26179	19.757	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	122697	20.286	ug/l	98
20) Methylene Chloride	4.616	84	54277	19.987	ug/l	91
21) trans-1,2-Dichloroethene	5.116	96	49533	20.457	ug/l	97
22) Diisopropyl ether	6.018	45	160728	19.788	ug/l	99
23) Vinyl Acetate	5.957	43	464752	94.709	ug/l	99
24) 1,1-Dichloroethane	5.915	63	92075	20.290	ug/l	98
25) 2-Butanone	6.896	43	64354	91.546	ug/l	100
26) 2,2-Dichloropropane	6.884	77	80883	20.039	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	57480	20.572	ug/l	99
28) Bromochloromethane	7.250	49	38175	19.722	ug/l	98
29) Tetrahydrofuran	7.268	42	43168	95.450	ug/l	96
30) Chloroform	7.421	83	90925	20.889	ug/l	99
31) Cyclohexane	7.701	56	89576	19.756	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	82428	20.641	ug/l	98
36) 1,1-Dichloropropene	7.835	75	67416	19.498	ug/l	99
37) Ethyl Acetate	6.988	43	30289	18.206	ug/l	96
38) Carbon Tetrachloride	7.817	117	70982	19.833	ug/l	98
39) Methylcyclohexane	9.109	83	90967	19.583	ug/l	96
40) Benzene	8.079	78	206032	20.100	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022279.D
Acq On : 16 May 2025 10:09
Operator : SY/MD
Sample : VY0516SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 17 01:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	20703m	18.760	ug/l		
42) 1,2-Dichloroethane	8.158	62	55663	20.081	ug/l		99
43) Isopropyl Acetate	8.201	43	66577	18.350	ug/l		100
44) Trichloroethene	8.865	130	52001	20.403	ug/l		99
45) 1,2-Dichloropropane	9.140	63	48024	19.433	ug/l		95
46) Dibromomethane	9.231	93	26030	19.529	ug/l		96
47) Bromodichloromethane	9.426	83	69687	20.153	ug/l		99
48) Methyl methacrylate	9.225	41	31270	18.429	ug/l		99
49) 1,4-Dioxane	9.237	88	5450	361.945	ug/l		95
51) 4-Methyl-2-Pentanone	9.999	43	161776	90.873	ug/l		98
52) Toluene	10.170	92	126577	19.501	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	63643	18.860	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	74469	19.261	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	33647	19.714	ug/l		96
56) Ethyl methacrylate	10.438	69	48650	18.299	ug/l		97
57) 1,3-Dichloropropane	10.719	76	58178	19.185	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	99985	83.786	ug/l		100
59) 2-Hexanone	10.761	43	106492	89.217	ug/l		99
60) Dibromochloromethane	10.914	129	43390	19.586	ug/l		98
61) 1,2-Dibromoethane	11.018	107	31515	19.811	ug/l		99
64) Tetrachloroethene	10.646	164	54813	19.759	ug/l		99
65) Chlorobenzene	11.444	112	133251	19.679	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.517	131	44554	19.140	ug/l		100
67) Ethyl Benzene	11.517	91	241283	19.027	ug/l		98
68) m/p-Xylenes	11.627	106	183701	38.444	ug/l		98
69) o-Xylene	11.956	106	87610	19.379	ug/l		96
70) Styrene	11.969	104	144454	18.942	ug/l		99
71) Bromoform	12.133	173	23136	18.414	ug/l	#	99
73) Isopropylbenzene	12.255	105	226293	19.344	ug/l		100
74) N-amyl acetate	12.072	43	59704	17.844	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	34300	19.065	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	27665m	19.338	ug/l		
77) Bromobenzene	12.529	156	47234	18.904	ug/l		97
78) n-propylbenzene	12.597	91	274165	19.430	ug/l		100
79) 2-Chlorotoluene	12.682	91	148305	19.125	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	178884	18.943	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	11847	16.775	ug/l		93
82) 4-Chlorotoluene	12.779	91	148832	18.660	ug/l		98
83) tert-Butylbenzene	12.999	119	161923	19.292	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	179642	19.163	ug/l		99
85) sec-Butylbenzene	13.176	105	239464	19.219	ug/l		99
86) p-Isopropyltoluene	13.291	119	197757	18.872	ug/l		98
87) 1,3-Dichlorobenzene	13.285	146	93936	18.416	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	92740	18.902	ug/l		99
89) n-Butylbenzene	13.615	91	191322	19.299	ug/l		98
90) Hexachloroethane	13.877	117	40730	19.255	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	81717	19.073	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5507	18.982	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	47875	19.345	ug/l		96
94) Hexachlorobutadiene	15.023	225	26080	18.897	ug/l		98
95) Naphthalene	15.145	128	86461	18.410	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	39190	18.667	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022279.D
Acq On : 16 May 2025 10:09
Operator : SY/MD
Sample : VY0516SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 17 01:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

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

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

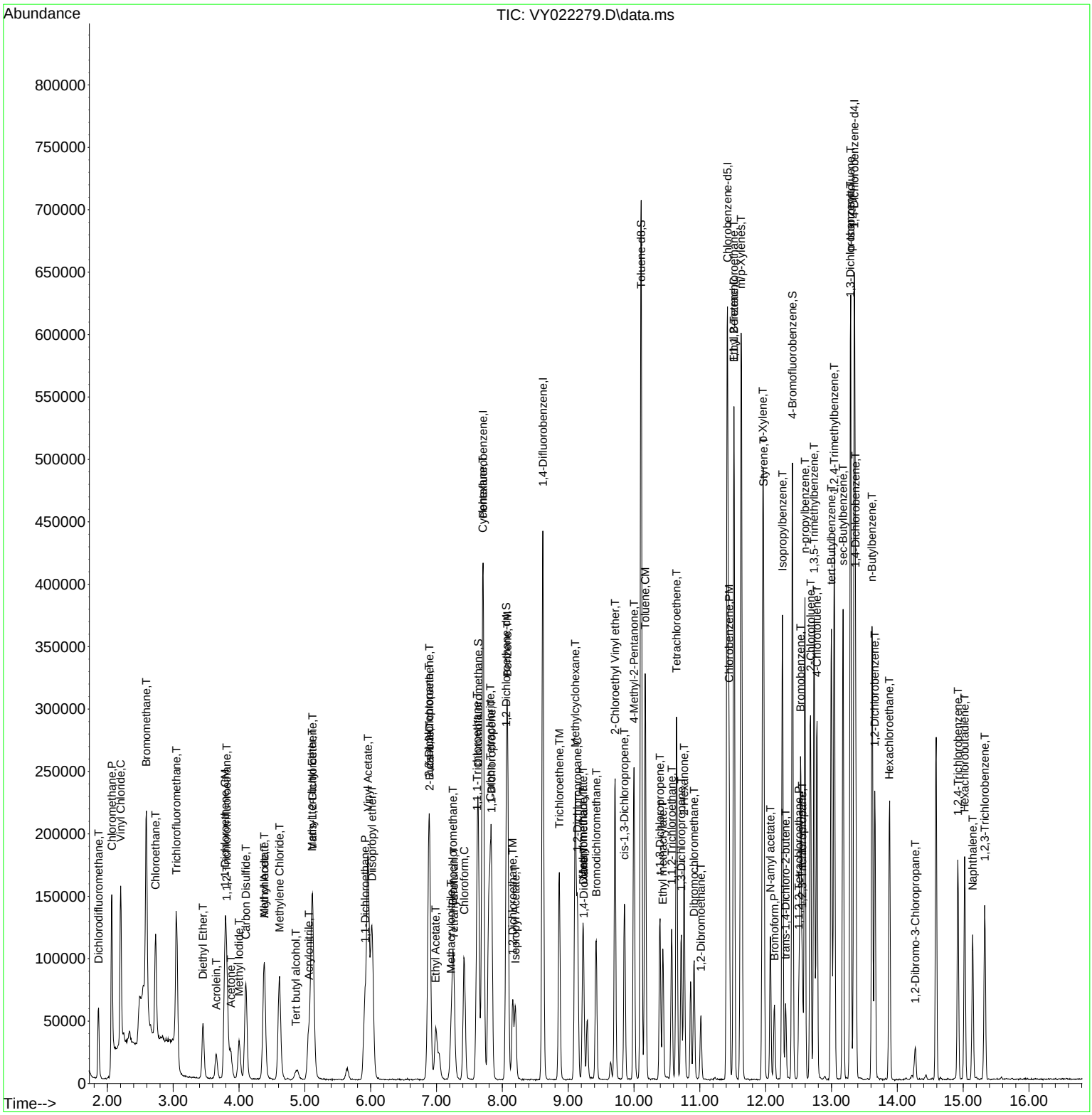
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Data File : VY022279.D
Acq On : 16 May 2025 10:09
Operator : SY/MD
Sample : VY0516SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 17 01:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022263.D
Acq On : 15 May 2025 14:29
Operator : SY/MD
Sample : VY0515SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 16 01:55:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	238919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	402031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	341987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	161126	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	135626	51.941	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.880%			
35) Dibromofluoromethane	7.634	113	123255	51.366	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.740%			
50) Toluene-d8	10.103	98	503583	51.242	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.480%			
62) 4-Bromofluorobenzene	12.402	95	156883	50.364	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	53122	21.308	ug/l	100
3) Chloromethane	2.062	50	120806	23.036	ug/l	99
4) Vinyl Chloride	2.202	62	133825	22.841	ug/l	95
5) Bromomethane	2.586	94	115963	24.313	ug/l	97
6) Chloroethane	2.726	64	81580	22.381	ug/l	99
7) Trichlorofluoromethane	3.050	101	131275	22.130	ug/l	97
8) Diethyl Ether	3.452	74	30102	21.145	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	53293	20.694	ug/l	99
10) Methyl Iodide	4.001	142	56585	18.984	ug/l	98
11) Tert butyl alcohol	4.872	59	22281	111.741	ug/l #	100
12) 1,1-Dichloroethene	3.781	96	51053	19.977	ug/l	99
13) Acrolein	3.653	56	29646	101.701	ug/l	95
14) Allyl chloride	4.379	41	90707	20.242	ug/l	98
15) Acrylonitrile	5.061	53	63262	107.846	ug/l	100
16) Acetone	3.873	43	49080	100.243	ug/l	97
17) Carbon Disulfide	4.104	76	170931	20.511	ug/l	100
18) Methyl Acetate	4.385	43	32845	21.277	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	147866	20.984	ug/l	100
20) Methylene Chloride	4.616	84	67252	21.257	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	58391	20.700	ug/l	97
22) Diisopropyl ether	6.019	45	191390	20.225	ug/l	99
23) Vinyl Acetate	5.958	43	582104	101.820	ug/l	99
24) 1,1-Dichloroethane	5.915	63	107336	20.303	ug/l	99
25) 2-Butanone	6.896	43	84807	103.553	ug/l	94
26) 2,2-Dichloropropane	6.884	77	94109	20.013	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	65488	20.118	ug/l	99
28) Bromochloromethane	7.244	49	45781	20.301	ug/l	100
29) Tetrahydrofuran	7.262	42	57613	109.345	ug/l	98
30) Chloroform	7.421	83	103980	20.505	ug/l	97
31) Cyclohexane	7.695	56	104972	19.873	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	93522	20.102	ug/l	99
36) 1,1-Dichloropropene	7.835	75	78647	19.899	ug/l	99
37) Ethyl Acetate	6.982	43	41008	21.564	ug/l	98
38) Carbon Tetrachloride	7.817	117	80942	19.785	ug/l	98
39) Methylcyclohexane	9.109	83	105996	19.962	ug/l	98
40) Benzene	8.079	78	234747	20.035	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022263.D
Acq On : 15 May 2025 14:29
Operator : SY/MD
Sample : VY0515SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 16 01:55:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	23758m	18.834	ug/l		
42) 1,2-Dichloroethane	8.158	62	64565	20.377	ug/l		99
43) Isopropyl Acetate	8.195	43	86552	20.869	ug/l		98
44) Trichloroethene	8.866	130	57705	19.807	ug/l		97
45) 1,2-Dichloropropane	9.140	63	56246	19.911	ug/l		99
46) Dibromomethane	9.231	93	31011	20.354	ug/l		99
47) Bromodichloromethane	9.420	83	80217	20.295	ug/l		97
48) Methyl methacrylate	9.219	41	39908	20.576	ug/l		99
49) 1,4-Dioxane	9.237	88	7653	444.632	ug/l		96
51) 4-Methyl-2-Pentanone	10.000	43	213720	105.023	ug/l		98
52) Toluene	10.170	92	144686	19.501	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	76950	19.949	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	88052	19.924	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	40220	20.615	ug/l		94
56) Ethyl methacrylate	10.438	69	62553	20.583	ug/l		99
57) 1,3-Dichloropropane	10.719	76	71496	20.625	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	129032	94.593	ug/l		99
59) 2-Hexanone	10.762	43	142594	104.509	ug/l		99
60) Dibromochloromethane	10.908	129	51719	20.424	ug/l		98
61) 1,2-Dibromoethane	11.012	107	37293	20.509	ug/l		96
64) Tetrachloroethene	10.646	164	62797	19.866	ug/l		96
65) Chlorobenzene	11.438	112	153929	19.950	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.511	131	50248	18.944	ug/l		97
67) Ethyl Benzene	11.518	91	283493	19.619	ug/l		98
68) m/p-Xylenes	11.627	106	212811	39.085	ug/l		98
69) o-Xylene	11.950	106	101365	19.677	ug/l		97
70) Styrene	11.969	104	168741	19.418	ug/l		99
71) Bromoform	12.127	173	29512	20.613	ug/l	#	98
73) Isopropylbenzene	12.255	105	261986	19.627	ug/l		100
74) N-amyl acetate	12.066	43	79208	20.747	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	43741	21.307	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	33956m	20.802	ug/l		
77) Bromobenzene	12.530	156	55800	19.572	ug/l		98
78) n-propylbenzene	12.591	91	317668	19.730	ug/l		99
79) 2-Chlorotoluene	12.676	91	172805	19.530	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	208067	19.309	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	16041	19.907	ug/l		99
82) 4-Chlorotoluene	12.773	91	178952	19.663	ug/l		100
83) tert-Butylbenzene	12.993	119	190568	19.898	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	210149	19.646	ug/l		99
85) sec-Butylbenzene	13.176	105	281045	19.768	ug/l		99
86) p-Isopropyltoluene	13.292	119	233015	19.488	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	112481	19.326	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	111832	19.976	ug/l		99
89) n-Butylbenzene	13.615	91	225170	19.906	ug/l		99
90) Hexachloroethane	13.877	117	47537	19.695	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	97586	19.962	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7093	21.427	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	58146	20.591	ug/l		98
94) Hexachlorobutadiene	15.023	225	33000	20.955	ug/l		98
95) Naphthalene	15.145	128	111947	20.890	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	50425	21.049	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022263.D
Acq On : 15 May 2025 14:29
Operator : SY/MD
Sample : VY0515SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 16 01:55:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

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

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

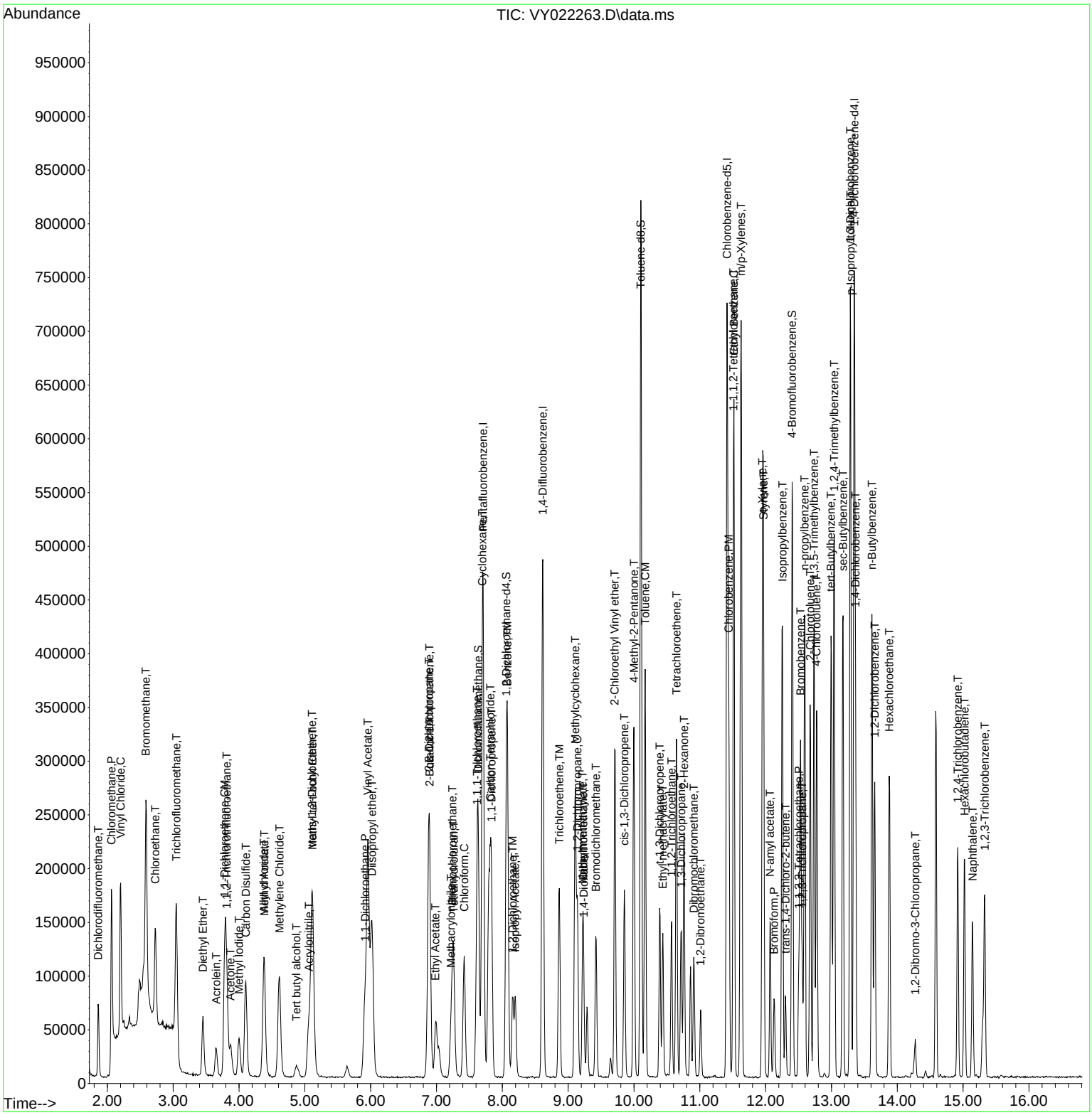
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022263.D
Acq On : 15 May 2025 14:29
Operator : SY/MD
Sample : VY0515SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 16 01:55:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



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

Manual Integration Report

Sequence:	VY051525	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY022253.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:35 AM	Sam	5/16/2025 11:50:51 AM	Peak Integrated by Software
VSTDICC005	VY022253.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:35 AM	Sam	5/16/2025 11:50:51 AM	Peak Integrated by Software
VSTDICC005	VY022253.D	Methyl Acetate	MMDadoda	5/16/2025 11:48:35 AM	Sam	5/16/2025 11:50:51 AM	Peak Integrated by Software
VSTDICC010	VY022254.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:33 AM	Sam	5/16/2025 11:50:49 AM	Peak Integrated by Software
VSTDICC010	VY022254.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:33 AM	Sam	5/16/2025 11:50:49 AM	Peak Integrated by Software
VSTDICC020	VY022255.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:32 AM	Sam	5/16/2025 11:50:48 AM	Peak Integrated by Software
VSTDICC020	VY022255.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:32 AM	Sam	5/16/2025 11:50:48 AM	Peak Integrated by Software
VSTDICCC050	VY022256.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:30 AM	Sam	5/16/2025 11:50:46 AM	Peak Integrated by Software
VSTDICCC050	VY022256.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:30 AM	Sam	5/16/2025 11:50:46 AM	Peak Integrated by Software
VSTDICC100	VY022257.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:28 AM	Sam	5/16/2025 11:50:45 AM	Peak Integrated by Software
VSTDICC100	VY022257.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:28 AM	Sam	5/16/2025 11:50:45 AM	Peak Integrated by Software
VSTDICC150	VY022258.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:27 AM	Sam	5/16/2025 11:50:43 AM	Peak Integrated by Software
VSTDICC150	VY022258.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:27 AM	Sam	5/16/2025 11:50:43 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY051525	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VY022260.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:25 AM	Sam	5/16/2025 11:50:42 AM	Peak Integrated by Software
VSTDICV050	VY022260.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:25 AM	Sam	5/16/2025 11:50:42 AM	Peak Integrated by Software
VY0515SBS01	VY022262.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:23 AM	Sam	5/16/2025 11:50:30 AM	Peak Integrated by Software
VY0515SBS01	VY022262.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:23 AM	Sam	5/16/2025 11:50:30 AM	Peak Integrated by Software
VY0515SBSD01	VY022263.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:22 AM	Sam	5/16/2025 11:50:29 AM	Peak Integrated by Software
VY0515SBSD01	VY022263.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:22 AM	Sam	5/16/2025 11:50:29 AM	Peak Integrated by Software
VSTDCCC050	VY022275.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:21 AM	Sam	5/16/2025 11:50:27 AM	Peak Integrated by Software
VSTDCCC050	VY022275.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:21 AM	Sam	5/16/2025 11:50:27 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY051625	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022277.D	1,2,3-Trichloropropane	MMDadoda	5/19/2025 2:38:54 PM	Sam	5/19/2025 2:44:19 PM	Peak Integrated by Software
VY0516SBS01	VY022279.D	1,2,3-Trichloropropane	MMDadoda	5/19/2025 2:38:56 PM	Sam	5/19/2025 2:44:20 PM	Peak Integrated by Software
VY0516SBS01	VY022279.D	Methacrylonitrile	MMDadoda	5/19/2025 2:38:56 PM	Sam	5/19/2025 2:44:20 PM	Peak Integrated by Software
VSTDCCC050	VY022301.D	1,2,3-Trichloropropane	MMDadoda	5/19/2025 2:39:03 PM	Sam	5/19/2025 2:44:28 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 # VY051525

Review By	Mahesh Dadoda	Review On	5/16/2025 11:49:17 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/16/2025 11:51:38 AM				
SubDirectory	VY051525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133916
Initial Calibration Stds	VP133918,VP133919,VP133920,VP133921,VP133922,VP133923
CCC	VP133925
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133924
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022252.D	15 May 2025 07:52	SY/MD	Ok
2	VSTDICC005	VY022253.D	15 May 2025 09:46	SY/MD	Ok,M
3	VSTDICC010	VY022254.D	15 May 2025 10:16	SY/MD	Ok,M
4	VSTDICC020	VY022255.D	15 May 2025 10:39	SY/MD	Ok,M
5	VSTDICCC050	VY022256.D	15 May 2025 11:02	SY/MD	Ok,M
6	VSTDICC100	VY022257.D	15 May 2025 11:24	SY/MD	Ok,M
7	VSTDICC150	VY022258.D	15 May 2025 11:47	SY/MD	Ok,M
8	VIBLK	VY022259.D	15 May 2025 12:34	SY/MD	Ok
9	VSTDICV050	VY022260.D	15 May 2025 13:20	SY/MD	Ok,M
10	VY0515SBL01	VY022261.D	15 May 2025 13:44	SY/MD	Ok
11	VY0515SBS01	VY022262.D	15 May 2025 14:07	SY/MD	Ok,M
12	VY0515SBSD01	VY022263.D	15 May 2025 14:29	SY/MD	Ok,M
13	Q1984-01	VY022264.D	15 May 2025 15:12	SY/MD	Ok
14	Q1984-03	VY022265.D	15 May 2025 15:35	SY/MD	Ok
15	Q1984-05	VY022266.D	15 May 2025 15:59	SY/MD	Ok
16	Q1984-07	VY022267.D	15 May 2025 16:22	SY/MD	ReRun
17	Q1984-09	VY022268.D	15 May 2025 16:46	SY/MD	Not Ok
18	Q1984-11	VY022269.D	15 May 2025 17:09	SY/MD	Not Ok
19	Q1984-13	VY022270.D	15 May 2025 17:33	SY/MD	Not Ok
20	Q1984-15	VY022271.D	15 May 2025 17:56	SY/MD	ReRun
21	Q1982-04	VY022272.D	15 May 2025 18:19	SY/MD	Ok

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 # VY051525

Review By	Mahesh Dadoda	Review On	5/16/2025 11:49:17 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/16/2025 11:51:38 AM				
SubDirectory	VY051525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133916
Initial Calibration Stds	VP133918,VP133919,VP133920,VP133921,VP133922,VP133923
CCC	VP133925
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133924
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1982-05	VY022273.D	15 May 2025 18:43	SY/MD	Ok
23	Q1982-06	VY022274.D	15 May 2025 19:06	SY/MD	Ok
24	VSTDCCC050	VY022275.D	15 May 2025 19:52	SY/MD	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051625

Review By	Amit Patel	Review On	5/19/2025 1:35:43 PM				
Supervise By	Mahesh Dadoda	Supervise On	5/19/2025 2:39:18 PM				
SubDirectory	VY051625	HP Acquire Method	MSVOA_Y		HP Processing Method	82y051525s.m	

STD. NAME	STD REF.#
Tune/Reschk	VP133936
Initial Calibration Stds	
CCC	VP133942,VP133943
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	VY022276.D	16 May 2025 07:54	SY/MD	Ok
2	VSTDCCC050	VY022277.D	16 May 2025 08:24	SY/MD	Ok,M
3	VY0516SBL01	VY022278.D	16 May 2025 09:37	SY/MD	Ok
4	VY0516SBS01	VY022279.D	16 May 2025 10:09	SY/MD	Ok,M
5	VY0516SBSD01	VY022280.D	16 May 2025 10:32	SY/MD	Ok,M
6	Q1984-07RE	VY022281.D	16 May 2025 11:17	SY/MD	Confirms
7	Q1984-09	VY022282.D	16 May 2025 11:41	SY/MD	Ok
8	Q1984-11	VY022283.D	16 May 2025 12:04	SY/MD	Ok
9	Q1984-13	VY022284.D	16 May 2025 12:29	SY/MD	Ok
10	Q1984-15RE	VY022285.D	16 May 2025 12:54	SY/MD	Not Ok
11	Q1982-01	VY022286.D	16 May 2025 13:17	SY/MD	Ok
12	Q1982-02	VY022287.D	16 May 2025 13:41	SY/MD	Ok
13	Q1982-03	VY022288.D	16 May 2025 14:04	SY/MD	Ok
14	Q1982-07	VY022289.D	16 May 2025 14:28	SY/MD	Ok
15	Q1982-08	VY022290.D	16 May 2025 14:51	SY/MD	Ok
16	Q2010-03	VY022291.D	16 May 2025 15:15	SY/MD	Ok
17	Q2010-04	VY022292.D	16 May 2025 15:38	SY/MD	Ok
18	Q2003-02	VY022293.D	16 May 2025 16:02	SY/MD	ReRun
19	Q2032-03	VY022294.D	16 May 2025 16:25	SY/MD	Ok
20	Q2032-04	VY022295.D	16 May 2025 16:48	SY/MD	Ok
21	Q2032-07	VY022296.D	16 May 2025 17:12	SY/MD	Ok

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 # VY051625

Review By	Amit Patel	Review On	5/19/2025 1:35:43 PM				
Supervise By	Mahesh Dadoda	Supervise On	5/19/2025 2:39:18 PM				
SubDirectory	VY051625	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133936
Initial Calibration Stds	
CCC	VP133942,VP133943
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2032-08	VY022297.D	16 May 2025 17:35	SY/MD	Ok
23	Q2032-02	VY022298.D	16 May 2025 17:59	SY/MD	Ok
24	Q2032-05MS	VY022299.D	16 May 2025 18:21	SY/MD	Not Ok
25	Q2032-06MSD	VY022300.D	16 May 2025 18:44	SY/MD	Not Ok
26	VSTDCCC050	VY022301.D	16 May 2025 19:29	SY/MD	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP
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 # VY051525

Review By	Mahesh Dadoda	Review On	5/16/2025 11:49:17 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/16/2025 11:51:38 AM		
SubDirectory	VY051525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133916
Initial Calibration Stds	VP133918,VP133919,VP133920,VP133921,VP133922,VP133923
CCC	VP133925
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133924
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022252.D	15 May 2025 07:52		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY022253.D	15 May 2025 09:46		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY022254.D	15 May 2025 10:16		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY022255.D	15 May 2025 10:39		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY022256.D	15 May 2025 11:02		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY022257.D	15 May 2025 11:24		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY022258.D	15 May 2025 11:47		SY/MD	Ok,M
8	VIBLK	VIBLK	VY022259.D	15 May 2025 12:34		SY/MD	Ok
9	VSTDICV050	ICVVY051525	VY022260.D	15 May 2025 13:20		SY/MD	Ok,M
10	VY0515SBL01	VY0515SBL01	VY022261.D	15 May 2025 13:44		SY/MD	Ok
11	VY0515SBS01	VY0515SBS01	VY022262.D	15 May 2025 14:07		SY/MD	Ok,M
12	VY0515SBSD01	VY0515SBSD01	VY022263.D	15 May 2025 14:29		SY/MD	Ok,M
13	Q1984-01	OU4-PCS-TC-33-05072	VY022264.D	15 May 2025 15:12	vial-A	SY/MD	Ok
14	Q1984-03	OU4-PCS-TC-34-05072	VY022265.D	15 May 2025 15:35	vial-A	SY/MD	Ok
15	Q1984-05	OU4-PCS-TC-35-05072	VY022266.D	15 May 2025 15:59	vial-A	SY/MD	Ok
16	Q1984-07	OU4-TS-24-050725	VY022267.D	15 May 2025 16:22	vial-A Surrogate fail	SY/MD	ReRun
17	Q1984-09	OU4-TS-25-050725	VY022268.D	15 May 2025 16:46	vial-A Surrogate fail	SY/MD	Not Ok
18	Q1984-11	OU4-TS-26-050725	VY022269.D	15 May 2025 17:09	vial-A Surrogate fail	SY/MD	Not Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051525

Review By	Mahesh Dadoda	Review On	5/16/2025 11:49:17 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/16/2025 11:51:38 AM		
SubDirectory	VY051525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133916
Initial Calibration Stds	VP133918,VP133919,VP133920,VP133921,VP133922,VP133923
CCC	VP133925
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133924
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1984-13	OU4-TS-27-050725	VY022270.D	15 May 2025 17:33	vial-A Surrogate fail	SY/MD	Not Ok
20	Q1984-15	OU4-TS-28-050725	VY022271.D	15 May 2025 17:56	vial-A Surrogate fail	SY/MD	ReRun
21	Q1982-04	TP-4	VY022272.D	15 May 2025 18:19	vial-A	SY/MD	Ok
22	Q1982-05	TP-5	VY022273.D	15 May 2025 18:43	vial-A	SY/MD	Ok
23	Q1982-06	TP-6	VY022274.D	15 May 2025 19:06	vial-A	SY/MD	Ok
24	VSTDCCC050	VSTDCCC050EC	VY022275.D	15 May 2025 19:52		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051625

Review By	Amit Patel	Review On	5/19/2025 1:35:43 PM		
Supervise By	Mahesh Dadoda	Supervise On	5/19/2025 2:39:18 PM		
SubDirectory	VY051625	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133936
Initial Calibration Stds	
CCC	VP133942,VP133943
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	VY022276.D	16 May 2025 07:54		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022277.D	16 May 2025 08:24		SY/MD	Ok,M
3	VY0516SBL01	VY0516SBL01	VY022278.D	16 May 2025 09:37		SY/MD	Ok
4	VY0516SBS01	VY0516SBS01	VY022279.D	16 May 2025 10:09		SY/MD	Ok,M
5	VY0516SBSD01	VY0516SBSD01	VY022280.D	16 May 2025 10:32		SY/MD	Ok,M
6	Q1984-07RE	OU4-TS-24-050725RE	VY022281.D	16 May 2025 11:17	vial-B Surrogate fail	SY/MD	Confirms
7	Q1984-09	OU4-TS-25-050725	VY022282.D	16 May 2025 11:41	vial-B	SY/MD	Ok
8	Q1984-11	OU4-TS-26-050725	VY022283.D	16 May 2025 12:04	vial-B	SY/MD	Ok
9	Q1984-13	OU4-TS-27-050725	VY022284.D	16 May 2025 12:29	vial-B	SY/MD	Ok
10	Q1984-15RE	OU4-TS-28-050725RE	VY022285.D	16 May 2025 12:54	vial-B Surrogate fail;Not match for com.#16	SY/MD	Not Ok
11	Q1982-01	TP-1	VY022286.D	16 May 2025 13:17	vial-B	SY/MD	Ok
12	Q1982-02	TP-2B	VY022287.D	16 May 2025 13:41	vial-B	SY/MD	Ok
13	Q1982-03	TP-3	VY022288.D	16 May 2025 14:04	Vial A	SY/MD	Ok
14	Q1982-07	TP-8	VY022289.D	16 May 2025 14:28	Vial A	SY/MD	Ok
15	Q1982-08	TP-9	VY022290.D	16 May 2025 14:51	Vial A	SY/MD	Ok
16	Q2010-03	TP-14	VY022291.D	16 May 2025 15:15	vial-B	SY/MD	Ok
17	Q2010-04	TP-17	VY022292.D	16 May 2025 15:38	vial-B	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051625

Review By	Amit Patel	Review On	5/19/2025 1:35:43 PM		
Supervise By	Mahesh Dadoda	Supervise On	5/19/2025 2:39:18 PM		
SubDirectory	VY051625	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133936
Initial Calibration Stds	
CCC	VP133942,VP133943
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2003-02	VOC	VY022293.D	16 May 2025 16:02	vial-A Internal standard fail	SY/MD	ReRun
19	Q2032-03	TP-29-99	VY022294.D	16 May 2025 16:25	vial-A	SY/MD	Ok
20	Q2032-04	TP-24	VY022295.D	16 May 2025 16:48	vial-A	SY/MD	Ok
21	Q2032-07	TP-37	VY022296.D	16 May 2025 17:12	vial-A	SY/MD	Ok
22	Q2032-08	TP-32	VY022297.D	16 May 2025 17:35	vial-A	SY/MD	Ok
23	Q2032-02	TP-29	VY022298.D	16 May 2025 17:59	vial-A	SY/MD	Ok
24	Q2032-05MS	TP-24MS	VY022299.D	16 May 2025 18:21	vial-A Internal standard fail;Recovery Fail	SY/MD	Not Ok
25	Q2032-06MSD	TP-24MSD	VY022300.D	16 May 2025 18:44	vial-A Internal standard fail;Surrogate fail	SY/MD	Not Ok
26	VSTDCCC050	VSTDCCC050EC	VY022301.D	16 May 2025 19:29		SY/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q1982	**OrderDate:**	5/7/2025 3:20:42 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
Q1982-01	**TP-1**	**SOIL**			**05/06/25**			**05/07/25**
			VOC-TCLVOA-10	8260D			05/16/25	
Q1982-02	**TP-2B**	**SOIL**			**05/06/25**			**05/07/25**
			VOC-TCLVOA-10	8260D			05/16/25	
Q1982-03	**TP-3**	**SOIL**			**05/06/25**			**05/07/25**
			VOC-TCLVOA-10	8260D			05/16/25	
Q1982-04	**TP-4**	**SOIL**			**05/07/25**			**05/07/25**
			VOC-TCLVOA-10	8260D			05/15/25	
Q1982-05	**TP-5**	**SOIL**			**05/07/25**			**05/07/25**
			VOC-TCLVOA-10	8260D			05/15/25	
Q1982-06	**TP-6**	**SOIL**			**05/07/25**			**05/07/25**
			VOC-TCLVOA-10	8260D			05/15/25	
Q1982-07	**TP-8**	**SOIL**			**05/07/25**			**05/07/25**
			VOC-TCLVOA-10	8260D			05/16/25	
Q1982-08	**TP-9**	**SOIL**			**05/07/25**			**05/07/25**
			VOC-TCLVOA-10	8260D			05/16/25	

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-1	SDG No.:	Q1982
Lab Sample ID:	Q1982-01	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	80.9 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
FB031721.D	1	05/13/25 18:12	FB051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	11.0	U	11.0	59.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	7.64	*	50 - 150	38%	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:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-2B	SDG No.:	Q1982
Lab Sample ID:	Q1982-02	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	85 Decanted:
Sample Wt/Vol:	4.77 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
FB031722.D	1	05/13/25 18:40	FB051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	10.0	U	10.0	55.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	6.27	*	50 - 150	31%	SPK: 20

Comments:

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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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-3	SDG No.:	Q1982
Lab Sample ID:	Q1982-03	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	90.7 Decanted:
Sample Wt/Vol:	4.35 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
FB031723.D	1	05/13/25 19:07	FB051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	13.0	J	10.0	57.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.2		50 - 150	91%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-4	SDG No.:	Q1982
Lab Sample ID:	Q1982-04	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	87.4 Decanted:
Sample Wt/Vol:	6.51 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
FB031710.D	1	05/13/25 11:54	FB051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	8.00	J	7.00	40.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.6		50 - 150	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
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-5	SDG No.:	Q1982
Lab Sample ID:	Q1982-05	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	89.9 Decanted:
Sample Wt/Vol:	5.65 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
FB031711.D	1	05/13/25 12:21	FB051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	8.00	U	8.00	44.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.8		50 - 150	84%	SPK: 20

Comments:

U = Not Detected
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
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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-6	SDG No.:	Q1982
Lab Sample ID:	Q1982-06	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	86.2 Decanted:
Sample Wt/Vol:	4.26 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
FB031724.D	1	05/13/25 19:35	FB051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	11.0	U	11.0	61.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	19.0		50 - 150	95%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-8	SDG No.:	Q1982
Lab Sample ID:	Q1982-07	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	83.7 Decanted:
Sample Wt/Vol:	5.46 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
FB031739.D	50	05/14/25 11:58	FB051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	596	J	452	2460	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.7		50 - 150	88%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
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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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-9	SDG No.:	Q1982
Lab Sample ID:	Q1982-08	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	81.3 Decanted:
Sample Wt/Vol:	5.8 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
FB031716.D	1	05/13/25 15:53	FB051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	9.00	U	9.00	48.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	12.2		50 - 150	61%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
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E = Value Exceeds Calibration Range
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QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: CDM Smith

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG No.: Q1982

EPA SAMPLE NO.	S1 AAA-TFT		S2	S3	S4	TOT OUT
VBF0513S1	109					0
BSF0513S1	84					0
TP-4	83					0
TP-5	84					0
BSF0513S2	105					0
TP-9	61					0
TP-1	38	*				1
TP-2B	31	*				1
TP-3	91					0
TP-6	95					0
VBF0514S2	104					0
BSF0514S1	119					0
TP-8	88					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:** Q1982 **SAS No :** Q1982 **SDG No:** Q1982

Matrix Spike - EPA Sample No : BSF0513S1 **Datafile:** FB031707.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	225	125	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:** Q1982 **SAS No :** Q1982 **SDG No:** Q1982

Matrix Spike - EPA Sample No : BSF0513S2 **Datafile:** FB031714.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	227	126	50-150

LCS/LCSD % Recovery RPD : 0.9

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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:** Q1982 **SAS No :** Q1982 **SDG No:** Q1982

Matrix Spike - EPA Sample No : BSF0514S1 **Datafile:** FB031738.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	184	102	50-150

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METHOD BLANK SUMMARY

EPA SAMPLE NO.
VBF0513S1

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

Lab File ID: FB031705.D Lab Sample ID: VBF0513S1

Date Analyzed: 05/13/25 Time Analyzed: 9:24

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
BSF0513S1	BSF0513S1	FB031707.D	05/13/25
TP-4	Q1982-04	FB031710.D	05/13/25
TP-5	Q1982-05	FB031711.D	05/13/25
BSF0513S2	BSF0513S2	FB031714.D	05/13/25
TP-9	Q1982-08	FB031716.D	05/13/25
TP-1	Q1982-01	FB031721.D	05/13/25
TP-2B	Q1982-02	FB031722.D	05/13/25
TP-3	Q1982-03	FB031723.D	05/13/25
TP-6	Q1982-06	FB031724.D	05/13/25

COMMENTS:

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0514S2

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

Lab File ID: FB031737.D Lab Sample ID: VBF0514S2

Date Analyzed: 05/14/25 Time Analyzed: 11:04

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
BSF0514S1	BSF0514S1	FB031738.D	05/14/25
TP-8	Q1982-07	FB031739.D	05/14/25

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:	VBF0513S1	SDG No.:	Q1982
Lab Sample ID:	VBF0513S1	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
FB031705.D	1	05/13/25 9:24	FB051325

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	21.9		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:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VBF0514S2	SDG No.:	Q1982
Lab Sample ID:	VBF0514S2	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
FB031737.D	50	05/14/25 11:04	FB051425

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	20.8		50 - 150	104%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0513S1	SDG No.:	Q1982
Lab Sample ID:	BSF0513S1	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
FB031707.D	1	05/13/25 10:19	FB051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	225		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.8		50 - 150	84%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0514S1	SDG No.:	Q1982
Lab Sample ID:	BSF0514S1	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
FB031738.D	1	05/14/25 11:31	FB051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	184		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	23.8		50 - 150	119%	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:	BSF0513S2	SDG No.:	Q1982
Lab Sample ID:	BSF0513S2	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
FB031714.D	1	05/13/25 13:54	FB051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	227		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	21.0		50 - 150	105%	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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GASOLINE RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG No.: Q1982

Calibration Sequence : FB042325		Test : Gasoline Range Organics	
Concentration (PPB)	**Area Count**	**Reference Factor**	**File ID**
45	1404536	31212	FB031638.D
90	2828773	31431	FB031639.D
180	5982574	33237	FB031640.D
450	16361923	36360	FB031641.D
900	31441842	34935	FB031642.D
AVG RF : 33435	**% RSD : 6.655**		**AVG RT : 8.7924**

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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.: Q1982 SAS No.: Q1982 SDG No.: Q1982

DataFile: FB031704.D Analyst Name: YP/AJ Analyst Date: 05-13-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5193284	28852	33435	13.707

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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.: Q1982 SAS No.: Q1982 SDG No.: Q1982

DataFile: FB031715.D Analyst Name: YP/AJ Analyst Date: 05-13-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6372573	35403	33435	5.886

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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.: Q1982 SAS No.: Q1982 SDG No.: Q1982

DataFile: FB031726.D Analyst Name: YP/AJ Analyst Date: 05-13-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5485479	30475	33435	8.853

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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.: Q1982 SAS No.: Q1982 SDG No.: Q1982

DataFile: FB031735.D Analyst Name: YP/AJ Analyst Date: 05-14-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5282127	29345	33435	12.233

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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.: Q1982 SAS No.: Q1982 SDG No.: Q1982

DataFile: FB031742.D Analyst Name: YP/AJ Analyst Date: 05-14-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6336001	35200	33435	5.279

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q1982

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 **8.7924**

EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
20 PPB GRO STD	20 PPB GRO STD	13 May 2025 8:44	FB031704.D	8.792	
VBF0513S1	VBF0513S1	13 May 2025 9:24	FB031705.D	8.793	
BSF0513S1	BSF0513S1	13 May 2025 10:19	FB031707.D	8.792	
TP-4	Q1982-04	13 May 2025 11:54	FB031710.D	8.793	
TP-5	Q1982-05	13 May 2025 12:21	FB031711.D	8.794	
BSF0513S2	BSF0513S2	13 May 2025 13:54	FB031714.D	8.794	
20 PPB GRO STD	20 PPB GRO STD	13 May 2025 14:22	FB031715.D	8.795	
TP-9	Q1982-08	13 May 2025 15:53	FB031716.D	8.794	
TP-1	Q1982-01	13 May 2025 18:12	FB031721.D	8.795	
TP-2B	Q1982-02	13 May 2025 18:40	FB031722.D	8.794	
TP-3	Q1982-03	13 May 2025 19:07	FB031723.D	8.795	
TP-6	Q1982-06	13 May 2025 19:35	FB031724.D	8.795	
20 PPB GRO STD	20 PPB GRO STD	13 May 2025 20:30	FB031726.D	8.795	
20 PPB GRO STD	20 PPB GRO STD	14 May 2025 9:26	FB031735.D	8.792	
VBF0514S2	VBF0514S2	14 May 2025 11:04	FB031737.D	8.795	
BSF0514S1	BSF0514S1	14 May 2025 11:31	FB031738.D	8.795	
TP-8	Q1982-07	14 May 2025 11:58	FB031739.D	8.794	
20 PPB GRO STD	20 PPB GRO STD	14 May 2025 13:20	FB031742.D	8.795	

 # Column used to flag RT values with an * values outside of QC limits

QC Limits	Lower Limit	Upper Limits
(± 0.10 minutes)	8.6924	8.8924

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031721.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 18:12
Operator : YP/AJ
Sample : Q1982-01
Misc : 4.75G/5.00 ML DI WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-1

Integration File: Calibration.e
Quant Time: May 14 07:22:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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	8.795	175117	7.636 ng/ml
	Target Compounds			

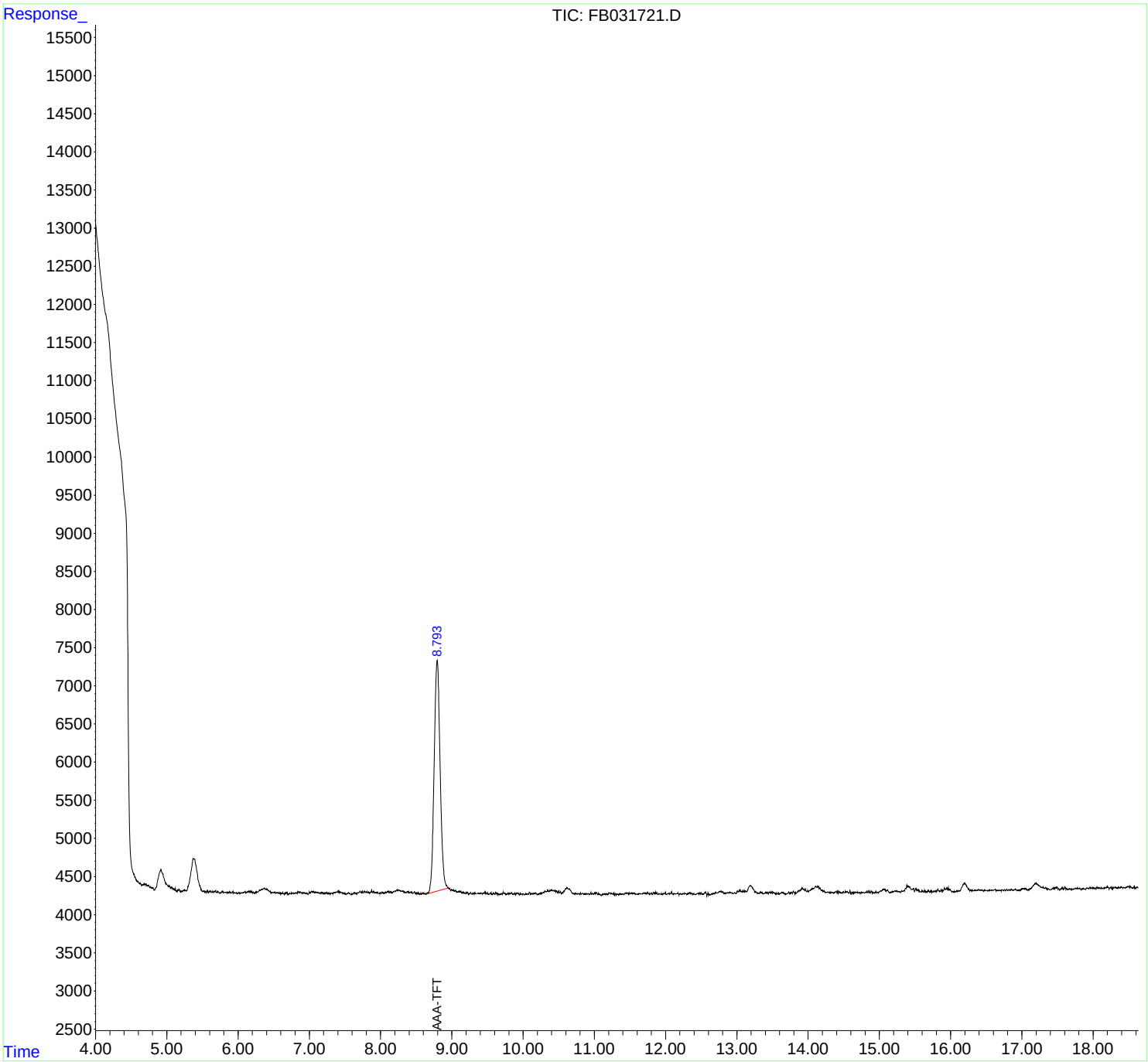
(f)=RT Delta > 1/2 Window (m)=manual int.

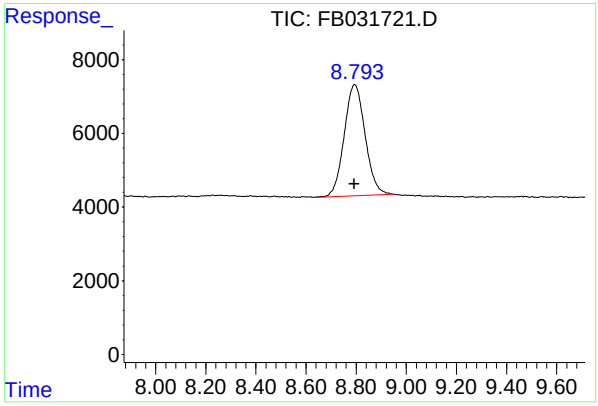
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031721.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 18:12
Operator : YP/AJ
Sample : Q1982-01
Misc : 4.75G/5.00 ML DI WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-1

Integration File: Calibration.e
Quant Time: May 14 07:22:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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.:	8.795 min
Delta R.T.:	0.003 mi
Response:	175117
Conc:	7.64 ng/m

Instrument :
FID_B
ClientSampleId :
TP-1

6
A
B
C
D
E
F
G
H
I

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031721.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 18:12
Sample : Q1982-01
Misc : 4.75G/5.00 ML DI WATER
ALS Vial : 15 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.685	4.621	4.729	BV	23	612	0.33%	0.158%
2	4.745	4.729	4.762	VV	29	348	0.19%	0.090%
3	4.772	4.762	4.788	VV	18	206	0.11%	0.053%
4	4.800	4.788	4.823	VV	22	282	0.15%	0.073%
5	5.037	5.024	5.107	VV	72	2283	1.22%	0.591%
6	5.121	5.107	5.146	VV	39	399	0.21%	0.103%
7	5.169	5.146	5.202	VV	29	453	0.24%	0.117%
8	5.214	5.202	5.225	PV	14	98	0.05%	0.025%
9	5.240	5.225	5.275	VV	29	588	0.32%	0.152%
10	5.522	5.507	5.550	VV	27	407	0.22%	0.105%
11	5.560	5.550	5.583	PV	21	295	0.16%	0.076%
12	5.595	5.583	5.609	VV	25	227	0.12%	0.059%
13	5.616	5.609	5.634	VV	26	265	0.14%	0.069%
14	5.643	5.634	5.666	VV	24	284	0.15%	0.074%
15	5.683	5.666	5.700	VV	32	411	0.22%	0.106%
16	5.713	5.700	5.742	VV	30	413	0.22%	0.107%
17	5.751	5.742	5.756	PV	9	50	0.03%	0.013%
18	5.789	5.756	5.798	VV	33	426	0.23%	0.110%
19	5.842	5.798	5.859	VV	20	501	0.27%	0.130%
20	5.866	5.859	5.872	VV	18	96	0.05%	0.025%
21	5.883	5.872	5.915	VV	28	391	0.21%	0.101%
22	5.927	5.915	5.938	VV	29	259	0.14%	0.067%
23	5.949	5.938	5.963	VV	19	194	0.10%	0.050%
24	5.975	5.963	5.996	VV	17	167	0.09%	0.043%
25	6.017	5.996	6.027	VV	21	214	0.11%	0.055%
26	6.097	6.027	6.113	PV	34	938	0.50%	0.243%
27	6.156	6.113	6.166	VV	42	916	0.49%	0.237%
28	6.176	6.166	6.205	VV	43	667	0.36%	0.173%
29	6.212	6.205	6.224	VV	29	233	0.12%	0.060%
30	6.244	6.224	6.252	VV	30	302	0.16%	0.078%
31	6.268	6.252	6.278	VV	32	396	0.21%	0.102%
32	6.367	6.278	6.405	VV	81	4577	2.45%	1.184%
33	6.412	6.405	6.472	VV	68	1694	0.91%	0.438%
34	6.482	6.472	6.503	VV	27	429	0.23%	0.111%
35	6.515	6.503	6.536	VV	32	459	0.25%	0.119%
36	6.548	6.536	6.566	VV	27	337	0.18%	0.087%

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37	6.573	6.566	6.616	VV	28	460	0.25%	0.119%
38	6.629	6.616	6.651	VV	25	249	0.13%	0.064%
39	6.660	6.651	6.668	PV	20	116	0.06%	0.030%
40	6.683	6.668	6.714	VV	28	382	0.20%	0.099%
41	6.726	6.714	6.756	VV	19	308	0.17%	0.080%
42	6.774	6.756	6.784	VV	24	265	0.14%	0.069%
43	6.858	6.784	6.866	VV	35	1110	0.59%	0.287%
44	6.879	6.866	6.902	VV	32	544	0.29%	0.141%
45	6.924	6.902	6.949	VV	29	593	0.32%	0.153%
46	6.968	6.949	6.983	VV	18	234	0.13%	0.061%
47	7.003	6.983	7.020	PV	31	390	0.21%	0.101%
48	7.033	7.020	7.052	VV	41	580	0.31%	0.150%
49	7.061	7.052	7.071	VV	37	304	0.16%	0.079%
50	7.087	7.071	7.103	VV	25	284	0.15%	0.073%
51	7.112	7.103	7.166	VB	16	201	0.11%	0.052%
52	7.188	7.167	7.199	BV	14	125	0.07%	0.032%
53	7.206	7.199	7.215	PV	14	72	0.04%	0.019%
54	7.224	7.215	7.231	PV	17	101	0.05%	0.026%
55	7.242	7.231	7.266	VV	24	322	0.17%	0.083%
56	7.274	7.266	7.295	VV	15	164	0.09%	0.042%
57	7.305	7.295	7.310	VV	17	114	0.06%	0.029%
58	7.315	7.310	7.326	VV	19	150	0.08%	0.039%
59	7.351	7.326	7.370	VV	29	568	0.30%	0.147%
60	7.379	7.370	7.388	VV	36	328	0.18%	0.085%
61	7.421	7.388	7.469	VV	45	1547	0.83%	0.400%
62	7.479	7.469	7.492	VV	25	261	0.14%	0.067%
63	7.503	7.492	7.514	VV	26	203	0.11%	0.052%
64	7.548	7.514	7.591	VV	30	759	0.41%	0.196%
65	7.600	7.591	7.608	PV	17	108	0.06%	0.028%
66	7.637	7.608	7.670	VV	34	828	0.44%	0.214%
67	7.712	7.670	7.730	VV	52	1184	0.63%	0.306%
68	7.748	7.730	7.758	VV	50	608	0.33%	0.157%
69	7.773	7.758	7.782	VV	51	600	0.32%	0.155%
70	7.790	7.782	7.825	VV	42	980	0.52%	0.253%
71	7.835	7.825	7.845	VV	44	401	0.22%	0.104%
72	7.875	7.845	7.890	VV	64	1032	0.55%	0.267%
73	7.903	7.890	7.920	VV	52	709	0.38%	0.184%
74	7.929	7.920	7.950	VV	38	606	0.32%	0.157%
75	7.958	7.950	7.976	VV	37	409	0.22%	0.106%
76	8.000	7.976	8.011	VV	31	509	0.27%	0.132%
77	8.032	8.011	8.048	VV	36	639	0.34%	0.165%
78	8.069	8.048	8.081	VV	43	630	0.34%	0.163%
79	8.095	8.081	8.123	VV	46	1016	0.54%	0.263%
80	8.133	8.123	8.172	VV	50	1057	0.57%	0.273%
81	8.229	8.172	8.240	VV	68	2146	1.15%	0.555%
82	8.265	8.240	8.295	VV	66	1966	1.05%	0.509%
83	8.314	8.295	8.353	VV	57	1537	0.82%	0.398%
84	8.380	8.353	8.390	VV	51	906	0.49%	0.234%
85	8.395	8.390	8.407	VV	44	365	0.20%	0.095%
86	8.440	8.407	8.451	VV	43	919	0.49%	0.238%
87	8.474	8.451	8.495	VV	43	825	0.44%	0.213%
88	8.532	8.495	8.544	VV	34	719	0.39%	0.186%
89	8.554	8.544	8.579	VV	23	345	0.18%	0.089%

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90	8.587	8.579	8.651	VV	26	868	0.46%	0.224%
91	8.795	8.651	8.988	VV	3076	186727	100.00%	48.299%
92	8.998	8.988	9.007	VV	79	825	0.44%	0.213%
93	9.013	9.007	9.037	VV	68	1134	0.61%	0.293%
94	9.054	9.037	9.085	VV	66	1470	0.79%	0.380%
95	9.098	9.085	9.110	VV	53	659	0.35%	0.171%
96	9.116	9.110	9.151	VV	54	1016	0.54%	0.263%
97	9.159	9.151	9.178	VV	45	560	0.30%	0.145%
98	9.205	9.178	9.237	VV	37	993	0.53%	0.257%
99	9.265	9.237	9.283	VV	34	609	0.33%	0.158%
100	9.302	9.283	9.315	VV	27	424	0.23%	0.110%
101	9.326	9.315	9.341	VV	38	374	0.20%	0.097%
102	9.377	9.341	9.394	VV	28	767	0.41%	0.198%
103	9.405	9.394	9.428	VV	25	501	0.27%	0.130%
104	9.460	9.428	9.493	VV	44	1161	0.62%	0.300%
105	9.503	9.493	9.523	VV	33	367	0.20%	0.095%
106	9.542	9.523	9.572	VV	31	603	0.32%	0.156%
107	9.585	9.572	9.605	VV	27	410	0.22%	0.106%
108	9.617	9.605	9.629	VV	37	385	0.21%	0.099%
109	9.637	9.629	9.664	VV	31	404	0.22%	0.104%
110	9.676	9.664	9.708	VV	16	416	0.22%	0.108%
111	9.725	9.708	9.739	VV	42	518	0.28%	0.134%
112	9.748	9.739	9.779	VV	31	427	0.23%	0.111%
113	9.813	9.779	9.820	VV	31	550	0.29%	0.142%
114	9.838	9.820	9.858	VV	35	571	0.31%	0.148%
115	9.870	9.858	9.878	VV	26	228	0.12%	0.059%
116	9.886	9.878	9.895	VV	29	203	0.11%	0.053%
117	9.921	9.895	9.948	VV	34	696	0.37%	0.180%
118	9.960	9.948	9.973	VV	27	256	0.14%	0.066%
119	9.986	9.973	9.995	VV	18	210	0.11%	0.054%
120	10.006	9.995	10.018	VV	24	237	0.13%	0.061%
121	10.038	10.018	10.053	VV	26	320	0.17%	0.083%
122	10.062	10.053	10.078	VV	22	259	0.14%	0.067%
123	10.090	10.078	10.119	VV	41	632	0.34%	0.163%
124	10.130	10.119	10.145	VV	25	327	0.18%	0.085%
125	10.155	10.145	10.164	VV	32	291	0.16%	0.075%
126	10.179	10.164	10.199	VV	35	496	0.27%	0.128%
127	10.213	10.199	10.223	VV	24	233	0.12%	0.060%
128	10.307	10.223	10.331	VV	60	2405	1.29%	0.622%
129	10.346	10.331	10.358	VV	72	922	0.49%	0.239%
130	10.373	10.358	10.382	VV	63	826	0.44%	0.214%
131	10.400	10.382	10.466	VV	70	3150	1.69%	0.815%
132	10.474	10.466	10.488	VV	61	688	0.37%	0.178%
133	10.502	10.488	10.514	VV	65	704	0.38%	0.182%
134	10.524	10.514	10.543	VV	51	643	0.34%	0.166%
135	10.617	10.543	10.722	VV	108	6536	3.50%	1.691%
136	10.742	10.722	10.757	VV	26	500	0.27%	0.129%
137	10.782	10.757	10.797	VV	27	522	0.28%	0.135%
138	10.808	10.797	10.816	VV	34	255	0.14%	0.066%
139	10.834	10.816	10.850	VV	32	502	0.27%	0.130%
140	10.891	10.850	10.929	VV	27	1010	0.54%	0.261%
141	10.951	10.929	10.961	VV	37	449	0.24%	0.116%

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142	10.972	10.961	10.981	VV	30	277	0.15%	0.072%
143	11.009	10.981	11.019	VV	43	621	0.33%	0.161%
144	11.029	11.019	11.065	VV	43	771	0.41%	0.199%
145	11.072	11.065	11.103	VV	23	271	0.15%	0.070%
146	11.169	11.103	11.189	PV	26	893	0.48%	0.231%
147	11.221	11.189	11.262	VV	35	1159	0.62%	0.300%
148	11.271	11.262	11.283	VV	26	256	0.14%	0.066%
149	11.295	11.283	11.306	VV	32	242	0.13%	0.063%
150	11.315	11.306	11.324	VV	24	181	0.10%	0.047%
151	11.331	11.324	11.340	VV	20	151	0.08%	0.039%
152	11.354	11.340	11.377	VV	26	397	0.21%	0.103%
153	11.406	11.377	11.417	VV	25	470	0.25%	0.121%
154	11.433	11.417	11.445	VV	39	473	0.25%	0.122%
155	11.460	11.445	11.482	VV	37	661	0.35%	0.171%
156	11.487	11.482	11.503	VV	40	374	0.20%	0.097%
157	11.519	11.503	11.548	VV	36	821	0.44%	0.212%
158	11.555	11.548	11.603	VV	34	808	0.43%	0.209%
159	11.632	11.603	11.651	VV	30	658	0.35%	0.170%
160	11.698	11.651	11.708	VV	35	938	0.50%	0.243%
161	11.714	11.708	11.733	VV	34	443	0.24%	0.115%
162	11.747	11.733	11.787	VV	47	875	0.47%	0.226%
163	11.802	11.787	11.818	VV	39	514	0.28%	0.133%
164	11.832	11.818	11.841	VV	43	441	0.24%	0.114%
165	11.850	11.841	11.866	VV	42	471	0.25%	0.122%
166	11.878	11.866	11.895	VV	38	465	0.25%	0.120%
167	11.907	11.895	11.920	VV	31	336	0.18%	0.087%
168	11.939	11.920	11.955	VV	29	432	0.23%	0.112%
169	11.968	11.955	11.977	VV	31	310	0.17%	0.080%
170	11.996	11.977	12.013	VV	41	582	0.31%	0.150%
171	12.050	12.013	12.063	VV	32	746	0.40%	0.193%
172	12.083	12.063	12.110	VV	46	834	0.45%	0.216%
173	12.119	12.110	12.146	VV	33	537	0.29%	0.139%
174	12.174	12.146	12.191	VV	38	702	0.38%	0.182%
175	12.205	12.191	12.217	VV	34	373	0.20%	0.097%
176	12.228	12.217	12.235	VV	26	229	0.12%	0.059%
177	12.247	12.235	12.256	VV	30	335	0.18%	0.087%
178	12.271	12.256	12.299	VV	32	660	0.35%	0.171%
179	12.341	12.299	12.353	VV	45	954	0.51%	0.247%
180	12.362	12.353	12.387	VV	37	574	0.31%	0.148%
181	12.399	12.387	12.415	VV	28	355	0.19%	0.092%
182	12.461	12.415	12.470	VV	40	809	0.43%	0.209%
183	12.478	12.470	12.486	VV	39	277	0.15%	0.072%
184	12.498	12.486	12.517	VV	44	592	0.32%	0.153%
185	12.562	12.517	12.579	VV	52	1082	0.58%	0.280%
186	12.597	12.579	12.606	PV	41	371	0.20%	0.096%
187	12.614	12.606	12.633	VV	21	226	0.12%	0.059%
188	12.673	12.633	12.686	VV	35	768	0.41%	0.199%
189	12.705	12.686	12.718	VV	45	668	0.36%	0.173%
190	12.781	12.718	12.795	VV	59	2184	1.17%	0.565%
191	12.803	12.795	12.853	VV	46	1189	0.64%	0.307%
192	12.874	12.853	12.888	VV	42	747	0.40%	0.193%
193	12.902	12.888	12.920	VV	45	710	0.38%	0.184%
194	12.928	12.920	12.944	VV	39	477	0.26%	0.123%

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195	12.969	12.944	12.984	VV	40	725	0.39%	0.188%
196	13.015	12.984	13.023	VV	56	1002	0.54%	0.259%
197	13.048	13.023	13.071	VV	72	1633	0.87%	0.422%
198	13.079	13.071	13.088	VV	58	512	0.27%	0.132%
199	13.096	13.088	13.109	VV	59	617	0.33%	0.160%
200	13.123	13.109	13.140	VV	55	967	0.52%	0.250%
201	13.191	13.140	13.288	VV	131	7162	3.84%	1.853%
202	13.296	13.288	13.312	VV	32	385	0.21%	0.100%
203	13.325	13.312	13.332	VV	41	368	0.20%	0.095%
204	13.340	13.332	13.374	VV	38	726	0.39%	0.188%
205	13.429	13.374	13.443	VV	40	1212	0.65%	0.314%
206	13.454	13.443	13.477	VV	44	628	0.34%	0.162%
207	13.483	13.477	13.547	VV	46	1228	0.66%	0.318%
208	13.553	13.547	13.576	VV	21	314	0.17%	0.081%
209	13.585	13.576	13.595	VV	32	211	0.11%	0.055%
210	13.636	13.595	13.647	VV	38	762	0.41%	0.197%
211	13.652	13.647	13.681	VV	36	445	0.24%	0.115%
212	13.689	13.681	13.696	VV	17	114	0.06%	0.030%
213	13.728	13.696	13.742	VV	42	621	0.33%	0.161%
214	13.748	13.742	13.761	VV	30	274	0.15%	0.071%
215	13.770	13.761	13.781	VV	36	358	0.19%	0.093%
216	13.795	13.781	13.829	VV	49	848	0.45%	0.219%
217	13.857	13.829	13.863	VV	47	640	0.34%	0.165%
218	13.874	13.863	13.883	VV	60	643	0.34%	0.166%
219	13.924	13.883	13.954	VV	86	2961	1.59%	0.766%
220	13.963	13.954	13.981	VV	75	928	0.50%	0.240%
221	13.997	13.981	14.012	VV	51	785	0.42%	0.203%
222	14.060	14.012	14.070	VV	87	2289	1.23%	0.592%
223	14.109	14.070	14.137	VV	112	3768	2.02%	0.975%
224	14.144	14.137	14.157	VV	103	1183	0.63%	0.306%
225	14.164	14.157	14.188	VV	85	1364	0.73%	0.353%
226	14.197	14.188	14.241	VV	64	1453	0.78%	0.376%
227	14.279	14.241	14.333	VV	37	1492	0.80%	0.386%
228	14.343	14.333	14.359	VV	30	363	0.19%	0.094%
229	14.390	14.359	14.412	VV	40	904	0.48%	0.234%
230	14.417	14.412	14.426	VV	46	253	0.14%	0.065%
231	14.439	14.426	14.451	VV	37	405	0.22%	0.105%
232	14.458	14.451	14.466	VV	28	203	0.11%	0.053%
233	14.477	14.466	14.485	VV	24	235	0.13%	0.061%
234	14.495	14.485	14.507	VV	36	354	0.19%	0.091%
235	14.526	14.507	14.573	VV	39	1090	0.58%	0.282%
236	14.590	14.573	14.605	VV	49	433	0.23%	0.112%
237	14.621	14.605	14.631	PV	28	301	0.16%	0.078%
238	14.641	14.631	14.655	VV	20	232	0.12%	0.060%
239	14.691	14.655	14.711	VV	27	667	0.36%	0.173%
240	14.723	14.711	14.733	VV	22	230	0.12%	0.060%
241	14.772	14.733	14.790	VV	24	608	0.33%	0.157%
242	14.828	14.790	14.835	VV	29	548	0.29%	0.142%
243	14.846	14.835	14.858	VV	38	336	0.18%	0.087%
244	14.868	14.858	14.877	VV	39	259	0.14%	0.067%
245	14.891	14.877	14.906	VV	37	391	0.21%	0.101%
246	14.914	14.906	14.929	VV	22	190	0.10%	0.049%

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247	14.952	14.929	14.964	VV	33	337	0.18%	0.087%
248	14.975	14.964	14.988	VV	23	226	0.12%	0.058%
249	15.057	14.988	15.093	VV	61	2505	1.34%	0.648%
250	15.104	15.093	15.147	VV	44	916	0.49%	0.237%
251	15.215	15.147	15.237	VV	33	1154	0.62%	0.299%
252	15.244	15.237	15.275	VV	29	546	0.29%	0.141%
253	15.284	15.275	15.298	VV	22	251	0.13%	0.065%
254	15.315	15.298	15.325	VV	31	385	0.21%	0.100%
255	15.386	15.325	15.451	VV	99	4641	2.49%	1.200%
256	15.481	15.451	15.496	VV	60	1300	0.70%	0.336%
257	15.514	15.496	15.525	VV	63	747	0.40%	0.193%
258	15.534	15.525	15.576	VV	46	832	0.45%	0.215%
259	15.606	15.576	15.624	VV	28	461	0.25%	0.119%
260	15.636	15.624	15.672	VV	30	381	0.20%	0.099%
261	15.693	15.672	15.705	VV	28	348	0.19%	0.090%
262	15.728	15.705	15.753	VV	29	430	0.23%	0.111%
263	15.766	15.753	15.775	VV	19	160	0.09%	0.041%
264	15.795	15.775	15.807	VV	26	328	0.18%	0.085%
265	15.823	15.807	15.853	VV	41	640	0.34%	0.166%
266	15.868	15.853	15.880	VV	31	332	0.18%	0.086%
267	15.892	15.880	15.902	VV	30	269	0.14%	0.070%
268	15.916	15.902	15.932	VV	55	709	0.38%	0.183%
269	15.947	15.932	15.960	VV	59	740	0.40%	0.191%
270	15.968	15.960	15.979	VV	54	429	0.23%	0.111%
271	15.987	15.979	16.021	VV	37	574	0.31%	0.149%
272	16.030	16.021	16.050	PV	10	86	0.05%	0.022%
273	16.057	16.050	16.072	VV	10	71	0.04%	0.018%
274	16.086	16.072	16.104	VV	21	185	0.10%	0.048%
275	16.114	16.104	16.122	VV	18	127	0.07%	0.033%
276	16.202	16.122	16.269	VV	113	5466	2.93%	1.414%
277	16.276	16.269	16.327	VV	24	509	0.27%	0.132%
278	16.335	16.327	16.355	VV	20	247	0.13%	0.064%
279	16.369	16.355	16.380	VV	18	216	0.12%	0.056%
280	16.393	16.380	16.406	VV	26	308	0.16%	0.080%
281	16.418	16.406	16.463	VV	23	511	0.27%	0.132%
282	16.473	16.463	16.533	VV	18	458	0.25%	0.119%
283	16.540	16.533	16.555	VV	20	158	0.08%	0.041%
284	16.580	16.555	16.594	VV	16	268	0.14%	0.069%
285	16.627	16.594	16.642	VV	18	401	0.21%	0.104%
286	16.658	16.642	16.672	VV	12	143	0.08%	0.037%
287	16.685	16.672	16.708	VV	12	145	0.08%	0.037%
288	16.723	16.708	16.747	VV	15	217	0.12%	0.056%
289	16.757	16.747	16.770	VV	17	126	0.07%	0.033%
290	16.786	16.770	16.801	PBA	15	170	0.09%	0.044%

Sum of corrected areas: 386604

FB042325.M Wed May 14 09:09:48 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031722.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 18:40
Operator : YP/AJ
Sample : Q1982-02
Misc : 4.77G/5.00 ML DI WATER
ALS Vial : 16 Sample Multiplier: 1

Integration File: Calibration.e
Quant Time: May 14 07:22:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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-2B

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/15/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s AAA-TFT	8.794	143776	6.269 ng/mlm
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031722.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 18:40
Operator : YP/AJ
Sample : Q1982-02
Misc : 4.77G/5.00 ML DI WATER
ALS Vial : 16 Sample Multiplier: 1

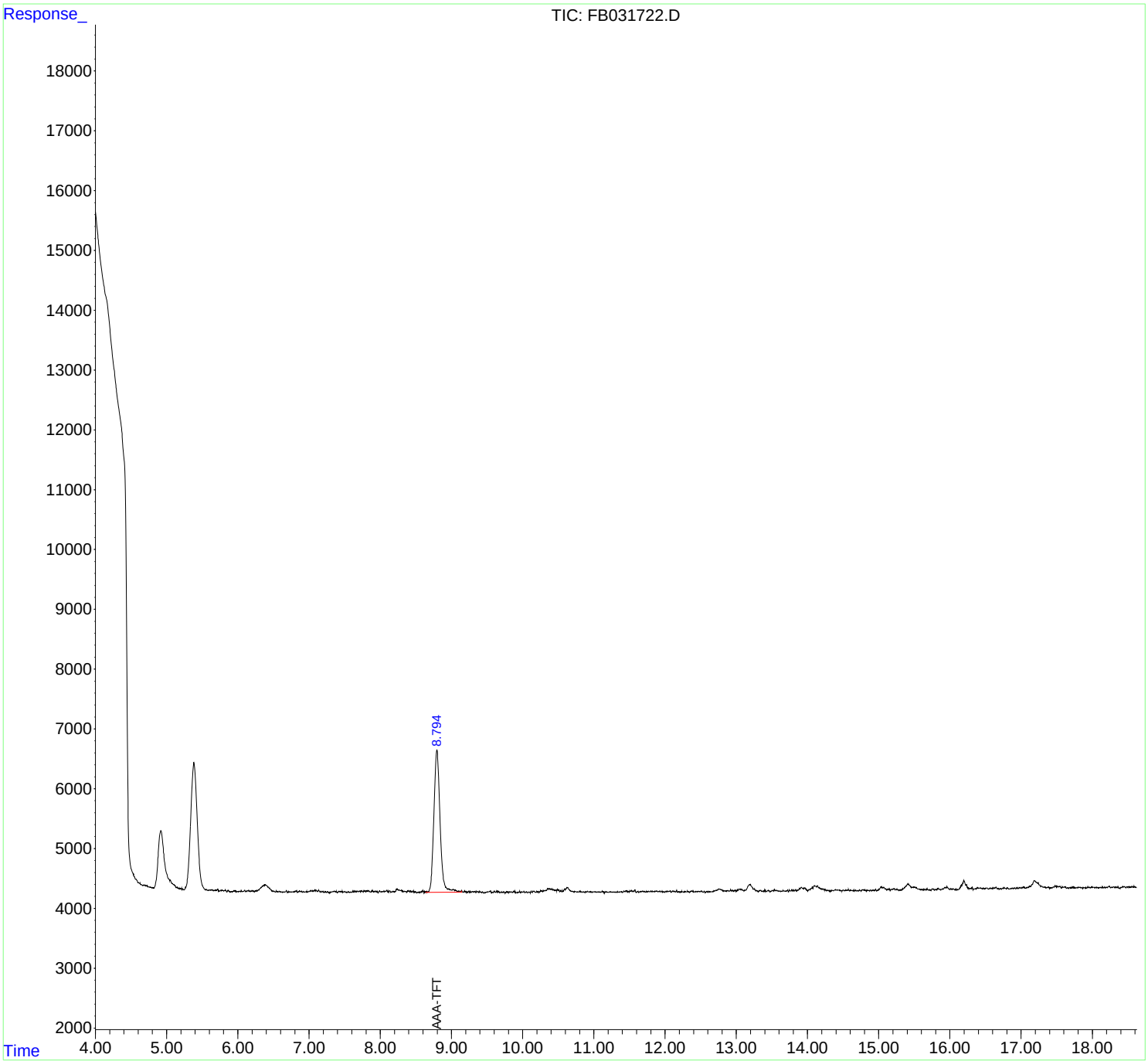
Integration File: Calibration.e
Quant Time: May 14 07:22:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

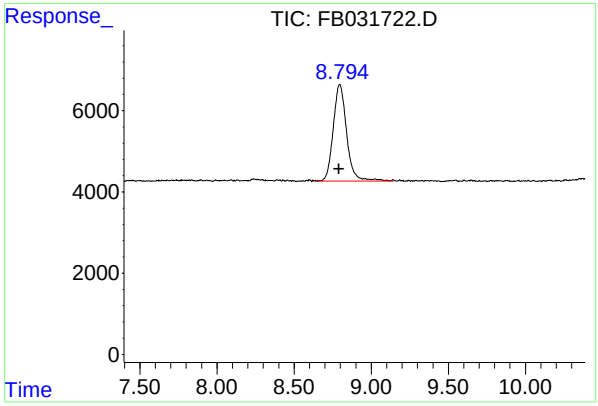
Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Instrument :
FID_B
ClientSampleId :
TP-2B

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/15/2025





#5 AAA-TFT

R.T.:	8.794 min
Delta R.T.:	0.002 mir
Response:	143776
Conc:	6.27 ng/m

Instrument :
FID_B
ClientSampleId :
TP-2B

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/15/2025

Instrument :
FID_B
ClientSampleId :
TP-2B

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/15/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB05132
Data File : FB031722.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 18:40
Sample : Q1982-02
Misc : 4.77G/5.00 ML DI WATER
ALS Vial : 16 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	5.144	5.136	5.151	VV	37	275	0.19%	0.087%
2	5.155	5.151	5.219	VV	38	773	0.54%	0.244%
3	5.228	5.219	5.246	VV	18	97	0.07%	0.031%
4	5.638	5.598	5.673	VV	28	884	0.62%	0.279%
5	5.720	5.673	5.740	VV	40	958	0.67%	0.303%
6	5.783	5.740	5.803	VV	32	839	0.59%	0.265%
7	5.824	5.803	5.846	VV	38	610	0.43%	0.193%
8	5.869	5.846	5.896	PV	33	509	0.36%	0.161%
9	5.949	5.896	5.992	PV	31	870	0.61%	0.275%
10	6.001	5.992	6.021	VV	16	232	0.16%	0.073%
11	6.027	6.021	6.038	VV	20	171	0.12%	0.054%
12	6.049	6.038	6.070	VV	37	399	0.28%	0.126%
13	6.096	6.070	6.109	VV	36	497	0.35%	0.157%
14	6.118	6.109	6.125	VV	24	181	0.13%	0.057%
15	6.148	6.125	6.168	VV	33	632	0.44%	0.200%
16	6.175	6.168	6.185	VV	28	214	0.15%	0.068%
17	6.211	6.185	6.224	VV	31	556	0.39%	0.176%
18	6.375	6.224	6.481	VV	134	10971	7.73%	3.468%
19	6.488	6.481	6.529	VV	29	594	0.42%	0.188%
20	6.539	6.529	6.569	VV	29	403	0.28%	0.127%
21	6.584	6.569	6.597	VV	23	264	0.19%	0.084%
22	6.604	6.597	6.627	VV	16	179	0.13%	0.056%
23	6.637	6.627	6.665	VV	13	204	0.14%	0.064%
24	6.683	6.665	6.706	VV	36	397	0.28%	0.125%
25	6.714	6.706	6.720	PV	16	75	0.05%	0.024%
26	6.727	6.720	6.787	VV	15	501	0.35%	0.158%
27	6.812	6.787	6.820	VV	30	404	0.28%	0.128%
28	6.827	6.820	6.845	VV	33	271	0.19%	0.086%
29	6.866	6.845	6.886	VV	33	509	0.36%	0.161%
30	6.896	6.886	6.911	VV	26	266	0.19%	0.084%
31	6.920	6.911	6.929	VV	22	165	0.12%	0.052%
32	6.967	6.929	6.978	VV	21	417	0.29%	0.132%
33	7.029	6.978	7.064	VV	37	1353	0.95%	0.428%
34	7.089	7.064	7.117	VV	47	1154	0.81%	0.365%
35	7.138	7.117	7.159	VV	41	720	0.51%	0.228%
36	7.169	7.159	7.179	VV	31	243	0.17%	0.077%

Instrument :
FID_B
ClientSampleId :
TP-2B

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/15/2025

					rteres			
37	7.195	7.179	7.216	VV	26	364	0.26%	0.115%
38	7.229	7.216	7.243	VV	24	240	0	
39	7.260	7.243	7.286	VV	25	327	0	
40	7.308	7.286	7.315	PV	18	203	0	
41	7.328	7.315	7.345	VV	22	323	0	
42	7.354	7.345	7.400	VV	28	663	0	
43	7.421	7.400	7.443	VV	28	463	0.33%	0.146%
44	7.449	7.443	7.489	VV	29	501	0.35%	0.158%
45	7.504	7.489	7.536	VV	21	395	0.28%	0.125%
46	7.557	7.536	7.573	VV	19	293	0.21%	0.093%
47	7.612	7.573	7.634	VV	32	565	0.40%	0.179%
48	7.644	7.634	7.654	VV	35	293	0.21%	0.092%
49	7.677	7.654	7.693	VV	34	589	0.41%	0.186%
50	7.707	7.693	7.722	VV	33	453	0.32%	0.143%
51	7.741	7.722	7.753	VV	37	519	0.37%	0.164%
52	7.772	7.753	7.830	VV	37	1319	0.93%	0.417%
53	7.838	7.830	7.866	VV	43	592	0.42%	0.187%
54	7.897	7.866	7.920	VV	42	813	0.57%	0.257%
55	7.934	7.920	7.973	VV	36	690	0.49%	0.218%
56	7.993	7.973	8.016	VV	37	578	0.41%	0.183%
57	8.025	8.016	8.034	VV	28	253	0.18%	0.080%
58	8.047	8.034	8.063	VV	31	425	0.30%	0.134%
59	8.094	8.063	8.118	VV	46	910	0.64%	0.288%
60	8.131	8.118	8.163	VV	38	666	0.47%	0.210%
61	8.237	8.163	8.285	VV	66	2840	2.00%	0.898%
62	8.295	8.285	8.328	VV	53	874	0.62%	0.276%
63	8.357	8.328	8.369	VV	30	626	0.44%	0.198%
64	8.389	8.369	8.399	VV	42	549	0.39%	0.173%
65	8.408	8.399	8.419	VV	37	338	0.24%	0.107%
66	8.430	8.419	8.445	VV	39	391	0.28%	0.124%
67	8.456	8.445	8.468	VV	37	344	0.24%	0.109%
68	8.475	8.468	8.483	VV	29	171	0.12%	0.054%
69	8.492	8.483	8.514	VV	28	280	0.20%	0.089%
70	8.525	8.514	8.551	PV	16	238	0.17%	0.075%
71	8.559	8.551	8.567	VV	20	143	0.10%	0.045%
72	8.583	8.567	8.590	VV	33	329	0.23%	0.104%
73	8.598	8.590	8.616	VV	46	435	0.31%	0.137%
74	8.623	8.616	8.666	PV	30	589	0.41%	0.186%
75	8.796	8.666	8.944	VV	2393	141973	100.00%	44.880%
76	8.952	8.944	8.979	VV	71	1374	0.97%	0.434%
77	8.986	8.979	9.004	VV	62	824	0.58%	0.260%
78	9.024	9.004	9.046	VV	65	1320	0.93%	0.417%
79	9.059	9.046	9.086	VV	50	1002	0.71%	0.317%
80	9.107	9.086	9.127	VV	37	654	0.46%	0.207%
81	9.144	9.127	9.164	VV	40	615	0.43%	0.194%
82	9.186	9.164	9.194	VV	39	394	0.28%	0.125%
83	9.200	9.194	9.214	VV	29	242	0.17%	0.076%
84	9.245	9.214	9.256	VV	29	452	0.32%	0.143%
85	9.296	9.256	9.306	VV	29	572	0.40%	0.181%
86	9.330	9.306	9.342	VV	27	417	0.29%	0.132%
87	9.351	9.342	9.358	VV	28	185	0.13%	0.058%
88	9.366	9.358	9.380	VV	25	259	0.18%	0.082%
89	9.398	9.380	9.427	VV	28	485	0.34%	0.153%

Instrument :
FID_B
ClientSampleId :
TP-2B

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/15/2025

rteres

90	9.438	9.427	9.453	VV	22	158	0.11%	0.050%
91	9.549	9.453	9.560	PV	39	1025		
92	9.602	9.560	9.621	VV	36	596		
93	9.650	9.621	9.660	VV	38	561		
94	9.668	9.660	9.691	VV	29	262		
95	9.701	9.691	9.725	VV	21	236		
96	9.734	9.725	9.764	VV	19	254	0.18%	0.080%
97	9.775	9.764	9.789	VV	27	249	0.18%	0.079%
98	9.818	9.789	9.856	VV	22	640	0.45%	0.202%
99	9.883	9.856	9.901	VV	29	465	0.33%	0.147%
100	9.906	9.901	9.926	VV	14	120	0.08%	0.038%
101	9.935	9.926	9.939	VV	11	66	0.05%	0.021%
102	9.958	9.939	10.005	VV	32	589	0.42%	0.186%
103	10.019	10.005	10.033	VV	31	276	0.19%	0.087%
104	10.051	10.033	10.067	VV	25	301	0.21%	0.095%
105	10.088	10.067	10.107	VV	17	243	0.17%	0.077%
106	10.117	10.107	10.134	VV	29	258	0.18%	0.082%
107	10.164	10.134	10.179	VV	31	611	0.43%	0.193%
108	10.199	10.179	10.231	VV	30	538	0.38%	0.170%
109	10.260	10.231	10.281	VV	41	802	0.56%	0.253%
110	10.311	10.281	10.321	VV	43	843	0.59%	0.267%
111	10.329	10.321	10.336	VV	48	389	0.27%	0.123%
112	10.372	10.336	10.380	VV	77	1731	1.22%	0.547%
113	10.386	10.380	10.395	VV	71	562	0.40%	0.178%
114	10.414	10.395	10.427	VV	73	1126	0.79%	0.356%
115	10.432	10.427	10.461	VV	57	976	0.69%	0.308%
116	10.493	10.461	10.524	VV	57	1679	1.18%	0.531%
117	10.539	10.524	10.552	VV	43	513	0.36%	0.162%
118	10.564	10.552	10.574	VV	36	372	0.26%	0.118%
119	10.592	10.574	10.600	VV	73	861	0.61%	0.272%
120	10.632	10.600	10.716	VV	93	3632	2.56%	1.148%
121	10.741	10.716	10.764	VV	27	591	0.42%	0.187%
122	10.769	10.764	10.784	VV	21	204	0.14%	0.064%
123	10.800	10.784	10.811	VV	35	348	0.25%	0.110%
124	10.819	10.811	10.837	VV	24	264	0.19%	0.083%
125	10.852	10.837	10.875	VV	18	326	0.23%	0.103%
126	10.891	10.875	10.901	VV	21	243	0.17%	0.077%
127	10.913	10.901	10.971	VV	27	773	0.54%	0.244%
128	11.009	10.971	11.039	VV	20	634	0.45%	0.200%
129	11.047	11.039	11.068	VV	20	292	0.21%	0.092%
130	11.074	11.068	11.100	VV	17	283	0.20%	0.089%
131	11.117	11.100	11.125	VV	31	291	0.21%	0.092%
132	11.133	11.125	11.148	VV	26	176	0.12%	0.056%
133	11.180	11.148	11.202	PV	20	404	0.28%	0.128%
134	11.227	11.202	11.237	VV	19	302	0.21%	0.096%
135	11.242	11.237	11.256	VV	20	171	0.12%	0.054%
136	11.282	11.256	11.294	VV	15	291	0.21%	0.092%
137	11.331	11.294	11.339	VV	23	330	0.23%	0.104%
138	11.386	11.339	11.410	VV	21	631	0.44%	0.199%
139	11.424	11.410	11.437	VV	31	364	0.26%	0.115%
140	11.451	11.437	11.506	VV	36	1068	0.75%	0.338%
141	11.527	11.506	11.537	VV	45	584	0.41%	0.185%

Instrument :
FID_B
ClientSampleId :
TP-2B

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/15/2025

					rteres			
142	11.545	11.537	11.564	VV	33	435	0.31%	0.138%
143	11.577	11.564	11.599	VV	48	556		
144	11.619	11.599	11.635	VV	28	329		
145	11.652	11.635	11.665	VV	23	322		
146	11.684	11.665	11.693	VV	32	398		
147	11.701	11.693	11.735	VV	27	446		
148	11.769	11.735	11.786	VV	28	604	0.43%	0.191%
149	11.799	11.786	11.830	VV	28	601	0.42%	0.190%
150	11.872	11.830	11.880	VV	32	682	0.48%	0.216%
151	11.886	11.880	11.902	VV	30	284	0.20%	0.090%
152	11.926	11.902	11.936	VV	29	423	0.30%	0.134%
153	11.958	11.936	11.966	VV	28	313	0.22%	0.099%
154	12.014	11.966	12.022	VV	23	491	0.35%	0.155%
155	12.034	12.022	12.048	VV	27	325	0.23%	0.103%
156	12.072	12.048	12.093	VV	29	537	0.38%	0.170%
157	12.107	12.093	12.149	VV	30	699	0.49%	0.221%
158	12.164	12.149	12.175	VV	37	304	0.21%	0.096%
159	12.190	12.175	12.211	VV	21	276	0.19%	0.087%
160	12.231	12.211	12.236	VV	17	182	0.13%	0.058%
161	12.245	12.236	12.264	VV	18	202	0.14%	0.064%
162	12.270	12.264	12.275	VV	19	90	0.06%	0.029%
163	12.287	12.275	12.302	VV	21	256	0.18%	0.081%
164	12.315	12.302	12.349	VV	27	419	0.30%	0.133%
165	12.376	12.349	12.389	VV	28	487	0.34%	0.154%
166	12.397	12.389	12.407	VV	27	171	0.12%	0.054%
167	12.439	12.407	12.460	VV	21	465	0.33%	0.147%
168	12.468	12.460	12.488	VV	24	311	0.22%	0.098%
169	12.514	12.488	12.535	VV	27	503	0.35%	0.159%
170	12.549	12.535	12.563	VV	23	201	0.14%	0.064%
171	12.590	12.563	12.606	PV	16	260	0.18%	0.082%
172	12.612	12.606	12.630	VV	22	183	0.13%	0.058%
173	12.646	12.630	12.657	VV	14	208	0.15%	0.066%
174	12.691	12.657	12.697	VV	29	421	0.30%	0.133%
175	12.761	12.697	12.771	VV	55	1758	1.24%	0.556%
176	12.776	12.771	12.814	VV	52	1037	0.73%	0.328%
177	12.824	12.814	12.847	VV	30	485	0.34%	0.153%
178	12.866	12.847	12.900	VV	27	694	0.49%	0.219%
179	12.922	12.900	12.932	VV	42	492	0.35%	0.156%
180	12.950	12.932	12.964	VV	33	457	0.32%	0.145%
181	12.986	12.964	13.006	VV	35	550	0.39%	0.174%
182	13.040	13.006	13.055	VV	48	1063	0.75%	0.336%
183	13.067	13.055	13.108	VV	48	1151	0.81%	0.364%
184	13.199	13.108	13.307	VV	126	6768	4.77%	2.140%
185	13.338	13.307	13.402	VB	25	585	0.41%	0.185%
186	13.448	13.405	13.475	BV	23	433	0.30%	0.137%
187	13.504	13.475	13.525	PV	27	529	0.37%	0.167%
188	13.534	13.525	13.558	VV	45	599	0.42%	0.189%
189	13.567	13.558	13.611	VV	31	615	0.43%	0.195%
190	13.617	13.611	13.625	VV	17	120	0.08%	0.038%
191	13.658	13.625	13.693	VV	25	603	0.42%	0.191%
192	13.721	13.693	13.736	VV	34	404	0.28%	0.128%
193	13.756	13.736	13.768	VV	25	343	0.24%	0.108%
194	13.782	13.768	13.800	VV	41	474	0.33%	0.150%

Instrument :
FID_B
ClientSampleId :
TP-2B

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/15/2025

					rteres			
195	13.808	13.800	13.817	VV	29	202	0.14%	0.064%
196	13.836	13.817	13.848	VV	44	458		
197	13.914	13.848	13.948	VV	78	2929		
198	13.963	13.948	14.005	VV	64	1463		
199	14.067	14.005	14.078	VV	84	2076		
200	14.100	14.078	14.126	VV	103	2523		
201	14.140	14.126	14.304	VV	98	4809	3.39%	1.520%
202	14.315	14.304	14.333	VV	15	165	0.12%	0.052%
203	14.351	14.333	14.367	VV	21	326	0.23%	0.103%
204	14.390	14.367	14.410	VV	35	620	0.44%	0.196%
205	14.429	14.410	14.439	VV	28	431	0.30%	0.136%
206	14.448	14.439	14.474	VV	24	379	0.27%	0.120%
207	14.479	14.474	14.486	VV	16	94	0.07%	0.030%
208	14.506	14.486	14.518	VV	27	353	0.25%	0.112%
209	14.578	14.518	14.593	VV	33	844	0.59%	0.267%
210	14.603	14.593	14.639	VV	19	411	0.29%	0.130%
211	14.648	14.639	14.656	VV	22	125	0.09%	0.039%
212	14.678	14.656	14.702	VV	26	407	0.29%	0.129%
213	14.706	14.702	14.720	VV	15	118	0.08%	0.037%
214	14.730	14.720	14.739	VV	29	211	0.15%	0.067%
215	14.743	14.739	14.755	VV	18	117	0.08%	0.037%
216	14.779	14.755	14.817	PV	28	705	0.50%	0.223%
217	14.826	14.817	14.834	VV	24	126	0.09%	0.040%
218	14.845	14.834	14.872	VV	19	271	0.19%	0.086%
219	14.886	14.872	14.897	VV	17	178	0.13%	0.056%
220	14.922	14.897	14.931	VV	22	287	0.20%	0.091%
221	14.957	14.931	14.970	VV	34	388	0.27%	0.123%
222	15.041	14.970	15.050	VV	74	1787	1.26%	0.565%
223	15.069	15.050	15.111	VV	63	1738	1.22%	0.549%
224	15.132	15.111	15.141	VV	35	522	0.37%	0.165%
225	15.149	15.141	15.166	VV	40	406	0.29%	0.128%
226	15.182	15.166	15.191	VV	29	355	0.25%	0.112%
227	15.218	15.191	15.251	VV	40	1033	0.73%	0.327%
228	15.258	15.251	15.286	VV	30	396	0.28%	0.125%
229	15.343	15.286	15.350	VV	37	726	0.51%	0.230%
230	15.407	15.350	15.462	VV	113	5424	3.82%	1.715%
231	15.471	15.462	15.479	VV	63	595	0.42%	0.188%
232	15.487	15.479	15.493	VV	63	502	0.35%	0.159%
233	15.506	15.493	15.557	VV	66	1809	1.27%	0.572%
234	15.569	15.557	15.597	VV	31	575	0.40%	0.182%
235	15.606	15.597	15.650	VV	24	524	0.37%	0.166%
236	15.682	15.650	15.739	VV	35	810	0.57%	0.256%
237	15.757	15.739	15.782	VV	29	506	0.36%	0.160%
238	15.839	15.782	15.854	VV	31	852	0.60%	0.269%
239	15.861	15.854	15.871	VV	19	162	0.11%	0.051%
240	15.938	15.871	15.946	VV	53	1335	0.94%	0.422%
241	15.959	15.946	16.005	VV	66	1289	0.91%	0.408%
242	16.016	16.005	16.038	VV	30	409	0.29%	0.129%
243	16.052	16.038	16.078	VV	24	398	0.28%	0.126%
244	16.087	16.078	16.097	VV	25	133	0.09%	0.042%
245	16.107	16.097	16.116	PV	14	112	0.08%	0.035%
246	16.161	16.116	16.168	VV	88	1330	0.94%	0.420%

Instrument :
FID_B
ClientSampleId :
TP-2B

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/15/2025

					rteres			
247	16.196	16.168	16.223	VV	157	3841	2.71%	1.214%
248	16.232	16.223	16.269	VV	92	1517	1	
249	16.285	16.269	16.296	VV	30	410	0	
250	16.314	16.296	16.329	VV	48	532	0	
251	16.384	16.329	16.422	VV	36	1234	0	
252	16.431	16.422	16.457	VV	33	514	0	
253	16.473	16.457	16.489	VV	29	384	0.27%	0.121%
254	16.522	16.489	16.546	VV	29	681	0.48%	0.215%
255	16.568	16.546	16.595	VV	27	569	0.40%	0.180%
256	16.625	16.595	16.634	VV	29	539	0.38%	0.170%
257	16.648	16.634	16.702	VV	37	771	0.54%	0.244%
258	16.712	16.702	16.726	VV	15	144	0.10%	0.045%
259	16.737	16.726	16.746	PV	19	138	0.10%	0.044%
260	16.751	16.746	16.756	VV	11	53	0.04%	0.017%
261	16.765	16.756	16.801	VBA	20	88	0.06%	0.028%
			Sum of corrected areas:				316340	

FB042325.M Wed May 14 09:11:19 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031723.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 19:07
Operator : YP/AJ
Sample : Q1982-03
Misc : 4.35G/5.00 ML DI WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-3

Integration File: Calibration.e
Quant Time: May 14 07:22:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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	8.795	417118	18.189 ng/ml
Target Compounds			

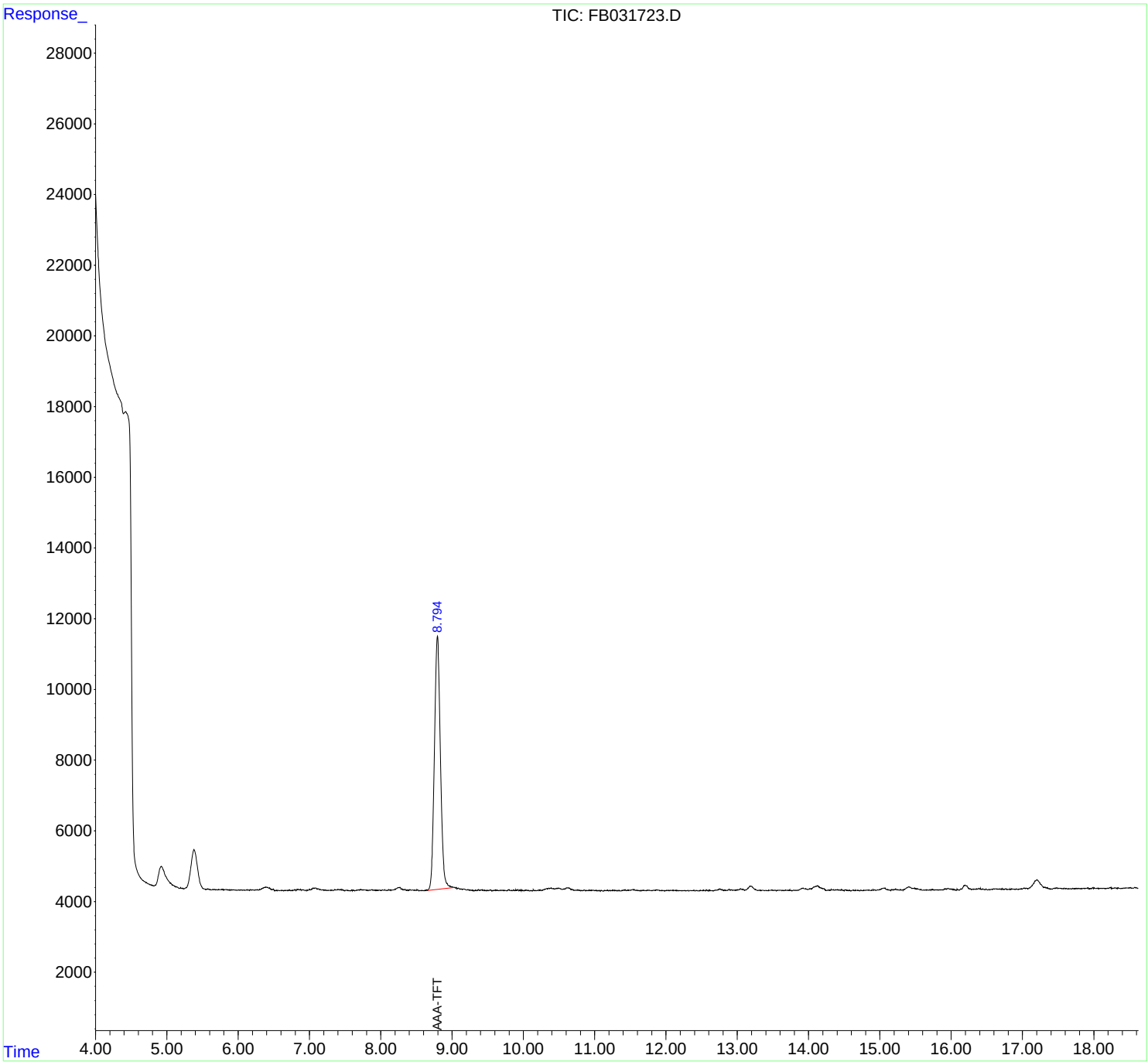
(f)=RT Delta > 1/2 Window (m)=manual int.

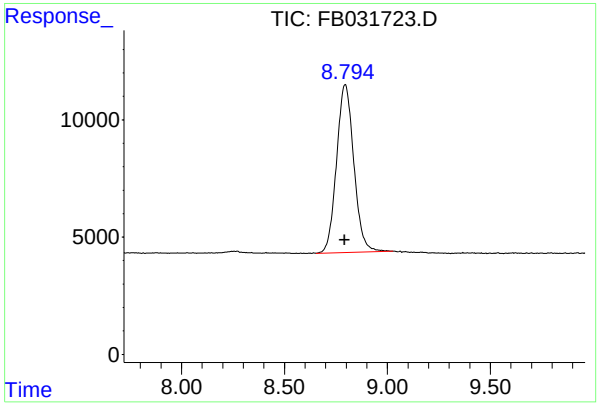
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031723.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 19:07
Operator : YP/AJ
Sample : Q1982-03
Misc : 4.35G/5.00 ML DI WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-3

Integration File: Calibration.e
Quant Time: May 14 07:22:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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.: 8.795 min
Delta R.T.: 0.003 mi
Response: 417118
Conc: 18.19 ng/m

Instrument :
FID_B
ClientSampleId :
TP-3

6

A B C D E F G H I

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031723.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 19:07
Sample : Q1982-03
Misc : 4.35G/5.00 ML DI WATER
ALS Vial : 17 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.807	4.771	4.821	BV	12	117	0.03%	0.015%
2	5.134	5.126	5.173	VV	50	874	0.20%	0.114%
3	5.194	5.173	5.212	VV	29	346	0.08%	0.045%
4	5.223	5.212	5.234	VV	29	176	0.04%	0.023%
5	5.578	5.558	5.600	VV	26	439	0.10%	0.057%
6	5.606	5.600	5.625	VV	19	103	0.02%	0.013%
7	5.674	5.625	5.686	PV	18	375	0.09%	0.049%
8	5.697	5.686	5.712	VV	11	110	0.03%	0.014%
9	5.726	5.712	5.747	VV	21	251	0.06%	0.033%
10	5.774	5.747	5.796	VV	25	469	0.11%	0.061%
11	5.803	5.796	5.845	PV	20	404	0.09%	0.053%
12	5.850	5.845	5.869	VV	17	136	0.03%	0.018%
13	5.877	5.869	5.883	VV	8	43	0.01%	0.006%
14	5.904	5.883	5.919	VV	17	192	0.04%	0.025%
15	5.936	5.919	5.988	VV	12	326	0.08%	0.043%
16	6.000	5.988	6.007	VV	12	68	0.02%	0.009%
17	6.013	6.007	6.028	VV	13	104	0.02%	0.014%
18	6.041	6.028	6.066	VV	17	227	0.05%	0.030%
19	6.074	6.066	6.108	VV	14	244	0.06%	0.032%
20	6.122	6.108	6.133	VV	30	247	0.06%	0.032%
21	6.144	6.133	6.161	VV	12	182	0.04%	0.024%
22	6.173	6.161	6.182	VV	21	191	0.04%	0.025%
23	6.192	6.182	6.238	VV	20	489	0.11%	0.064%
24	6.270	6.238	6.281	VV	27	470	0.11%	0.061%
25	6.303	6.281	6.311	VV	36	403	0.09%	0.053%
26	6.394	6.311	6.470	VV	102	6816	1.57%	0.891%
27	6.479	6.470	6.488	VV	40	370	0.09%	0.048%
28	6.495	6.488	6.511	VV	44	369	0.09%	0.048%
29	6.518	6.511	6.536	PV	12	104	0.02%	0.014%
30	6.542	6.536	6.550	VV	11	70	0.02%	0.009%
31	6.560	6.550	6.591	VV	18	196	0.05%	0.026%
32	6.616	6.591	6.642	VV	15	242	0.06%	0.032%
33	6.685	6.642	6.697	VV	15	271	0.06%	0.035%
34	6.709	6.697	6.752	VV	22	403	0.09%	0.053%
35	6.759	6.752	6.767	VV	22	110	0.03%	0.014%
36	6.798	6.767	6.819	VV	35	590	0.14%	0.077%

Page 1

rteres

37	6.829	6.819	6.835	VV	41	281	0.06%	0.037%
38	6.844	6.835	6.860	VV	45	529	0.12%	0.069%
39	6.870	6.860	6.894	VV	37	596	0.14%	0.078%
40	6.904	6.894	6.941	VV	32	676	0.16%	0.088%
41	6.953	6.941	6.967	VV	18	233	0.05%	0.030%
42	7.003	6.967	7.013	VV	48	701	0.16%	0.092%
43	7.064	7.013	7.109	VV	81	3642	0.84%	0.476%
44	7.121	7.109	7.276	VV	62	2970	0.69%	0.388%
45	7.403	7.276	7.499	VV	39	3401	0.79%	0.445%
46	7.513	7.499	7.574	VV	21	599	0.14%	0.078%
47	7.593	7.574	7.637	VV	38	602	0.14%	0.079%
48	7.718	7.637	7.752	PV	47	1806	0.42%	0.236%
49	7.763	7.752	7.825	VV	37	1112	0.26%	0.145%
50	7.838	7.825	7.850	VV	28	315	0.07%	0.041%
51	7.878	7.850	7.947	VV	38	1422	0.33%	0.186%
52	7.980	7.947	8.009	VV	29	746	0.17%	0.098%
53	8.028	8.009	8.050	VV	31	580	0.13%	0.076%
54	8.056	8.050	8.079	VV	33	404	0.09%	0.053%
55	8.115	8.079	8.156	VV	36	1112	0.26%	0.145%
56	8.269	8.156	8.366	VV	106	6861	1.58%	0.897%
57	8.380	8.366	8.393	VV	25	374	0.09%	0.049%
58	8.413	8.393	8.431	VV	39	607	0.14%	0.079%
59	8.447	8.431	8.465	VV	29	503	0.12%	0.066%
60	8.479	8.465	8.615	VV	25	1525	0.35%	0.199%
61	8.795	8.615	9.075	VV	7213	432985	100.00%	56.598%
62	9.089	9.075	9.150	VV	86	2887	0.67%	0.377%
63	9.166	9.150	9.204	VV	57	1532	0.35%	0.200%
64	9.221	9.204	9.308	VV	42	1505	0.35%	0.197%
65	9.368	9.308	9.511	VV	43	2624	0.61%	0.343%
66	9.537	9.511	9.563	VV	38	648	0.15%	0.085%
67	9.607	9.563	9.664	VV	37	1161	0.27%	0.152%
68	9.700	9.664	9.715	VV	32	616	0.14%	0.081%
69	9.729	9.715	9.769	VV	23	539	0.12%	0.070%
70	9.794	9.769	9.846	VV	40	966	0.22%	0.126%
71	9.864	9.846	9.881	VV	35	395	0.09%	0.052%
72	9.924	9.881	9.956	VV	40	1015	0.23%	0.133%
73	9.966	9.956	10.009	VV	31	643	0.15%	0.084%
74	10.041	10.009	10.093	VV	29	933	0.22%	0.122%
75	10.105	10.093	10.115	VV	12	142	0.03%	0.019%
76	10.143	10.115	10.182	VV	39	715	0.17%	0.093%
77	10.328	10.182	10.346	VV	71	3702	0.85%	0.484%
78	10.385	10.346	10.440	VV	88	4192	0.97%	0.548%
79	10.488	10.440	10.544	VV	86	4414	1.02%	0.577%
80	10.610	10.544	10.736	VV	97	6864	1.59%	0.897%
81	10.767	10.736	10.825	VV	31	1283	0.30%	0.168%
82	10.855	10.825	10.898	VV	27	884	0.20%	0.116%
83	10.925	10.898	10.960	VV	38	787	0.18%	0.103%
84	10.978	10.960	11.014	VV	27	729	0.17%	0.095%
85	11.022	11.014	11.046	VV	27	361	0.08%	0.047%
86	11.064	11.046	11.120	VV	21	610	0.14%	0.080%
87	11.180	11.120	11.198	PV	30	862	0.20%	0.113%
88	11.265	11.198	11.320	VV	28	1496	0.35%	0.196%
89	11.333	11.320	11.365	VV	32	461	0.11%	0.060%

rteres

90	11.431	11.365	11.445	VV	43	1213	0.28%	0.159%
91	11.460	11.445	11.496	VV	39	922	0.21%	0.121%
92	11.552	11.496	11.654	VV	56	3068	0.71%	0.401%
93	11.679	11.654	11.731	VV	33	1240	0.29%	0.162%
94	11.763	11.731	11.813	VV	36	1399	0.32%	0.183%
95	11.870	11.813	11.930	VV	50	2421	0.56%	0.316%
96	11.944	11.930	11.985	VV	32	838	0.19%	0.110%
97	12.024	11.985	12.049	VV	32	1082	0.25%	0.141%
98	12.066	12.049	12.086	VV	38	720	0.17%	0.094%
99	12.096	12.086	12.138	VV	45	1016	0.23%	0.133%
100	12.154	12.138	12.223	VV	31	1414	0.33%	0.185%
101	12.266	12.223	12.282	VV	30	989	0.23%	0.129%
102	12.301	12.282	12.324	VV	32	665	0.15%	0.087%
103	12.343	12.324	12.368	VV	33	765	0.18%	0.100%
104	12.391	12.368	12.411	VV	46	763	0.18%	0.100%
105	12.427	12.411	12.452	VV	36	709	0.16%	0.093%
106	12.532	12.452	12.552	VV	47	1987	0.46%	0.260%
107	12.571	12.552	12.598	VV	52	1019	0.24%	0.133%
108	12.619	12.598	12.634	VV	44	709	0.16%	0.093%
109	12.649	12.634	12.663	VV	35	521	0.12%	0.068%
110	12.757	12.663	12.809	VV	78	4671	1.08%	0.611%
111	12.821	12.809	12.842	VV	54	877	0.20%	0.115%
112	12.883	12.842	12.909	VV	66	2070	0.48%	0.271%
113	12.920	12.909	12.938	VV	61	976	0.23%	0.128%
114	12.951	12.938	12.993	VV	54	1642	0.38%	0.215%
115	13.047	12.993	13.106	VV	94	4596	1.06%	0.601%
116	13.184	13.106	13.285	VV	169	10909	2.52%	1.426%
117	13.307	13.285	13.342	VV	50	1631	0.38%	0.213%
118	13.358	13.342	13.383	VV	49	1119	0.26%	0.146%
119	13.401	13.383	13.429	VV	52	1217	0.28%	0.159%
120	13.488	13.429	13.507	VV	59	2337	0.54%	0.305%
121	13.525	13.507	13.571	VV	54	1886	0.44%	0.246%
122	13.586	13.571	13.660	VV	55	2711	0.63%	0.354%
123	13.678	13.660	13.725	VV	57	1990	0.46%	0.260%
124	13.734	13.725	13.769	VV	62	1313	0.30%	0.172%
125	13.924	13.769	13.990	VV	121	10311	2.38%	1.348%
126	14.024	13.990	14.037	VV	103	2595	0.60%	0.339%
127	14.125	14.037	14.253	VV	192	16626	3.84%	2.173%
128	14.292	14.253	14.303	VV	68	1854	0.43%	0.242%
129	14.346	14.303	14.365	VV	81	2618	0.60%	0.342%
130	14.408	14.365	14.457	VV	85	3914	0.90%	0.512%
131	14.465	14.457	14.501	VV	82	1773	0.41%	0.232%
132	14.516	14.501	14.599	VV	75	3585	0.83%	0.469%
133	14.626	14.599	14.663	VV	69	2280	0.53%	0.298%
134	14.678	14.663	14.716	VV	66	1945	0.45%	0.254%
135	14.729	14.716	14.758	VV	69	1498	0.35%	0.196%
136	14.848	14.758	14.869	VV	81	4423	1.02%	0.578%
137	14.929	14.869	14.946	VV	83	3256	0.75%	0.426%
138	15.061	14.946	15.152	VV	132	11619	2.68%	1.519%
139	15.172	15.152	15.186	VV	88	1666	0.38%	0.218%
140	15.224	15.186	15.240	VV	112	2937	0.68%	0.384%
141	15.252	15.240	15.273	VV	93	1666	0.38%	0.218%

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142	15.288	15.273	15.302	VV	98	1411	0.33%	0.184%
143	15.405	15.302	15.604	VV	171	21167	4.89%	2.767%
144	15.615	15.604	15.633	VV	85	1425	0.33%	0.186%
145	15.654	15.633	15.693	VV	89	2945	0.68%	0.385%
146	15.704	15.693	15.777	VV	96	4472	1.03%	0.585%
147	15.785	15.777	15.819	VV	91	2211	0.51%	0.289%
148	15.960	15.819	16.027	VV	130	13082	3.02%	1.710%
149	16.037	16.027	16.070	VV	104	2493	0.58%	0.326%
150	16.086	16.070	16.115	VV	112	2447	0.57%	0.320%
151	16.193	16.115	16.291	VV	226	16133	3.73%	2.109%
152	16.306	16.291	16.337	VV	117	3122	0.72%	0.408%
153	16.388	16.337	16.476	VV	140	9756	2.25%	1.275%
154	16.491	16.476	16.516	VV	118	2535	0.59%	0.331%
155	16.597	16.516	16.653	VV	128	9395	2.17%	1.228%
156	16.681	16.653	16.748	VV	131	6744	1.56%	0.882%
157	16.765	16.748	16.801	VBA	127	3630	0.84%	0.475%
			Sum of corrected areas:			765018		

FB042325.M Wed May 14 09:11:49 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031710.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 11:54
Operator : YP/AJ
Sample : Q1982-04
Misc : 6.51G/5.00 ML DI WATER
ALS Vial : 7 Sample Multiplier: 1

Integration File: Calibration.e
Quant Time: May 14 07:20:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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-4

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/15/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s AAA-TFT	8.793	380874	16.608 ng/mlm
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031710.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 11:54
Operator : YP/AJ
Sample : Q1982-04
Misc : 6.51G/5.00 ML DI WATER
ALS Vial : 7 Sample Multiplier: 1

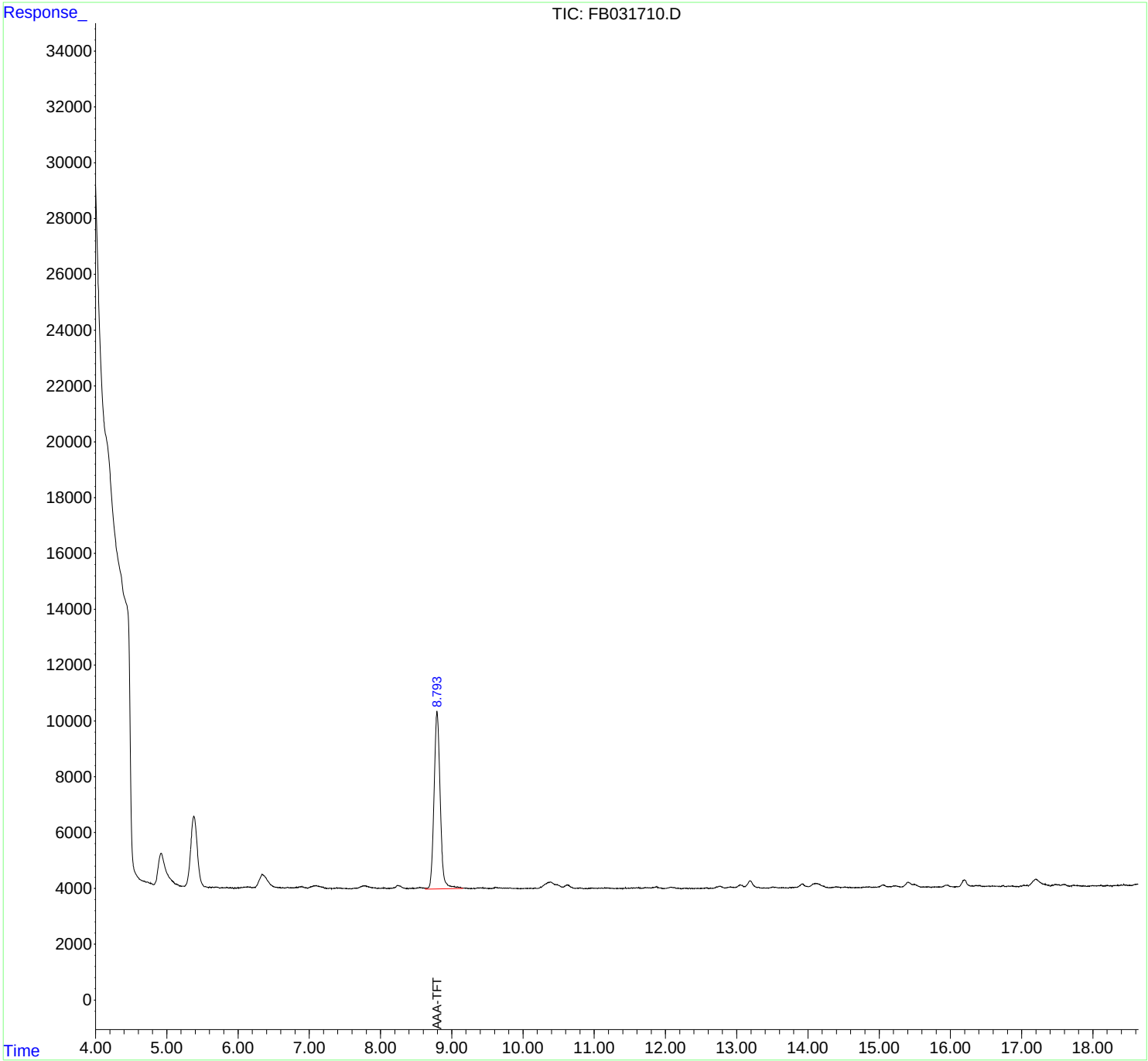
Integration File: Calibration.e
Quant Time: May 14 07:20:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

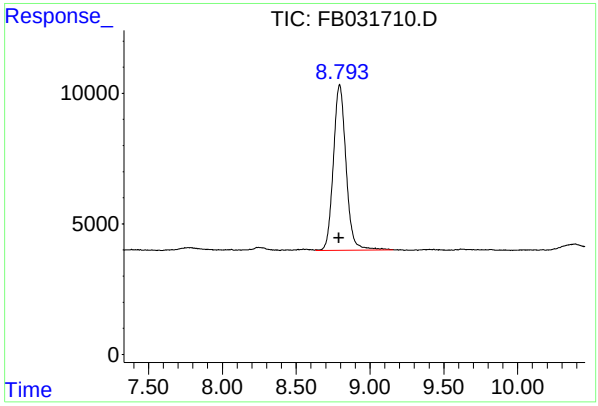
Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Instrument :
FID_B
ClientSampleId :
TP-4

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/15/2025





#5 AAA-TFT

R.T.: 8.793 min
Delta R.T.: 0.000 mi
Response: 380874
Conc: 16.61 ng/m

Instrument :
FID_B
ClientSampleId :
TP-4

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/15/2025

Instrument :
FID_B
ClientSampleId :
TP-4

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/15/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB05132
Data File : FB031710.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 11:54
Sample : Q1982-04
Misc : 6.51G/5.00 ML DI WATER
ALS Vial : 7 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.779	4.738	4.813	BV	19	261	0.07%	0.038%
2	5.185	5.177	5.248	PB	17	219	0.06%	0.032%
3	5.601	5.587	5.631	PV	29	479	0.13%	0.069%
4	5.640	5.631	5.660	VV	34	430	0.11%	0.062%
5	5.681	5.660	5.691	VV	39	478	0.13%	0.069%
6	5.701	5.691	5.747	VV	40	742	0.20%	0.107%
7	5.777	5.747	5.795	PV	22	442	0.12%	0.064%
8	5.804	5.795	5.812	VV	20	172	0.05%	0.025%
9	5.820	5.812	5.828	VV	22	155	0.04%	0.022%
10	5.840	5.828	5.875	VV	34	615	0.16%	0.089%
11	5.897	5.875	5.907	VV	31	356	0.09%	0.051%
12	5.926	5.907	5.942	VV	28	286	0.08%	0.041%
13	5.959	5.942	5.976	PV	36	297	0.08%	0.043%
14	5.990	5.976	6.002	VV	25	245	0.07%	0.035%
15	6.015	6.002	6.030	VV	32	321	0.09%	0.046%
16	6.043	6.030	6.059	VV	38	510	0.14%	0.074%
17	6.086	6.059	6.094	VV	55	875	0.23%	0.127%
18	6.115	6.094	6.124	VV	59	927	0.25%	0.134%
19	6.139	6.124	6.158	VV	65	1090	0.29%	0.158%
20	6.171	6.158	6.217	VV	60	1383	0.37%	0.200%
21	6.226	6.217	6.233	VV	44	349	0.09%	0.051%
22	6.339	6.233	6.559	VV	507	44178	11.73%	6.391%
23	6.573	6.559	6.588	VV	45	685	0.18%	0.099%
24	6.592	6.588	6.604	VV	54	320	0.08%	0.046%
25	6.629	6.604	6.660	VV	47	999	0.27%	0.144%
26	6.671	6.660	6.680	VV	35	350	0.09%	0.051%
27	6.698	6.680	6.713	VV	49	773	0.21%	0.112%
28	6.720	6.713	6.747	VV	39	671	0.18%	0.097%
29	6.755	6.747	6.789	VV	38	801	0.21%	0.116%
30	6.840	6.831	6.844	VV	50	340	0.09%	0.049%
31	6.876	6.844	6.889	VV	73	1685	0.45%	0.244%
32	6.898	6.889	6.977	VV	78	2538	0.67%	0.367%
33	7.083	6.977	7.179	VV	114	9626	2.56%	1.393%
34	7.186	7.179	7.213	VV	70	1057	0.28%	0.153%
35	7.221	7.213	7.268	VV	41	700	0.19%	0.101%
36	7.292	7.268	7.320	VV	30	511	0.14%	0.074%

Instrument :
FID_B
ClientSampleId :
TP-4

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/15/2025

					rteres			
37	7.346	7.320	7.354	VV	23	331	0.09%	0.048%
38	7.360	7.354	7.367	VV	23	163		
39	7.384	7.367	7.401	VV	44	587		
40	7.410	7.401	7.421	VV	29	316		
41	7.427	7.421	7.437	VV	32	283		
42	7.445	7.437	7.468	VV	32	350		
43	7.479	7.468	7.488	VV	20	200	0.05%	0.029%
44	7.495	7.488	7.514	VV	18	242	0.06%	0.035%
45	7.524	7.514	7.563	VV	26	323	0.09%	0.047%
46	7.574	7.563	7.596	VV	14	134	0.04%	0.019%
47	7.630	7.596	7.641	PV	25	483	0.13%	0.070%
48	7.766	7.641	7.808	VV	112	7102	1.88%	1.027%
49	7.815	7.808	7.872	VV	93	2660	0.71%	0.385%
50	7.879	7.872	7.889	VV	51	464	0.12%	0.067%
51	7.901	7.889	7.911	VV	47	589	0.16%	0.085%
52	7.916	7.911	7.947	VV	41	686	0.18%	0.099%
53	7.975	7.947	8.011	VV	32	898	0.24%	0.130%
54	8.024	8.011	8.033	VV	30	348	0.09%	0.050%
55	8.062	8.033	8.080	VV	44	809	0.21%	0.117%
56	8.116	8.080	8.129	VV	26	522	0.14%	0.076%
57	8.187	8.129	8.197	VV	53	1193	0.32%	0.173%
58	8.247	8.197	8.353	VV	125	6789	1.80%	0.982%
59	8.375	8.353	8.388	VV	25	335	0.09%	0.049%
60	8.405	8.388	8.419	VV	27	303	0.08%	0.044%
61	8.429	8.419	8.453	VV	24	417	0.11%	0.060%
62	8.459	8.453	8.478	VV	24	248	0.07%	0.036%
63	8.486	8.478	8.500	VV	25	266	0.07%	0.038%
64	8.514	8.500	8.536	VV	43	700	0.19%	0.101%
65	8.549	8.536	8.562	VV	58	677	0.18%	0.098%
66	8.569	8.562	8.589	VV	50	661	0.18%	0.096%
67	8.599	8.589	8.624	VV	40	606	0.16%	0.088%
68	8.634	8.624	8.654	VV	35	431	0.11%	0.062%
69	8.794	8.654	9.000	VV	6358	376749	100.00%	54.505%
70	9.010	9.000	9.027	VV	90	1410	0.37%	0.204%
71	9.036	9.027	9.068	VV	93	1790	0.48%	0.259%
72	9.080	9.068	9.091	VV	80	885	0.24%	0.128%
73	9.102	9.091	9.171	VV	63	2091	0.55%	0.302%
74	9.183	9.171	9.196	VV	30	395	0.10%	0.057%
75	9.205	9.196	9.241	VV	31	541	0.14%	0.078%
76	9.250	9.241	9.294	VV	21	405	0.11%	0.059%
77	9.307	9.294	9.325	VV	29	344	0.09%	0.050%
78	9.371	9.325	9.386	VV	41	990	0.26%	0.143%
79	9.402	9.386	9.421	VV	43	756	0.20%	0.109%
80	9.434	9.421	9.445	VV	48	540	0.14%	0.078%
81	9.453	9.445	9.463	VV	34	275	0.07%	0.040%
82	9.472	9.463	9.514	VV	32	655	0.17%	0.095%
83	9.615	9.514	9.653	VV	55	2309	0.61%	0.334%
84	9.672	9.653	9.714	VV	40	1173	0.31%	0.170%
85	9.733	9.714	9.742	VV	38	451	0.12%	0.065%
86	9.748	9.742	9.777	VV	28	536	0.14%	0.078%
87	9.786	9.777	9.799	VV	29	315	0.08%	0.046%
88	9.822	9.799	9.873	VV	37	1031	0.27%	0.149%
89	9.919	9.873	9.952	VV	19	651	0.17%	0.094%

Instrument :
FID_B
ClientSampleId :
TP-4

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/15/2025

					rteres			
90	9.962	9.952	9.968	VV	16	91	0.02%	0.013%
91	10.093	9.968	10.109	VV	25	1341		
92	10.117	10.109	10.145	VV	23	336		
93	10.174	10.145	10.188	VV	34	554		
94	10.200	10.188	10.209	VV	17	203		
95	10.390	10.209	10.475	VV	249	24253		
96	10.482	10.475	10.558	VV	153	5183	1.38%	0.750%
97	10.621	10.558	10.741	VV	146	8582	2.28%	1.242%
98	10.752	10.741	10.778	VV	25	482	0.13%	0.070%
99	10.802	10.778	10.814	VV	45	610	0.16%	0.088%
100	10.834	10.814	10.849	VV	25	385	0.10%	0.056%
101	10.893	10.849	10.908	VV	15	326	0.09%	0.047%
102	10.957	10.908	11.004	VV	30	1219	0.32%	0.176%
103	11.012	11.004	11.048	VV	22	513	0.14%	0.074%
104	11.062	11.048	11.089	VV	28	496	0.13%	0.072%
105	11.101	11.089	11.111	VV	32	327	0.09%	0.047%
106	11.122	11.111	11.134	VV	25	297	0.08%	0.043%
107	11.148	11.134	11.164	VV	47	553	0.15%	0.080%
108	11.174	11.164	11.286	VV	37	1575	0.42%	0.228%
109	11.306	11.286	11.344	VV	18	467	0.12%	0.068%
110	11.361	11.344	11.372	VV	21	254	0.07%	0.037%
111	11.387	11.372	11.420	VV	24	404	0.11%	0.058%
112	11.440	11.420	11.451	VV	40	381	0.10%	0.055%
113	11.480	11.451	11.491	VV	30	487	0.13%	0.070%
114	11.499	11.491	11.506	VV	27	185	0.05%	0.027%
115	11.525	11.506	11.537	VV	42	549	0.15%	0.079%
116	11.551	11.537	11.578	VV	39	788	0.21%	0.114%
117	11.604	11.578	11.615	VV	45	782	0.21%	0.113%
118	11.625	11.615	11.639	VV	55	514	0.14%	0.074%
119	11.717	11.639	11.728	VV	47	1455	0.39%	0.210%
120	11.756	11.728	11.766	VV	44	877	0.23%	0.127%
121	11.777	11.766	11.816	VV	42	1030	0.27%	0.149%
122	11.824	11.816	11.840	VV	54	672	0.18%	0.097%
123	11.877	11.840	11.935	VV	79	2811	0.75%	0.407%
124	11.944	11.935	11.955	VV	35	300	0.08%	0.043%
125	11.963	11.955	11.971	VV	20	119	0.03%	0.017%
126	11.980	11.971	11.989	VV	16	122	0.03%	0.018%
127	12.077	11.989	12.108	VV	59	2534	0.67%	0.367%
128	12.128	12.108	12.166	VV	48	1104	0.29%	0.160%
129	12.174	12.166	12.183	VV	27	179	0.05%	0.026%
130	12.191	12.183	12.239	VV	24	370	0.10%	0.054%
131	12.265	12.239	12.275	VV	24	347	0.09%	0.050%
132	12.289	12.275	12.297	VV	22	251	0.07%	0.036%
133	12.304	12.297	12.322	VV	23	236	0.06%	0.034%
134	12.342	12.322	12.354	PV	28	279	0.07%	0.040%
135	12.367	12.354	12.379	VV	20	190	0.05%	0.027%
136	12.387	12.379	12.406	VV	15	169	0.04%	0.024%
137	12.417	12.406	12.479	VV	22	603	0.16%	0.087%
138	12.493	12.479	12.500	VV	15	134	0.04%	0.019%
139	12.512	12.500	12.519	VV	19	163	0.04%	0.024%
140	12.575	12.519	12.611	VV	40	1090	0.29%	0.158%
141	12.620	12.611	12.627	VV	19	116	0.03%	0.017%

Instrument :
FID_B
ClientSampleId :
TP-4

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/15/2025

					rteres			
142	12.636	12.627	12.644	VV	23	157	0.04%	0.023%
143	12.655	12.644	12.669	VV	21	223		
144	12.721	12.669	12.735	VV	64	1516		
145	12.757	12.735	12.765	VV	87	1366		
146	12.773	12.765	12.833	VV	91	2214		
147	12.911	12.833	12.940	VV	64	2616		
148	12.946	12.940	12.979	VV	48	943	0.25%	0.136%
149	12.991	12.979	12.999	VV	56	545	0.14%	0.079%
150	13.049	12.999	13.072	VV	131	4347	1.15%	0.629%
151	13.081	13.072	13.099	VV	121	1566	0.42%	0.227%
152	13.187	13.099	13.291	VV	274	15741	4.18%	2.277%
153	13.308	13.291	13.344	VV	44	898	0.24%	0.130%
154	13.382	13.344	13.401	VV	23	434	0.12%	0.063%
155	13.414	13.401	13.445	VV	14	270	0.07%	0.039%
156	13.513	13.445	13.538	VV	47	1747	0.46%	0.253%
157	13.546	13.538	13.583	VV	45	791	0.21%	0.114%
158	13.614	13.583	13.623	VV	22	418	0.11%	0.060%
159	13.630	13.623	13.650	VV	26	310	0.08%	0.045%
160	13.657	13.650	13.678	VV	26	282	0.07%	0.041%
161	13.689	13.678	13.700	VV	17	172	0.05%	0.025%
162	13.708	13.700	13.725	VV	15	189	0.05%	0.027%
163	13.745	13.725	13.757	VV	36	378	0.10%	0.055%
164	13.783	13.757	13.809	VV	35	743	0.20%	0.107%
165	13.830	13.809	13.842	VV	38	569	0.15%	0.082%
166	13.926	13.842	14.011	VV	150	8685	2.31%	1.256%
167	14.107	14.011	14.120	VV	173	7785	2.07%	1.126%
168	14.131	14.120	14.296	VV	165	8448	2.24%	1.222%
169	14.307	14.296	14.315	VV	17	129	0.03%	0.019%
170	14.348	14.315	14.356	VV	26	419	0.11%	0.061%
171	14.395	14.356	14.418	VV	45	1210	0.32%	0.175%
172	14.426	14.418	14.457	VV	33	612	0.16%	0.088%
173	14.522	14.457	14.533	VV	41	956	0.25%	0.138%
174	14.540	14.533	14.564	VV	24	335	0.09%	0.048%
175	14.571	14.564	14.582	VV	16	124	0.03%	0.018%
176	14.595	14.582	14.623	VV	22	252	0.07%	0.036%
177	14.635	14.623	14.655	VV	18	141	0.04%	0.020%
178	14.680	14.655	14.693	VV	18	192	0.05%	0.028%
179	14.703	14.693	14.738	VV	14	216	0.06%	0.031%
180	14.781	14.738	14.801	VV	27	550	0.15%	0.080%
181	14.868	14.801	14.888	VV	40	1389	0.37%	0.201%
182	14.894	14.888	14.908	VV	14	152	0.04%	0.022%
183	14.928	14.908	14.937	VV	25	294	0.08%	0.043%
184	14.946	14.937	14.962	VV	24	285	0.08%	0.041%
185	15.061	14.962	15.123	VV	102	5364	1.42%	0.776%
186	15.141	15.123	15.150	VV	47	570	0.15%	0.083%
187	15.158	15.150	15.166	VV	39	329	0.09%	0.048%
188	15.209	15.166	15.323	VV	67	4035	1.07%	0.584%
189	15.407	15.323	15.470	VV	189	10612	2.82%	1.535%
190	15.498	15.470	15.606	VV	114	5198	1.38%	0.752%
191	15.618	15.606	15.735	VV	23	1191	0.32%	0.172%
192	15.787	15.735	15.830	PV	18	829	0.22%	0.120%
193	15.962	15.830	16.036	VV	80	4400	1.17%	0.637%
194	16.048	16.036	16.066	VV	11	201	0.05%	0.029%

Instrument :
FID_B
ClientSampleId :
TP-4

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/15/2025

					rteres			
195	16.090	16.066	16.105	VV	21	290	0.08%	0.042%
196	16.197	16.105	16.327	VV	260	13681		
197	16.357	16.327	16.380	VV	53	1301		
198	16.395	16.380	16.405	VV	50	618		
199	16.416	16.405	16.494	VV	59	1287		
200	16.546	16.494	16.561	VV	28	830		
201	16.592	16.561	16.607	VV	31	570	0.15%	0.083%
202	16.617	16.607	16.706	VV	24	957	0.25%	0.138%
203	16.744	16.706	16.781	PV	38	782	0.21%	0.113%
			Sum of corrected areas:			691219		

FB042325.M Wed May 14 09:03:16 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031711.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 12:21
Operator : YP/AJ
Sample : Q1982-05
Misc : 5.65G/5.00 ML DI WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-5

Integration File: Calibration.e
Quant Time: May 14 07:20:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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	8.794	384039	16.746 ng/ml
Target Compounds				

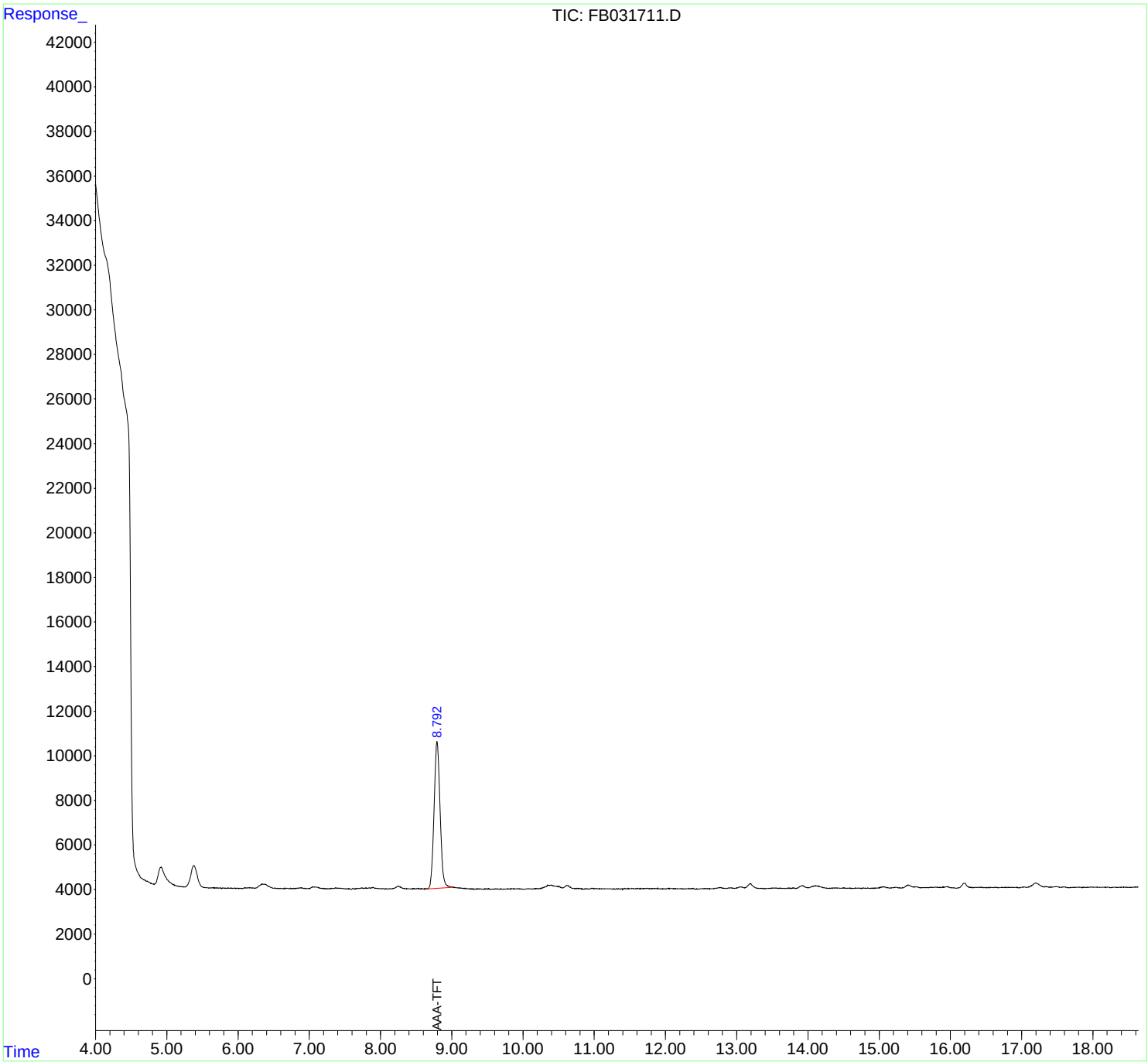
(f)=RT Delta > 1/2 Window (m)=manual int.

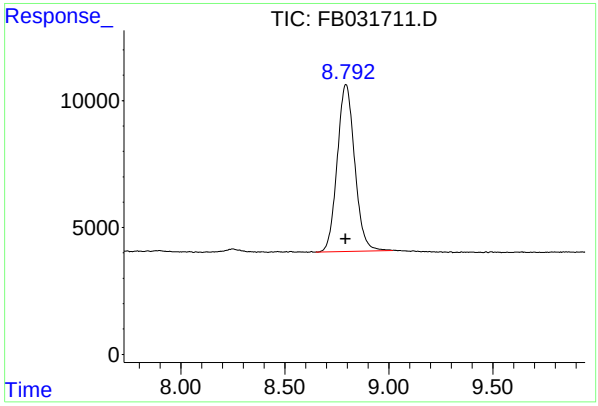
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031711.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 12:21
Operator : YP/AJ
Sample : Q1982-05
Misc : 5.65G/5.00 ML DI WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-5

Integration File: Calibration.e
Quant Time: May 14 07:20:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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.: 8.794 min
Delta R.T.: 0.002 mi
Response: 384039
Conc: 16.75 ng/m

Instrument :
FID_B
ClientSampleId :
TP-5

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031711.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 12:21
Sample : Q1982-05
Misc : 5.65G/5.00 ML DI WATER
ALS Vial : 8 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.721	4.671	4.805	BV	3	46	0.01%	0.007%
2	4.815	4.805	4.824	PV	13	101	0.03%	0.015%
3	5.179	5.172	5.239	VB	17	248	0.06%	0.038%
4	5.553	5.544	5.588	VV	25	364	0.09%	0.056%
5	5.602	5.588	5.612	PV	16	121	0.03%	0.018%
6	5.639	5.612	5.653	VV	19	303	0.08%	0.046%
7	5.660	5.653	5.726	VB	26	418	0.11%	0.064%
8	5.796	5.728	5.805	BV	15	108	0.03%	0.017%
9	5.808	5.805	5.818	VV	10	42	0.01%	0.006%
10	5.822	5.818	5.837	VV	11	54	0.01%	0.008%
11	5.852	5.837	5.862	PV	15	168	0.04%	0.026%
12	5.870	5.862	5.885	VV	20	179	0.05%	0.027%
13	5.916	5.885	5.925	VV	28	410	0.10%	0.063%
14	5.940	5.925	5.948	VV	18	213	0.05%	0.033%
15	5.959	5.948	5.971	VV	27	266	0.07%	0.041%
16	5.989	5.971	6.008	PV	27	420	0.11%	0.064%
17	6.029	6.008	6.039	VV	26	332	0.08%	0.051%
18	6.047	6.039	6.060	VV	22	204	0.05%	0.031%
19	6.095	6.060	6.139	VV	52	1579	0.40%	0.241%
20	6.156	6.139	6.202	VV	56	1624	0.41%	0.248%
21	6.211	6.202	6.229	VV	45	567	0.14%	0.087%
22	6.347	6.229	6.497	VV	221	19883	5.02%	3.042%
23	6.515	6.497	6.586	VV	43	1376	0.35%	0.210%
24	6.594	6.586	6.619	VV	26	368	0.09%	0.056%
25	6.628	6.619	6.651	VV	20	332	0.08%	0.051%
26	6.691	6.651	6.711	VV	37	882	0.22%	0.135%
27	6.719	6.711	6.729	VV	20	185	0.05%	0.028%
28	6.742	6.729	6.751	VV	27	257	0.06%	0.039%
29	6.757	6.751	6.771	VV	18	182	0.05%	0.028%
30	6.781	6.771	6.788	VV	29	200	0.05%	0.031%
31	6.799	6.788	6.809	VV	31	320	0.08%	0.049%
32	6.972	6.958	6.982	VV	29	326	0.08%	0.050%
33	6.989	6.982	6.998	VV	28	249	0.06%	0.038%
34	7.053	6.998	7.084	VV	97	3693	0.93%	0.565%
35	7.097	7.084	7.127	VV	93	2175	0.55%	0.333%
36	7.133	7.127	7.195	VV	73	1787	0.45%	0.273%

rteres

37	7.203	7.195	7.237	VV	35	615	0.16%	0.094%
38	7.253	7.237	7.283	VV	28	570	0.14%	0.087%
39	7.294	7.283	7.300	VV	33	207	0.05%	0.032%
40	7.309	7.300	7.323	VV	40	401	0.10%	0.061%
41	7.349	7.323	7.356	VV	41	643	0.16%	0.098%
42	7.373	7.356	7.392	VV	58	1033	0.26%	0.158%
43	7.421	7.392	7.430	VV	51	979	0.25%	0.150%
44	7.444	7.430	7.485	VV	44	1171	0.30%	0.179%
45	7.490	7.485	7.507	VV	31	315	0.08%	0.048%
46	7.556	7.507	7.593	VV	29	754	0.19%	0.115%
47	7.611	7.593	7.636	VV	39	521	0.13%	0.080%
48	7.660	7.636	7.671	PV	45	518	0.13%	0.079%
49	7.684	7.671	7.698	VV	46	553	0.14%	0.085%
50	7.743	7.698	7.768	VV	68	2047	0.52%	0.313%
51	7.793	7.768	7.817	VV	71	1506	0.38%	0.230%
52	7.842	7.817	7.856	VV	67	1273	0.32%	0.195%
53	7.898	7.856	7.938	VV	85	3045	0.77%	0.466%
54	7.946	7.938	7.967	VV	48	666	0.17%	0.102%
55	7.984	7.967	7.995	VV	36	507	0.13%	0.078%
56	8.016	7.995	8.029	VV	33	589	0.15%	0.090%
57	8.042	8.029	8.063	VV	39	551	0.14%	0.084%
58	8.073	8.063	8.105	VV	32	456	0.12%	0.070%
59	8.122	8.105	8.145	VV	35	524	0.13%	0.080%
60	8.250	8.145	8.321	VV	150	7940	2.00%	1.215%
61	8.328	8.321	8.365	VV	41	811	0.20%	0.124%
62	8.373	8.365	8.421	VV	30	816	0.21%	0.125%
63	8.468	8.421	8.490	VV	43	1109	0.28%	0.170%
64	8.527	8.490	8.556	VV	41	1183	0.30%	0.181%
65	8.570	8.556	8.595	VV	34	584	0.15%	0.089%
66	8.603	8.595	8.611	VV	26	205	0.05%	0.031%
67	8.629	8.611	8.641	VV	44	483	0.12%	0.074%
68	8.794	8.641	9.018	VV	6629	396114	100.00%	60.593%
69	9.026	9.018	9.105	VV	101	4043	1.02%	0.618%
70	9.120	9.105	9.133	VV	74	1086	0.27%	0.166%
71	9.140	9.133	9.157	VV	56	693	0.18%	0.106%
72	9.178	9.157	9.208	VV	47	1200	0.30%	0.183%
73	9.216	9.208	9.239	VV	36	556	0.14%	0.085%
74	9.250	9.239	9.261	VV	33	346	0.09%	0.053%
75	9.271	9.261	9.288	VV	28	339	0.09%	0.052%
76	9.300	9.288	9.322	VV	38	396	0.10%	0.061%
77	9.350	9.322	9.359	VV	37	419	0.11%	0.064%
78	9.378	9.359	9.385	VV	24	310	0.08%	0.047%
79	9.404	9.385	9.423	VV	29	472	0.12%	0.072%
80	9.436	9.423	9.455	VV	19	245	0.06%	0.037%
81	9.468	9.455	9.479	VV	36	276	0.07%	0.042%
82	9.494	9.479	9.504	VV	34	338	0.09%	0.052%
83	9.512	9.504	9.520	VV	28	219	0.06%	0.034%
84	9.525	9.520	9.543	VV	23	234	0.06%	0.036%
85	9.614	9.543	9.629	PV	25	756	0.19%	0.116%
86	9.641	9.629	9.675	VV	28	499	0.13%	0.076%
87	9.682	9.675	9.717	VV	25	404	0.10%	0.062%
88	9.798	9.717	9.807	VV	28	931	0.24%	0.142%
89	9.839	9.807	9.898	VV	36	1278	0.32%	0.196%

rteres

90	9.906	9.898	9.920	VV	28	308	0.08%	0.047%
91	9.927	9.920	9.993	VV	30	870	0.22%	0.133%
92	10.016	9.993	10.027	VV	17	228	0.06%	0.035%
93	10.054	10.027	10.084	VV	28	657	0.17%	0.101%
94	10.091	10.084	10.098	VV	28	224	0.06%	0.034%
95	10.100	10.098	10.109	VV	30	157	0.04%	0.024%
96	10.185	10.109	10.201	VV	37	1381	0.35%	0.211%
97	10.357	10.201	10.379	VV	185	9915	2.50%	1.517%
98	10.389	10.379	10.491	VV	188	10172	2.57%	1.556%
99	10.499	10.491	10.510	VV	130	1405	0.35%	0.215%
100	10.518	10.510	10.556	VV	121	2391	0.60%	0.366%
101	10.616	10.556	10.709	VV	175	9544	2.41%	1.460%
102	10.723	10.709	10.736	VV	45	536	0.14%	0.082%
103	10.752	10.736	10.788	VV	35	992	0.25%	0.152%
104	10.797	10.788	10.858	VV	40	925	0.23%	0.141%
105	10.889	10.858	10.919	VV	30	653	0.16%	0.100%
106	10.937	10.919	10.946	VV	22	264	0.07%	0.040%
107	10.965	10.946	10.973	VV	43	516	0.13%	0.079%
108	10.988	10.973	11.002	VV	47	577	0.15%	0.088%
109	11.027	11.002	11.036	VV	37	562	0.14%	0.086%
110	11.043	11.036	11.069	VV	32	472	0.12%	0.072%
111	11.104	11.069	11.120	VV	26	582	0.15%	0.089%
112	11.130	11.120	11.142	VV	22	234	0.06%	0.036%
113	11.178	11.142	11.259	VV	24	1284	0.32%	0.196%
114	11.267	11.259	11.301	VV	18	342	0.09%	0.052%
115	11.344	11.301	11.373	VV	30	710	0.18%	0.109%
116	11.385	11.373	11.404	VV	23	234	0.06%	0.036%
117	11.480	11.404	11.511	VV	42	1400	0.35%	0.214%
118	11.529	11.511	11.571	VV	32	881	0.22%	0.135%
119	11.658	11.571	11.674	VV	41	1598	0.40%	0.244%
120	11.739	11.674	11.785	VV	35	1851	0.47%	0.283%
121	11.806	11.785	11.880	VV	38	1496	0.38%	0.229%
122	11.890	11.880	11.943	VV	31	764	0.19%	0.117%
123	11.963	11.943	12.013	VV	18	604	0.15%	0.092%
124	12.045	12.013	12.122	VV	32	1550	0.39%	0.237%
125	12.136	12.122	12.180	VV	23	679	0.17%	0.104%
126	12.210	12.180	12.250	VV	27	728	0.18%	0.111%
127	12.275	12.250	12.309	VV	16	487	0.12%	0.075%
128	12.387	12.309	12.428	VV	32	1252	0.32%	0.192%
129	12.520	12.428	12.541	PV	21	722	0.18%	0.110%
130	12.559	12.541	12.665	VV	28	1272	0.32%	0.195%
131	12.772	12.665	12.859	VV	68	4599	1.16%	0.704%
132	12.917	12.859	12.987	VV	54	2970	0.75%	0.454%
133	13.050	12.987	13.120	VV	92	5263	1.33%	0.805%
134	13.195	13.120	13.324	VV	236	13129	3.31%	2.008%
135	13.365	13.324	13.397	VV	29	776	0.20%	0.119%
136	13.414	13.397	13.433	VV	19	330	0.08%	0.050%
137	13.515	13.433	13.586	VV	38	2564	0.65%	0.392%
138	13.604	13.586	13.670	VV	31	1153	0.29%	0.176%
139	13.680	13.670	13.700	VV	28	292	0.07%	0.045%
140	13.747	13.700	13.770	VV	46	1076	0.27%	0.165%
141	13.804	13.770	13.845	VV	46	1165	0.29%	0.178%

rteres

142	13.924	13.845	14.020	VV	143	8557	2.16%	1.309%
143	14.112	14.020	14.318	VV	140	12785	3.23%	1.956%
144	14.394	14.318	14.471	VV	34	2320	0.59%	0.355%
145	14.499	14.471	14.549	VV	34	1097	0.28%	0.168%
146	14.563	14.549	14.585	VV	24	350	0.09%	0.053%
147	14.599	14.585	14.626	VV	14	303	0.08%	0.046%
148	14.716	14.626	14.749	VV	28	1106	0.28%	0.169%
149	14.783	14.749	14.799	VV	33	533	0.13%	0.082%
150	14.807	14.799	14.822	VV	21	175	0.04%	0.027%
151	14.844	14.822	14.867	VV	37	367	0.09%	0.056%
152	14.891	14.867	14.926	PV	17	412	0.10%	0.063%
153	15.059	14.926	15.145	VV	79	5216	1.32%	0.798%
154	15.234	15.145	15.308	VV	52	3184	0.80%	0.487%
155	15.416	15.308	15.498	VV	151	9523	2.40%	1.457%
156	15.523	15.498	15.607	VV	69	2973	0.75%	0.455%
157	15.712	15.607	15.732	VV	43	2595	0.66%	0.397%
158	15.795	15.732	15.836	VV	61	2729	0.69%	0.417%
159	15.855	15.836	15.876	VV	51	931	0.24%	0.142%
160	15.896	15.876	16.035	VV	74	4289	1.08%	0.656%
161	16.049	16.035	16.082	VV	21	346	0.09%	0.053%
162	16.196	16.082	16.304	PV	220	11201	2.83%	1.713%
163	16.402	16.304	16.425	VV	30	1664	0.42%	0.254%
164	16.443	16.425	16.539	VV	33	994	0.25%	0.152%
165	16.566	16.539	16.675	VV	25	1069	0.27%	0.164%
166	16.727	16.675	16.788	VV	20	564	0.14%	0.086%
			Sum of corrected areas:			653730		

FB042325.M Wed May 14 09:03:52 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031724.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 19:35
Operator : YP/AJ
Sample : Q1982-06
Misc : 4.26G/5.00 ML DI WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-6

Integration File: Calibration.e
Quant Time: May 14 07:22:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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	8.795	435726	19.000 ng/ml
Target Compounds				

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

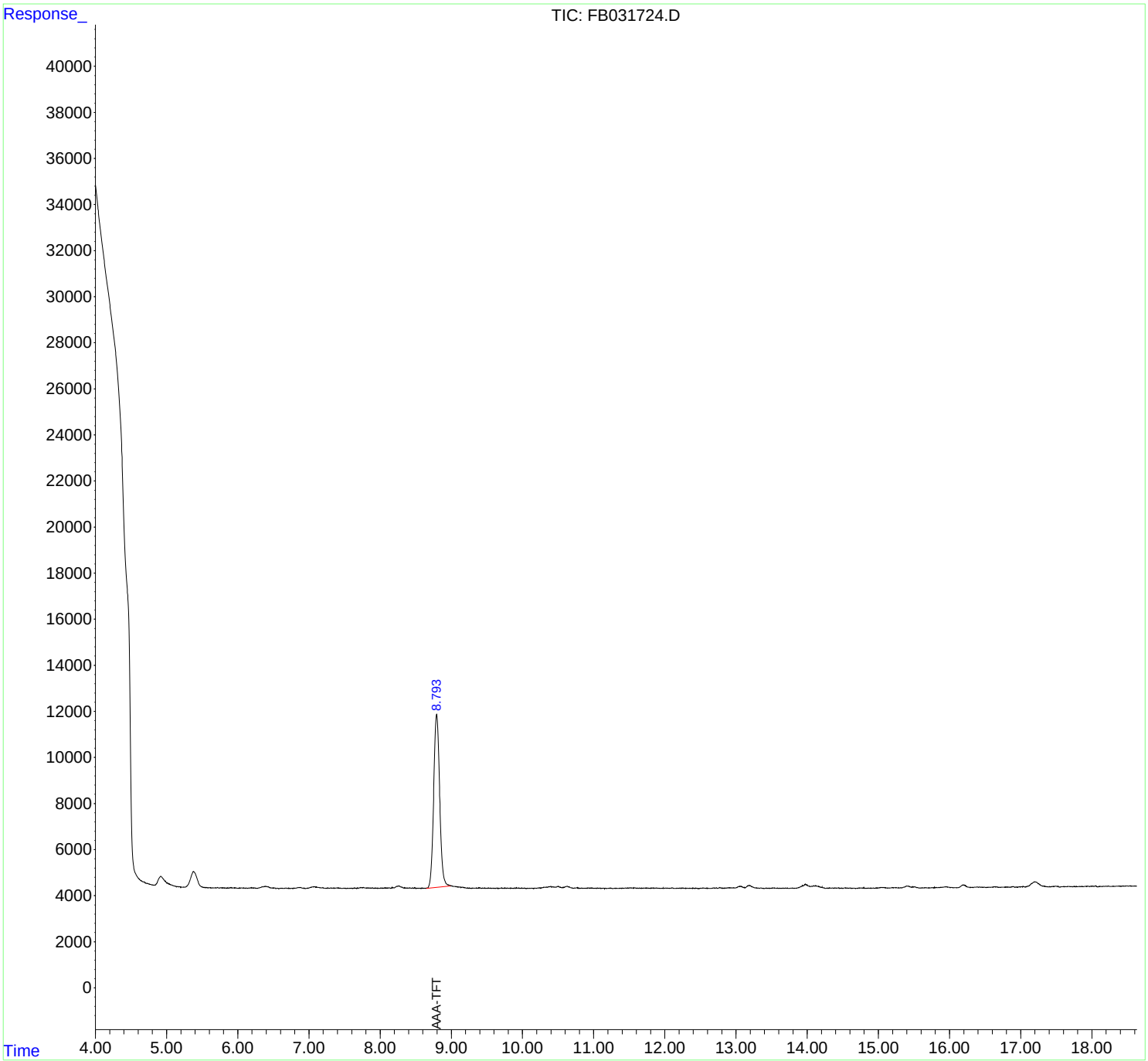
Sample Results: **FB031724.D**

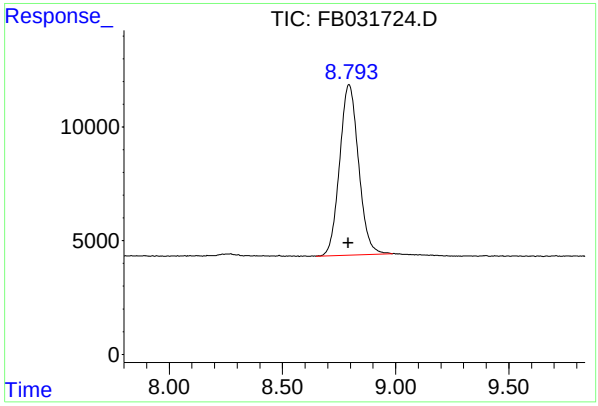
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031724.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 19:35
Operator : YP/AJ
Sample : Q1982-06
Misc : 4.26G/5.00 ML DI WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-6

Integration File: Calibration.e
Quant Time: May 14 07:22:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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.: 8.795 min
Delta R.T.: 0.003 mi
Response: 435726
Conc: 19.00 ng/m

Instrument :
FID_B
ClientSampleId :
TP-6

6
A
B
C
D
E
F
G
H
I

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031724.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 19:35
Sample : Q1982-06
Misc : 4.26G/5.00 ML DI WATER
ALS Vial : 18 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.828	4.788	4.837	BV	11	29	0.01%	0.005%
2	5.158	5.141	5.173	PV	16	148	0.03%	0.023%
3	5.188	5.173	5.233	VV	13	133	0.03%	0.021%
4	5.242	5.233	5.250	PV	10	47	0.01%	0.007%
5	5.538	5.528	5.550	VV	25	171	0.04%	0.027%
6	5.562	5.550	5.589	VV	14	204	0.05%	0.032%
7	5.608	5.589	5.634	VV	16	222	0.05%	0.035%
8	5.652	5.634	5.661	PV	13	94	0.02%	0.015%
9	5.689	5.661	5.703	VV	13	224	0.05%	0.035%
10	5.716	5.703	5.745	VV	25	306	0.07%	0.048%
11	5.755	5.745	5.766	VV	18	149	0.03%	0.023%
12	5.784	5.766	5.794	VV	24	265	0.06%	0.042%
13	5.804	5.794	5.816	VV	23	170	0.04%	0.027%
14	5.827	5.816	5.837	VV	18	142	0.03%	0.022%
15	5.858	5.837	5.870	PV	20	189	0.04%	0.030%
16	5.904	5.870	5.922	VV	32	606	0.14%	0.096%
17	5.939	5.922	5.951	VV	24	314	0.07%	0.050%
18	5.965	5.951	6.010	VV	29	444	0.10%	0.070%
19	6.020	6.010	6.035	PV	15	156	0.04%	0.025%
20	6.054	6.035	6.071	VV	24	364	0.08%	0.058%
21	6.083	6.071	6.107	VV	32	362	0.08%	0.057%
22	6.117	6.107	6.140	VV	19	299	0.07%	0.047%
23	6.157	6.140	6.167	VV	23	256	0.06%	0.041%
24	6.183	6.167	6.204	VV	36	569	0.13%	0.090%
25	6.209	6.204	6.223	VV	32	274	0.06%	0.043%
26	6.234	6.223	6.262	VV	30	445	0.10%	0.070%
27	6.271	6.262	6.282	VV	17	151	0.03%	0.024%
28	6.342	6.282	6.352	VV	87	2041	0.46%	0.323%
29	6.389	6.352	6.509	VV	111	6187	1.39%	0.979%
30	6.517	6.509	6.539	VV	37	477	0.11%	0.075%
31	6.553	6.539	6.577	VV	31	403	0.09%	0.064%
32	6.601	6.577	6.641	PV	27	735	0.17%	0.116%
33	6.676	6.641	6.719	VV	35	1028	0.23%	0.163%
34	6.727	6.719	6.758	VV	23	400	0.09%	0.063%
35	6.764	6.758	6.777	VV	29	230	0.05%	0.036%
36	6.848	6.777	6.864	VV	61	1885	0.42%	0.298%

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37	6.869	6.864	6.877	VV	60	429	0.10%	0.068%
38	6.886	6.877	6.953	VV	63	1514	0.34%	0.239%
39	6.963	6.953	6.968	VV	21	150	0.03%	0.024%
40	6.981	6.968	6.990	VV	38	353	0.08%	0.056%
41	7.082	6.990	7.157	VV	89	6475	1.46%	1.024%
42	7.165	7.157	7.186	VV	52	716	0.16%	0.113%
43	7.198	7.186	7.213	VV	53	585	0.13%	0.093%
44	7.228	7.213	7.238	VV	30	346	0.08%	0.055%
45	7.271	7.238	7.283	VV	36	736	0.17%	0.116%
46	7.306	7.283	7.324	VV	40	685	0.15%	0.108%
47	7.348	7.324	7.357	VV	39	594	0.13%	0.094%
48	7.363	7.357	7.369	VV	34	189	0.04%	0.030%
49	7.374	7.369	7.379	VV	29	169	0.04%	0.027%
50	7.393	7.379	7.404	VV	39	481	0.11%	0.076%
51	7.409	7.404	7.427	VV	46	447	0.10%	0.071%
52	7.439	7.427	7.473	VV	29	509	0.11%	0.080%
53	7.484	7.473	7.527	VV	22	546	0.12%	0.086%
54	7.546	7.527	7.579	VV	19	429	0.10%	0.068%
55	7.591	7.579	7.616	VV	25	372	0.08%	0.059%
56	7.642	7.616	7.669	VV	36	656	0.15%	0.104%
57	7.683	7.669	7.693	VV	27	292	0.07%	0.046%
58	7.722	7.693	7.732	VV	52	749	0.17%	0.119%
59	7.739	7.732	7.750	VV	51	451	0.10%	0.071%
60	7.763	7.750	7.821	VV	49	1507	0.34%	0.238%
61	7.833	7.821	7.845	VV	35	400	0.09%	0.063%
62	7.857	7.845	7.878	VV	34	498	0.11%	0.079%
63	7.889	7.878	7.915	VV	41	542	0.12%	0.086%
64	7.928	7.915	7.936	VV	30	267	0.06%	0.042%
65	7.945	7.936	7.958	VV	32	279	0.06%	0.044%
66	7.970	7.958	7.986	VV	27	277	0.06%	0.044%
67	7.994	7.986	8.003	VV	21	168	0.04%	0.027%
68	8.023	8.003	8.031	VV	28	343	0.08%	0.054%
69	8.039	8.031	8.047	VV	30	210	0.05%	0.033%
70	8.070	8.047	8.085	VV	39	581	0.13%	0.092%
71	8.093	8.085	8.112	VV	36	412	0.09%	0.065%
72	8.122	8.112	8.148	VV	39	599	0.14%	0.095%
73	8.171	8.148	8.181	VV	45	592	0.13%	0.094%
74	8.189	8.181	8.199	VV	38	379	0.09%	0.060%
75	8.237	8.199	8.244	VV	102	1918	0.43%	0.303%
76	8.253	8.244	8.264	VV	111	1236	0.28%	0.195%
77	8.272	8.264	8.329	VV	119	2774	0.63%	0.439%
78	8.340	8.329	8.395	VV	38	1089	0.25%	0.172%
79	8.417	8.395	8.445	VV	35	681	0.15%	0.108%
80	8.456	8.445	8.472	VV	26	338	0.08%	0.053%
81	8.486	8.472	8.513	VV	47	506	0.11%	0.080%
82	8.531	8.513	8.543	VV	15	231	0.05%	0.036%
83	8.552	8.543	8.575	VV	18	230	0.05%	0.036%
84	8.583	8.575	8.619	PV	24	285	0.06%	0.045%
85	8.631	8.619	8.647	VV	14	132	0.03%	0.021%
86	8.795	8.647	9.030	PV	7531	443776	100.00%	70.186%
87	9.037	9.030	9.102	VB	37	878	0.20%	0.139%
88	9.126	9.105	9.148	BV	9	35	0.01%	0.006%
89	9.157	9.148	9.222	PV	18	368	0.08%	0.058%

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90	9.227	9.222	9.290	PV	17	150	0.03%	0.024%
91	9.302	9.290	9.341	PV	12	264	0.06%	0.042%
92	9.354	9.341	9.366	PV	17	179	0.04%	0.028%
93	9.402	9.366	9.416	VV	32	545	0.12%	0.086%
94	9.438	9.416	9.458	PV	23	309	0.07%	0.049%
95	9.473	9.458	9.483	VV	25	245	0.06%	0.039%
96	9.496	9.483	9.508	VV	18	181	0.04%	0.029%
97	9.521	9.508	9.543	VV	19	304	0.07%	0.048%
98	9.551	9.543	9.569	VV	21	179	0.04%	0.028%
99	9.579	9.569	9.592	VV	16	152	0.03%	0.024%
100	9.608	9.592	9.618	VV	18	195	0.04%	0.031%
101	9.631	9.618	9.653	VV	22	284	0.06%	0.045%
102	9.668	9.653	9.680	PV	22	209	0.05%	0.033%
103	9.709	9.680	9.734	VV	37	583	0.13%	0.092%
104	9.742	9.734	9.747	VV	20	118	0.03%	0.019%
105	9.758	9.747	9.779	VV	25	337	0.08%	0.053%
106	9.789	9.779	9.810	VV	23	328	0.07%	0.052%
107	9.829	9.810	9.844	VV	23	354	0.08%	0.056%
108	9.853	9.844	9.874	VV	23	213	0.05%	0.034%
109	9.892	9.874	9.901	VV	34	338	0.08%	0.053%
110	9.911	9.901	9.933	VV	40	490	0.11%	0.077%
111	9.950	9.933	9.979	VV	28	542	0.12%	0.086%
112	9.994	9.979	10.012	VV	30	363	0.08%	0.057%
113	10.028	10.012	10.049	VV	29	386	0.09%	0.061%
114	10.054	10.049	10.060	PV	10	37	0.01%	0.006%
115	10.079	10.060	10.093	VV	18	231	0.05%	0.036%
116	10.102	10.093	10.112	VV	15	136	0.03%	0.021%
117	10.127	10.112	10.140	VV	26	283	0.06%	0.045%
118	10.178	10.140	10.196	VV	25	540	0.12%	0.085%
119	10.245	10.196	10.260	VV	44	1090	0.25%	0.172%
120	10.316	10.260	10.329	VV	66	2072	0.47%	0.328%
121	10.371	10.329	10.380	VV	88	2210	0.50%	0.350%
122	10.392	10.380	10.416	VV	96	1759	0.40%	0.278%
123	10.423	10.416	10.453	VV	84	1660	0.37%	0.263%
124	10.489	10.453	10.498	VV	99	2100	0.47%	0.332%
125	10.506	10.498	10.557	VV	106	2502	0.56%	0.396%
126	10.631	10.557	10.711	VV	107	5975	1.35%	0.945%
127	10.730	10.711	10.740	VV	31	423	0.10%	0.067%
128	10.769	10.740	10.816	VV	48	1304	0.29%	0.206%
129	10.835	10.816	10.849	VV	29	433	0.10%	0.068%
130	10.859	10.849	10.867	VV	28	220	0.05%	0.035%
131	10.890	10.867	10.900	VV	26	421	0.09%	0.067%
132	10.909	10.900	10.914	VV	31	188	0.04%	0.030%
133	10.924	10.914	10.956	VV	36	661	0.15%	0.104%
134	10.964	10.956	10.976	VV	29	333	0.07%	0.053%
135	10.985	10.976	11.003	VV	29	372	0.08%	0.059%
136	11.054	11.003	11.069	VV	34	828	0.19%	0.131%
137	11.094	11.069	11.103	VV	33	453	0.10%	0.072%
138	11.116	11.103	11.125	PV	26	206	0.05%	0.033%
139	11.137	11.125	11.154	VV	26	359	0.08%	0.057%
140	11.169	11.154	11.178	VV	31	277	0.06%	0.044%
141	11.213	11.178	11.224	VV	26	474	0.11%	0.075%

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142	11.238	11.224	11.269	VV	29	493	0.11%	0.078%
143	11.281	11.269	11.301	VV	19	269	0.06%	0.043%
144	11.315	11.301	11.358	VV	25	611	0.14%	0.097%
145	11.381	11.358	11.390	VV	27	370	0.08%	0.058%
146	11.427	11.390	11.438	VV	28	571	0.13%	0.090%
147	11.451	11.438	11.463	VV	35	381	0.09%	0.060%
148	11.488	11.463	11.496	VV	32	507	0.11%	0.080%
149	11.510	11.496	11.518	VV	44	434	0.10%	0.069%
150	11.541	11.518	11.553	VV	40	673	0.15%	0.106%
151	11.563	11.553	11.571	VV	42	349	0.08%	0.055%
152	11.579	11.571	11.606	VV	36	594	0.13%	0.094%
153	11.620	11.606	11.634	VV	30	360	0.08%	0.057%
154	11.645	11.634	11.658	VV	32	330	0.07%	0.052%
155	11.676	11.658	11.698	VV	32	544	0.12%	0.086%
156	11.707	11.698	11.718	VV	34	334	0.08%	0.053%
157	11.732	11.718	11.752	VV	37	550	0.12%	0.087%
158	11.763	11.752	11.799	VV	31	578	0.13%	0.091%
159	11.837	11.799	11.908	VV	32	1645	0.37%	0.260%
160	11.917	11.908	11.940	VV	21	320	0.07%	0.051%
161	11.978	11.940	11.993	VV	30	581	0.13%	0.092%
162	12.008	11.993	12.063	VV	32	828	0.19%	0.131%
163	12.103	12.063	12.150	VV	41	1129	0.25%	0.179%
164	12.180	12.150	12.199	VV	24	499	0.11%	0.079%
165	12.214	12.199	12.347	VV	25	1656	0.37%	0.262%
166	12.392	12.347	12.492	VV	26	1152	0.26%	0.182%
167	12.542	12.492	12.620	VV	35	1426	0.32%	0.226%
168	12.691	12.620	12.706	VV	39	950	0.21%	0.150%
169	12.725	12.706	12.742	VV	40	590	0.13%	0.093%
170	12.772	12.742	12.840	VV	46	1577	0.36%	0.249%
171	12.894	12.840	12.939	VV	40	1921	0.43%	0.304%
172	13.055	12.939	13.129	VV	106	6737	1.52%	1.066%
173	13.185	13.129	13.335	VV	149	8551	1.93%	1.352%
174	13.348	13.335	13.397	VV	30	671	0.15%	0.106%
175	13.425	13.397	13.480	PV	30	718	0.16%	0.114%
176	13.530	13.480	13.597	VV	33	1377	0.31%	0.218%
177	13.612	13.597	13.626	VV	20	231	0.05%	0.037%
178	13.663	13.626	13.678	VV	26	491	0.11%	0.078%
179	13.694	13.678	13.744	VV	23	598	0.13%	0.095%
180	13.791	13.744	13.822	VV	27	708	0.16%	0.112%
181	13.976	13.822	14.067	VV	190	13476	3.04%	2.131%
182	14.095	14.067	14.262	VV	126	8690	1.96%	1.374%
183	14.279	14.262	14.298	VV	20	282	0.06%	0.045%
184	14.311	14.298	14.372	VV	31	756	0.17%	0.120%
185	14.393	14.372	14.413	VV	22	426	0.10%	0.067%
186	14.439	14.413	14.469	VV	30	637	0.14%	0.101%
187	14.487	14.469	14.510	VV	19	241	0.05%	0.038%
188	14.532	14.510	14.580	VV	27	769	0.17%	0.122%
189	14.601	14.580	14.637	VV	24	391	0.09%	0.062%
190	14.661	14.637	14.700	PV	13	257	0.06%	0.041%
191	14.750	14.700	14.852	VV	24	1160	0.26%	0.184%
192	14.893	14.852	14.947	PV	22	693	0.16%	0.110%
193	15.054	14.947	15.154	VV	39	2765	0.62%	0.437%
194	15.192	15.154	15.205	VV	37	583	0.13%	0.092%

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195	15.251	15.205	15.284	VV	34	1053	0.24%	0.167%
196	15.399	15.284	15.476	VV	99	5604	1.26%	0.886%
197	15.483	15.476	15.596	VV	62	2178	0.49%	0.344%
198	15.658	15.596	15.729	PV	21	773	0.17%	0.122%
199	15.748	15.729	15.795	VV	19	476	0.11%	0.075%
200	15.945	15.795	16.088	VV	49	3926	0.88%	0.621%
201	16.192	16.088	16.308	VV	127	6534	1.47%	1.033%
202	16.317	16.308	16.336	VV	16	208	0.05%	0.033%
203	16.392	16.336	16.409	VV	30	975	0.22%	0.154%
204	16.425	16.409	16.480	VV	34	840	0.19%	0.133%
205	16.491	16.480	16.511	VV	21	235	0.05%	0.037%
206	16.526	16.511	16.547	PV	10	189	0.04%	0.030%
207	16.556	16.547	16.572	VV	19	182	0.04%	0.029%
208	16.635	16.572	16.707	VV	35	1363	0.31%	0.216%
			Sum of corrected areas:			632287		

FB042325.M Wed May 14 09:12:12 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031739.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 11:58
Operator : YP/AJ
Sample : Q1982-07 50X
Misc : 5.46G/5.00 ML MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-8

Integration File: Calibration.e
Quant Time: May 15 04:28:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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	8.794	405245	17.671 ng/ml
	Target Compounds			

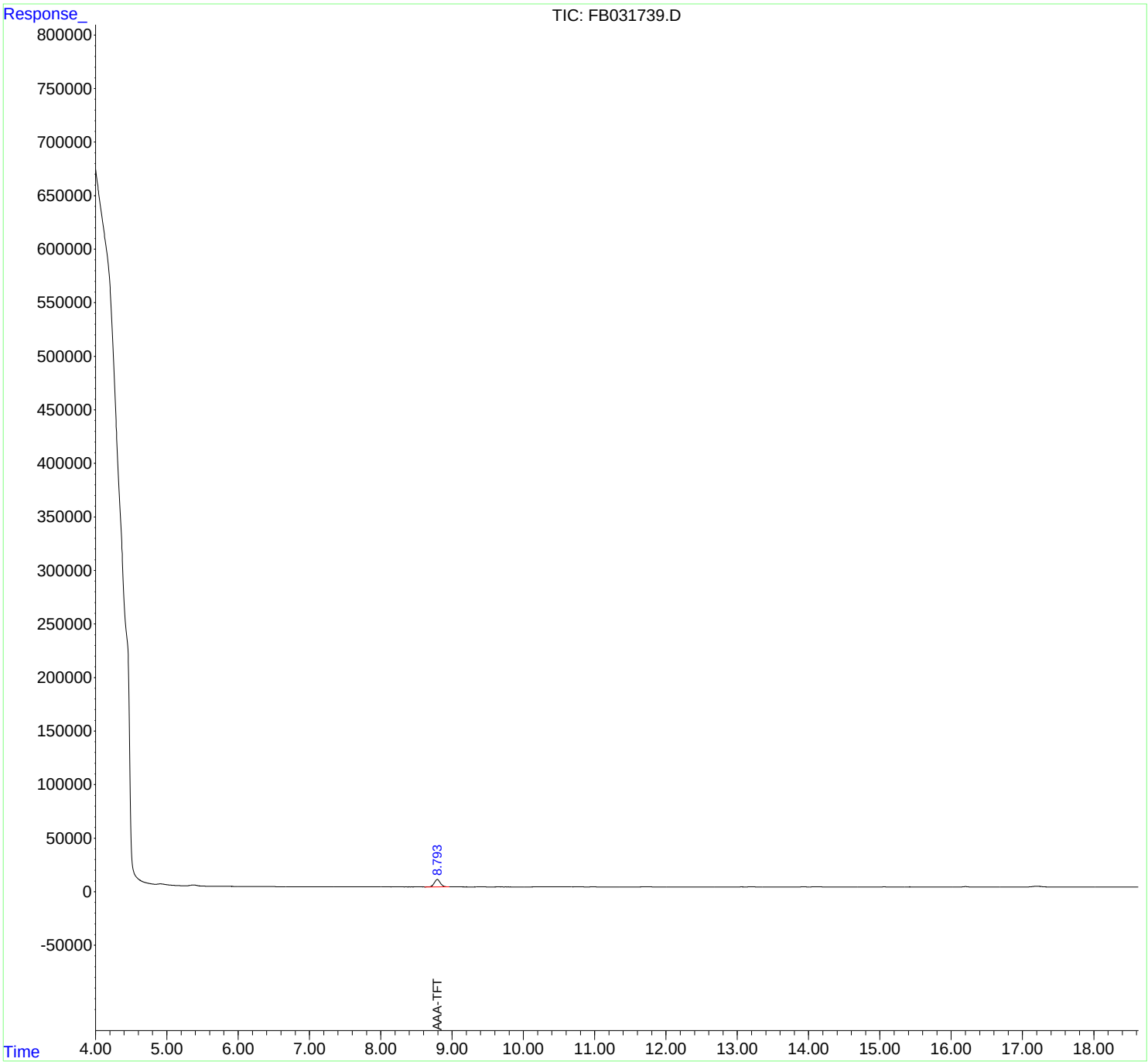
(f)=RT Delta > 1/2 Window (m)=manual int.

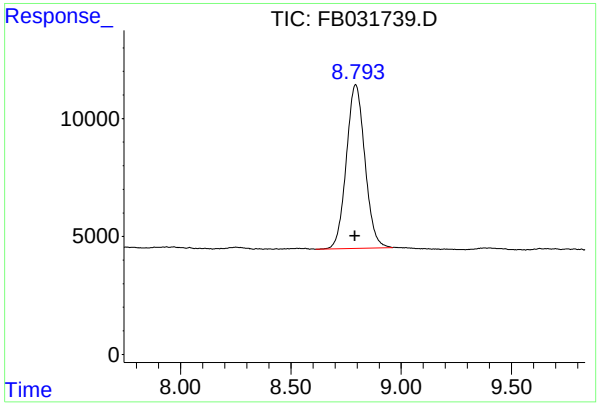
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031739.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 11:58
Operator : YP/AJ
Sample : Q1982-07 50X
Misc : 5.46G/5.00 ML MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-8

Integration File: Calibration.e
Quant Time: May 15 04:28:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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.: 8.794 min
Delta R.T.: 0.002 mi
Response: 405245
Conc: 17.67 ng/m

Instrument :
FID_B
ClientSampleId :
TP-8

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031739.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 11:58
Sample : Q1982-07 50X
Misc : 5.46G/5.00 ML MEOH
ALS Vial : 5 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	5.222	5.214	5.261	PV	23	255	0.06%	0.033%
2	5.667	5.656	5.703	PV	17	217	0.05%	0.028%
3	5.713	5.703	5.756	VV	25	484	0.12%	0.063%
4	5.766	5.756	5.805	PV	22	265	0.06%	0.034%
5	5.817	5.805	5.838	VV	27	325	0.08%	0.042%
6	5.843	5.838	5.888	VV	20	408	0.10%	0.053%
7	5.901	5.888	5.915	VV	33	249	0.06%	0.032%
8	5.924	5.915	5.937	PV	18	140	0.03%	0.018%
9	5.952	5.937	5.981	VV	22	266	0.06%	0.035%
10	5.989	5.981	6.001	PV	16	96	0.02%	0.013%
11	6.018	6.001	6.041	PV	32	490	0.12%	0.064%
12	6.051	6.041	6.104	VV	28	873	0.21%	0.113%
13	6.126	6.104	6.146	VV	51	952	0.23%	0.124%
14	6.157	6.146	6.185	VV	65	1216	0.29%	0.158%
15	6.199	6.185	6.207	VV	71	795	0.19%	0.103%
16	6.213	6.207	6.230	VV	71	724	0.17%	0.094%
17	6.237	6.230	6.265	VV	43	775	0.18%	0.101%
18	6.274	6.265	6.287	VV	40	400	0.10%	0.052%
19	6.373	6.287	6.384	VV	118	4139	0.99%	0.538%
20	6.396	6.384	6.488	VV	106	3618	0.86%	0.470%
21	6.495	6.488	6.542	VV	22	459	0.11%	0.060%
22	6.563	6.542	6.625	PV	23	517	0.12%	0.067%
23	6.633	6.625	6.639	PV	7	41	0.01%	0.005%
24	6.648	6.639	6.695	VV	17	326	0.08%	0.042%
25	6.728	6.695	6.765	VV	24	414	0.10%	0.054%
26	6.775	6.765	6.793	PV	15	138	0.03%	0.018%
27	6.803	6.793	6.815	VV	20	162	0.04%	0.021%
28	6.875	6.815	6.935	VV	45	1854	0.44%	0.241%
29	6.944	6.935	6.970	VV	22	230	0.05%	0.030%
30	6.987	6.970	7.006	VV	14	183	0.04%	0.024%
31	7.055	7.006	7.076	VV	72	1950	0.46%	0.254%
32	7.084	7.076	7.141	VV	79	2311	0.55%	0.300%
33	7.152	7.141	7.193	VV	54	1257	0.30%	0.163%
34	7.203	7.193	7.254	VV	34	619	0.15%	0.081%
35	7.260	7.254	7.270	VV	21	167	0.04%	0.022%
36	7.280	7.270	7.301	VV	33	368	0.09%	0.048%

rteres

37	7.344	7.301	7.368	PV	39	770	0.18%	0.100%
38	7.375	7.368	7.402	VV	38	622	0.15%	0.081%
39	7.418	7.402	7.430	VV	36	520	0.12%	0.068%
40	7.442	7.430	7.452	VV	31	370	0.09%	0.048%
41	7.458	7.452	7.468	VV	30	236	0.06%	0.031%
42	7.481	7.468	7.514	VV	32	465	0.11%	0.060%
43	7.530	7.514	7.555	VV	26	496	0.12%	0.065%
44	7.563	7.555	7.572	VV	26	163	0.04%	0.021%
45	7.584	7.572	7.607	VV	30	346	0.08%	0.045%
46	7.614	7.607	7.641	VV	25	356	0.08%	0.046%
47	7.647	7.641	7.668	VV	33	413	0.10%	0.054%
48	7.678	7.668	7.687	VV	28	286	0.07%	0.037%
49	7.743	7.687	7.784	VV	56	2612	0.62%	0.340%
50	7.791	7.784	7.827	VV	51	864	0.21%	0.112%
51	7.846	7.827	7.856	VV	32	448	0.11%	0.058%
52	7.884	7.856	7.891	VV	62	922	0.22%	0.120%
53	7.938	7.891	7.949	VV	83	2243	0.53%	0.292%
54	7.971	7.949	8.025	VV	80	2707	0.64%	0.352%
55	8.042	8.025	8.065	VV	59	877	0.21%	0.114%
56	8.088	8.065	8.099	VV	33	445	0.11%	0.058%
57	8.112	8.099	8.145	VV	33	489	0.12%	0.064%
58	8.186	8.145	8.196	PV	28	544	0.13%	0.071%
59	8.253	8.196	8.334	VV	85	4067	0.97%	0.529%
60	8.342	8.334	8.350	VV	26	163	0.04%	0.021%
61	8.357	8.350	8.378	VV	22	176	0.04%	0.023%
62	8.386	8.378	8.418	PV	15	221	0.05%	0.029%
63	8.437	8.418	8.460	VV	22	261	0.06%	0.034%
64	8.471	8.460	8.477	VV	18	124	0.03%	0.016%
65	8.529	8.477	8.551	VV	47	1383	0.33%	0.180%
66	8.565	8.551	8.588	VV	45	601	0.14%	0.078%
67	8.603	8.588	8.613	VV	20	191	0.05%	0.025%
68	8.621	8.613	8.628	VV	9	65	0.02%	0.008%
69	8.794	8.628	9.100	VV	6994	419685	100.00%	54.560%
70	9.109	9.100	9.187	VV	43	1396	0.33%	0.181%
71	9.197	9.187	9.273	VB	28	759	0.18%	0.099%
72	9.377	9.274	9.390	BV	81	2457	0.59%	0.319%
73	9.400	9.390	9.441	VV	85	2135	0.51%	0.277%
74	9.449	9.441	9.522	VV	58	1547	0.37%	0.201%
75	9.537	9.522	9.564	VV	16	271	0.06%	0.035%
76	9.605	9.564	9.613	VV	49	641	0.15%	0.083%
77	9.629	9.613	9.643	VV	75	1023	0.24%	0.133%
78	9.666	9.643	9.683	VV	71	1409	0.34%	0.183%
79	9.699	9.683	9.728	VV	66	1337	0.32%	0.174%
80	9.756	9.728	9.768	VV	58	1111	0.26%	0.144%
81	9.786	9.768	9.808	VV	61	1140	0.27%	0.148%
82	9.819	9.808	9.852	VV	57	895	0.21%	0.116%
83	9.861	9.852	9.876	VV	26	267	0.06%	0.035%
84	9.887	9.876	9.897	VV	24	225	0.05%	0.029%
85	9.911	9.897	9.935	VV	21	347	0.08%	0.045%
86	9.947	9.935	9.990	VV	20	265	0.06%	0.034%
87	10.004	9.990	10.015	PV	12	107	0.03%	0.014%
88	10.031	10.015	10.077	VV	20	369	0.09%	0.048%
89	10.185	10.077	10.267	VV	170	12089	2.88%	1.572%

rteres

90	10.277	10.267	10.285	VV	129	1325	0.32%	0.172%
91	10.319	10.285	10.353	VV	158	5698	1.36%	0.741%
92	10.359	10.353	10.367	VV	118	992	0.24%	0.129%
93	10.384	10.367	10.418	VV	124	3685	0.88%	0.479%
94	10.505	10.418	10.571	VV	198	14297	3.41%	1.859%
95	10.630	10.571	10.697	VV	237	12997	3.10%	1.690%
96	10.782	10.697	10.908	VV	243	17164	4.09%	2.231%
97	10.980	10.908	11.008	VV	138	6353	1.51%	0.826%
98	11.016	11.008	11.101	VV	112	3177	0.76%	0.413%
99	11.132	11.101	11.140	VV	59	974	0.23%	0.127%
100	11.147	11.140	11.164	VV	53	621	0.15%	0.081%
101	11.189	11.164	11.220	VV	48	1119	0.27%	0.145%
102	11.253	11.220	11.281	VV	41	1017	0.24%	0.132%
103	11.305	11.281	11.315	PV	26	248	0.06%	0.032%
104	11.330	11.315	11.353	PV	16	222	0.05%	0.029%
105	11.453	11.353	11.478	VV	57	2570	0.61%	0.334%
106	11.489	11.478	11.498	VV	60	621	0.15%	0.081%
107	11.508	11.498	11.515	VV	62	597	0.14%	0.078%
108	11.524	11.515	11.550	VV	64	1096	0.26%	0.143%
109	11.619	11.550	11.631	VV	89	3090	0.74%	0.402%
110	11.726	11.631	11.828	VV	219	18276	4.35%	2.376%
111	11.838	11.828	11.863	VV	87	1771	0.42%	0.230%
112	11.874	11.863	11.960	VV	90	2907	0.69%	0.378%
113	11.979	11.960	11.999	VV	39	557	0.13%	0.072%
114	12.011	11.999	12.018	VV	33	304	0.07%	0.040%
115	12.068	12.018	12.086	VV	63	1958	0.47%	0.255%
116	12.094	12.086	12.165	VV	51	1747	0.42%	0.227%
117	12.181	12.165	12.228	VV	30	614	0.15%	0.080%
118	12.239	12.228	12.251	PV	12	77	0.02%	0.010%
119	12.262	12.251	12.290	VV	13	189	0.05%	0.025%
120	12.306	12.290	12.323	VV	19	204	0.05%	0.027%
121	12.329	12.323	12.339	VV	11	78	0.02%	0.010%
122	12.357	12.339	12.389	VV	19	303	0.07%	0.039%
123	12.402	12.389	12.411	VV	21	141	0.03%	0.018%
124	12.422	12.411	12.456	VV	18	325	0.08%	0.042%
125	12.480	12.456	12.496	VV	34	324	0.08%	0.042%
126	12.521	12.496	12.534	VV	44	374	0.09%	0.049%
127	12.554	12.534	12.572	VV	19	234	0.06%	0.030%
128	12.598	12.572	12.614	VV	21	339	0.08%	0.044%
129	12.624	12.614	12.633	VV	30	268	0.06%	0.035%
130	12.644	12.633	12.676	VV	45	635	0.15%	0.083%
131	12.762	12.676	12.824	VV	83	4112	0.98%	0.535%
132	12.845	12.824	12.854	VV	33	526	0.13%	0.068%
133	12.859	12.854	12.879	VV	26	317	0.08%	0.041%
134	12.897	12.879	12.911	VV	28	483	0.12%	0.063%
135	13.066	12.911	13.108	VV	144	9476	2.26%	1.232%
136	13.115	13.108	13.124	VV	73	642	0.15%	0.083%
137	13.194	13.124	13.314	VV	334	18669	4.45%	2.427%
138	13.323	13.314	13.336	VV	37	361	0.09%	0.047%
139	13.346	13.336	13.358	VV	31	306	0.07%	0.040%
140	13.373	13.358	13.419	VV	27	728	0.17%	0.095%
141	13.426	13.419	13.471	VV	25	584	0.14%	0.076%

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142	13.481	13.471	13.486	VV	20	146	0.03%	0.019%
143	13.562	13.486	13.581	VV	54	1995	0.48%	0.259%
144	13.599	13.581	13.618	VV	44	576	0.14%	0.075%
145	13.633	13.618	13.644	VV	26	243	0.06%	0.032%
146	13.660	13.644	13.677	VV	20	249	0.06%	0.032%
147	13.693	13.677	13.724	VV	21	464	0.11%	0.060%
148	13.736	13.724	13.750	VV	38	408	0.10%	0.053%
149	13.759	13.750	13.764	VV	27	197	0.05%	0.026%
150	13.772	13.764	13.780	VV	34	253	0.06%	0.033%
151	13.928	13.780	13.990	VV	221	13185	3.14%	1.714%
152	13.999	13.990	14.009	VV	101	1087	0.26%	0.141%
153	14.111	14.009	14.257	VV	254	23315	5.56%	3.031%
154	14.266	14.257	14.279	VV	45	457	0.11%	0.059%
155	14.358	14.279	14.368	VV	67	2363	0.56%	0.307%
156	14.384	14.368	14.400	VV	54	958	0.23%	0.125%
157	14.413	14.400	14.458	VV	59	1493	0.36%	0.194%
158	14.467	14.458	14.488	VV	25	381	0.09%	0.050%
159	14.498	14.488	14.508	VV	35	279	0.07%	0.036%
160	14.532	14.508	14.548	VV	24	481	0.11%	0.063%
161	14.558	14.548	14.575	VV	30	368	0.09%	0.048%
162	14.584	14.575	14.612	VV	20	329	0.08%	0.043%
163	14.630	14.612	14.638	VV	34	315	0.08%	0.041%
164	14.644	14.638	14.658	VV	28	262	0.06%	0.034%
165	14.668	14.658	14.698	VV	29	422	0.10%	0.055%
166	14.714	14.698	14.725	VV	29	298	0.07%	0.039%
167	14.776	14.725	14.786	PV	17	420	0.10%	0.055%
168	14.804	14.786	14.823	VV	32	407	0.10%	0.053%
169	14.842	14.823	14.854	VV	28	379	0.09%	0.049%
170	14.866	14.854	14.904	VV	40	736	0.18%	0.096%
171	14.914	14.904	14.929	VV	30	345	0.08%	0.045%
172	14.939	14.929	14.958	VV	27	348	0.08%	0.045%
173	14.988	14.958	14.996	VV	48	706	0.17%	0.092%
174	15.055	14.996	15.120	VV	167	7419	1.77%	0.965%
175	15.129	15.120	15.156	VV	53	933	0.22%	0.121%
176	15.174	15.156	15.189	VV	52	876	0.21%	0.114%
177	15.214	15.189	15.223	VV	53	958	0.23%	0.125%
178	15.235	15.223	15.244	VV	54	605	0.14%	0.079%
179	15.252	15.244	15.271	VV	48	588	0.14%	0.076%
180	15.292	15.271	15.300	VV	35	550	0.13%	0.072%
181	15.333	15.300	15.341	VV	51	961	0.23%	0.125%
182	15.392	15.341	15.402	VV	99	2525	0.60%	0.328%
183	15.418	15.402	15.475	VV	122	4332	1.03%	0.563%
184	15.500	15.475	15.565	VV	105	4147	0.99%	0.539%
185	15.573	15.565	15.587	VV	50	454	0.11%	0.059%
186	15.612	15.587	15.631	VV	53	943	0.22%	0.123%
187	15.641	15.631	15.676	VV	51	1079	0.26%	0.140%
188	15.684	15.676	15.700	VV	43	524	0.12%	0.068%
189	15.717	15.700	15.731	VV	52	816	0.19%	0.106%
190	15.787	15.731	15.796	VV	79	2247	0.54%	0.292%
191	15.808	15.796	15.821	VV	80	1039	0.25%	0.135%
192	15.836	15.821	15.845	VV	77	1069	0.25%	0.139%
193	15.853	15.845	15.890	VV	88	2010	0.48%	0.261%
194	15.933	15.890	15.957	VV	94	3350	0.80%	0.435%

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195	15.967	15.957	16.036	VV	86	2660	0.63%	0.346%
196	16.044	16.036	16.082	VV	39	699	0.17%	0.091%
197	16.091	16.082	16.108	VV	27	269	0.06%	0.035%
198	16.195	16.108	16.274	VV	358	17002	4.05%	2.210%
199	16.279	16.274	16.305	VV	73	1101	0.26%	0.143%
200	16.310	16.305	16.346	VV	56	1219	0.29%	0.158%
201	16.382	16.346	16.464	VV	66	3201	0.76%	0.416%
202	16.477	16.464	16.492	VV	38	297	0.07%	0.039%
203	16.512	16.492	16.527	VV	29	383	0.09%	0.050%
204	16.537	16.527	16.552	VV	33	378	0.09%	0.049%
205	16.563	16.552	16.576	VV	38	392	0.09%	0.051%
206	16.614	16.576	16.625	VV	37	696	0.17%	0.090%
207	16.632	16.625	16.646	VV	36	377	0.09%	0.049%
208	16.656	16.646	16.695	VV	31	597	0.14%	0.078%
209	16.726	16.695	16.739	PV	24	217	0.05%	0.028%
210	16.761	16.739	16.787	VV	17	213	0.05%	0.028%
211	16.873	16.787	16.909	PV	20	537	0.13%	0.070%
212	16.928	16.909	16.951	VV	12	213	0.05%	0.028%
213	16.973	16.951	16.987	VV	16	173	0.04%	0.022%
			Sum of corrected areas:			769211		

FB042325.M Thu May 15 04:53:11 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031716.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 15:53
Operator : YP/AJ
Sample : Q1982-08
Misc : 5.80G/5.00 ML DI WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-9

Integration File: Calibration.e
Quant Time: May 14 07:21:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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	8.794	280146	12.216 ng/ml
Target Compounds				

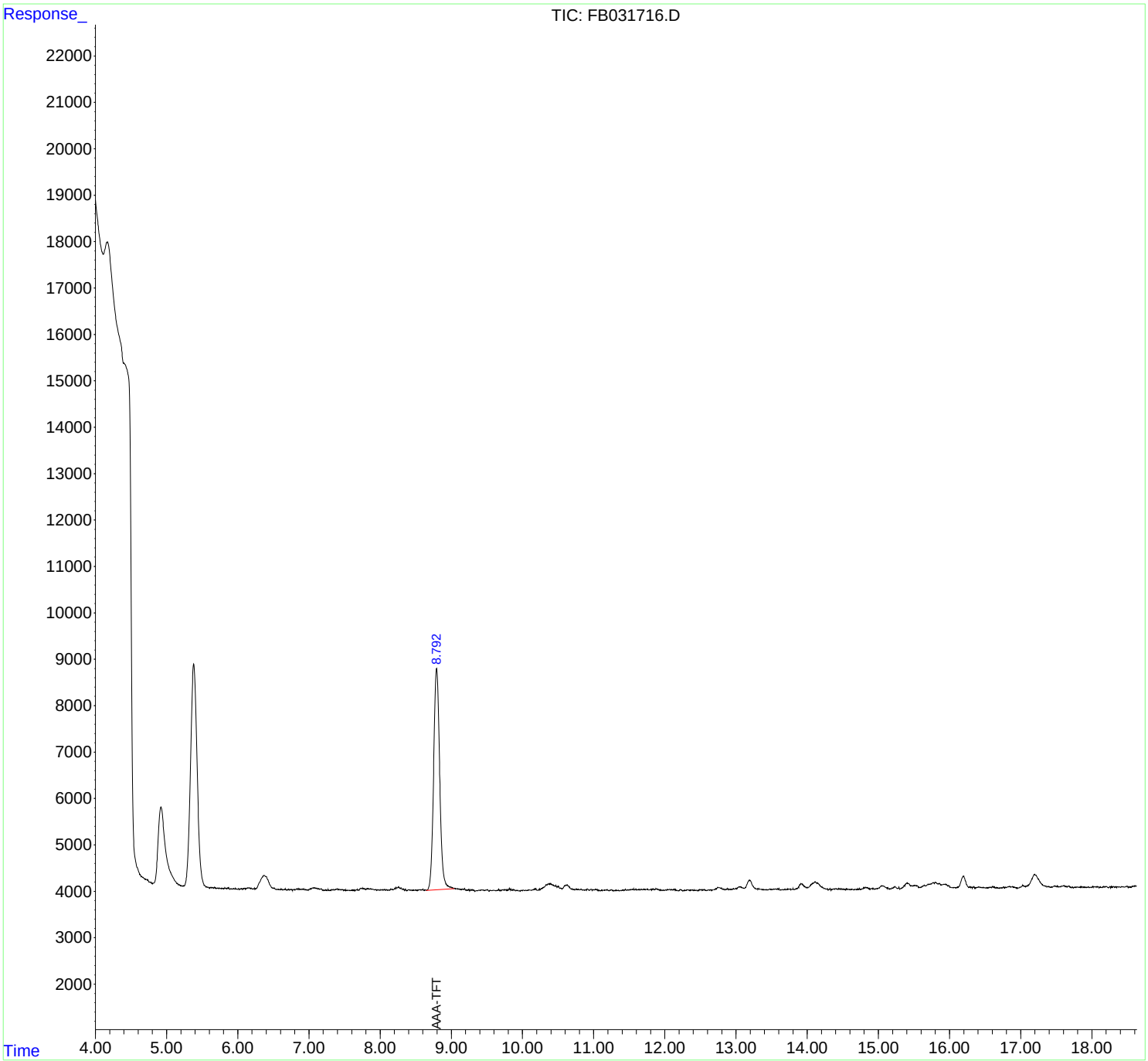
(f)=RT Delta > 1/2 Window (m)=manual int.

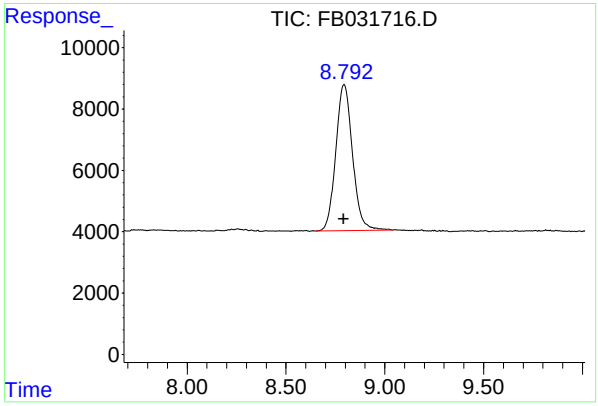
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031716.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 15:53
Operator : YP/AJ
Sample : Q1982-08
Misc : 5.80G/5.00 ML DI WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-9

Integration File: Calibration.e
Quant Time: May 14 07:21:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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.:	8.794 min
Delta R.T.:	0.002 mi
Response:	280146
Conc:	12.22 ng/m

Instrument :
FID_B
ClientSampleId :
TP-9

6

A B C D E F G H I

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031716.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 15:53
Sample : Q1982-08
Misc : 5.80G/5.00 ML DI WATER
ALS Vial : 10 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	5.205	5.198	5.227	VV	10	65	0.02%	0.012%
2	5.236	5.227	5.243	PV	15	67	0.02%	0.012%
3	5.563	5.557	5.575	VV	31	232	0.08%	0.043%
4	5.584	5.575	5.601	VV	21	225	0.08%	0.041%
5	5.653	5.601	5.662	PV	23	528	0.19%	0.097%
6	5.672	5.662	5.696	VV	25	286	0.10%	0.052%
7	5.704	5.696	5.709	PV	11	49	0.02%	0.009%
8	5.717	5.709	5.776	VV	14	370	0.13%	0.068%
9	5.786	5.776	5.809	VV	14	180	0.06%	0.033%
10	5.818	5.809	5.829	VV	26	167	0.06%	0.031%
11	5.835	5.829	5.844	VV	16	123	0.04%	0.023%
12	5.863	5.844	5.893	VV	30	451	0.16%	0.083%
13	5.906	5.893	5.921	PV	11	134	0.05%	0.025%
14	5.930	5.921	5.937	VV	16	90	0.03%	0.016%
15	5.946	5.937	5.962	VV	18	177	0.06%	0.032%
16	5.968	5.962	5.996	VV	23	195	0.07%	0.036%
17	6.010	5.996	6.024	PV	19	153	0.05%	0.028%
18	6.049	6.024	6.068	VV	23	344	0.12%	0.063%
19	6.090	6.068	6.115	VV	31	613	0.22%	0.112%
20	6.147	6.115	6.157	VV	43	795	0.28%	0.146%
21	6.167	6.157	6.180	VV	40	461	0.16%	0.084%
22	6.190	6.180	6.211	VV	36	435	0.15%	0.080%
23	6.370	6.211	6.391	VV	313	16326	5.75%	2.994%
24	6.399	6.391	6.543	VV	288	10621	3.74%	1.948%
25	6.555	6.543	6.598	VV	20	470	0.17%	0.086%
26	6.621	6.598	6.632	VV	26	290	0.10%	0.053%
27	6.669	6.632	6.697	VV	30	473	0.17%	0.087%
28	6.716	6.697	6.729	VV	20	267	0.09%	0.049%
29	6.752	6.729	6.769	VV	24	319	0.11%	0.058%
30	6.796	6.769	6.805	PV	23	288	0.10%	0.053%
31	6.848	6.838	6.857	VV	42	349	0.12%	0.064%
32	6.864	6.857	6.875	VV	38	289	0.10%	0.053%
33	6.888	6.875	6.897	VV	25	285	0.10%	0.052%
34	6.926	6.897	6.978	VV	35	949	0.33%	0.174%
35	7.024	6.978	7.034	VV	46	805	0.28%	0.148%
36	7.051	7.034	7.059	VV	57	719	0.25%	0.132%

rteres

37	7.066	7.059	7.129	VV	59	2123	0.75%	0.389%
38	7.136	7.129	7.160	VV	45	651	0.23%	0.119%
39	7.174	7.160	7.192	VV	39	537	0.19%	0.099%
40	7.201	7.192	7.210	VV	15	104	0.04%	0.019%
41	7.233	7.210	7.250	VV	18	201	0.07%	0.037%
42	7.270	7.250	7.295	VV	20	229	0.08%	0.042%
43	7.305	7.295	7.312	VV	12	72	0.03%	0.013%
44	7.322	7.312	7.337	VV	24	270	0.10%	0.050%
45	7.347	7.337	7.357	VV	26	259	0.09%	0.048%
46	7.399	7.357	7.454	VV	41	1515	0.53%	0.278%
47	7.460	7.454	7.467	VV	27	179	0.06%	0.033%
48	7.475	7.467	7.485	VV	27	227	0.08%	0.042%
49	7.493	7.485	7.519	VV	24	256	0.09%	0.047%
50	7.527	7.519	7.538	PV	11	62	0.02%	0.011%
51	7.543	7.538	7.585	VV	12	226	0.08%	0.041%
52	7.601	7.585	7.611	VV	19	145	0.05%	0.027%
53	7.617	7.611	7.647	VV	15	200	0.07%	0.037%
54	7.666	7.647	7.674	VV	22	239	0.08%	0.044%
55	7.683	7.674	7.698	VV	26	265	0.09%	0.049%
56	7.736	7.698	7.797	VV	53	2343	0.83%	0.430%
57	7.832	7.797	7.846	VV	49	1163	0.41%	0.213%
58	7.870	7.846	7.880	VV	44	813	0.29%	0.149%
59	7.889	7.880	7.953	VV	37	1130	0.40%	0.207%
60	7.982	7.953	7.994	VV	22	380	0.13%	0.070%
61	8.034	7.994	8.044	VV	25	521	0.18%	0.096%
62	8.058	8.044	8.078	VV	32	384	0.14%	0.070%
63	8.086	8.078	8.114	VV	23	316	0.11%	0.058%
64	8.122	8.114	8.130	VV	18	129	0.05%	0.024%
65	8.163	8.130	8.186	VV	36	824	0.29%	0.151%
66	8.226	8.186	8.239	VV	75	1533	0.54%	0.281%
67	8.257	8.239	8.287	VV	84	1913	0.67%	0.351%
68	8.295	8.287	8.314	VV	63	727	0.26%	0.133%
69	8.326	8.314	8.347	VV	44	514	0.18%	0.094%
70	8.358	8.347	8.371	VV	36	246	0.09%	0.045%
71	8.400	8.371	8.422	PV	23	346	0.12%	0.064%
72	8.438	8.422	8.457	VV	15	216	0.08%	0.040%
73	8.467	8.457	8.486	VV	14	152	0.05%	0.028%
74	8.499	8.486	8.528	VV	13	231	0.08%	0.042%
75	8.558	8.528	8.586	VV	19	452	0.16%	0.083%
76	8.605	8.586	8.619	VV	26	278	0.10%	0.051%
77	8.637	8.619	8.656	PV	11	163	0.06%	0.030%
78	8.794	8.656	9.041	VV	4779	283718	100.00%	52.027%
79	9.050	9.041	9.072	VV	35	526	0.19%	0.097%
80	9.079	9.072	9.144	VB	25	651	0.23%	0.119%
81	9.188	9.146	9.235	BV	28	431	0.15%	0.079%
82	9.253	9.235	9.268	VV	27	267	0.09%	0.049%
83	9.279	9.268	9.329	PV	29	634	0.22%	0.116%
84	9.356	9.329	9.369	PV	15	224	0.08%	0.041%
85	9.389	9.369	9.402	VV	23	379	0.13%	0.069%
86	9.444	9.402	9.468	VV	30	984	0.35%	0.180%
87	9.507	9.468	9.532	VV	35	849	0.30%	0.156%
88	9.549	9.532	9.577	PV	25	412	0.15%	0.076%
89	9.589	9.577	9.646	VV	24	728	0.26%	0.134%

rteres

90	9.661	9.646	9.685	VV	40	535	0.19%	0.098%
91	9.720	9.685	9.750	VV	32	944	0.33%	0.173%
92	9.761	9.750	9.773	VV	40	441	0.16%	0.081%
93	9.781	9.773	9.798	VV	39	366	0.13%	0.067%
94	9.815	9.798	9.858	VV	62	1284	0.45%	0.235%
95	9.868	9.858	9.904	VV	43	738	0.26%	0.135%
96	9.912	9.904	9.919	VV	19	120	0.04%	0.022%
97	9.932	9.919	9.945	VV	24	233	0.08%	0.043%
98	9.958	9.945	9.969	VV	9	111	0.04%	0.020%
99	9.983	9.969	10.000	PV	18	255	0.09%	0.047%
100	10.010	10.000	10.029	VV	27	343	0.12%	0.063%
101	10.097	10.029	10.112	VV	30	1026	0.36%	0.188%
102	10.115	10.112	10.127	VV	25	196	0.07%	0.036%
103	10.177	10.127	10.219	VV	51	1812	0.64%	0.332%
104	10.240	10.219	10.249	VV	52	596	0.21%	0.109%
105	10.335	10.249	10.345	VV	143	4924	1.74%	0.903%
106	10.378	10.345	10.460	VV	162	9758	3.44%	1.789%
107	10.467	10.460	10.486	VV	126	1665	0.59%	0.305%
108	10.503	10.486	10.526	VV	111	2176	0.77%	0.399%
109	10.535	10.526	10.556	VV	69	1081	0.38%	0.198%
110	10.616	10.556	10.625	VV	132	4094	1.44%	0.751%
111	10.631	10.625	10.741	VV	135	4707	1.66%	0.863%
112	10.758	10.741	10.772	VV	54	710	0.25%	0.130%
113	10.790	10.772	10.808	VV	41	755	0.27%	0.138%
114	10.825	10.808	10.855	VV	45	897	0.32%	0.165%
115	10.863	10.855	10.872	VV	28	240	0.08%	0.044%
116	10.880	10.872	10.887	VV	27	226	0.08%	0.041%
117	10.914	10.887	10.936	VV	48	976	0.34%	0.179%
118	10.966	10.936	10.978	VV	43	757	0.27%	0.139%
119	10.999	10.978	11.009	VV	30	482	0.17%	0.088%
120	11.025	11.009	11.062	VV	41	931	0.33%	0.171%
121	11.069	11.062	11.101	VV	24	321	0.11%	0.059%
122	11.112	11.101	11.123	VV	25	194	0.07%	0.036%
123	11.191	11.123	11.219	VV	35	1129	0.40%	0.207%
124	11.251	11.219	11.284	VV	31	693	0.24%	0.127%
125	11.313	11.284	11.356	VV	23	556	0.20%	0.102%
126	11.448	11.356	11.484	VV	41	1391	0.49%	0.255%
127	11.550	11.484	11.578	VV	37	1701	0.60%	0.312%
128	11.593	11.578	11.632	VV	39	967	0.34%	0.177%
129	11.639	11.632	11.688	VV	40	1046	0.37%	0.192%
130	11.754	11.688	11.782	VV	38	1906	0.67%	0.350%
131	11.877	11.782	11.963	VV	49	3415	1.20%	0.626%
132	11.977	11.963	11.989	VV	26	255	0.09%	0.047%
133	12.070	11.989	12.084	VV	38	1402	0.49%	0.257%
134	12.096	12.084	12.123	VV	28	651	0.23%	0.119%
135	12.133	12.123	12.194	VV	32	791	0.28%	0.145%
136	12.218	12.194	12.255	VV	32	637	0.22%	0.117%
137	12.324	12.255	12.365	PV	27	1023	0.36%	0.188%
138	12.374	12.365	12.426	VV	20	554	0.20%	0.102%
139	12.439	12.426	12.472	VV	14	288	0.10%	0.053%
140	12.509	12.472	12.536	VV	29	703	0.25%	0.129%
141	12.555	12.536	12.592	VV	27	521	0.18%	0.096%

rteres

142	12.645	12.592	12.670	VV	23	804	0.28%	0.148%
143	12.746	12.670	12.851	VV	74	4601	1.62%	0.844%
144	12.884	12.851	12.907	VV	40	1009	0.36%	0.185%
145	13.060	12.907	13.116	VV	85	6441	2.27%	1.181%
146	13.193	13.116	13.311	VV	229	12911	4.55%	2.368%
147	13.321	13.311	13.439	VV	41	1697	0.60%	0.311%
148	13.474	13.439	13.506	VV	29	877	0.31%	0.161%
149	13.553	13.506	13.633	VV	32	1799	0.63%	0.330%
150	13.687	13.633	13.699	VV	27	601	0.21%	0.110%
151	13.762	13.699	13.787	VV	30	1108	0.39%	0.203%
152	13.917	13.787	14.009	VV	141	8982	3.17%	1.647%
153	14.110	14.009	14.297	VV	186	16285	5.74%	2.986%
154	14.321	14.297	14.350	VV	31	409	0.14%	0.075%
155	14.401	14.350	14.434	VV	31	1135	0.40%	0.208%
156	14.447	14.434	14.465	VV	31	417	0.15%	0.077%
157	14.479	14.465	14.543	VV	33	774	0.27%	0.142%
158	14.553	14.543	14.604	VV	34	527	0.19%	0.097%
159	14.636	14.604	14.660	PV	18	279	0.10%	0.051%
160	14.824	14.660	14.885	VV	56	3042	1.07%	0.558%
161	14.925	14.885	14.959	VV	38	841	0.30%	0.154%
162	15.058	14.959	15.178	VV	85	5592	1.97%	1.025%
163	15.234	15.178	15.272	VV	65	2074	0.73%	0.380%
164	15.289	15.272	15.306	VV	44	506	0.18%	0.093%
165	15.404	15.306	15.480	VV	138	8399	2.96%	1.540%
166	15.512	15.480	15.586	VV	86	4332	1.53%	0.794%
167	15.648	15.586	15.662	VV	90	2822	0.99%	0.517%
168	15.772	15.662	15.790	VV	139	8291	2.92%	1.520%
169	15.806	15.790	15.849	VV	137	4447	1.57%	0.815%
170	15.857	15.849	15.886	VV	124	2394	0.84%	0.439%
171	15.943	15.886	16.055	VV	105	6990	2.46%	1.282%
172	16.069	16.055	16.094	VV	33	632	0.22%	0.116%
173	16.194	16.094	16.271	VV	272	13389	4.72%	2.455%
174	16.288	16.271	16.323	VV	38	987	0.35%	0.181%
175	16.342	16.323	16.361	VV	49	636	0.22%	0.117%
176	16.415	16.361	16.528	VV	35	2270	0.80%	0.416%
177	16.571	16.528	16.589	VV	30	732	0.26%	0.134%
178	16.608	16.589	16.650	VV	49	1024	0.36%	0.188%
179	16.672	16.650	16.700	VV	19	331	0.12%	0.061%
180	16.758	16.700	16.775	PV	34	493	0.17%	0.090%

Sum of corrected areas: 545329

FB042325.M Wed May 14 09:05:13 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031705.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 9:24
Operator : YP/AJ
Sample : VBF0513S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0513S1

Integration File: Calibration.e
Quant Time: May 14 07:19:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s AAA-TFT	8.793	501449	21.866 ng/ml
Target Compounds			

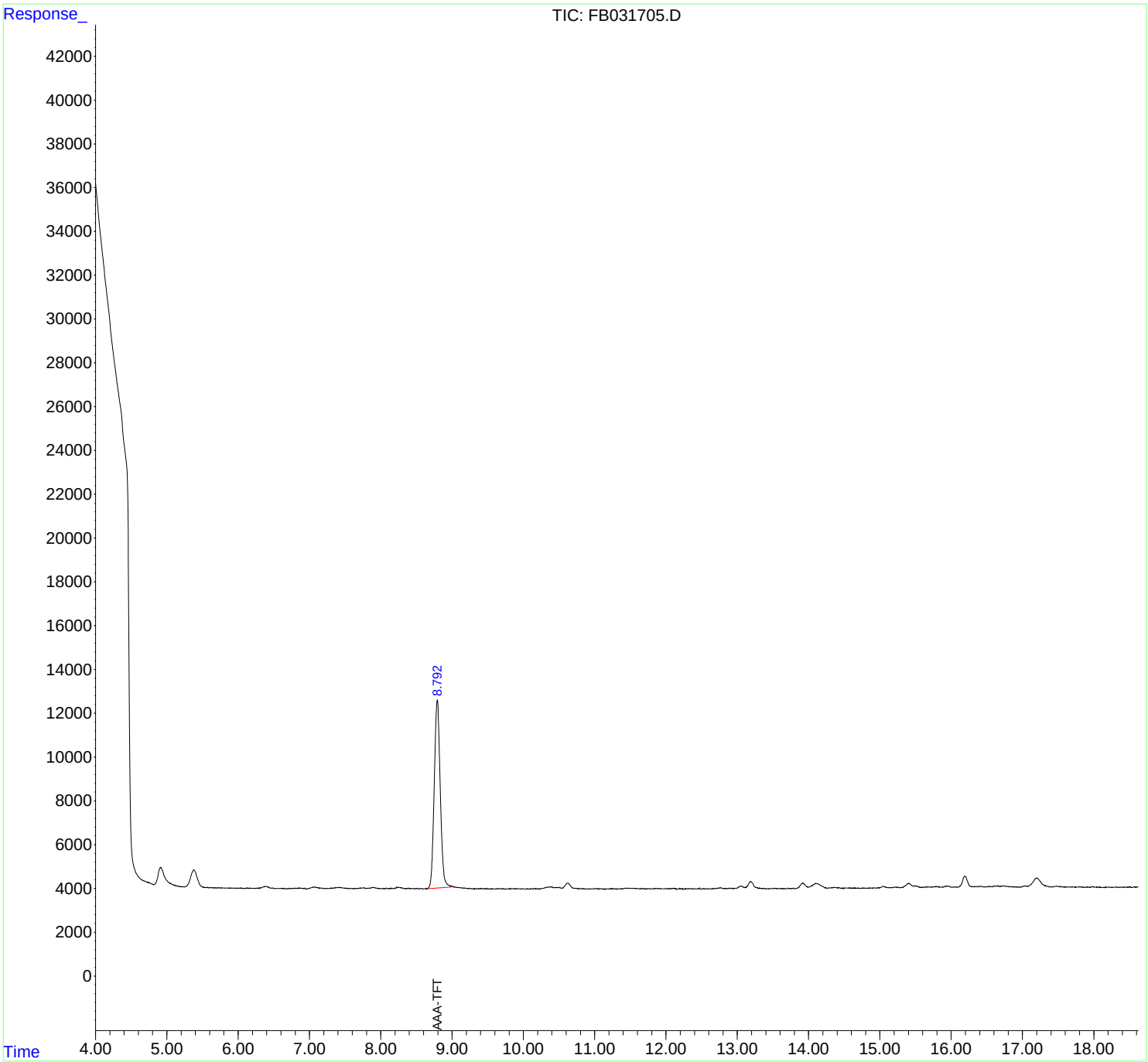
(f)=RT Delta > 1/2 Window (m)=manual int.

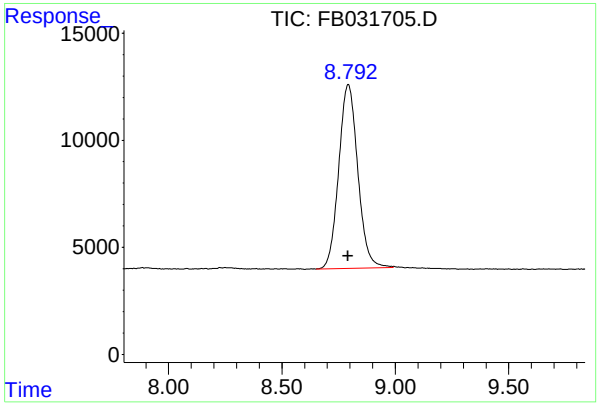
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031705.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 9:24
Operator : YP/AJ
Sample : VBF0513S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0513S1

Integration File: Calibration.e
Quant Time: May 14 07:19:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.:	8.793 min
Delta R.T.:	0.001 mi
Response:	501449
Conc:	21.87 ng/m

Instrument :
FID_B
ClientSampleId :
VBF0513S1

6

A B C D E F G H I

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031705.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 9:24
Sample : VBF0513S1
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\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.793	8.650	8.990	PV	8593	501449	100.00%	100.000%
			Sum of corrected areas:			501449		

FB042325.M Wed May 14 08:55:11 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031737.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 11:04
Operator : YP/AJ
Sample : VBF0514S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0514S2

Integration File: Calibration.e
Quant Time: May 15 04:27:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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	8.795	476478	20.777 ng/ml
Target Compounds			

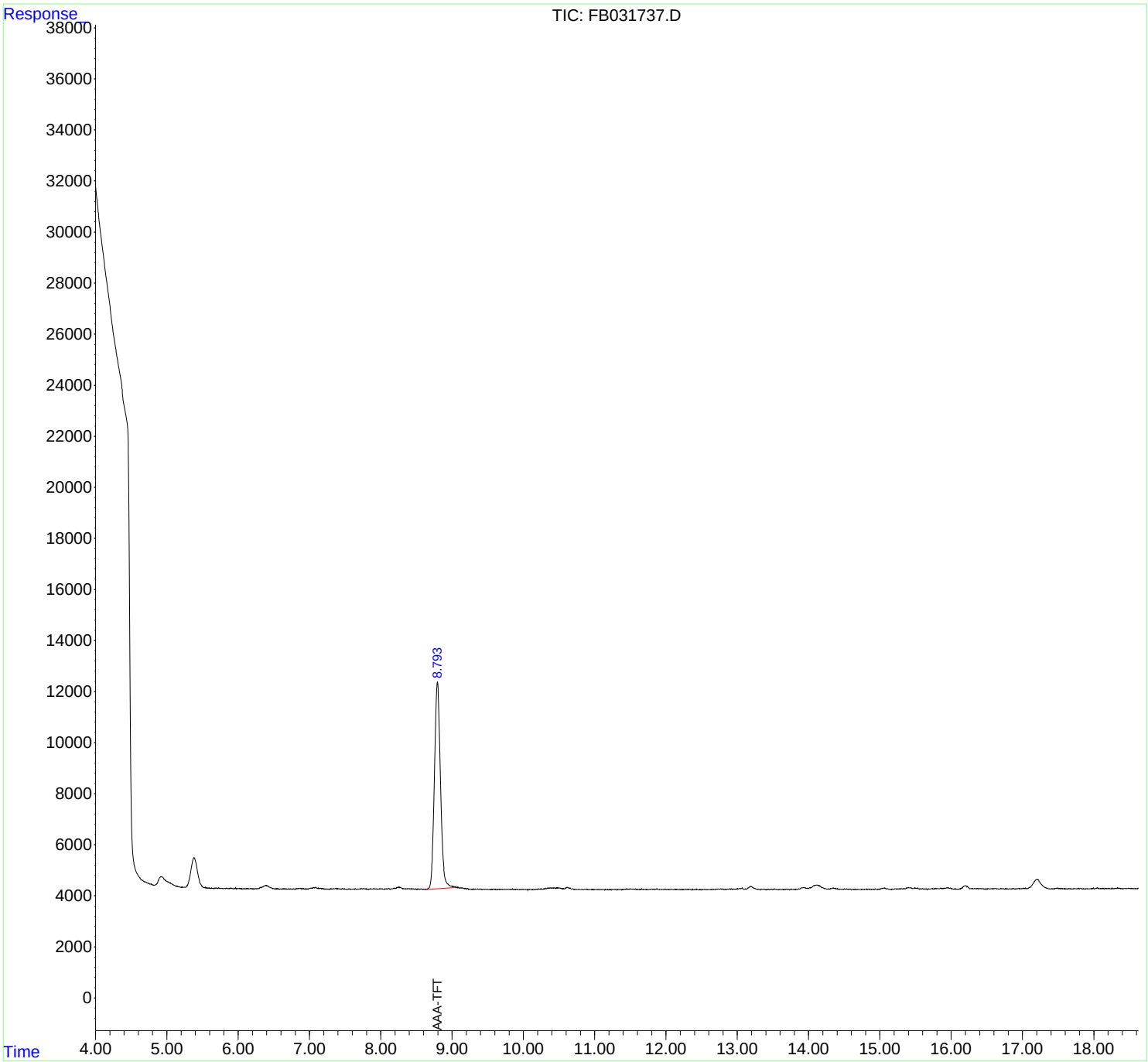
(f)=RT Delta > 1/2 Window (m)=manual int.

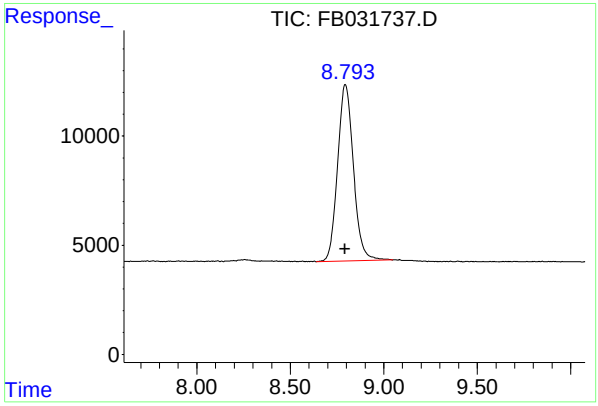
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031737.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 11:04
Operator : YP/AJ
Sample : VBF0514S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0514S2

Integration File: Calibration.e
Quant Time: May 15 04:27:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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.: 8.795 min
Delta R.T.: 0.003 mi
Response: 476478
Conc: 20.78 ng/m

Instrument :
FID_B
ClientSampleId :
VBF0514S2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031737.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 11:04
Sample : VBF0514S2 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\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.795	8.637	9.049	PV	8088	476478	100.00%	100.000%
			Sum of corrected areas:			476478		

FB042325.M Thu May 15 04:48:00 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031707.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 10:19
Operator : YP/AJ
Sample : BSF0513S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0513S1

Integration File: Calibration.e
Quant Time: May 14 07:20:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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	384051	16.747 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.723	1089829	49.044 ng/ml
2) t	2,2,4-Trimethylpentane	7.422	1315988	38.526 ng/ml
3) t	n-Heptane	7.754	406623	13.220 ng/ml
4) t	Benzene	7.894	492316	12.039 ng/ml
6) t	Toluene	10.620	1407176	35.319 ng/ml
7) t	Ethylbenzene	13.056	414691	11.605 ng/ml
8) t	m-Xylene	13.190	913766	23.387 ng/ml
9) t	O-Xylene	13.918	861810	23.391 ng/ml
10) t	1,2,4-Trimethylbenzene	16.193	618292	22.921 ng/ml

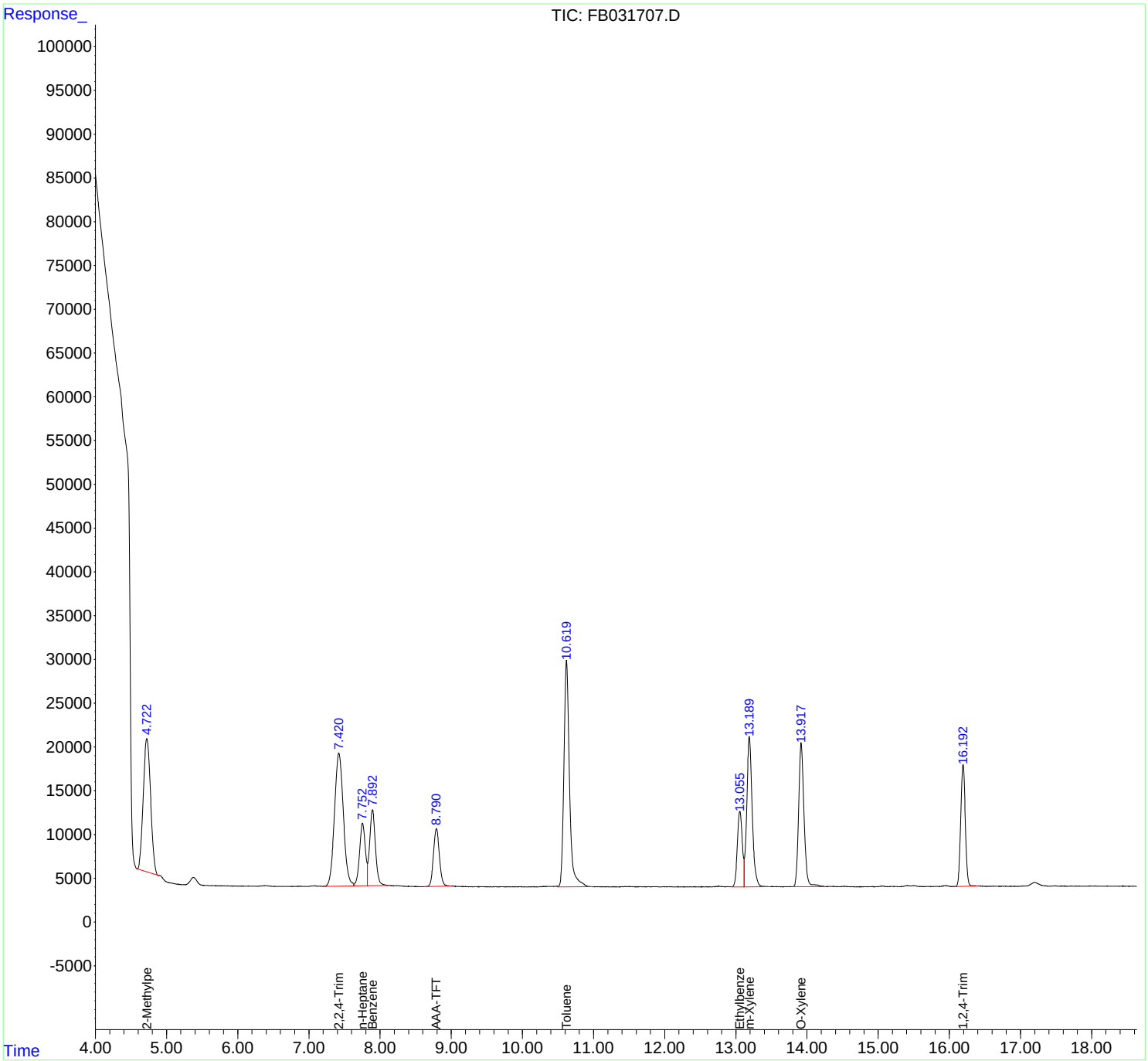
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031707.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 10:19
Operator : YP/AJ
Sample : BSF0513S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0513S1

Integration File: Calibration.e
Quant Time: May 14 07:20:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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\FB051325\
Data File : FB031707.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 10:19
Sample : BSF0513S1
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\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.723	4.576	4.893	BV	15213	1089829	77.45%	13.787%
2	7.422	7.199	7.632	PV	15218	1315988	93.52%	16.648%
3	7.754	7.632	7.823	VV	7158	406623	28.90%	5.144%
4	7.894	7.823	8.117	VV	8683	492316	34.99%	6.228%
5	8.792	8.615	8.999	BV	6604	384051	27.29%	4.859%
6	10.620	10.497	10.995	VV	25923	1407176	100.00%	17.802%
7	13.056	12.933	13.117	VV	8633	414691	29.47%	5.246%
8	13.190	13.117	13.480	VV	17153	913766	64.94%	11.560%
9	13.918	13.778	14.262	BV	16426	861810	61.24%	10.903%
10	16.193	16.041	16.403	PBA	13921	618292	43.94%	7.822%

Sum of corrected areas: 7904542

FB042325.M Wed May 14 08:55:46 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031738.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 11:31
Operator : YP/AJ
Sample : BSF0514S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0514S1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File: Calibration.e
Quant Time: May 15 04:28:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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	8.795	545384	23.782	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.726	917282	41.279	ng/mlm
2) t	2,2,4-Trimethylpentane	7.428	1072976	31.412	ng/ml
3) t	n-Heptane	7.757	350797	11.405	ng/ml
4) t	Benzene	7.897	410257	10.033	ng/ml
6) t	Toluene	10.624	1163472	29.202	ng/ml
7) t	Ethylbenzene	13.061	335433	9.387	ng/ml
8) t	m-Xylene	13.194	744833	19.063	ng/ml
9) t	O-Xylene	13.922	690451	18.740	ng/ml
10) t	1,2,4-Trimethylbenzene	16.196	468364	17.363	ng/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031738.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 11:31
Operator : YP/AJ
Sample : BSF0514S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

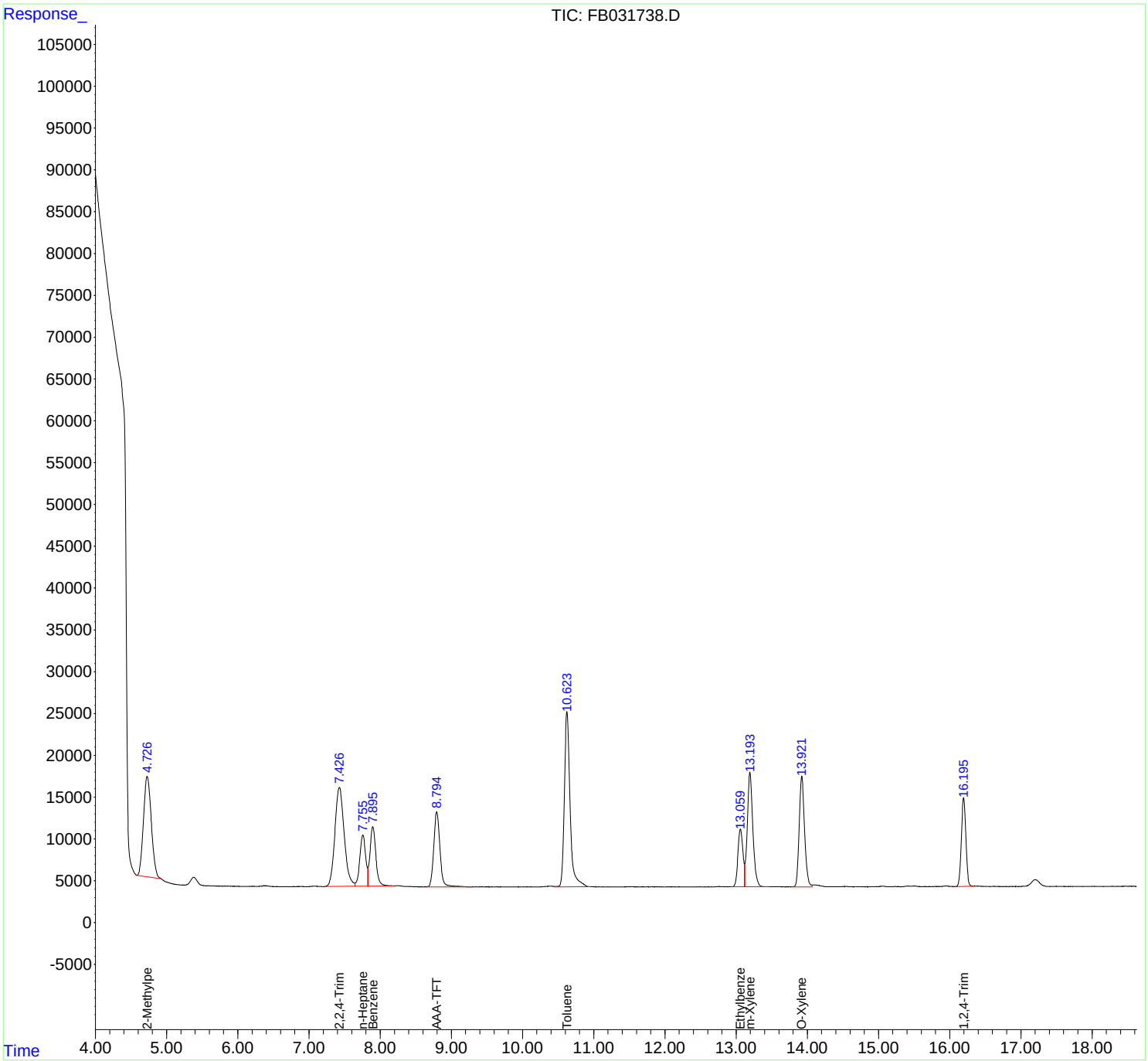
Integration File: Calibration.e
Quant Time: May 15 04:28:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_B
ClientSampleId :
BSF0514S1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025



Instrument :
FID_B
ClientSampleId :
BSF0514S1

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB0514
Data File : FB031738.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 11:31
Sample : BSF0514S1
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\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.728	4.571	5.208	BV	12078	931785	80.09%	13.879%
2	7.428	7.226	7.646	PV	11830	1072976	92.22%	15.982%
3	7.757	7.646	7.827	VV	6119	350797	30.15%	5.225%
4	7.897	7.827	8.200	VV	7107	410257	35.26%	6.111%
5	8.795	8.645	9.291	PV	8989	545384	46.88%	8.123%
6	10.624	10.441	10.952	VV	20958	1163472	100.00%	17.330%
7	13.061	12.931	13.121	PV	6913	335433	28.83%	4.996%
8	13.194	13.121	13.472	VV	13696	744833	64.02%	11.094%
9	13.922	13.767	14.067	BV	13237	690451	59.34%	10.284%
10	16.196	16.066	16.333	PV	10616	468364	40.26%	6.976%

Sum of corrected areas: 6713752

FB042325.M Thu May 15 04:48:20 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031714.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 13:54
Operator : YP/AJ
Sample : BSF0513S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0513S2

Integration File: Calibration.e
Quant Time: May 14 07:21:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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	8.794	481603	21.001 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.725	1185331	53.342 ng/ml
2) t	2,2,4-Trimethylpentane	7.425	1297170	37.975 ng/ml
3) t	n-Heptane	7.756	436833	14.202 ng/ml
4) t	Benzene	7.895	504223	12.331 ng/ml
6) t	Toluene	10.623	1419495	35.628 ng/ml
7) t	Ethylbenzene	13.059	408273	11.425 ng/ml
8) t	m-Xylene	13.192	900568	23.049 ng/ml
9) t	O-Xylene	13.920	838626	22.762 ng/ml
10) t	1,2,4-Trimethylbenzene	16.195	592775	21.975 ng/ml

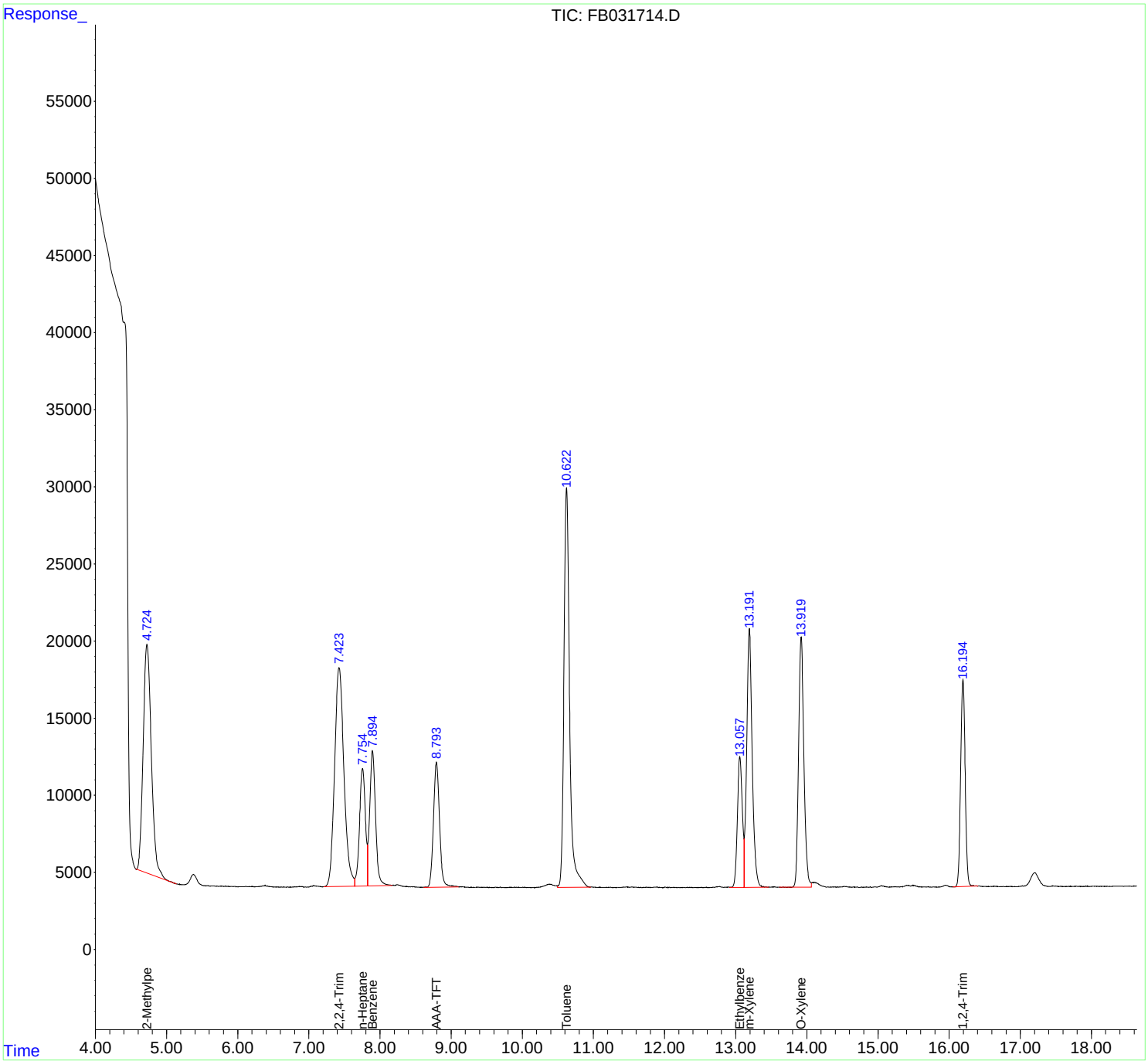
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031714.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 13:54
Operator : YP/AJ
Sample : BSF0513S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0513S2

Integration File: Calibration.e
Quant Time: May 14 07:21:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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



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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031714.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 13:54
Sample : BSF0513S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 12 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.725	4.565	5.139	BV	14820	1185331	83.50%	14.697%
2	7.425	7.206	7.647	BV	14184	1297170	91.38%	16.084%
3	7.756	7.647	7.825	VV	7621	436833	30.77%	5.416%
4	7.895	7.825	8.172	VV	8754	504223	35.52%	6.252%
5	8.794	8.610	9.105	PV	8104	481603	33.93%	5.972%
6	10.623	10.494	10.964	VV	25922	1419495	100.00%	17.601%
7	13.059	12.911	13.119	VV	8475	408273	28.76%	5.062%
8	13.192	13.119	13.466	VB	16775	900568	63.44%	11.167%
9	13.920	13.611	14.065	BV	16229	838626	59.08%	10.398%
10	16.195	16.049	16.403	PBA	13408	592775	41.76%	7.350%

Sum of corrected areas: 8064897

FB042325.M Wed May 14 08:57:43 2025

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Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
50 GRO STD		FB031641.D	FB042325	2-Methylpentane	mohammad	4/26/2025 2:19:22 AM	Peak Integrated by Software incorrectly
100 GRO STD		FB031642.D	FB042325	2-Methylpentane	mohammad	4/26/2025 2:19:22 AM	Peak Integrated by Software incorrectly
FB042325GROICV		FB031643.D	FB042325	2-Methylpentane	mohammad	4/26/2025 2:19:22 AM	Peak Integrated by Software incorrectly

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

Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
20 PPB GRO STD		FB031704.D	FB051325	2-Methylpentane	mohammad	5/15/2025 3:42:45 AM	Peak Integrated by Software incorrectly
Q1982-04		FB031710.D	FB051325	AAA-TFT	mohammad	5/15/2025 3:42:45 AM	Peak Integrated by Software incorrectly
Q1982-02		FB031722.D	FB051325	AAA-TFT	mohammad	5/15/2025 3:42:45 AM	Peak Integrated by Software incorrectly

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

Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
BSF0514S1		FB031738.D	FB051425	2-Methylpentane	mohammad	5/19/2025 2:35:24 AM	Peak Integrated by Software incorrectly
BSF0514W2		FB031746.D	FB051425	2-Methylpentane	mohammad	5/19/2025 2:35:24 AM	Peak Integrated by Software incorrectly

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 # FB042325

Review By	yogesh	Review On	4/23/2025 1:56:12 PM		
Supervise By	mohammad	Supervise On	4/26/2025 2:19:22 AM		
SubDirectory	FB042325	HP Acquire Method		HP Processing Method	FB042325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24485,PP24486,PP24487,PP24488,PP24489
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24490
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	5 GRO STD	FB031638.D	23 Apr 2025 12:11	YP/AJ	Ok
2	10 GRO STD	FB031639.D	23 Apr 2025 12:38	YP/AJ	Ok
3	20 GRO STD	FB031640.D	23 Apr 2025 13:05	YP/AJ	Ok
4	50 GRO STD	FB031641.D	23 Apr 2025 13:32	YP/AJ	Ok,M
5	100 GRO STD	FB031642.D	23 Apr 2025 14:00	YP/AJ	Ok,M
6	FB042325GROICV	FB031643.D	23 Apr 2025 14:39	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 # FB051325

Review By	yogesh	Review On	5/13/2025 11:36:14 AM		
Supervise By	mohammad	Supervise On	5/15/2025 3:42:45 AM		
SubDirectory	FB051325	HP Acquire Method		HP Processing Method	FB042325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24485,PP24486,PP24487,PP24488,PP24489
CCC	PP24567,PP24568,PP24569,PP24570
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24490
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	20 PPB GRO STD	FB031704.D	13 May 2025 8:44	YP/AJ	Ok,M
2	VBF0513S1	FB031705.D	13 May 2025 9:24	YP/AJ	Ok
3	VBF0513S2	FB031706.D	13 May 2025 9:51	YP/AJ	Ok
4	BSF0513S1	FB031707.D	13 May 2025 10:19	YP/AJ	Ok
5	Q1982-02	FB031708.D	13 May 2025 10:45	YP/AJ	Not Ok
6	Q1982-03	FB031709.D	13 May 2025 11:26	YP/AJ	Not Ok
7	Q1982-04	FB031710.D	13 May 2025 11:54	YP/AJ	Ok,M
8	Q1982-05	FB031711.D	13 May 2025 12:21	YP/AJ	Ok
9	Q1982-06	FB031712.D	13 May 2025 12:59	YP/AJ	Not Ok
10	Q1982-07	FB031713.D	13 May 2025 13:27	YP/AJ	Not Ok
11	BSF0513S2	FB031714.D	13 May 2025 13:54	YP/AJ	Ok
12	20 PPB GRO STD	FB031715.D	13 May 2025 14:22	YP/AJ	Ok
13	Q1982-08	FB031716.D	13 May 2025 15:53	YP/AJ	Ok
14	Q2010-01	FB031717.D	13 May 2025 16:21	YP/AJ	Ok
15	Q2010-02	FB031718.D	13 May 2025 16:49	YP/AJ	Not Ok
16	Q2010-03	FB031719.D	13 May 2025 17:17	YP/AJ	Not Ok
17	Q2010-04	FB031720.D	13 May 2025 17:44	YP/AJ	Ok
18	Q1982-01	FB031721.D	13 May 2025 18:12	YP/AJ	Ok
19	Q1982-02	FB031722.D	13 May 2025 18:40	YP/AJ	Ok,M
20	Q1982-03	FB031723.D	13 May 2025 19:07	YP/AJ	Ok
21	Q1982-06	FB031724.D	13 May 2025 19:35	YP/AJ	Ok

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 # FB051325

Review By	yogesh	Review On	5/13/2025 11:36:14 AM		
Supervise By	mohammad	Supervise On	5/15/2025 3:42:45 AM		
SubDirectory	FB051325	HP Acquire Method		HP Processing Method	FB042325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24485,PP24486,PP24487,PP24488,PP24489
CCC	PP24567,PP24568,PP24569,PP24570
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24490
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	BSF0513S3	FB031725.D	13 May 2025 20:02	YP/AJ	Ok
23	20 PPB GRO STD	FB031726.D	13 May 2025 20:30	YP/AJ	Ok
24	Q1982-07	FB031727.D	13 May 2025 21:51	YP/AJ	Not Ok
25	Q1982-08	FB031728.D	13 May 2025 22:19	YP/AJ	Not Ok
26	Q2010-01	FB031729.D	13 May 2025 22:46	YP/AJ	Not Ok
27	Q2010-02	FB031730.D	13 May 2025 23:13	YP/AJ	Not Ok
28	Q2010-03	FB031731.D	13 May 2025 23:40	YP/AJ	Ok
29	Q2010-04	FB031732.D	14 May 2025 00:08	YP/AJ	Not Ok
30	BSF0513S4	FB031733.D	14 May 2025 00:35	YP/AJ	Ok
31	20 PPB GRO STD	FB031734.D	14 May 2025 2:24	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 # FB051425

Review By	yogesh	Review On	5/14/2025 11:41:14 AM		
Supervise By	mohammad	Supervise On	5/19/2025 2:35:24 AM		
SubDirectory	FB051425	HP Acquire Method		HP Processing Method	FB042325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24485,PP24486,PP24487,PP24488,PP24489
CCC	PP24571,PP24572,PP24574
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24490
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	20 PPB GRO STD	FB031735.D	14 May 2025 9:26	YP/AJ	Ok
2	VBF0514S1	FB031736.D	14 May 2025 10:36	YP/AJ	Ok
3	VBF0514S2	FB031737.D	14 May 2025 11:04	YP/AJ	Ok
4	BSF0514S1	FB031738.D	14 May 2025 11:31	YP/AJ	Ok,M
5	Q1982-07	FB031739.D	14 May 2025 11:58	YP/AJ	Ok
6	Q2010-02	FB031740.D	14 May 2025 12:26	YP/AJ	Ok
7	BSF0514S2	FB031741.D	14 May 2025 12:53	YP/AJ	Ok
8	20 PPB GRO STD	FB031742.D	14 May 2025 13:20	YP/AJ	Ok
9	VBF0514W1	FB031743.D	14 May 2025 14:13	YP/AJ	Ok
10	BSF0514W1	FB031744.D	14 May 2025 14:40	YP/AJ	Ok
11	Q2032-11	FB031745.D	14 May 2025 15:07	YP/AJ	Ok
12	BSF0514W2	FB031746.D	14 May 2025 15:35	YP/AJ	Ok,M
13	20 PPB GRO STD	FB031747.D	14 May 2025 16:02	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 # FB042325

Review By	yogesh	Review On	4/23/2025 1:56:12 PM		
Supervise By	mohammad	Supervise On	4/26/2025 2:19:22 AM		
SubDirectory	FB042325	HP Acquire Method		HP Processing Method	FB042325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24485,PP24486,PP24487,PP24488,PP24489
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24490
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	5 GRO STD		FB031638.D	23 Apr 2025 12:11		YP/AJ	Ok
2	10 GRO STD		FB031639.D	23 Apr 2025 12:38		YP/AJ	Ok
3	20 GRO STD		FB031640.D	23 Apr 2025 13:05		YP/AJ	Ok
4	50 GRO STD		FB031641.D	23 Apr 2025 13:32		YP/AJ	Ok,M
5	100 GRO STD		FB031642.D	23 Apr 2025 14:00		YP/AJ	Ok,M
6	FB042325GROICV		FB031643.D	23 Apr 2025 14:39		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 # FB051325

Review By	yogesh	Review On	5/13/2025 11:36:14 AM		
Supervise By	mohammad	Supervise On	5/15/2025 3:42:45 AM		
SubDirectory	FB051325	HP Acquire Method		HP Processing Method	FB042325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24485,PP24486,PP24487,PP24488,PP24489
CCC	PP24567,PP24568,PP24569,PP24570
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24490
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	20 PPB GRO STD		FB031704.D	13 May 2025 8:44		YP/AJ	Ok,M
2	VBF0513S1		FB031705.D	13 May 2025 9:24		YP/AJ	Ok
3	VBF0513S2		FB031706.D	13 May 2025 9:51		YP/AJ	Ok
4	BSF0513S1		FB031707.D	13 May 2025 10:19		YP/AJ	Ok
5	Q1982-02		FB031708.D	13 May 2025 10:45	Vial-A, Not Purged	YP/AJ	Not Ok
6	Q1982-03		FB031709.D	13 May 2025 11:26	Vial-A, Not Purged	YP/AJ	Not Ok
7	Q1982-04		FB031710.D	13 May 2025 11:54	Vial-A	YP/AJ	Ok,M
8	Q1982-05		FB031711.D	13 May 2025 12:21	Vial-A	YP/AJ	Ok
9	Q1982-06		FB031712.D	13 May 2025 12:59	Vial-A, Not Purged	YP/AJ	Not Ok
10	Q1982-07		FB031713.D	13 May 2025 13:27	Vial-A, Not Purged	YP/AJ	Not Ok
11	BSF0513S2		FB031714.D	13 May 2025 13:54		YP/AJ	Ok
12	20 PPB GRO STD		FB031715.D	13 May 2025 14:22		YP/AJ	Ok
13	Q1982-08		FB031716.D	13 May 2025 15:53	Vial-A	YP/AJ	Ok
14	Q2010-01		FB031717.D	13 May 2025 16:21	Vial-A	YP/AJ	Ok
15	Q2010-02		FB031718.D	13 May 2025 16:49	Vial-A, Not Purged	YP/AJ	Not Ok
16	Q2010-03		FB031719.D	13 May 2025 17:17	Vial-A, Not Purged	YP/AJ	Not Ok
17	Q2010-04		FB031720.D	13 May 2025 17:44	Vial-A	YP/AJ	Ok
18	Q1982-01		FB031721.D	13 May 2025 18:12	Vial-B, Surr Fail	YP/AJ	Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB051325

Review By	yogesh	Review On	5/13/2025 11:36:14 AM		
Supervise By	mohammad	Supervise On	5/15/2025 3:42:45 AM		
SubDirectory	FB051325	HP Acquire Method		HP Processing Method	FB042325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24485,PP24486,PP24487,PP24488,PP24489
CCC	PP24567,PP24568,PP24569,PP24570
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24490
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1982-02		FB031722.D	13 May 2025 18:40	Vial-B,Surrogate failed	YP/AJ	Ok,M
20	Q1982-03		FB031723.D	13 May 2025 19:07	Vial-B	YP/AJ	Ok
21	Q1982-06		FB031724.D	13 May 2025 19:35	Vial-B	YP/AJ	Ok
22	BSF0513S3		FB031725.D	13 May 2025 20:02		YP/AJ	Ok
23	20 PPB GRO STD		FB031726.D	13 May 2025 20:30		YP/AJ	Ok
24	Q1982-07		FB031727.D	13 May 2025 21:51	Vial-B, Not Purged	YP/AJ	Not Ok
25	Q1982-08		FB031728.D	13 May 2025 22:19	Not required	YP/AJ	Not Ok
26	Q2010-01		FB031729.D	13 May 2025 22:46	Not required	YP/AJ	Not Ok
27	Q2010-02		FB031730.D	13 May 2025 23:13	Vial-B, Not Purged	YP/AJ	Not Ok
28	Q2010-03		FB031731.D	13 May 2025 23:40	Vial-B	YP/AJ	Ok
29	Q2010-04		FB031732.D	14 May 2025 00:08	Not required	YP/AJ	Not Ok
30	BSF0513S4		FB031733.D	14 May 2025 00:35		YP/AJ	Ok
31	20 PPB GRO STD		FB031734.D	14 May 2025 2:24		YP/AJ	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB051425

Review By	yogesh	Review On	5/14/2025 11:41:14 AM		
Supervise By	mohammad	Supervise On	5/19/2025 2:35:24 AM		
SubDirectory	FB051425	HP Acquire Method		HP Processing Method	FB042325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24485,PP24486,PP24487,PP24488,PP24489
CCC	PP24571,PP24572,PP24574
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24490
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	20 PPB GRO STD		FB031735.D	14 May 2025 9:26		YP/AJ	Ok
2	VBF0514S1		FB031736.D	14 May 2025 10:36		YP/AJ	Ok
3	VBF0514S2		FB031737.D	14 May 2025 11:04		YP/AJ	Ok
4	BSF0514S1		FB031738.D	14 May 2025 11:31		YP/AJ	Ok,M
5	Q1982-07		FB031739.D	14 May 2025 11:58	Vial-C	YP/AJ	Ok
6	Q2010-02		FB031740.D	14 May 2025 12:26	Vial-C	YP/AJ	Ok
7	BSF0514S2		FB031741.D	14 May 2025 12:53		YP/AJ	Ok
8	20 PPB GRO STD		FB031742.D	14 May 2025 13:20		YP/AJ	Ok
9	VBF0514W1		FB031743.D	14 May 2025 14:13		YP/AJ	Ok
10	BSF0514W1		FB031744.D	14 May 2025 14:40		YP/AJ	Ok
11	Q2032-11		FB031745.D	14 May 2025 15:07	Vial-A	YP/AJ	Ok
12	BSF0514W2		FB031746.D	14 May 2025 15:35		YP/AJ	Ok,M
13	20 PPB GRO STD		FB031747.D	14 May 2025 16:02		YP/AJ	Ok

M : Manual Integration

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

LAB CHRONICLE

OrderID:	Q1982	**OrderDate:**	5/7/2025 3:20:42 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
Q1982-01	**TP-1**	**SOIL**			**05/06/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/13/25	05/13/25	
Q1982-02	**TP-2B**	**SOIL**			**05/06/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/13/25	05/13/25	
Q1982-03	**TP-3**	**SOIL**			**05/06/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/13/25	05/13/25	
Q1982-04	**TP-4**	**SOIL**			**05/07/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/13/25	05/13/25	
Q1982-05	**TP-5**	**SOIL**			**05/07/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/13/25	05/13/25	
Q1982-06	**TP-6**	**SOIL**			**05/07/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/13/25	05/13/25	
Q1982-07	**TP-8**	**SOIL**			**05/07/25**			**05/07/25**

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LAB CHRONICLE

			Diesel Range Organics	8015D		05/13/25	05/13/25
			Gasoline Range Organics	8015D			05/14/25
			PCB	8082A		05/13/25	05/13/25
Q1982-08	**TP-9**	**SOIL**			**05/07/25**		**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25
			Gasoline Range Organics	8015D			05/13/25
			PCB	8082A		05/13/25	05/13/25

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Hit Summary Sheet
SW-846

SDG No.: Q1982

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : TP-1									
Q1982-01	TP-1	SOIL	Bis(2-ethylhexyl)phthalate		180.000	J	73	210	ug/Kg
			Total Svoc :		**180.00**				
Q1982-01	TP-1	SOIL	Cycloeicosane	*	190.000	J	0	0	ug/Kg
Q1982-01	TP-1	SOIL	n-Hexadecanoic acid	*	390.000	J	0	0	ug/Kg
Q1982-01	TP-1	SOIL	Octadecanoic acid	*	100.000	J	0	0	ug/Kg
Q1982-01	TP-1	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	280.000	AB	0	0	ug/Kg
Q1982-01	TP-1	SOIL	Benzophenone	*	330.000	J	0	0	ug/Kg
			Total Tics :		**1,290.00**				
			Total Concentration:		**1,470.00**				
Client ID : TP-2B									
Q1982-02	TP-2B	SOIL	Bis(2-ethylhexyl)phthalate		180.000	J	69.6	200	ug/Kg
			Total Svoc :		**180.00**				
Q1982-02	TP-2B	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	250.000	AB	0	0	ug/Kg
Q1982-02	TP-2B	SOIL	Benzophenone	*	290.000	J	0	0	ug/Kg
Q1982-02	TP-2B	SOIL	n-Hexadecanoic acid	*	230.000	J	0	0	ug/Kg
Q1982-02	TP-2B	SOIL	Pentadecafluorooctanoic acid, pen	*	150.000	J	0	0	ug/Kg
			Total Tics :		**920.00**				
			Total Concentration:		**1,100.00**				
Client ID : TP-3									
Q1982-03	TP-3	SOIL	Bis(2-ethylhexyl)phthalate		170.000	J	65.1	190	ug/Kg
			Total Svoc :		**170.00**				
Q1982-03	TP-3	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	290.000	AB	0	0	ug/Kg
Q1982-03	TP-3	SOIL	Benzophenone	*	250.000	J	0	0	ug/Kg
Q1982-03	TP-3	SOIL	Cycloeicosane	*	140.000	J	0	0	ug/Kg
Q1982-03	TP-3	SOIL	n-Hexadecanoic acid	*	370.000	J	0	0	ug/Kg
			Total Tics :		**1,050.00**				
			Total Concentration:		**1,220.00**				
Client ID : TP-4									
Q1982-04	TP-4	SOIL	Fluorene		100.000	J	28.9	190	ug/Kg
Q1982-04	TP-4	SOIL	Phenanthrene		230.000		23.9	190	ug/Kg
Q1982-04	TP-4	SOIL	Anthracene		92.800	J	38.1	190	ug/Kg
Q1982-04	TP-4	SOIL	Fluoranthene		510.000		34.3	190	ug/Kg
Q1982-04	TP-4	SOIL	Pyrene		450.000		41.2	190	ug/Kg
Q1982-04	TP-4	SOIL	Benzo(a)anthracene		290.000		26.3	190	ug/Kg
Q1982-04	TP-4	SOIL	Chrysene		260.000		22.8	190	ug/Kg
Q1982-04	TP-4	SOIL	Bis(2-ethylhexyl)phthalate		180.000	J	67.7	190	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q1982

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q1982-04	TP-4	SOIL	Benzo(b)fluoranthene		380.000		21.7	190	ug/Kg
Q1982-04	TP-4	SOIL	Benzo(k)fluoranthene		110.000	J	25.6	190	ug/Kg
Q1982-04	TP-4	SOIL	Benzo(a)pyrene		280.000		33.7	190	ug/Kg
Q1982-04	TP-4	SOIL	Indeno(1,2,3-cd)pyrene		110.000	J	33.3	190	ug/Kg
Q1982-04	TP-4	SOIL	Benzo(g,h,i)perylene		140.000	J	29.4	190	ug/Kg
			Total Svoc :		**3,132.80**				
Q1982-04	TP-4	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	260.000	AB	0	0	ug/Kg
Q1982-04	TP-4	SOIL	4H-Cyclopenta[def]phenanthrene	*	140.000	J	0	0	ug/Kg
Q1982-04	TP-4	SOIL	n-Hexadecanoic acid	*	310.000	J	0	0	ug/Kg
Q1982-04	TP-4	SOIL	Benzophenone	*	140.000	J	0	0	ug/Kg
Q1982-04	TP-4	SOIL	Fluoranthene, 2-methyl-	*	98.700	J	0	0	ug/Kg
Q1982-04	TP-4	SOIL	Heptafluorobutyric acid, pentadec	*	140.000	J	0	0	ug/Kg
			Total Tics :		**1,088.70**				
			Total Concentration:		**4,221.50**				
Client ID :	**TP-5**								
Q1982-05	TP-5	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	240.000	AB	0	0	ug/Kg
Q1982-05	TP-5	SOIL	5-Bromo-4-oxo-4,5,6,7-tetrahydrc	*	490.000	J	0	0	ug/Kg
Q1982-05	TP-5	SOIL	Benzophenone	*	97.900	J	0	0	ug/Kg
Q1982-05	TP-5	SOIL	n-Hexadecanoic acid	*	190.000	J	0	0	ug/Kg
Q1982-05	TP-5	SOIL	Trifluoroacetoxy hexadecane	*	120.000	J	0	0	ug/Kg
			Total Tics :		**1,137.90**				
			Total Concentration:		**1,137.90**				
Client ID :	**TP-6**								
Q1982-06	TP-6	SOIL	2,4a,8,8-Tetramethyldecahydrocyc	*	180.000	J	0	0	ug/Kg
Q1982-06	TP-6	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	260.000	AB	0	0	ug/Kg
Q1982-06	TP-6	SOIL	Benzophenone	*	130.000	J	0	0	ug/Kg
Q1982-06	TP-6	SOIL	Heptafluorobutyric acid, hexadecy	*	120.000	J	0	0	ug/Kg
Q1982-06	TP-6	SOIL	n-Hexadecanoic acid	*	230.000	J	0	0	ug/Kg
			Total Tics :		**920.00**				
			Total Concentration:		**920.00**				
Client ID :	**TP-8**								
Q1982-07	TP-8	SOIL	Bis(2-ethylhexyl)phthalate		170.000	J	70.5	200	ug/Kg
			Total Svoc :		**170.00**				
Q1982-07	TP-8	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	260.000	AB	0	0	ug/Kg
Q1982-07	TP-8	SOIL	Benzophenone	*	130.000	J	0	0	ug/Kg
Q1982-07	TP-8	SOIL	Heptafluorobutyric acid, n-tetrade	*	140.000	J	0	0	ug/Kg
Q1982-07	TP-8	SOIL	n-Hexadecanoic acid	*	210.000	J	0	0	ug/Kg
			Total Tics :		**740.00**				
			Total Concentration:		**910.00**				

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Hit Summary Sheet
SW-846

SDG No.: Q1982

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : TP-9									
Q1982-08	TP-9	SOIL	Fluoranthene		120.000	J	36.8	210	ug/Kg
Q1982-08	TP-9	SOIL	Pyrene		230.000		44.2	210	ug/Kg
Q1982-08	TP-9	SOIL	Chrysene		90.400	J	24.4	210	ug/Kg
Q1982-08	TP-9	SOIL	Benzo(b)fluoranthene		130.000	J	23.3	210	ug/Kg
Q1982-08	TP-9	SOIL	Benzo(a)pyrene		140.000	J	36.2	210	ug/Kg
Q1982-08	TP-9	SOIL	Benzo(g,h,i)perylene		120.000	J	31.5	210	ug/Kg
			Total Svoc :		**830.40**				
Q1982-08	TP-9	SOIL	2(1H)-Phenanthrenone, 3,4,4a,4b,	*	120.000	J	0	0	ug/Kg
Q1982-08	TP-9	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	190.000	AB	0	0	ug/Kg
Q1982-08	TP-9	SOIL	Benzophenone	*	140.000	J	0	0	ug/Kg
Q1982-08	TP-9	SOIL	Cyclopentadecane	*	150.000	J	0	0	ug/Kg
Q1982-08	TP-9	SOIL	D:A-Friedooleanan-3-ol, (3.alpha.	*	270.000	J	0	0	ug/Kg
Q1982-08	TP-9	SOIL	n-Hexadecanoic acid	*	310.000	J	0	0	ug/Kg
			Total Tics :		**1,180.00**				
			Total Concentration:		**2,010.40**				

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:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-1	SDG No.:	Q1982
Lab Sample ID:	Q1982-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.9
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
BF142364.D	1	05/12/25 09:38	05/14/25 14:23	PB167953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	410	ug/Kg
108-95-2	Phenol	27.3	U	27.3	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	30.0	U	30.0	210	ug/Kg
95-57-8	2-Chlorophenol	30.1	U	30.1	210	ug/Kg
95-48-7	2-Methylphenol	36.9	U	36.9	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	46.2	U	46.2	210	ug/Kg
98-86-2	Acetophenone	36.4	U	36.4	210	ug/Kg
65794-96-9	3+4-Methylphenols	50.7	U	50.7	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	58.5	U	58.5	98.7	ug/Kg
67-72-1	Hexachloroethane	21.7	U	21.7	210	ug/Kg
98-95-3	Nitrobenzene	22.6	U	22.6	210	ug/Kg
78-59-1	Isophorone	40.4	U	40.4	210	ug/Kg
88-75-5	2-Nitrophenol	71.8	U	71.8	210	ug/Kg
105-67-9	2,4-Dimethylphenol	79.9	U	79.9	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	38.0	U	38.0	210	ug/Kg
120-83-2	2,4-Dichlorophenol	34.9	U	34.9	210	ug/Kg
91-20-3	Naphthalene	28.0	U	28.0	210	ug/Kg
106-47-8	4-Chloroaniline	43.7	U	43.7	210	ug/Kg
87-68-3	Hexachlorobutadiene	31.2	U	31.2	210	ug/Kg
105-60-2	Caprolactam	64.3	U	64.3	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	35.4	U	35.4	210	ug/Kg
91-57-6	2-Methylnaphthalene	31.6	U	31.6	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	24.4	U	24.4	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	35.9	U	35.9	210	ug/Kg
92-52-4	1,1-Biphenyl	26.9	U	26.9	210	ug/Kg
91-58-7	2-Chloronaphthalene	27.7	U	27.7	210	ug/Kg
88-74-4	2-Nitroaniline	59.3	U	59.3	210	ug/Kg
131-11-3	Dimethylphthalate	33.4	U	33.4	210	ug/Kg

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:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-1	SDG No.:	Q1982
Lab Sample ID:	Q1982-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.9
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
BF142364.D	1	05/12/25 09:38	05/14/25 14:23	PB167953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	35.6	U	35.6	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	41.4	U	41.4	210	ug/Kg
99-09-2	3-Nitroaniline	56.7	U	56.7	210	ug/Kg
83-32-9	Acenaphthene	26.3	U	26.3	210	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	410	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	410	ug/Kg
132-64-9	Dibenzofuran	28.0	U	28.0	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	61.8	UQ	61.8	210	ug/Kg
84-66-2	Diethylphthalate	34.9	U	34.9	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	32.9	U	32.9	210	ug/Kg
86-73-7	Fluorene	31.2	U	31.2	210	ug/Kg
100-01-6	4-Nitroaniline	79.2	UQ	79.2	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	40.6	U	40.6	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	34.3	U	34.3	210	ug/Kg
118-74-1	Hexachlorobenzene	31.2	U	31.2	210	ug/Kg
1912-24-9	Atrazine	41.9	U	41.9	210	ug/Kg
87-86-5	Pentachlorophenol	63.3	UQ	63.3	410	ug/Kg
85-01-8	Phenanthrene	25.8	U	25.8	210	ug/Kg
120-12-7	Anthracene	41.1	U	41.1	210	ug/Kg
86-74-8	Carbazole	38.5	U	38.5	210	ug/Kg
84-74-2	Di-n-butylphthalate	59.1	U	59.1	210	ug/Kg
206-44-0	Fluoranthene	37.0	U	37.0	210	ug/Kg
129-00-0	Pyrene	44.4	U	44.4	210	ug/Kg
85-68-7	Butylbenzylphthalate	88.1	U	88.1	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	45.3	U	45.3	410	ug/Kg
56-55-3	Benzo(a)anthracene	28.4	U	28.4	210	ug/Kg
218-01-9	Chrysene	24.5	U	24.5	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	180	J	73.0	210	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	23.4	U	23.4	210	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-1	SDG No.:	Q1982
Lab Sample ID:	Q1982-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.9
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
BF142364.D	1	05/12/25 09:38	05/14/25 14:23	PB167953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	27.6	U	27.6	210	ug/Kg
50-32-8	Benzo(a)pyrene	36.4	U	36.4	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	35.9	U	35.9	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	33.8	U	33.8	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	31.7	U	31.7	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	31.6	U	31.6	210	ug/Kg
123-91-1	1,4-Dioxane	55.7	U	55.7	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	33.8	U	33.8	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	87.9		18 - 112	59%	SPK: 150
13127-88-3	Phenol-d6	88.6		15 - 107	59%	SPK: 150
4165-60-0	Nitrobenzene-d5	59.0		18 - 107	59%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.8		20 - 109	54%	SPK: 100
118-79-6	2,4,6-Tribromophenol	106		10 - 116	70%	SPK: 150
1718-51-0	Terphenyl-d14	45.5		10 - 105	45%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	171000	6.898			
1146-65-2	Naphthalene-d8	666000	8.181			
15067-26-2	Acenaphthene-d10	370000	9.933			
1517-22-2	Phenanthrene-d10	718000	11.422			
1719-03-5	Chrysene-d12	612000	14.063			
1520-96-3	Perylene-d12	504000	15.551			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	280	AB		5.11	ug/Kg
000119-61-9	Benzophenone	330	J		10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	390	J		12.0	ug/Kg
000057-11-4	Octadecanoic acid	100	J		12.7	ug/Kg
000296-56-0	Cycloeicosane	190	J		13.9	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-1	SDG No.:	Q1982
Lab Sample ID:	Q1982-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.9
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
BF142364.D	1	05/12/25 09:38	05/14/25 14:23	PB167953

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:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-2B	SDG No.:	Q1982
Lab Sample ID:	Q1982-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85
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
BF142378.D	1	05/12/25 09:38	05/14/25 21:06	PB167953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	390	ug/Kg
108-95-2	Phenol	26.0	U	26.0	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.6	U	28.6	200	ug/Kg
95-57-8	2-Chlorophenol	28.7	U	28.7	200	ug/Kg
95-48-7	2-Methylphenol	35.1	U	35.1	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	44.1	U	44.1	200	ug/Kg
98-86-2	Acetophenone	34.7	U	34.7	200	ug/Kg
65794-96-9	3+4-Methylphenols	48.3	U	48.3	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	55.7	U	55.7	94.0	ug/Kg
67-72-1	Hexachloroethane	20.7	U	20.7	200	ug/Kg
98-95-3	Nitrobenzene	21.5	U	21.5	200	ug/Kg
78-59-1	Isophorone	38.5	U	38.5	200	ug/Kg
88-75-5	2-Nitrophenol	68.4	U	68.4	200	ug/Kg
105-67-9	2,4-Dimethylphenol	76.2	U	76.2	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	36.2	U	36.2	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.3	U	33.3	200	ug/Kg
91-20-3	Naphthalene	26.7	U	26.7	200	ug/Kg
106-47-8	4-Chloroaniline	41.6	U	41.6	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.7	U	29.7	200	ug/Kg
105-60-2	Caprolactam	61.2	U	61.2	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.7	U	33.7	200	ug/Kg
91-57-6	2-Methylnaphthalene	30.1	U	30.1	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.3	U	23.3	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34.2	U	34.2	200	ug/Kg
92-52-4	1,1-Biphenyl	25.6	U	25.6	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.4	U	26.4	200	ug/Kg
88-74-4	2-Nitroaniline	56.5	U	56.5	200	ug/Kg
131-11-3	Dimethylphthalate	31.9	U	31.9	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-2B	SDG No.:	Q1982
Lab Sample ID:	Q1982-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85
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
BF142378.D	1	05/12/25 09:38	05/14/25 21:06	PB167953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	34.0	U	34.0	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	39.5	U	39.5	200	ug/Kg
99-09-2	3-Nitroaniline	54.1	U	54.1	200	ug/Kg
83-32-9	Acenaphthene	25.0	U	25.0	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	390	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	390	ug/Kg
132-64-9	Dibenzofuran	26.7	U	26.7	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.9	UQ	58.9	200	ug/Kg
84-66-2	Diethylphthalate	33.3	U	33.3	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	31.4	U	31.4	200	ug/Kg
86-73-7	Fluorene	29.7	U	29.7	200	ug/Kg
100-01-6	4-Nitroaniline	75.5	UQ	75.5	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.7	U	38.7	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.7	U	32.7	200	ug/Kg
118-74-1	Hexachlorobenzene	29.7	U	29.7	200	ug/Kg
1912-24-9	Atrazine	40.0	U	40.0	200	ug/Kg
87-86-5	Pentachlorophenol	60.3	UQ	60.3	390	ug/Kg
85-01-8	Phenanthrene	24.6	U	24.6	200	ug/Kg
120-12-7	Anthracene	39.1	U	39.1	200	ug/Kg
86-74-8	Carbazole	36.7	U	36.7	200	ug/Kg
84-74-2	Di-n-butylphthalate	56.3	U	56.3	200	ug/Kg
206-44-0	Fluoranthene	35.3	U	35.3	200	ug/Kg
129-00-0	Pyrene	42.3	U	42.3	200	ug/Kg
85-68-7	Butylbenzylphthalate	83.9	U	83.9	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	43.1	U	43.1	390	ug/Kg
56-55-3	Benzo(a)anthracene	27.0	U	27.0	200	ug/Kg
218-01-9	Chrysene	23.4	U	23.4	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	180	J	69.6	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	22.3	U	22.3	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-2B	SDG No.:	Q1982
Lab Sample ID:	Q1982-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85
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
BF142378.D	1	05/12/25 09:38	05/14/25 21:06	PB167953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	26.3	U	26.3	200	ug/Kg
50-32-8	Benzo(a)pyrene	34.7	U	34.7	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34.2	U	34.2	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32.2	U	32.2	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	30.2	U	30.2	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	30.1	U	30.1	200	ug/Kg
123-91-1	1,4-Dioxane	53.1	U	53.1	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.2	U	32.2	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	77.3		18 - 112	52%	SPK: 150
13127-88-3	Phenol-d6	81.0		15 - 107	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	54.3		18 - 107	54%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.1		20 - 109	49%	SPK: 100
118-79-6	2,4,6-Tribromophenol	94.8		10 - 116	63%	SPK: 150
1718-51-0	Terphenyl-d14	49.7		10 - 105	50%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	214000	6.898			
1146-65-2	Naphthalene-d8	843000	8.181			
15067-26-2	Acenaphthene-d10	499000	9.939			
1517-22-2	Phenanthrene-d10	916000	11.422			
1719-03-5	Chrysene-d12	568000	14.063			
1520-96-3	Perylene-d12	471000	15.551			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	AB		5.11	ug/Kg
000119-61-9	Benzophenone	290	J		10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	230	J		12.0	ug/Kg
1000406-04-5	Pentadecafluorooctanoic acid, pent	150	J		13.9	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-2B	SDG No.:	Q1982
Lab Sample ID:	Q1982-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85
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
BF142378.D	1	05/12/25 09:38	05/14/25 21:06	PB167953

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:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-3	SDG No.:	Q1982
Lab Sample ID:	Q1982-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.7
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142365.D	1	05/12/25 09:38	05/14/25 14:51	PB167953

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	24.3	U	24.3	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.7	U	26.7	190	ug/Kg
95-57-8	2-Chlorophenol	26.8	U	26.8	190	ug/Kg
95-48-7	2-Methylphenol	32.9	U	32.9	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	41.2	U	41.2	190	ug/Kg
98-86-2	Acetophenone	32.4	U	32.4	190	ug/Kg
65794-96-9	3+4-Methylphenols	45.2	U	45.2	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	52.1	U	52.1	87.9	ug/Kg
67-72-1	Hexachloroethane	19.3	U	19.3	190	ug/Kg
98-95-3	Nitrobenzene	20.1	U	20.1	190	ug/Kg
78-59-1	Isophorone	36.1	U	36.1	190	ug/Kg
88-75-5	2-Nitrophenol	64.0	U	64.0	190	ug/Kg
105-67-9	2,4-Dimethylphenol	71.2	U	71.2	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	33.9	U	33.9	190	ug/Kg
120-83-2	2,4-Dichlorophenol	31.1	U	31.1	190	ug/Kg
91-20-3	Naphthalene	25.0	U	25.0	190	ug/Kg
106-47-8	4-Chloroaniline	38.9	U	38.9	190	ug/Kg
87-68-3	Hexachlorobutadiene	27.8	U	27.8	190	ug/Kg
105-60-2	Caprolactam	57.3	U	57.3	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.5	U	31.5	190	ug/Kg
91-57-6	2-Methylnaphthalene	28.1	U	28.1	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	32.0	U	32.0	190	ug/Kg
92-52-4	1,1-Biphenyl	24.0	U	24.0	190	ug/Kg
91-58-7	2-Chloronaphthalene	24.7	U	24.7	190	ug/Kg
88-74-4	2-Nitroaniline	52.9	U	52.9	190	ug/Kg
131-11-3	Dimethylphthalate	29.8	U	29.8	190	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-3	SDG No.:	Q1982
Lab Sample ID:	Q1982-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.7
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142365.D	1	05/12/25 09:38	05/14/25 14:51	PB167953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.8	U	31.8	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	36.9	U	36.9	190	ug/Kg
99-09-2	3-Nitroaniline	50.6	U	50.6	190	ug/Kg
83-32-9	Acenaphthene	23.4	U	23.4	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	55.1	UQ	55.1	190	ug/Kg
84-66-2	Diethylphthalate	31.1	U	31.1	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.3	U	29.3	190	ug/Kg
86-73-7	Fluorene	27.8	U	27.8	190	ug/Kg
100-01-6	4-Nitroaniline	70.6	UQ	70.6	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	36.2	U	36.2	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.6	U	30.6	190	ug/Kg
118-74-1	Hexachlorobenzene	27.8	U	27.8	190	ug/Kg
1912-24-9	Atrazine	37.4	U	37.4	190	ug/Kg
87-86-5	Pentachlorophenol	56.4	UQ	56.4	360	ug/Kg
85-01-8	Phenanthrene	23.0	U	23.0	190	ug/Kg
120-12-7	Anthracene	36.6	U	36.6	190	ug/Kg
86-74-8	Carbazole	34.3	U	34.3	190	ug/Kg
84-74-2	Di-n-butylphthalate	52.7	U	52.7	190	ug/Kg
206-44-0	Fluoranthene	33.0	U	33.0	190	ug/Kg
129-00-0	Pyrene	39.6	U	39.6	190	ug/Kg
85-68-7	Butylbenzylphthalate	78.5	U	78.5	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	40.3	U	40.3	360	ug/Kg
56-55-3	Benzo(a)anthracene	25.3	U	25.3	190	ug/Kg
218-01-9	Chrysene	21.9	U	21.9	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	170	J	65.1	190	ug/Kg
117-84-0	Di-n-octyl phthalate	95.4	U	95.4	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.9	U	20.9	190	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-3	SDG No.:	Q1982
Lab Sample ID:	Q1982-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.7
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142365.D	1	05/12/25 09:38	05/14/25 14:51	PB167953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	24.6	U	24.6	190	ug/Kg
50-32-8	Benzo(a)pyrene	32.4	U	32.4	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	32.0	U	32.0	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	30.1	U	30.1	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28.3	U	28.3	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	28.1	U	28.1	190	ug/Kg
123-91-1	1,4-Dioxane	49.7	U	49.7	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	30.1	U	30.1	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	96.2		18 - 112	64%	SPK: 150
13127-88-3	Phenol-d6	97.0		15 - 107	65%	SPK: 150
4165-60-0	Nitrobenzene-d5	65.2		18 - 107	65%	SPK: 100
321-60-8	2-Fluorobiphenyl	58.1		20 - 109	58%	SPK: 100
118-79-6	2,4,6-Tribromophenol	118		10 - 116	79%	SPK: 150
1718-51-0	Terphenyl-d14	51.1		10 - 105	51%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	187000	6.898			
1146-65-2	Naphthalene-d8	720000	8.181			
15067-26-2	Acenaphthene-d10	397000	9.939			
1517-22-2	Phenanthrene-d10	760000	11.422			
1719-03-5	Chrysene-d12	625000	14.063			
1520-96-3	Perylene-d12	500000	15.557			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	290	AB		5.12	ug/Kg
000119-61-9	Benzophenone	250	J		10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	370	J		12.0	ug/Kg
000296-56-0	Cycloeicosane	140	J		13.9	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-3	SDG No.:	Q1982
Lab Sample ID:	Q1982-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.7
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142365.D	1	05/12/25 09:38	05/14/25 14:51	PB167953

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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-4	SDG No.:	Q1982
Lab Sample ID:	Q1982-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
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
BF142413.D	1	05/12/25 09:38	05/16/25 01:27	PB167953

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	66.5	U	66.5	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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-4	SDG No.:	Q1982
Lab Sample ID:	Q1982-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
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
BF142413.D	1	05/12/25 09:38	05/16/25 01:27	PB167953

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	UQ	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	100	J	28.9	190	ug/Kg
100-01-6	4-Nitroaniline	73.4	UQ	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	UQ	58.7	380	ug/Kg
85-01-8	Phenanthrene	230		23.9	190	ug/Kg
120-12-7	Anthracene	92.8	J	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	510		34.3	190	ug/Kg
129-00-0	Pyrene	450		41.2	190	ug/Kg
85-68-7	Butylbenzylphthalate	81.6	U	81.6	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.0	U	42.0	380	ug/Kg
56-55-3	Benzo(a)anthracene	290		26.3	190	ug/Kg
218-01-9	Chrysene	260		22.8	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	180	J	67.7	190	ug/Kg
117-84-0	Di-n-octyl phthalate	99.2	U	99.2	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	380		21.7	190	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-4	SDG No.:	Q1982
Lab Sample ID:	Q1982-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
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
BF142413.D	1	05/12/25 09:38	05/16/25 01:27	PB167953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	110	J	25.6	190	ug/Kg
50-32-8	Benzo(a)pyrene	280		33.7	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	J	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	140	J	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	79.9		18 - 112	53%	SPK: 150
13127-88-3	Phenol-d6	79.6		15 - 107	53%	SPK: 150
4165-60-0	Nitrobenzene-d5	56.8		18 - 107	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.2		20 - 109	56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	79.6		10 - 116	53%	SPK: 150
1718-51-0	Terphenyl-d14	50.1		10 - 105	50%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	176000	6.904			
1146-65-2	Naphthalene-d8	649000	8.186			
15067-26-2	Acenaphthene-d10	309000	9.939			
1517-22-2	Phenanthrene-d10	450000	11.427			
1719-03-5	Chrysene-d12	299000	14.068			
1520-96-3	Perylene-d12	225000	15.557			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	260	AB		5.12	ug/Kg
000119-61-9	Benzophenone	140	J		10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	310	J		12.0	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	140	J		12.0	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	98.7	J		13.2	ug/Kg
959261-23-5	Heptafluorobutyric acid, pentadecy	140	J		13.9	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-4	SDG No.:	Q1982
Lab Sample ID:	Q1982-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
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
BF142413.D	1	05/12/25 09:38	05/16/25 01:27	PB167953

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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-5	SDG No.:	Q1982
Lab Sample ID:	Q1982-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.9
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
BF142408.D	1	05/12/25 09:38	05/15/25 23:01	PB167953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	370	ug/Kg
108-95-2	Phenol	24.6	U	24.6	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	27.0	U	27.0	190	ug/Kg
95-57-8	2-Chlorophenol	27.1	U	27.1	190	ug/Kg
95-48-7	2-Methylphenol	33.2	U	33.2	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	41.7	U	41.7	190	ug/Kg
98-86-2	Acetophenone	32.8	U	32.8	190	ug/Kg
65794-96-9	3+4-Methylphenols	45.7	U	45.7	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	52.7	U	52.7	89.0	ug/Kg
67-72-1	Hexachloroethane	19.6	U	19.6	190	ug/Kg
98-95-3	Nitrobenzene	20.3	U	20.3	190	ug/Kg
78-59-1	Isophorone	36.5	U	36.5	190	ug/Kg
88-75-5	2-Nitrophenol	64.7	U	64.7	190	ug/Kg
105-67-9	2,4-Dimethylphenol	72.1	U	72.1	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	34.2	U	34.2	190	ug/Kg
120-83-2	2,4-Dichlorophenol	31.5	U	31.5	190	ug/Kg
91-20-3	Naphthalene	25.2	U	25.2	190	ug/Kg
106-47-8	4-Chloroaniline	39.4	U	39.4	190	ug/Kg
87-68-3	Hexachlorobutadiene	28.1	U	28.1	190	ug/Kg
105-60-2	Caprolactam	57.9	U	57.9	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.9	U	31.9	190	ug/Kg
91-57-6	2-Methylnaphthalene	28.5	U	28.5	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.0	U	22.0	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	32.4	U	32.4	190	ug/Kg
92-52-4	1,1-Biphenyl	24.2	U	24.2	190	ug/Kg
91-58-7	2-Chloronaphthalene	25.0	U	25.0	190	ug/Kg
88-74-4	2-Nitroaniline	53.5	U	53.5	190	ug/Kg
131-11-3	Dimethylphthalate	30.1	U	30.1	190	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-5	SDG No.:	Q1982
Lab Sample ID:	Q1982-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.9
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
BF142408.D	1	05/12/25 09:38	05/15/25 23:01	PB167953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	32.1	U	32.1	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	37.4	U	37.4	190	ug/Kg
99-09-2	3-Nitroaniline	51.2	U	51.2	190	ug/Kg
83-32-9	Acenaphthene	23.7	U	23.7	190	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	370	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	370	ug/Kg
132-64-9	Dibenzofuran	25.2	U	25.2	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	55.7	UQ	55.7	190	ug/Kg
84-66-2	Diethylphthalate	31.5	U	31.5	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.7	U	29.7	190	ug/Kg
86-73-7	Fluorene	28.1	U	28.1	190	ug/Kg
100-01-6	4-Nitroaniline	71.4	UQ	71.4	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	36.6	U	36.6	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.9	U	30.9	190	ug/Kg
118-74-1	Hexachlorobenzene	28.1	U	28.1	190	ug/Kg
1912-24-9	Atrazine	37.8	U	37.8	190	ug/Kg
87-86-5	Pentachlorophenol	57.0	UQ	57.0	370	ug/Kg
85-01-8	Phenanthrene	23.2	U	23.2	190	ug/Kg
120-12-7	Anthracene	37.0	U	37.0	190	ug/Kg
86-74-8	Carbazole	34.7	U	34.7	190	ug/Kg
84-74-2	Di-n-butylphthalate	53.3	U	53.3	190	ug/Kg
206-44-0	Fluoranthene	33.4	U	33.4	190	ug/Kg
129-00-0	Pyrene	40.0	U	40.0	190	ug/Kg
85-68-7	Butylbenzylphthalate	79.4	U	79.4	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	40.8	U	40.8	370	ug/Kg
56-55-3	Benzo(a)anthracene	25.6	U	25.6	190	ug/Kg
218-01-9	Chrysene	22.1	U	22.1	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	65.8	U	65.8	190	ug/Kg
117-84-0	Di-n-octyl phthalate	96.5	U	96.5	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	21.1	U	21.1	190	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-5	SDG No.:	Q1982
Lab Sample ID:	Q1982-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.9
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
BF142408.D	1	05/12/25 09:38	05/15/25 23:01	PB167953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	24.9	U	24.9	190	ug/Kg
50-32-8	Benzo(a)pyrene	32.8	U	32.8	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	32.4	U	32.4	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	30.5	U	30.5	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28.6	U	28.6	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	28.5	U	28.5	190	ug/Kg
123-91-1	1,4-Dioxane	50.3	U	50.3	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	30.5	U	30.5	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	79.9		18 - 112	53%	SPK: 150
13127-88-3	Phenol-d6	80.6		15 - 107	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	54.7		18 - 107	55%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.1		20 - 109	51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	81.5		10 - 116	54%	SPK: 150
1718-51-0	Terphenyl-d14	39.2		10 - 105	39%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	157000	6.898			
1146-65-2	Naphthalene-d8	595000	8.181			
15067-26-2	Acenaphthene-d10	309000	9.939			
1517-22-2	Phenanthrene-d10	472000	11.422			
1719-03-5	Chrysene-d12	353000	14.063			
1520-96-3	Perylene-d12	255000	15.551			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	240	AB		5.12	ug/Kg
000119-61-9	Benzophenone	97.9	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	190	J		11.9	ug/Kg
300574-36-1	5-Bromo-4-oxo-4,5,6,7-tetrahydrobe	490	J		13.8	ug/Kg
006222-03-3	Trifluoroacetoxy hexadecane	120	J		13.9	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-5	SDG No.:	Q1982
Lab Sample ID:	Q1982-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.9
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
BF142408.D	1	05/12/25 09:38	05/15/25 23:01	PB167953

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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-6	SDG No.:	Q1982
Lab Sample ID:	Q1982-06	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
BF142399.D	1	05/12/25 09:38	05/15/25 18:40	PB167953

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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-6	SDG No.:	Q1982
Lab Sample ID:	Q1982-06	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
BF142399.D	1	05/12/25 09:38	05/15/25 18:40	PB167953

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	UQ	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	UQ	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	UQ	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	34.7	U	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	U	42.5	380	ug/Kg
56-55-3	Benzo(a)anthracene	26.6	U	26.6	200	ug/Kg
218-01-9	Chrysene	23.0	U	23.0	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.5	U	68.5	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	22.0	U	22.0	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-6	SDG No.:	Q1982
Lab Sample ID:	Q1982-06	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
BF142399.D	1	05/12/25 09:38	05/15/25 18:40	PB167953

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	84.8		18 - 112	57%	SPK: 150
13127-88-3	Phenol-d6	84.2		15 - 107	56%	SPK: 150
4165-60-0	Nitrobenzene-d5	58.5		18 - 107	59%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.8		20 - 109	52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	94.6		10 - 116	63%	SPK: 150
1718-51-0	Terphenyl-d14	49.5		10 - 105	49%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	163000	6.898			
1146-65-2	Naphthalene-d8	622000	8.181			
15067-26-2	Acenaphthene-d10	335000	9.934			
1517-22-2	Phenanthrene-d10	592000	11.422			
1719-03-5	Chrysene-d12	358000	14.063			
1520-96-3	Perylene-d12	362000	15.551			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	260	AB		5.12	ug/Kg
000119-61-9	Benzophenone	130	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	230	J		11.9	ug/Kg
074022-04-1	2,4a,8,8-Tetramethyldecahydrocyclo	180	J		13.8	ug/Kg
006385-15-5	Heptafluorobutyric acid, hexadecyl	120	J		13.9	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-6	SDG No.:	Q1982
Lab Sample ID:	Q1982-06	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
BF142399.D	1	05/12/25 09:38	05/15/25 18:40	PB167953

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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-8	SDG No.:	Q1982
Lab Sample ID:	Q1982-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.7
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142406.D	1	05/12/25 09:38	05/15/25 22:04	PB167953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	390	ug/Kg
108-95-2	Phenol	26.3	U	26.3	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.9	U	28.9	200	ug/Kg
95-57-8	2-Chlorophenol	29.1	U	29.1	200	ug/Kg
95-48-7	2-Methylphenol	35.6	U	35.6	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	44.7	U	44.7	200	ug/Kg
98-86-2	Acetophenone	35.1	U	35.1	200	ug/Kg
65794-96-9	3+4-Methylphenols	49.0	U	49.0	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	56.5	U	56.5	95.3	ug/Kg
67-72-1	Hexachloroethane	21.0	U	21.0	200	ug/Kg
98-95-3	Nitrobenzene	21.8	U	21.8	200	ug/Kg
78-59-1	Isophorone	39.1	U	39.1	200	ug/Kg
88-75-5	2-Nitrophenol	69.3	U	69.3	200	ug/Kg
105-67-9	2,4-Dimethylphenol	77.2	U	77.2	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	36.7	U	36.7	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.7	U	33.7	200	ug/Kg
91-20-3	Naphthalene	27.0	U	27.0	200	ug/Kg
106-47-8	4-Chloroaniline	42.2	U	42.2	200	ug/Kg
87-68-3	Hexachlorobutadiene	30.1	U	30.1	200	ug/Kg
105-60-2	Caprolactam	62.1	U	62.1	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	34.2	U	34.2	200	ug/Kg
91-57-6	2-Methylnaphthalene	30.5	U	30.5	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.6	U	23.6	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34.7	U	34.7	200	ug/Kg
92-52-4	1,1-Biphenyl	26.0	U	26.0	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.8	U	26.8	200	ug/Kg
88-74-4	2-Nitroaniline	57.3	U	57.3	200	ug/Kg
131-11-3	Dimethylphthalate	32.3	U	32.3	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-8	SDG No.:	Q1982
Lab Sample ID:	Q1982-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.7
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142406.D	1	05/12/25 09:38	05/15/25 22:04	PB167953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	34.4	U	34.4	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	40.0	U	40.0	200	ug/Kg
99-09-2	3-Nitroaniline	54.8	U	54.8	200	ug/Kg
83-32-9	Acenaphthene	25.4	U	25.4	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	390	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	390	ug/Kg
132-64-9	Dibenzofuran	27.0	U	27.0	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.7	UQ	59.7	200	ug/Kg
84-66-2	Diethylphthalate	33.7	U	33.7	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	31.8	U	31.8	200	ug/Kg
86-73-7	Fluorene	30.1	U	30.1	200	ug/Kg
100-01-6	4-Nitroaniline	76.5	UQ	76.5	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	39.2	U	39.2	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	33.1	U	33.1	200	ug/Kg
118-74-1	Hexachlorobenzene	30.1	U	30.1	200	ug/Kg
1912-24-9	Atrazine	40.5	U	40.5	200	ug/Kg
87-86-5	Pentachlorophenol	61.1	UQ	61.1	390	ug/Kg
85-01-8	Phenanthrene	24.9	U	24.9	200	ug/Kg
120-12-7	Anthracene	39.7	U	39.7	200	ug/Kg
86-74-8	Carbazole	37.2	U	37.2	200	ug/Kg
84-74-2	Di-n-butylphthalate	57.1	U	57.1	200	ug/Kg
206-44-0	Fluoranthene	35.7	U	35.7	200	ug/Kg
129-00-0	Pyrene	42.9	U	42.9	200	ug/Kg
85-68-7	Butylbenzylphthalate	85.0	U	85.0	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	43.7	U	43.7	390	ug/Kg
56-55-3	Benzo(a)anthracene	27.4	U	27.4	200	ug/Kg
218-01-9	Chrysene	23.7	U	23.7	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	170	J	70.5	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	22.6	U	22.6	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-8	SDG No.:	Q1982
Lab Sample ID:	Q1982-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.7
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142406.D	1	05/12/25 09:38	05/15/25 22:04	PB167953

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	35.1	U	35.1	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34.7	U	34.7	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32.6	U	32.6	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	30.6	U	30.6	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	30.5	U	30.5	200	ug/Kg
123-91-1	1,4-Dioxane	53.8	U	53.8	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.6	U	32.6	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	83.4		18 - 112	56%	SPK: 150
13127-88-3	Phenol-d6	82.3		15 - 107	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	56.9		18 - 107	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	54.8		20 - 109	55%	SPK: 100
118-79-6	2,4,6-Tribromophenol	91.7		10 - 116	61%	SPK: 150
1718-51-0	Terphenyl-d14	44.8		10 - 105	45%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	160000	6.898			
1146-65-2	Naphthalene-d8	605000	8.181			
15067-26-2	Acenaphthene-d10	321000	9.939			
1517-22-2	Phenanthrene-d10	518000	11.422			
1719-03-5	Chrysene-d12	356000	14.063			
1520-96-3	Perylene-d12	279000	15.551			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	260	AB		5.12	ug/Kg
000119-61-9	Benzophenone	130	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	210	J		11.9	ug/Kg
007365-36-8	Heptafluorobutyric acid, n-tetrade	140	J		13.9	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-8	SDG No.:	Q1982
Lab Sample ID:	Q1982-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.7
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142406.D	1	05/12/25 09:38	05/15/25 22:04	PB167953

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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-9	SDG No.:	Q1982
Lab Sample ID:	Q1982-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81.3
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
BP024647.D	1	05/13/25 09:05	05/15/25 21:25	PB167973

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	27.1	U	27.1	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	29.8	U	29.8	210	ug/Kg
95-57-8	2-Chlorophenol	29.9	U	29.9	210	ug/Kg
95-48-7	2-Methylphenol	36.7	U	36.7	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	46.0	U	46.0	210	ug/Kg
98-86-2	Acetophenone	36.2	U	36.2	210	ug/Kg
65794-96-9	3+4-Methylphenols	50.4	U	50.4	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	58.2	U	58.2	98.2	ug/Kg
67-72-1	Hexachloroethane	21.6	U	21.6	210	ug/Kg
98-95-3	Nitrobenzene	22.5	U	22.5	210	ug/Kg
78-59-1	Isophorone	40.3	U	40.3	210	ug/Kg
88-75-5	2-Nitrophenol	71.4	U	71.4	210	ug/Kg
105-67-9	2,4-Dimethylphenol	79.5	U	79.5	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	37.8	U	37.8	210	ug/Kg
120-83-2	2,4-Dichlorophenol	34.7	U	34.7	210	ug/Kg
91-20-3	Naphthalene	27.9	U	27.9	210	ug/Kg
106-47-8	4-Chloroaniline	43.4	U	43.4	210	ug/Kg
87-68-3	Hexachlorobutadiene	31.0	U	31.0	210	ug/Kg
105-60-2	Caprolactam	63.9	U	63.9	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	35.2	U	35.2	210	ug/Kg
91-57-6	2-Methylnaphthalene	31.4	U	31.4	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	24.3	U	24.3	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	35.7	U	35.7	210	ug/Kg
92-52-4	1,1-Biphenyl	26.8	U	26.8	210	ug/Kg
91-58-7	2-Chloronaphthalene	27.6	U	27.6	210	ug/Kg
88-74-4	2-Nitroaniline	59.0	U	59.0	210	ug/Kg
131-11-3	Dimethylphthalate	33.3	U	33.3	210	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-9	SDG No.:	Q1982
Lab Sample ID:	Q1982-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81.3
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
BP024647.D	1	05/13/25 09:05	05/15/25 21:25	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	35.5	U	35.5	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	41.2	U	41.2	210	ug/Kg
99-09-2	3-Nitroaniline	56.4	U	56.4	210	ug/Kg
83-32-9	Acenaphthene	26.1	U	26.1	210	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	400	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	400	ug/Kg
132-64-9	Dibenzofuran	27.9	U	27.9	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	61.5	U	61.5	210	ug/Kg
84-66-2	Diethylphthalate	34.7	U	34.7	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	32.8	U	32.8	210	ug/Kg
86-73-7	Fluorene	31.0	U	31.0	210	ug/Kg
100-01-6	4-Nitroaniline	78.8	U	78.8	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	40.4	U	40.4	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	34.1	U	34.1	210	ug/Kg
118-74-1	Hexachlorobenzene	31.0	U	31.0	210	ug/Kg
1912-24-9	Atrazine	41.7	U	41.7	210	ug/Kg
87-86-5	Pentachlorophenol	63.0	UQ	63.0	400	ug/Kg
85-01-8	Phenanthrene	25.6	U	25.6	210	ug/Kg
120-12-7	Anthracene	40.9	U	40.9	210	ug/Kg
86-74-8	Carbazole	38.3	U	38.3	210	ug/Kg
84-74-2	Di-n-butylphthalate	58.8	U	58.8	210	ug/Kg
206-44-0	Fluoranthene	120	J	36.8	210	ug/Kg
129-00-0	Pyrene	230		44.2	210	ug/Kg
85-68-7	Butylbenzylphthalate	87.6	U	87.6	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	45.0	U	45.0	400	ug/Kg
56-55-3	Benzo(a)anthracene	28.2	U	28.2	210	ug/Kg
218-01-9	Chrysene	90.4	J	24.4	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	72.6	U	72.6	210	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	J	23.3	210	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-9	SDG No.:	Q1982
Lab Sample ID:	Q1982-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81.3
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
BP024647.D	1	05/13/25 09:05	05/15/25 21:25	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	27.5	U	27.5	210	ug/Kg
50-32-8	Benzo(a)pyrene	140	J	36.2	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	35.7	U	35.7	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	33.6	U	33.6	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	120	J	31.5	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	31.4	U	31.4	210	ug/Kg
123-91-1	1,4-Dioxane	55.5	U	55.5	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	33.6	U	33.6	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	80.9		18 - 112	54%	SPK: 150
13127-88-3	Phenol-d6	79.9		15 - 107	53%	SPK: 150
4165-60-0	Nitrobenzene-d5	44.5		18 - 107	45%	SPK: 100
321-60-8	2-Fluorobiphenyl	44.5		20 - 109	45%	SPK: 100
118-79-6	2,4,6-Tribromophenol	77.1		10 - 116	51%	SPK: 150
1718-51-0	Terphenyl-d14	42.0		10 - 105	42%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	166000	7.663			
1146-65-2	Naphthalene-d8	644000	10.428			
15067-26-2	Acenaphthene-d10	391000	14.292			
1517-22-2	Phenanthrene-d10	756000	17.092			
1719-03-5	Chrysene-d12	888000	21.516			
1520-96-3	Perylene-d12	1080000	24.804			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	190	AB		4.83	ug/Kg
000119-61-9	Benzophenone	140	J		15.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	310	J		18.0	ug/Kg
007715-44-8	2(1H)-Phenanthrenone, 3,4,4a,4b,5,	120	J		20.3	ug/Kg
000295-48-7	Cyclopentadecane	150	J		21.2	ug/Kg
005085-72-3	D:A-Friedooleanan-3-ol, (3.alpha.)	270	J		21.7	ug/Kg

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Report of Analysis

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Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-9	SDG No.:	Q1982
Lab Sample ID:	Q1982-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81.3
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
BP024647.D	1	05/13/25 09:05	05/15/25 21:25	PB167973

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

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

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

QC SUMMARY

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

SW-846

SDG No.: Q1982

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167953BL	PB167953BL	2-Fluorophenol	150	121	81		18	112
		Phenol-d6	150	118	79		15	107
		Nitrobenzene-d5	100	82.6	83		18	107
		2-Fluorobiphenyl	100	75.0	75		20	109
		2,4,6-Tribromophenol	150	132	88		10	116
		Terphenyl-d14	100	75.6	76		10	105
PB167953BS	PB167953BS	2-Fluorophenol	150	121	81		18	112
		Phenol-d6	150	120	80		15	107
		Nitrobenzene-d5	100	83.1	83		18	107
		2-Fluorobiphenyl	100	73.4	73		20	109
		2,4,6-Tribromophenol	150	141	94		10	116
		Terphenyl-d14	100	77.8	78		10	105
Q1982-01	TP-1	2-Fluorophenol	150	87.9	59		18	112
		Phenol-d6	150	88.6	59		15	107
		Nitrobenzene-d5	100	59.0	59		18	107
		2-Fluorobiphenyl	100	53.8	54		20	109
		2,4,6-Tribromophenol	150	106	70		10	116
		Terphenyl-d14	100	45.5	45		10	105
Q1982-02	TP-2B	2-Fluorophenol	150	77.3	52		18	112
		Phenol-d6	150	81.0	54		15	107
		Nitrobenzene-d5	100	54.3	54		18	107
		2-Fluorobiphenyl	100	49.1	49		20	109
		2,4,6-Tribromophenol	150	94.8	63		10	116
		Terphenyl-d14	100	49.7	50		10	105
Q1982-03	TP-3	2-Fluorophenol	150	96.2	64		18	112
		Phenol-d6	150	97.0	65		15	107
		Nitrobenzene-d5	100	65.2	65		18	107
		2-Fluorobiphenyl	100	58.1	58		20	109
		2,4,6-Tribromophenol	150	118	79		10	116
		Terphenyl-d14	100	51.1	51		10	105
Q1982-03MS	TP-3MS	2-Fluorophenol	150	76.3	51		18	112
		Phenol-d6	150	79.0	53		15	107
		Nitrobenzene-d5	100	50.2	50		18	107
		2-Fluorobiphenyl	100	45.9	46		20	109
		2,4,6-Tribromophenol	150	92.6	62		10	116
		Terphenyl-d14	100	44.4	44		10	105
Q1982-03MSD	TP-3MSD	2-Fluorophenol	150	76.0	51		18	112
		Phenol-d6	150	77.9	52		15	107
		Nitrobenzene-d5	100	50.0	50		18	107
		2-Fluorobiphenyl	100	45.5	45		20	109
		2,4,6-Tribromophenol	150	89.1	59		10	116
		Terphenyl-d14	100	44.1	44		10	105
Q1982-04	TP-4	2-Fluorophenol	150	79.9	53		18	112
		Phenol-d6	150	79.6	53		15	107
		Nitrobenzene-d5	100	56.8	57		18	107
		2-Fluorobiphenyl	100	56.2	56		20	109
		2,4,6-Tribromophenol	150	79.6	53		10	116
		Terphenyl-d14	100	50.1	50		10	105
Q1982-05	TP-5	2-Fluorophenol	150	79.9	53		18	112
		Phenol-d6	150	80.6	54		15	107
		Nitrobenzene-d5	100	54.7	55		18	107

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Surrogate Summary

SW-846

SDG No.: Q1982

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q1982-05	TP-5	2-Fluorobiphenyl	100	51.1	51		20	109
		2,4,6-Tribromophenol	150	81.5	54		10	116
		Terphenyl-d14	100	39.2	39		10	105
Q1982-06	TP-6	2-Fluorophenol	150	84.8	57		18	112
		Phenol-d6	150	84.2	56		15	107
		Nitrobenzene-d5	100	58.5	59		18	107
		2-Fluorobiphenyl	100	51.8	52		20	109
		2,4,6-Tribromophenol	150	94.6	63		10	116
		Terphenyl-d14	100	49.5	49		10	105
Q1982-07	TP-8	2-Fluorophenol	150	83.4	56		18	112
		Phenol-d6	150	82.3	55		15	107
		Nitrobenzene-d5	100	56.9	57		18	107
		2-Fluorobiphenyl	100	54.8	55		20	109
		2,4,6-Tribromophenol	150	91.7	61		10	116
		Terphenyl-d14	100	44.8	45		10	105

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Surrogate Summary

SW-846

SDG No.: Q1982

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167973BL	PB167973BL	2-Fluorophenol	150	144	96		18	112
		Phenol-d6	150	137	92		15	107
		Nitrobenzene-d5	100	82.1	82		18	107
		2-Fluorobiphenyl	100	78.7	79		20	109
		2,4,6-Tribromophenol	150	144	96		10	116
		Terphenyl-d14	100	84.5	85		10	105
PB167973BS	PB167973BS	2-Fluorophenol	150	134	89		18	112
		Phenol-d6	150	133	89		15	107
		Nitrobenzene-d5	100	75.8	76		18	107
		2-Fluorobiphenyl	100	74.5	74		20	109
		2,4,6-Tribromophenol	150	134	89		10	116
		Terphenyl-d14	100	76.0	76		10	105
Q1982-08	TP-9	2-Fluorophenol	150	80.9	54		18	112
		Phenol-d6	150	79.9	53		15	107
		Nitrobenzene-d5	100	44.5	45		18	107
		2-Fluorobiphenyl	100	44.5	45		20	109
		2,4,6-Tribromophenol	150	77.1	51		10	116
		Terphenyl-d14	100	42.0	42		10	105
Q2010-02MS	TP-13MS	2-Fluorophenol	150	88.5	59		18	112
		Phenol-d6	150	85.6	57		15	107
		Nitrobenzene-d5	100	50.9	51		18	107
		2-Fluorobiphenyl	100	50.9	51		20	109
		2,4,6-Tribromophenol	150	87.7	58		10	116
		Terphenyl-d14	100	48.7	49		10	105
Q2010-02MSD	TP-13MSD	2-Fluorophenol	150	90.4	60		18	112
		Phenol-d6	150	88.1	59		15	107
		Nitrobenzene-d5	100	52.4	52		18	107
		2-Fluorobiphenyl	100	50.9	51		20	109
		2,4,6-Tribromophenol	150	86.5	58		10	116
		Terphenyl-d14	100	49.8	50		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1982

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: Q1982-03MS		**Client Sample ID: TP-3MS**						**DataFile: BF142366.D**			
Benzaldehyde	1800	0	1500	ug/Kg	83				10	86	
Phenol	1800	0	1800	ug/Kg	100				67	126	
bis(2-Chloroethyl)ether	1800	0	1300	ug/Kg	72				54	125	
2-Chlorophenol	1800	0	1700	ug/Kg	94				79	107	
2-Methylphenol	1800	0	1600	ug/Kg	89				66	122	
2,2-oxybis(1-Chloropropane)	1800	0	1500	ug/Kg	83				65	110	
Acetophenone	1800	0	1500	ug/Kg	83				75	111	
3+4-Methylphenols	1800	0	1700	ug/Kg	94				66	104	
N-Nitroso-di-n-propylamine	1800	0	1600	ug/Kg	89				59	119	
Hexachloroethane	1800	0	1600	ug/Kg	89				65	117	
Nitrobenzene	1800	0	1700	ug/Kg	94				70	119	
Isophorone	1800	0	1600	ug/Kg	89				76	122	
2-Nitrophenol	1800	0	1800	ug/Kg	100				54	145	
2,4-Dimethylphenol	1800	0	1600	ug/Kg	89				44	135	
bis(2-Chloroethoxy)methane	1800	0	1500	ug/Kg	83				68	112	
2,4-Dichlorophenol	1800	0	1700	ug/Kg	94				72	118	
Naphthalene	1800	0	1500	ug/Kg	83				72	110	
4-Chloroaniline	1800	0	640	ug/Kg	36				10	91	
Hexachlorobutadiene	1800	0	1500	ug/Kg	83				66	114	
Caprolactam	1800	0	2100	ug/Kg	117				51	134	
4-Chloro-3-methylphenol	1800	0	1800	ug/Kg	100				57	132	
2-Methylnaphthalene	1800	0	1600	ug/Kg	89				59	123	
Hexachlorocyclopentadiene	3700	0	3100	ug/Kg	84				10	175	
2,4,6-Trichlorophenol	1800	0	1700	ug/Kg	94				72	117	
2,4,5-Trichlorophenol	1800	0	1700	ug/Kg	94				72	117	
1,1-Biphenyl	1800	0	1500	ug/Kg	83				75	113	
2-Chloronaphthalene	1800	0	1500	ug/Kg	83				67	118	
2-Nitroaniline	1800	0	1900	ug/Kg	106				69	127	
Dimethylphthalate	1800	0	1700	ug/Kg	94				70	113	
Acenaphthylene	1800	0	1600	ug/Kg	89				79	118	
2,6-Dinitrotoluene	1800	0	1900	ug/Kg	106				70	125	
3-Nitroaniline	1800	0	1400	ug/Kg	78				30	99	
Acenaphthene	1800	0	1700	ug/Kg	94				70	121	
2,4-Dinitrophenol	3700	0	4400	ug/Kg	119				10	155	
4-Nitrophenol	3700	0	4400	ug/Kg	119				45	133	
Dibenzofuran	1800	0	1600	ug/Kg	89				72	110	
2,4-Dinitrotoluene	1800	0	2200	ug/Kg	122				55	128	
Diethylphthalate	1800	0	1700	ug/Kg	94				70	112	
4-Chlorophenyl-phenylether	1800	0	1600	ug/Kg	89				71	108	
Fluorene	1800	0	1600	ug/Kg	89				68	116	
4-Nitroaniline	1800	0	2400	ug/Kg	133	*			55	120	
4,6-Dinitro-2-methylphenol	1800	0	2000	ug/Kg	111				10	160	
N-Nitrosodiphenylamine	1800	0	1500	ug/Kg	83				73	118	
4-Bromophenyl-phenylether	1800	0	1500	ug/Kg	83				65	121	
Hexachlorobenzene	1800	0	1600	ug/Kg	89				67	118	
Atrazine	1800	0	1900	ug/Kg	106				79	127	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1982

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	3700	0	3800	ug/Kg	103				47	128	
Phenanthrene	1800	0	1500	ug/Kg	83				52	128	
Anthracene	1800	0	1500	ug/Kg	83				62	124	
Carbazole	1800	0	1600	ug/Kg	89				59	119	
Di-n-butylphthalate	1800	0	1900	ug/Kg	106				69	118	
Fluoranthene	1800	0	1700	ug/Kg	94				44	125	
Pyrene	1800	0	1400	ug/Kg	78				26	142	
Butylbenzylphthalate	1800	0	2000	ug/Kg	111				64	126	
3,3-Dichlorobenzidine	1800	0	1400	ug/Kg	78				33	116	
Benzo(a)anthracene	1800	0	1600	ug/Kg	89				71	114	
Chrysene	1800	0	1500	ug/Kg	83				57	121	
bis(2-Ethylhexyl)phthalate	1800	170	2100	ug/Kg	107				42	169	
Di-n-octyl phthalate	1800	0	1900	ug/Kg	106				23	175	
Benzo(b)fluoranthene	1800	0	1800	ug/Kg	100				67	121	
Benzo(k)fluoranthene	1800	0	1500	ug/Kg	83				57	134	
Benzo(a)pyrene	1800	0	1700	ug/Kg	94				70	142	
Indeno(1,2,3-cd)pyrene	1800	0	1300	ug/Kg	72				40	129	
Dibenz(a,h)anthracene	1800	0	1300	ug/Kg	72				43	123	
Benzo(g,h,i)perylene	1800	0	1200	ug/Kg	67				24	125	
1,2,4,5-Tetrachlorobenzene	1800	0	1400	ug/Kg	78				69	124	
1,4-Dioxane	1800	0	1300	ug/Kg	72				46	112	
2,3,4,6-Tetrachlorophenol	1800	0	1900	ug/Kg	106				69	112	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1982

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: Q1982-03MSD		**Client Sample ID: TP-3MSD**						**DataFile: BF142367.D**			
Benzaldehyde	1800	0	1500	ug/Kg	83		0		10	86	20
Phenol	1800	0	1700	ug/Kg	94		6		67	126	20
bis(2-Chloroethyl)ether	1800	0	1300	ug/Kg	72		0		54	125	20
2-Chlorophenol	1800	0	1700	ug/Kg	94		0		79	107	20
2-Methylphenol	1800	0	1600	ug/Kg	89		0		66	122	20
2,2-oxybis(1-Chloropropane)	1800	0	1500	ug/Kg	83		0		65	110	20
Acetophenone	1800	0	1500	ug/Kg	83		0		75	111	20
3+4-Methylphenols	1800	0	1600	ug/Kg	89		5		66	104	20
N-Nitroso-di-n-propylamine	1800	0	1600	ug/Kg	89		0		59	119	20
Hexachloroethane	1800	0	1600	ug/Kg	89		0		65	117	20
Nitrobenzene	1800	0	1600	ug/Kg	89		5		70	119	20
Isophorone	1800	0	1600	ug/Kg	89		0		76	122	20
2-Nitrophenol	1800	0	1800	ug/Kg	100		0		54	145	20
2,4-Dimethylphenol	1800	0	1600	ug/Kg	89		0		44	135	20
bis(2-Chloroethoxy)methane	1800	0	1500	ug/Kg	83		0		68	112	20
2,4-Dichlorophenol	1800	0	1700	ug/Kg	94		0		72	118	20
Naphthalene	1800	0	1500	ug/Kg	83		0		72	110	20
4-Chloroaniline	1800	0	710	ug/Kg	39		8		10	91	20
Hexachlorobutadiene	1800	0	1500	ug/Kg	83		0		66	114	20
Caprolactam	1800	0	2000	ug/Kg	111		5		51	134	20
4-Chloro-3-methylphenol	1800	0	1700	ug/Kg	94		6		57	132	20
2-Methylnaphthalene	1800	0	1600	ug/Kg	89		0		59	123	20
Hexachlorocyclopentadiene	3700	0	3200	ug/Kg	86		2		10	175	20
2,4,6-Trichlorophenol	1800	0	1700	ug/Kg	94		0		72	117	20
2,4,5-Trichlorophenol	1800	0	1700	ug/Kg	94		0		72	117	20
1,1-Biphenyl	1800	0	1500	ug/Kg	83		0		75	113	20
2-Chloronaphthalene	1800	0	1500	ug/Kg	83		0		67	118	20
2-Nitroaniline	1800	0	1800	ug/Kg	100		6		69	127	20
Dimethylphthalate	1800	0	1600	ug/Kg	89		5		70	113	20
Acenaphthylene	1800	0	1500	ug/Kg	83		7		79	118	20
2,6-Dinitrotoluene	1800	0	1900	ug/Kg	106		0		70	125	20
3-Nitroaniline	1800	0	1300	ug/Kg	72		8		30	99	20
Acenaphthene	1800	0	1700	ug/Kg	94		0		70	121	20
2,4-Dinitrophenol	3700	0	4200	ug/Kg	114		4		10	155	20
4-Nitrophenol	3700	0	4100	ug/Kg	111		7		45	133	20
Dibenzofuran	1800	0	1500	ug/Kg	83		7		72	110	20
2,4-Dinitrotoluene	1800	0	2100	ug/Kg	117		4		55	128	20
Diethylphthalate	1800	0	1600	ug/Kg	89		5		70	112	20
4-Chlorophenyl-phenylether	1800	0	1600	ug/Kg	89		0		71	108	20
Fluorene	1800	0	1500	ug/Kg	83		7		68	116	20
4-Nitroaniline	1800	0	2300	ug/Kg	128	*	4		55	120	20
4,6-Dinitro-2-methylphenol	1800	0	2000	ug/Kg	111		0		10	160	20
N-Nitrosodiphenylamine	1800	0	1500	ug/Kg	83		0		73	118	20
4-Bromophenyl-phenylether	1800	0	1500	ug/Kg	83		0		65	121	20
Hexachlorobenzene	1800	0	1500	ug/Kg	83		7		67	118	20
Atrazine	1800	0	1900	ug/Kg	106		0		79	127	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1982

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	3700	0	3700	ug/Kg	100		3		47	128	20
Phenanthrene	1800	0	1500	ug/Kg	83		0		52	128	20
Anthracene	1800	0	1500	ug/Kg	83		0		62	124	20
Carbazole	1800	0	1600	ug/Kg	89		0		59	119	20
Di-n-butylphthalate	1800	0	1900	ug/Kg	106		0		69	118	20
Fluoranthene	1800	0	1700	ug/Kg	94		0		44	125	20
Pyrene	1800	0	1400	ug/Kg	78		0		26	142	20
Butylbenzylphthalate	1800	0	2000	ug/Kg	111		0		64	126	20
3,3-Dichlorobenzidine	1800	0	1400	ug/Kg	78		0		33	116	20
Benzo(a)anthracene	1800	0	1500	ug/Kg	83		7		71	114	20
Chrysene	1800	0	1600	ug/Kg	89		7		57	121	20
bis(2-Ethylhexyl)phthalate	1800	170	2100	ug/Kg	107		0		42	169	20
Di-n-octyl phthalate	1800	0	1800	ug/Kg	100		6		23	175	20
Benzo(b)fluoranthene	1800	0	1600	ug/Kg	89		12		67	121	20
Benzo(k)fluoranthene	1800	0	1700	ug/Kg	94		12		57	134	20
Benzo(a)pyrene	1800	0	1600	ug/Kg	89		5		70	142	20
Indeno(1,2,3-cd)pyrene	1800	0	1400	ug/Kg	78		8		40	129	20
Dibenz(a,h)anthracene	1800	0	1400	ug/Kg	78		8		43	123	20
Benzo(g,h,i)perylene	1800	0	1300	ug/Kg	72		7		24	125	20
1,2,4,5-Tetrachlorobenzene	1800	0	1400	ug/Kg	78		0		69	124	20
1,4-Dioxane	1800	0	1300	ug/Kg	72		0		46	112	20
2,3,4,6-Tetrachlorophenol	1800	0	1800	ug/Kg	100		6		69	112	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1982

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: Q2010-02MS		**Client Sample ID: TP-13MS**						**DataFile: BP024638.D**			
Benzaldehyde	2000	0	1600	ug/Kg	80				10	86	
Phenol	2000	0	1800	ug/Kg	90				67	126	
bis(2-Chloroethyl)ether	2000	0	1600	ug/Kg	80				54	125	
2-Chlorophenol	2000	0	1800	ug/Kg	90				79	107	
2-Methylphenol	2000	0	1700	ug/Kg	85				66	122	
2,2-oxybis(1-Chloropropane)	2000	0	1600	ug/Kg	80				65	110	
Acetophenone	2000	0	1600	ug/Kg	80				75	111	
3+4-Methylphenols	2000	0	1600	ug/Kg	80				66	104	
N-Nitroso-di-n-propylamine	2000	0	1400	ug/Kg	70				59	119	
Hexachloroethane	2000	0	1600	ug/Kg	80				65	117	
Nitrobenzene	2000	0	1800	ug/Kg	90				70	119	
Isophorone	2000	0	1700	ug/Kg	85				76	122	
2-Nitrophenol	2000	0	2000	ug/Kg	100				54	145	
2,4-Dimethylphenol	2000	0	1900	ug/Kg	95				44	135	
bis(2-Chloroethoxy)methane	2000	0	1700	ug/Kg	85				68	112	
2,4-Dichlorophenol	2000	0	1900	ug/Kg	95				72	118	
Naphthalene	2000	0	1800	ug/Kg	90				72	110	
4-Chloroaniline	2000	0	1100	ug/Kg	55				10	91	
Hexachlorobutadiene	2000	0	1800	ug/Kg	90				66	114	
Caprolactam	2000	0	1900	ug/Kg	95				51	134	
4-Chloro-3-methylphenol	2000	0	1800	ug/Kg	90				57	132	
2-Methylnaphthalene	2000	0	1700	ug/Kg	85				59	123	
Hexachlorocyclopentadiene	3900	0	4500	ug/Kg	115				10	175	
2,4,6-Trichlorophenol	2000	0	2000	ug/Kg	100				72	117	
2,4,5-Trichlorophenol	2000	0	2000	ug/Kg	100				72	117	
1,1-Biphenyl	2000	0	1800	ug/Kg	90				75	113	
2-Chloronaphthalene	2000	0	1800	ug/Kg	90				67	118	
2-Nitroaniline	2000	0	1900	ug/Kg	95				69	127	
Dimethylphthalate	2000	0	1800	ug/Kg	90				70	113	
Acenaphthylene	2000	0	1800	ug/Kg	90				79	118	
2,6-Dinitrotoluene	2000	0	1800	ug/Kg	90				70	125	
3-Nitroaniline	2000	0	1300	ug/Kg	65				30	99	
Acenaphthene	2000	0	1800	ug/Kg	90				70	121	
2,4-Dinitrophenol	3900	0	3800	ug/Kg	97				10	155	
4-Nitrophenol	3900	0	3800	ug/Kg	97				45	133	
Dibenzofuran	2000	0	1800	ug/Kg	90				72	110	
2,4-Dinitrotoluene	2000	0	1900	ug/Kg	95				55	128	
Diethylphthalate	2000	0	1800	ug/Kg	90				70	112	
4-Chlorophenyl-phenylether	2000	0	1800	ug/Kg	90				71	108	
Fluorene	2000	0	1800	ug/Kg	90				68	116	
4-Nitroaniline	2000	0	2000	ug/Kg	100				55	120	
4,6-Dinitro-2-methylphenol	2000	0	2000	ug/Kg	100				10	160	
N-Nitrosodiphenylamine	2000	0	1800	ug/Kg	90				73	118	
4-Bromophenyl-phenylether	2000	0	1800	ug/Kg	90				65	121	
Hexachlorobenzene	2000	0	1800	ug/Kg	90				67	118	
Atrazine	2000	0	1900	ug/Kg	95				79	127	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1982

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	3900	0	4300	ug/Kg	110				47	128	
Phenanthrene	2000	0	1800	ug/Kg	90				52	128	
Anthracene	2000	0	1800	ug/Kg	90				62	124	
Carbazole	2000	0	1900	ug/Kg	95				59	119	
Di-n-butylphthalate	2000	0	1900	ug/Kg	95				69	118	
Fluoranthene	2000	0	1800	ug/Kg	90				44	125	
Pyrene	2000	0	1900	ug/Kg	95				26	142	
Butylbenzylphthalate	2000	0	2000	ug/Kg	100				64	126	
3,3-Dichlorobenzidine	2000	0	1300	ug/Kg	65				33	116	
Benzo(a)anthracene	2000	0	1800	ug/Kg	90				71	114	
Chrysene	2000	0	1800	ug/Kg	90				57	121	
bis(2-Ethylhexyl)phthalate	2000	0	2000	ug/Kg	100				42	169	
Di-n-octyl phthalate	2000	0	2100	ug/Kg	105				23	175	
Benzo(b)fluoranthene	2000	0	1900	ug/Kg	95				67	121	
Benzo(k)fluoranthene	2000	0	1800	ug/Kg	90				57	134	
Benzo(a)pyrene	2000	0	1900	ug/Kg	95				70	142	
Indeno(1,2,3-cd)pyrene	2000	0	1900	ug/Kg	95				40	129	
Dibenz(a,h)anthracene	2000	0	1900	ug/Kg	95				43	123	
Benzo(g,h,i)perylene	2000	0	1900	ug/Kg	95				24	125	
1,2,4,5-Tetrachlorobenzene	2000	0	1900	ug/Kg	95				69	124	
1,4-Dioxane	2000	0	1500	ug/Kg	75				46	112	
2,3,4,6-Tetrachlorophenol	2000	0	1900	ug/Kg	95				69	112	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1982

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: Q2010-02MSD		**Client Sample ID: TP-13MSD**						**DataFile: BP024639.D**			
Benzaldehyde	2000	0	1600	ug/Kg	80	0			10	86	20
Phenol	2000	0	1900	ug/Kg	95	5			67	126	20
bis(2-Chloroethyl)ether	2000	0	1700	ug/Kg	85	6			54	125	20
2-Chlorophenol	2000	0	1900	ug/Kg	95	5			79	107	20
2-Methylphenol	2000	0	1800	ug/Kg	90	6			66	122	20
2,2-oxybis(1-Chloropropane)	2000	0	1700	ug/Kg	85	6			65	110	20
Acetophenone	2000	0	1800	ug/Kg	90	12			75	111	20
3+4-Methylphenols	2000	0	1800	ug/Kg	90	12			66	104	20
N-Nitroso-di-n-propylamine	2000	0	1600	ug/Kg	80	13			59	119	20
Hexachloroethane	2000	0	1700	ug/Kg	85	6			65	117	20
Nitrobenzene	2000	0	1800	ug/Kg	90	0			70	119	20
Isophorone	2000	0	1700	ug/Kg	85	0			76	122	20
2-Nitrophenol	2000	0	2000	ug/Kg	100	0			54	145	20
2,4-Dimethylphenol	2000	0	1900	ug/Kg	95	0			44	135	20
bis(2-Chloroethoxy)methane	2000	0	1800	ug/Kg	90	6			68	112	20
2,4-Dichlorophenol	2000	0	1900	ug/Kg	95	0			72	118	20
Naphthalene	2000	0	1800	ug/Kg	90	0			72	110	20
4-Chloroaniline	2000	0	1100	ug/Kg	55	0			10	91	20
Hexachlorobutadiene	2000	0	1800	ug/Kg	90	0			66	114	20
Caprolactam	2000	0	1800	ug/Kg	90	5			51	134	20
4-Chloro-3-methylphenol	2000	0	1800	ug/Kg	90	0			57	132	20
2-Methylnaphthalene	2000	0	1800	ug/Kg	90	6			59	123	20
Hexachlorocyclopentadiene	3900	0	4500	ug/Kg	115	0			10	175	20
2,4,6-Trichlorophenol	2000	0	2000	ug/Kg	100	0			72	117	20
2,4,5-Trichlorophenol	2000	0	2000	ug/Kg	100	0			72	117	20
1,1-Biphenyl	2000	0	1900	ug/Kg	95	5			75	113	20
2-Chloronaphthalene	2000	0	1900	ug/Kg	95	5			67	118	20
2-Nitroaniline	2000	0	2000	ug/Kg	100	5			69	127	20
Dimethylphthalate	2000	0	1800	ug/Kg	90	0			70	113	20
Acenaphthylene	2000	0	1800	ug/Kg	90	0			79	118	20
2,6-Dinitrotoluene	2000	0	1800	ug/Kg	90	0			70	125	20
3-Nitroaniline	2000	0	1300	ug/Kg	65	0			30	99	20
Acenaphthene	2000	0	1800	ug/Kg	90	0			70	121	20
2,4-Dinitrophenol	3900	0	3800	ug/Kg	97	0			10	155	20
4-Nitrophenol	3900	0	3800	ug/Kg	97	0			45	133	20
Dibenzofuran	2000	0	1800	ug/Kg	90	0			72	110	20
2,4-Dinitrotoluene	2000	0	1900	ug/Kg	95	0			55	128	20
Diethylphthalate	2000	0	1800	ug/Kg	90	0			70	112	20
4-Chlorophenyl-phenylether	2000	0	1800	ug/Kg	90	0			71	108	20
Fluorene	2000	0	1800	ug/Kg	90	0			68	116	20
4-Nitroaniline	2000	0	1900	ug/Kg	95	5			55	120	20
4,6-Dinitro-2-methylphenol	2000	0	2000	ug/Kg	100	0			10	160	20
N-Nitrosodiphenylamine	2000	0	1900	ug/Kg	95	5			73	118	20
4-Bromophenyl-phenylether	2000	0	1900	ug/Kg	95	5			65	121	20
Hexachlorobenzene	2000	0	1800	ug/Kg	90	0			67	118	20
Atrazine	2000	0	1900	ug/Kg	95	0			79	127	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1982

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	3900	0	4300	ug/Kg	110	0			47	128	20
Phenanthrene	2000	0	1800	ug/Kg	90	0			52	128	20
Anthracene	2000	0	1800	ug/Kg	90	0			62	124	20
Carbazole	2000	0	1900	ug/Kg	95	0			59	119	20
Di-n-butylphthalate	2000	0	1900	ug/Kg	95	0			69	118	20
Fluoranthene	2000	0	1800	ug/Kg	90	0			44	125	20
Pyrene	2000	0	1900	ug/Kg	95	0			26	142	20
Butylbenzylphthalate	2000	0	2000	ug/Kg	100	0			64	126	20
3,3-Dichlorobenzidine	2000	0	1300	ug/Kg	65	0			33	116	20
Benzo(a)anthracene	2000	0	1900	ug/Kg	95	5			71	114	20
Chrysene	2000	0	1800	ug/Kg	90	0			57	121	20
bis(2-Ethylhexyl)phthalate	2000	0	1900	ug/Kg	95	5			42	169	20
Di-n-octyl phthalate	2000	0	2000	ug/Kg	100	5			23	175	20
Benzo(b)fluoranthene	2000	0	1900	ug/Kg	95	0			67	121	20
Benzo(k)fluoranthene	2000	0	1800	ug/Kg	90	0			57	134	20
Benzo(a)pyrene	2000	0	1900	ug/Kg	95	0			70	142	20
Indeno(1,2,3-cd)pyrene	2000	0	1900	ug/Kg	95	0			40	129	20
Dibenz(a,h)anthracene	2000	0	1900	ug/Kg	95	0			43	123	20
Benzo(g,h,i)perylene	2000	0	1900	ug/Kg	95	0			24	125	20
1,2,4,5-Tetrachlorobenzene	2000	0	1900	ug/Kg	95	0			69	124	20
1,4-Dioxane	2000	0	1500	ug/Kg	75	0			46	112	20
2,3,4,6-Tetrachlorophenol	2000	0	1900	ug/Kg	95	0			69	112	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1982

Client: CDM Smith

Analytical Method: 8270E **DataFile:** BF142419.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167953BS	Benzaldehyde	1700	1400	ug/Kg	82				10	133	
	Phenol	1700	1500	ug/Kg	88				62	112	
	bis(2-Chloroethyl)ether	1700	1200	ug/Kg	71				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	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1400	ug/Kg	82				66	98	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1800	ug/Kg	106				61	111	
	2,4-Dimethylphenol	1700	1500	ug/Kg	88				46	141	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				66	97	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	270	ug/Kg	16				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1700	ug/Kg	100				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	3200	ug/Kg	97				45	165	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				59	102	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1700	ug/Kg	100				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1400	ug/Kg	82				63	101	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				61	104	
	3-Nitroaniline	1700	840	ug/Kg	49				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	4000	ug/Kg	121				37	128	
	4-Nitrophenol	3300	3500	ug/Kg	106				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	
	2,4-Dinitrotoluene	1700	1900	ug/Kg	112		*		60	106	
	Diethylphthalate	1700	1400	ug/Kg	82				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1900	ug/Kg	112		*		64	103	
	4,6-Dinitro-2-methylphenol	1700	1900	ug/Kg	112				76	113	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				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.: Q1982

Client: CDM Smith

Analytical Method: 8270E **DataFile:** BF142419.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167953BS	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1700	ug/Kg	100				47	152	
	Pentachlorophenol	3300	3500	ug/Kg	106		*		67	105	
	Phenanthrene	1700	1400	ug/Kg	82				59	103	
	Anthracene	1700	1400	ug/Kg	82				61	105	
	Carbazole	1700	1400	ug/Kg	82				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1400	ug/Kg	82				57	107	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103	
	3,3-Dichlorobenzidine	1700	1200	ug/Kg	71				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1400	ug/Kg	82				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				54	135	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				52	137	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(k)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(a)pyrene	1700	1500	ug/Kg	88				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1982

Client: CDM Smith

Analytical Method: 8270E **DataFile:** BP024636.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167973BS	Benzaldehyde	1700	1200	ug/Kg	71				10	133	
	Phenol	1700	1500	ug/Kg	88				62	112	
	bis(2-Chloroethyl)ether	1700	1300	ug/Kg	76				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	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1400	ug/Kg	82				66	98	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1300	ug/Kg	76				63	95	
	Hexachloroethane	1700	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				46	141	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				66	97	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	640	ug/Kg	38				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	3400	ug/Kg	103				45	165	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				59	102	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99	
	Acenaphthylene	1700	1400	ug/Kg	82				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	1000	ug/Kg	59				28	100	
	Acenaphthene	1700	1400	ug/Kg	82				57	104	
	2,4-Dinitrophenol	3300	3100	ug/Kg	94				37	128	
	4-Nitrophenol	3300	3000	ug/Kg	91				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1600	ug/Kg	94				64	103	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				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.: Q1982

Client: CDM Smith

Analytical Method: 8270E **DataFile:** BP024636.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167973BS	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98	
	Atrazine	1700	1500	ug/Kg	88				47	152	
	Pentachlorophenol	3300	3500	ug/Kg	106		*		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	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103	
	3,3-Dichlorobenzidine	1700	1000	ug/Kg	59				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	1600	ug/Kg	94				54	135	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				52	137	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167953BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

Lab File ID: BF142394.D Lab Sample ID: PB167953BL

Instrument ID: BNA_F Date Extracted: 05/12/2025

Matrix: (soil/water) SOIL Date Analyzed: 05/15/2025

Level: (low/med) LOW Time Analyzed: 16:10

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
TP-6	Q1982-06	BF142399.D	05/15/2025
TP-8	Q1982-07	BF142406.D	05/15/2025
TP-5	Q1982-05	BF142408.D	05/15/2025
TP-4	Q1982-04	BF142413.D	05/16/2025
PB167953BS	PB167953BS	BF142419.D	05/16/2025
TP-1	Q1982-01	BF142364.D	05/14/2025
TP-2B	Q1982-02	BF142378.D	05/14/2025
TP-3	Q1982-03	BF142365.D	05/14/2025
TP-3MS	Q1982-03MS	BF142366.D	05/14/2025
TP-3MSD	Q1982-03MSD	BF142367.D	05/14/2025

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167973BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

Lab File ID: BP024635.D Lab Sample ID: PB167973BL

Instrument ID: BNA_P Date Extracted: 05/13/2025

Matrix: (soil/water) SOIL Date Analyzed: 05/15/2025

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
PB167973BS	PB167973BS	BP024636.D	05/15/2025
TP-9	Q1982-08	BP024647.D	05/15/2025
TP-13MS	Q2010-02MS	BP024638.D	05/15/2025
TP-13MSD	Q2010-02MSD	BP024639.D	05/15/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q1982 SDG NO.: Q1982

Lab File ID: BF142294.D DFTPP Injection Date: 05/05/2025

Instrument ID: BNA_F DFTPP Injection Time: 13:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	41.3
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	33.3
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	45.1
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	29.4
365	Greater than 1% of mass 198	3.9
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	19.6 (19.6) 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
SSTDICC2.5	SSTDICC2.5	BF142295.D	05/05/2025	13:54
SSTDICC005	SSTDICC005	BF142296.D	05/05/2025	14:23
SSTDICC010	SSTDICC010	BF142297.D	05/05/2025	14:52
SSTDICC020	SSTDICC020	BF142298.D	05/05/2025	15:21
SSTDICCC040	SSTDICCC040	BF142299.D	05/05/2025	15:50
SSTDICC050	SSTDICC050	BF142300.D	05/05/2025	16:18
SSTDICC060	SSTDICC060	BF142301.D	05/05/2025	16:47
SSTDICC080	SSTDICC080	BF142302.D	05/05/2025	17:15

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q1982 SDG NO.: Q1982

Lab File ID: BF142359.D DFTPP Injection Date: 05/14/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:22

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	41.4
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	34.6
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	45.5
197	Less than 2.0% of mass 198	0.7
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	19.0
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 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	BF142360.D	05/14/2025	12:19
TP-1	Q1982-01	BF142364.D	05/14/2025	14:23
TP-3	Q1982-03	BF142365.D	05/14/2025	14:51
TP-3MS	Q1982-03MS	BF142366.D	05/14/2025	15:20
TP-3MSD	Q1982-03MSD	BF142367.D	05/14/2025	15:48
TP-2B	Q1982-02	BF142378.D	05/14/2025	21:06

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q1982 SDG NO.: Q1982

Lab File ID: BF142392.D DFTPP Injection Date: 05/15/2025

Instrument ID: BNA_F DFTPP Injection Time: 14:27

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	41.8
68	Less than 2.0% of mass 69	0.6 (1.9) 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	46.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.0
275	10.0 - 60.0% of mass 198	28.1
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	16.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142393.D	05/15/2025	15:41
PB167953BL	PB167953BL	BF142394.D	05/15/2025	16:10
TP-6	Q1982-06	BF142399.D	05/15/2025	18:40
TP-8	Q1982-07	BF142406.D	05/15/2025	22:04
TP-5	Q1982-05	BF142408.D	05/15/2025	23:01
TP-4	Q1982-04	BF142413.D	05/16/2025	01:27

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q1982 SDG NO.: Q1982

Lab File ID: BF142415.D DFTPP Injection Date: 05/16/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:16

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.3
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	33.6
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	45.5
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	29.2
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	19.8
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	BF142416.D	05/16/2025	09:45
PB167953BS	PB167953BS	BF142419.D	05/16/2025	11:13

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q1982 SDG NO.: Q1982

Lab File ID: BP024613.D DFTPP Injection Date: 05/13/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.5
68	Less than 2.0% of mass 69	0.2 (0.6) 1
69	Mass 69 relative abundance	36.2
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	49.3
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	33.1
365	Greater than 1% of mass 198	5.4
441	Present, but less than mass 443	19.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (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
SSTDICC2.5	SSTDICC2.5	BP024614.D	05/13/2025	10:41
SSTDICC005	SSTDICC005	BP024615.D	05/13/2025	11:22
SSTDICC010	SSTDICC010	BP024616.D	05/13/2025	12:03
SSTDICC020	SSTDICC020	BP024617.D	05/13/2025	12:43
SSTDICCC040	SSTDICCC040	BP024618.D	05/13/2025	13:24
SSTDICC050	SSTDICC050	BP024619.D	05/13/2025	14:05
SSTDICC060	SSTDICC060	BP024620.D	05/13/2025	14:45
SSTDICC080	SSTDICC080	BP024621.D	05/13/2025	15:26

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q1982 SDG NO.: Q1982

Lab File ID: BP024633.D DFTPP Injection Date: 05/15/2025

Instrument ID: BNA_P DFTPP Injection Time: 11:44

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.0
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	34.7
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	47.7
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	33.3
365	Greater than 1% of mass 198	5.6
441	Present, but less than mass 443	20.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP024634.D	05/15/2025	12:25
PB167973BL	PB167973BL	BP024635.D	05/15/2025	13:05
PB167973BS	PB167973BS	BP024636.D	05/15/2025	13:53
TP-13MS	Q2010-02MS	BP024638.D	05/15/2025	15:18
TP-13MSD	Q2010-02MSD	BP024639.D	05/15/2025	15:59
TP-9	Q1982-08	BP024647.D	05/15/2025	21:25

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/14/2025

Lab File ID: BF142360.D Time Analyzed: 12:19

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	186058	6.904	714913	8.19	377100	9.94
	UPPER LIMIT	372116	7.404	1429830	8.687	754200	10.439
	LOWER LIMIT	93029	6.404	357457	7.687	188550	9.439
	EPA SAMPLE NO.						
01	TP-2B	213754	6.90	843294	8.18	499403	9.94
02	TP-1	171428	6.90	665674	8.18	370105	9.93
03	TP-3	187393	6.90	720141	8.18	397265	9.94
04	TP-3MS	155049	6.90	631761	8.19	370580	9.94
05	TP-3MSD	163411	6.90	663275	8.19	383694	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.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/14/2025

Lab File ID: BF142360.D Time Analyzed: 12:19

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	635630	11.428	329863	14.069	363476	15.557
	UPPER LIMIT	1271260	11.928	659726	14.569	726952	16.057
	LOWER LIMIT	317815	10.928	164932	13.569	181738	15.057
	EPA SAMPLE NO.						
01	TP-2B	915623	11.42	567502	14.06	470991	15.55
02	TP-1	718007	11.42	611693	14.06	503779	15.55
03	TP-3	760301	11.42	624905	14.06	499846	15.56
04	TP-3MS	711855	11.43	525246	14.07	490879	15.56
05	TP-3MSD	695642	11.43	504507	14.07	463876	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.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/15/2025

Lab File ID: BF142393.D Time Analyzed: 15:41

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	168883	6.904	623039	8.19	317544	9.94
	UPPER LIMIT	337766	7.404	1246080	8.687	635088	10.439
	LOWER LIMIT	84441.5	6.404	311520	7.687	158772	9.439
	EPA SAMPLE NO.						
01	PB167953BL	167151	6.90	651521	8.18	343903	9.93
02	TP-6	163201	6.90	621833	8.18	334642	9.93
03	TP-8	160071	6.90	605054	8.18	320606	9.94
04	TP-4	176019	6.90	648776	8.19	308965	9.94
05	TP-5	156800	6.90	595096	8.18	309030	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.
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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/15/2025

Lab File ID: BF142393.D Time Analyzed: 15:41

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	516450	11.427	271993	14.063	340967	15.551
	UPPER LIMIT	1032900	11.927	543986	14.563	681934	16.051
	LOWER LIMIT	258225	10.927	135997	13.563	170484	15.051
	EPA SAMPLE NO.						
01	PB167953BL	581369	11.42	340684	14.06	283265	15.55
02	TP-6	592254	11.42	358051	14.06	361581	15.55
03	TP-8	518248	11.42	355689	14.06	278675	15.55
04	TP-4	449574	11.43	299172	14.07	224973	15.56
05	TP-5	471561	11.42	353038	14.06	254978	15.55

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/16/2025

Lab File ID: BF142416.D Time Analyzed: 09:45

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	162723	6.904	631476	8.19	337294	9.95
	UPPER LIMIT	325446	7.404	1262950	8.686	674588	10.445
	LOWER LIMIT	81361.5	6.404	315738	7.686	168647	9.445
	EPA SAMPLE NO.						
01	PB167953BS	173630	6.90	675385	8.19	366566	9.95

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.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/16/2025

Lab File ID: BF142416.D Time Analyzed: 09:45

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	570778	11.427	303020	14.068	328347	15.562
	UPPER LIMIT	1141560	11.927	606040	14.568	656694	16.062
	LOWER LIMIT	285389	10.927	151510	13.568	164174	15.062
	EPA SAMPLE NO.						
01	PB167953BS	630880	11.43	344356	14.07	359523	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.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/15/2025

Lab File ID: BP024634.D Time Analyzed: 12:25

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	130531	7.658	590490	10.43	383835	14.30
	UPPER LIMIT	261062	8.158	1180980	10.928	767670	14.804
	LOWER LIMIT	65265.5	7.158	295245	9.928	191918	13.804
	EPA SAMPLE NO.						
01	PB167973BL	146276	7.66	564318	10.43	357828	14.29
02	PB167973BS	131081	7.65	537517	10.42	347277	14.30
03	TP-9	165553	7.66	643582	10.43	391444	14.29
04	TP-13MS	165529	7.66	634360	10.43	378565	14.30
05	TP-13MSD	159501	7.66	628820	10.43	375530	14.30

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.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/15/2025

Lab File ID: BP024634.D Time Analyzed: 12:25

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	784999	17.092	868702	21.527	1013040	24.81
	UPPER LIMIT	1570000	17.592	1737400	22.027	2026080	25.31
	LOWER LIMIT	392500	16.592	434351	21.027	506520	24.31
	EPA SAMPLE NO.						
01	PB167973BL	764705	17.09	884123	21.52	966019	24.80
02	PB167973BS	706031	17.10	796554	21.53	897451	24.83
03	TP-9	756008	17.09	888340	21.52	1083560	24.80
04	TP-13MS	753325	17.10	842505	21.53	953147	24.80
05	TP-13MSD	726778	17.10	785534	21.53	909133	24.80

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

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

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

QC SAMPLE DATA

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB167953BL	SDG No.:	Q1982
Lab Sample ID:	PB167953BL	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
BF142394.D	1	05/12/25 09:38	05/15/25 16:10	PB167953

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	58.1	U	58.1	170	ug/Kg
105-67-9	2,4-Dimethylphenol	64.7	U	64.7	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	52.0	U	52.0	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:	PB167953BL	SDG No.:	Q1982
Lab Sample ID:	PB167953BL	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
BF142394.D	1	05/12/25 09:38	05/15/25 16:10	PB167953

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	50.0	U	50.0	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	64.1	U	64.1	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	51.2	U	51.2	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	71.3	U	71.3	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	59.1	U	59.1	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:	PB167953BL	SDG No.:	Q1982
Lab Sample ID:	PB167953BL	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
BF142394.D	1	05/12/25 09:38	05/15/25 16:10	PB167953

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	121		18 - 112	81%	SPK: 150
13127-88-3	Phenol-d6	118		15 - 107	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.6		18 - 107	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.0		20 - 109	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		10 - 116	88%	SPK: 150
1718-51-0	Terphenyl-d14	75.6		10 - 105	76%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	167000	6.898			
1146-65-2	Naphthalene-d8	652000	8.181			
15067-26-2	Acenaphthene-d10	344000	9.933			
1517-22-2	Phenanthrene-d10	581000	11.422			
1719-03-5	Chrysene-d12	341000	14.063			
1520-96-3	Perylene-d12	283000	15.551			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	310	A		5.14	ug/Kg

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Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	South River WM Replacement			Date Received:	
Client Sample ID:	PB167953BL			SDG No.:	Q1982
Lab Sample ID:	PB167953BL			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
BF142394.D	1	05/12/25 09:38	05/15/25 16:10	PB167953

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:	PB167973BL	SDG No.:	Q1982
Lab Sample ID:	PB167973BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024635.D	1	05/13/25 09:05	05/15/25 13:05	PB167973

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB167973BL	SDG No.:	Q1982
Lab Sample ID:	PB167973BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024635.D	1	05/13/25 09:05	05/15/25 13:05	PB167973

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB167973BL	SDG No.:	Q1982
Lab Sample ID:	PB167973BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024635.D	1	05/13/25 09:05	05/15/25 13:05	PB167973

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	144		18 - 112	96%	SPK: 150
13127-88-3	Phenol-d6	137		15 - 107	92%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.1		18 - 107	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.7		20 - 109	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	144		10 - 116	96%	SPK: 150
1718-51-0	Terphenyl-d14	84.5		10 - 105	85%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	146000	7.658			
1146-65-2	Naphthalene-d8	564000	10.434			
15067-26-2	Acenaphthene-d10	358000	14.293			
1517-22-2	Phenanthrene-d10	765000	17.087			
1719-03-5	Chrysene-d12	884000	21.516			
1520-96-3	Perylene-d12	966000	24.804			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	A		4.82	ug/Kg

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Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	South River WM Replacement			Date Received:	
Client Sample ID:	PB167973BL			SDG No.:	Q1982
Lab Sample ID:	PB167973BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024635.D	1	05/13/25 09:05	05/15/25 13:05	PB167973

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:	PB167953BS	SDG No.:	Q1982
Lab Sample ID:	PB167953BS	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
BF142419.D	1	05/12/25 09:38	05/16/25 11:13	PB167953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1400		160	330	ug/Kg
108-95-2	Phenol	1500		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1200		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)	1300		37.5	170	ug/Kg
98-86-2	Acetophenone	1400		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1500		18.3	170	ug/Kg
78-59-1	Isophorone	1400		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1800		58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1500		64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		28.3	170	ug/Kg
91-20-3	Naphthalene	1400		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	270		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		25.3	170	ug/Kg
105-60-2	Caprolactam	1700		52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3200	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	1600		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1700		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:	PB167953BS	SDG No.:	Q1982
Lab Sample ID:	PB167953BS	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
BF142419.D	1	05/12/25 09:38	05/16/25 11:13	PB167953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1400		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	840		46.0	170	ug/Kg
83-32-9	Acenaphthene	1600		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	4000	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	3500	E	110	330	ug/Kg
132-64-9	Dibenzofuran	1400		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		50.1	170	ug/Kg
84-66-2	Diethylphthalate	1400		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		26.7	170	ug/Kg
86-73-7	Fluorene	1400		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1900		64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		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	3500	E	51.3	330	ug/Kg
85-01-8	Phenanthrene	1400		20.9	170	ug/Kg
120-12-7	Anthracene	1400		33.3	170	ug/Kg
86-74-8	Carbazole	1400		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		47.9	170	ug/Kg
206-44-0	Fluoranthene	1400		30.0	170	ug/Kg
129-00-0	Pyrene	1500		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		23.0	170	ug/Kg
218-01-9	Chrysene	1400		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		19.0	170	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB167953BS	SDG No.:	Q1982
Lab Sample ID:	PB167953BS	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
BF142419.D	1	05/12/25 09:38	05/16/25 11:13	PB167953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1400		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1500		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		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	1400		25.6	170	ug/Kg
123-91-1	1,4-Dioxane	1100		45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	121		18 - 112	81%	SPK: 150
13127-88-3	Phenol-d6	120		15 - 107	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	83.1		18 - 107	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.4		20 - 109	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	141		10 - 116	94%	SPK: 150
1718-51-0	Terphenyl-d14	77.8		10 - 105	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	174000	6.904			
1146-65-2	Naphthalene-d8	675000	8.186			
15067-26-2	Acenaphthene-d10	367000	9.945			
1517-22-2	Phenanthrene-d10	631000	11.427			
1719-03-5	Chrysene-d12	344000	14.068			
1520-96-3	Perylene-d12	360000	15.556			

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:	PB167973BS	SDG No.:	Q1982
Lab Sample ID:	PB167973BS	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
BP024636.D	1	05/13/25 09:05	05/15/25 13:53	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1200		160	330	ug/Kg
108-95-2	Phenol	1500		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1300		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)	1300		37.5	170	ug/Kg
98-86-2	Acetophenone	1400		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	1300		47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	1400		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1400		18.3	170	ug/Kg
78-59-1	Isophorone	1400		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1500		58.1	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		64.7	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		28.3	170	ug/Kg
91-20-3	Naphthalene	1400		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	640		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		25.3	170	ug/Kg
105-60-2	Caprolactam	1500		52.0	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3400	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	1600		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1500		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1400		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:	PB167973BS	SDG No.:	Q1982
Lab Sample ID:	PB167973BS	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
BP024636.D	1	05/13/25 09:05	05/15/25 13:53	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1400		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	1000		46.0	170	ug/Kg
83-32-9	Acenaphthene	1400		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3100	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	3000	E	110	330	ug/Kg
132-64-9	Dibenzofuran	1500		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		50.0	170	ug/Kg
84-66-2	Diethylphthalate	1500		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		26.7	170	ug/Kg
86-73-7	Fluorene	1500		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1600		64.1	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		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	1400		25.3	170	ug/Kg
1912-24-9	Atrazine	1500		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	3500	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	1500		47.9	170	ug/Kg
206-44-0	Fluoranthene	1500		30.0	170	ug/Kg
129-00-0	Pyrene	1500		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		71.3	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		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	1600		59.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		19.0	170	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB167973BS	SDG No.:	Q1982
Lab Sample ID:	PB167973BS	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
BP024636.D	1	05/13/25 09:05	05/15/25 13:53	PB167973

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	1500		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	1600		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	1100		45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	134		18 - 112	89%	SPK: 150
13127-88-3	Phenol-d6	133		15 - 107	89%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.8		18 - 107	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.5		20 - 109	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	134		10 - 116	89%	SPK: 150
1718-51-0	Terphenyl-d14	76.0		10 - 105	76%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	131000	7.646			
1146-65-2	Naphthalene-d8	538000	10.422			
15067-26-2	Acenaphthene-d10	347000	14.298			
1517-22-2	Phenanthrene-d10	706000	17.098			
1719-03-5	Chrysene-d12	797000	21.533			
1520-96-3	Perylene-d12	897000	24.827			

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:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-3MS	SDG No.:	Q1982
Lab Sample ID:	Q1982-03MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.7
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
BF142366.D	1	05/12/25 09:38	05/14/25 15:20	PB167953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1500		170	360	ug/Kg
108-95-2	Phenol	1800		24.3	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1300		26.7	190	ug/Kg
95-57-8	2-Chlorophenol	1700		26.9	190	ug/Kg
95-48-7	2-Methylphenol	1600		32.9	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		41.3	190	ug/Kg
98-86-2	Acetophenone	1500		32.5	190	ug/Kg
65794-96-9	3+4-Methylphenols	1700		45.2	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		52.2	88.1	ug/Kg
67-72-1	Hexachloroethane	1600		19.4	190	ug/Kg
98-95-3	Nitrobenzene	1700		20.1	190	ug/Kg
78-59-1	Isophorone	1600		36.1	190	ug/Kg
88-75-5	2-Nitrophenol	1800		64.1	190	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		71.3	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		33.9	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		31.1	190	ug/Kg
91-20-3	Naphthalene	1500		25.0	190	ug/Kg
106-47-8	4-Chloroaniline	640		39.0	190	ug/Kg
87-68-3	Hexachlorobutadiene	1500		27.8	190	ug/Kg
105-60-2	Caprolactam	2100		57.3	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		31.6	190	ug/Kg
91-57-6	2-Methylnaphthalene	1600		28.2	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3100	E	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		21.8	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		32.0	190	ug/Kg
92-52-4	1,1-Biphenyl	1500		24.0	190	ug/Kg
91-58-7	2-Chloronaphthalene	1500		24.8	190	ug/Kg
88-74-4	2-Nitroaniline	1900		52.9	190	ug/Kg
131-11-3	Dimethylphthalate	1700		29.8	190	ug/Kg

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-3MS	SDG No.:	Q1982
Lab Sample ID:	Q1982-03MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.7
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
BF142366.D	1	05/12/25 09:38	05/14/25 15:20	PB167953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1600		31.8	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900		37.0	190	ug/Kg
99-09-2	3-Nitroaniline	1400		50.6	190	ug/Kg
83-32-9	Acenaphthene	1700		23.4	190	ug/Kg
51-28-5	2,4-Dinitrophenol	4400	E	250	360	ug/Kg
100-02-7	4-Nitrophenol	4400	E	120	360	ug/Kg
132-64-9	Dibenzofuran	1600		25.0	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	2200		55.1	190	ug/Kg
84-66-2	Diethylphthalate	1700		31.1	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		29.4	190	ug/Kg
86-73-7	Fluorene	1600		27.8	190	ug/Kg
100-01-6	4-Nitroaniline	2400		70.7	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2000		110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		36.2	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		30.6	190	ug/Kg
118-74-1	Hexachlorobenzene	1600		27.8	190	ug/Kg
1912-24-9	Atrazine	1900		37.4	190	ug/Kg
87-86-5	Pentachlorophenol	3800	E	56.5	360	ug/Kg
85-01-8	Phenanthrene	1500		23.0	190	ug/Kg
120-12-7	Anthracene	1500		36.7	190	ug/Kg
86-74-8	Carbazole	1600		34.3	190	ug/Kg
84-74-2	Di-n-butylphthalate	1900		52.7	190	ug/Kg
206-44-0	Fluoranthene	1700		33.0	190	ug/Kg
129-00-0	Pyrene	1400		39.6	190	ug/Kg
85-68-7	Butylbenzylphthalate	2000		78.6	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		40.4	360	ug/Kg
56-55-3	Benzo(a)anthracene	1600		25.3	190	ug/Kg
218-01-9	Chrysene	1500		21.9	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2100		65.2	190	ug/Kg
117-84-0	Di-n-octyl phthalate	1900		95.5	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		20.9	190	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-3MS	SDG No.:	Q1982
Lab Sample ID:	Q1982-03MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.7
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
BF142366.D	1	05/12/25 09:38	05/14/25 15:20	PB167953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1500		24.7	190	ug/Kg
50-32-8	Benzo(a)pyrene	1700		32.5	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1300		32.0	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1300		30.2	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		28.3	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		28.2	190	ug/Kg
123-91-1	1,4-Dioxane	1300		49.8	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		30.2	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	76.3		18 - 112	51%	SPK: 150
13127-88-3	Phenol-d6	79.0		15 - 107	53%	SPK: 150
4165-60-0	Nitrobenzene-d5	50.2		18 - 107	50%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.9		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	92.6		10 - 116	62%	SPK: 150
1718-51-0	Terphenyl-d14	44.4		10 - 105	44%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	155000	6.898			
1146-65-2	Naphthalene-d8	632000	8.186			
15067-26-2	Acenaphthene-d10	371000	9.939			
1517-22-2	Phenanthrene-d10	712000	11.427			
1719-03-5	Chrysene-d12	525000	14.068			
1520-96-3	Perylene-d12	491000	15.557			

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:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-13MS	SDG No.:	Q1982
Lab Sample ID:	Q2010-02MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.4
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
BP024638.D	1	05/13/25 09:05	05/15/25 15:18	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1600		180	390	ug/Kg
108-95-2	Phenol	1800		26.1	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		28.7	200	ug/Kg
95-57-8	2-Chlorophenol	1800		28.9	200	ug/Kg
95-48-7	2-Methylphenol	1700		35.4	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		44.4	200	ug/Kg
98-86-2	Acetophenone	1600		34.9	200	ug/Kg
65794-96-9	3+4-Methylphenols	1600		48.6	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		56.1	94.6	ug/Kg
67-72-1	Hexachloroethane	1600		20.8	200	ug/Kg
98-95-3	Nitrobenzene	1800		21.6	200	ug/Kg
78-59-1	Isophorone	1700		38.8	200	ug/Kg
88-75-5	2-Nitrophenol	2000		68.8	200	ug/Kg
105-67-9	2,4-Dimethylphenol	1900		76.6	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		36.4	200	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		33.5	200	ug/Kg
91-20-3	Naphthalene	1800		26.9	200	ug/Kg
106-47-8	4-Chloroaniline	1100		41.9	200	ug/Kg
87-68-3	Hexachlorobutadiene	1800		29.9	200	ug/Kg
105-60-2	Caprolactam	1900		61.6	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		33.9	200	ug/Kg
91-57-6	2-Methylnaphthalene	1700		30.3	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4500	E	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2000		23.4	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2000		34.4	200	ug/Kg
92-52-4	1,1-Biphenyl	1800		25.8	200	ug/Kg
91-58-7	2-Chloronaphthalene	1800		26.6	200	ug/Kg
88-74-4	2-Nitroaniline	1900		56.9	200	ug/Kg
131-11-3	Dimethylphthalate	1800		32.1	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-13MS	SDG No.:	Q1982
Lab Sample ID:	Q2010-02MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.4
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
BP024638.D	1	05/13/25 09:05	05/15/25 15:18	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1800		34.2	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		39.7	200	ug/Kg
99-09-2	3-Nitroaniline	1300		54.4	200	ug/Kg
83-32-9	Acenaphthene	1800		25.2	200	ug/Kg
51-28-5	2,4-Dinitrophenol	3800	E	270	390	ug/Kg
100-02-7	4-Nitrophenol	3800	E	130	390	ug/Kg
132-64-9	Dibenzofuran	1800		26.9	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		59.3	200	ug/Kg
84-66-2	Diethylphthalate	1800		33.5	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		31.6	200	ug/Kg
86-73-7	Fluorene	1800		29.9	200	ug/Kg
100-01-6	4-Nitroaniline	2000		75.9	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2000		120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		38.9	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		32.9	200	ug/Kg
118-74-1	Hexachlorobenzene	1800		29.9	200	ug/Kg
1912-24-9	Atrazine	1900		40.2	200	ug/Kg
87-86-5	Pentachlorophenol	4300	E	60.7	390	ug/Kg
85-01-8	Phenanthrene	1800		24.7	200	ug/Kg
120-12-7	Anthracene	1800		39.4	200	ug/Kg
86-74-8	Carbazole	1900		36.9	200	ug/Kg
84-74-2	Di-n-butylphthalate	1900		56.7	200	ug/Kg
206-44-0	Fluoranthene	1800		35.5	200	ug/Kg
129-00-0	Pyrene	1900		42.6	200	ug/Kg
85-68-7	Butylbenzylphthalate	2000		84.5	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		43.4	390	ug/Kg
56-55-3	Benzo(a)anthracene	1800		27.2	200	ug/Kg
218-01-9	Chrysene	1800		23.5	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2000		70.0	200	ug/Kg
117-84-0	Di-n-octyl phthalate	2100		100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		22.5	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-13MS	SDG No.:	Q1982
Lab Sample ID:	Q2010-02MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.4
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
BP024638.D	1	05/13/25 09:05	05/15/25 15:18	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1800		26.5	200	ug/Kg
50-32-8	Benzo(a)pyrene	1900		34.9	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1900		34.4	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		32.4	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1900		30.4	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		30.3	200	ug/Kg
123-91-1	1,4-Dioxane	1500		53.5	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		32.4	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	88.5		18 - 112	59%	SPK: 150
13127-88-3	Phenol-d6	85.6		15 - 107	57%	SPK: 150
4165-60-0	Nitrobenzene-d5	50.9		18 - 107	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.9		20 - 109	51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	87.7		10 - 116	58%	SPK: 150
1718-51-0	Terphenyl-d14	48.7		10 - 105	49%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	166000	7.658			
1146-65-2	Naphthalene-d8	634000	10.428			
15067-26-2	Acenaphthene-d10	379000	14.298			
1517-22-2	Phenanthrene-d10	753000	17.098			
1719-03-5	Chrysene-d12	843000	21.527			
1520-96-3	Perylene-d12	953000	24.798			

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:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-3MSD	SDG No.:	Q1982
Lab Sample ID:	Q1982-03MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142367.D	1	05/12/25 09:38	05/14/25 15:48	PB167953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1500		170	360	ug/Kg
108-95-2	Phenol	1700		24.3	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1300		26.8	190	ug/Kg
95-57-8	2-Chlorophenol	1700		26.9	190	ug/Kg
95-48-7	2-Methylphenol	1600		32.9	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		41.3	190	ug/Kg
98-86-2	Acetophenone	1500		32.5	190	ug/Kg
65794-96-9	3+4-Methylphenols	1600		45.3	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		52.2	88.1	ug/Kg
67-72-1	Hexachloroethane	1600		19.4	190	ug/Kg
98-95-3	Nitrobenzene	1600		20.2	190	ug/Kg
78-59-1	Isophorone	1600		36.1	190	ug/Kg
88-75-5	2-Nitrophenol	1800		64.1	190	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		71.4	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		33.9	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		31.2	190	ug/Kg
91-20-3	Naphthalene	1500		25.0	190	ug/Kg
106-47-8	4-Chloroaniline	710		39.0	190	ug/Kg
87-68-3	Hexachlorobutadiene	1500		27.9	190	ug/Kg
105-60-2	Caprolactam	2000		57.4	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		31.6	190	ug/Kg
91-57-6	2-Methylnaphthalene	1600		28.2	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3200	E	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		21.8	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		32.1	190	ug/Kg
92-52-4	1,1-Biphenyl	1500		24.0	190	ug/Kg
91-58-7	2-Chloronaphthalene	1500		24.8	190	ug/Kg
88-74-4	2-Nitroaniline	1800		53.0	190	ug/Kg
131-11-3	Dimethylphthalate	1600		29.8	190	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-3MSD	SDG No.:	Q1982
Lab Sample ID:	Q1982-03MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142367.D	1	05/12/25 09:38	05/14/25 15:48	PB167953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1500		31.8	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900		37.0	190	ug/Kg
99-09-2	3-Nitroaniline	1300		50.7	190	ug/Kg
83-32-9	Acenaphthene	1700		23.5	190	ug/Kg
51-28-5	2,4-Dinitrophenol	4200	E	250	360	ug/Kg
100-02-7	4-Nitrophenol	4100	E	120	360	ug/Kg
132-64-9	Dibenzofuran	1500		25.0	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	2100		55.2	190	ug/Kg
84-66-2	Diethylphthalate	1600		31.2	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		29.4	190	ug/Kg
86-73-7	Fluorene	1500		27.9	190	ug/Kg
100-01-6	4-Nitroaniline	2300		70.7	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2000		110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		36.2	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		30.6	190	ug/Kg
118-74-1	Hexachlorobenzene	1500		27.9	190	ug/Kg
1912-24-9	Atrazine	1900		37.4	190	ug/Kg
87-86-5	Pentachlorophenol	3700	E	56.5	360	ug/Kg
85-01-8	Phenanthrene	1500		23.0	190	ug/Kg
120-12-7	Anthracene	1500		36.7	190	ug/Kg
86-74-8	Carbazole	1600		34.4	190	ug/Kg
84-74-2	Di-n-butylphthalate	1900		52.8	190	ug/Kg
206-44-0	Fluoranthene	1700		33.0	190	ug/Kg
129-00-0	Pyrene	1400		39.7	190	ug/Kg
85-68-7	Butylbenzylphthalate	2000		78.6	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		40.4	360	ug/Kg
56-55-3	Benzo(a)anthracene	1500		25.3	190	ug/Kg
218-01-9	Chrysene	1600		21.9	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2100		65.2	190	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		95.6	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		20.9	190	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-3MSD	SDG No.:	Q1982
Lab Sample ID:	Q1982-03MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142367.D	1	05/12/25 09:38	05/14/25 15:48	PB167953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1700		24.7	190	ug/Kg
50-32-8	Benzo(a)pyrene	1600		32.5	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		32.1	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		30.2	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		28.3	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		28.2	190	ug/Kg
123-91-1	1,4-Dioxane	1300		49.8	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		30.2	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	76.0		18 - 112	51%	SPK: 150
13127-88-3	Phenol-d6	77.9		15 - 107	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	50.0		18 - 107	50%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.5		20 - 109	45%	SPK: 100
118-79-6	2,4,6-Tribromophenol	89.1		10 - 116	59%	SPK: 150
1718-51-0	Terphenyl-d14	44.1		10 - 105	44%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	163000	6.898			
1146-65-2	Naphthalene-d8	663000	8.186			
15067-26-2	Acenaphthene-d10	384000	9.939			
1517-22-2	Phenanthrene-d10	696000	11.427			
1719-03-5	Chrysene-d12	505000	14.068			
1520-96-3	Perylene-d12	464000	15.557			

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:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-13MSD	SDG No.:	Q1982
Lab Sample ID:	Q2010-02MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.4
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
BP024639.D	1	05/13/25 09:05	05/15/25 15:59	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1600		180	390	ug/Kg
108-95-2	Phenol	1900		26.2	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		28.8	200	ug/Kg
95-57-8	2-Chlorophenol	1900		28.9	200	ug/Kg
95-48-7	2-Methylphenol	1800		35.4	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		44.4	200	ug/Kg
98-86-2	Acetophenone	1800		34.9	200	ug/Kg
65794-96-9	3+4-Methylphenols	1800		48.7	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		56.1	94.8	ug/Kg
67-72-1	Hexachloroethane	1700		20.8	200	ug/Kg
98-95-3	Nitrobenzene	1800		21.7	200	ug/Kg
78-59-1	Isophorone	1700		38.8	200	ug/Kg
88-75-5	2-Nitrophenol	2000		68.9	200	ug/Kg
105-67-9	2,4-Dimethylphenol	1900		76.8	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		36.5	200	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		33.5	200	ug/Kg
91-20-3	Naphthalene	1800		26.9	200	ug/Kg
106-47-8	4-Chloroaniline	1100		41.9	200	ug/Kg
87-68-3	Hexachlorobutadiene	1800		30.0	200	ug/Kg
105-60-2	Caprolactam	1800		61.7	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		34.0	200	ug/Kg
91-57-6	2-Methylnaphthalene	1800		30.3	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4500	E	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2000		23.5	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2000		34.5	200	ug/Kg
92-52-4	1,1-Biphenyl	1900		25.8	200	ug/Kg
91-58-7	2-Chloronaphthalene	1900		26.6	200	ug/Kg
88-74-4	2-Nitroaniline	2000		57.0	200	ug/Kg
131-11-3	Dimethylphthalate	1800		32.1	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-13MSD	SDG No.:	Q1982
Lab Sample ID:	Q2010-02MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.4
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
BP024639.D	1	05/13/25 09:05	05/15/25 15:59	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1800		34.2	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		39.8	200	ug/Kg
99-09-2	3-Nitroaniline	1300		54.5	200	ug/Kg
83-32-9	Acenaphthene	1800		25.2	200	ug/Kg
51-28-5	2,4-Dinitrophenol	3800	E	270	390	ug/Kg
100-02-7	4-Nitrophenol	3800	E	130	390	ug/Kg
132-64-9	Dibenzofuran	1800		26.9	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		59.3	200	ug/Kg
84-66-2	Diethylphthalate	1800		33.5	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		31.6	200	ug/Kg
86-73-7	Fluorene	1800		30.0	200	ug/Kg
100-01-6	4-Nitroaniline	1900		76.0	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2000		120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1900		39.0	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1900		32.9	200	ug/Kg
118-74-1	Hexachlorobenzene	1800		30.0	200	ug/Kg
1912-24-9	Atrazine	1900		40.3	200	ug/Kg
87-86-5	Pentachlorophenol	4300	E	60.8	390	ug/Kg
85-01-8	Phenanthrene	1800		24.8	200	ug/Kg
120-12-7	Anthracene	1800		39.4	200	ug/Kg
86-74-8	Carbazole	1900		37.0	200	ug/Kg
84-74-2	Di-n-butylphthalate	1900		56.7	200	ug/Kg
206-44-0	Fluoranthene	1800		35.5	200	ug/Kg
129-00-0	Pyrene	1900		42.6	200	ug/Kg
85-68-7	Butylbenzylphthalate	2000		84.6	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		43.5	390	ug/Kg
56-55-3	Benzo(a)anthracene	1900		27.2	200	ug/Kg
218-01-9	Chrysene	1800		23.6	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1900		70.1	200	ug/Kg
117-84-0	Di-n-octyl phthalate	2000		100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		22.5	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-13MSD	SDG No.:	Q1982
Lab Sample ID:	Q2010-02MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.4
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
BP024639.D	1	05/13/25 09:05	05/15/25 15:59	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1800		26.5	200	ug/Kg
50-32-8	Benzo(a)pyrene	1900		34.9	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1900		34.5	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		32.5	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1900		30.4	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		30.3	200	ug/Kg
123-91-1	1,4-Dioxane	1500		53.5	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		32.5	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	90.4		18 - 112	60%	SPK: 150
13127-88-3	Phenol-d6	88.1		15 - 107	59%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.4		18 - 107	52%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.9		20 - 109	51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	86.5		10 - 116	58%	SPK: 150
1718-51-0	Terphenyl-d14	49.8		10 - 105	50%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	160000	7.657			
1146-65-2	Naphthalene-d8	629000	10.428			
15067-26-2	Acenaphthene-d10	376000	14.298			
1517-22-2	Phenanthrene-d10	727000	17.104			
1719-03-5	Chrysene-d12	786000	21.527			
1520-96-3	Perylene-d12	909000	24.798			

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-BF050525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon May 05 18:41:44 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF142295.D 5 =BF142296.D 10 =BF142297.D 20 =BF142298.D 40 =BF142299.D 50 =BF142300.D 60 =BF142301.D 80 =BF1423
02.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.553	0.527	0.535	0.503	0.543	0.521	0.511	0.528	3.36
3)		Pyridine		1.159	1.233	1.210	1.176	1.311	1.312	1.270	1.239	4.99
4)		n-Nitrosodimet...		0.718	0.707	0.729	0.696	0.759	0.726	0.705	0.720	2.88
5)	S	2-Fluorophenol		1.212	1.177	1.211	1.126	1.224	1.165	1.086	1.172	4.35
6)		Aniline		0.955	1.370	1.568	1.467	1.543	1.519	1.472	1.413	15.03
7)	S	Phenol-d6		1.510	1.458	1.489	1.375	1.500	1.419	1.336	1.441	4.64
8)		2-Chlorophenol		1.202	1.223	1.263	1.221	1.346	1.283	1.225	1.252	4.00
9)		Benzaldehyde		1.049	0.959	0.903	0.734	0.752	0.663		0.843	17.74
10)	C	Phenol		1.599	1.528	1.584	1.472	1.580	1.524	1.405	1.527	4.55
11)		bis(2-Chloroet...		1.789	1.543	1.510	1.353	1.516	1.441	1.392	1.506	9.49
12)		1,3-Dichlorobe...		1.555	1.505	1.466	1.347	1.477	1.379	1.298	1.432	6.48
13)	C	1,4-Dichlorobe...		1.562	1.499	1.486	1.364	1.476	1.386	1.294	1.438	6.46
14)		1,2-Dichlorobe...		1.480	1.432	1.415	1.317	1.424	1.340	1.254	1.380	5.71
15)		Benzyl Alcohol		0.816	0.843	0.933	0.928	1.030	1.008	0.972	0.933	8.56
16)		2,2'-oxybis(1-...		2.379	2.310	2.325	2.135	2.341	2.211	2.044	2.249	5.48
17)		2-Methylphenol		1.033	1.008	1.022	0.972	1.070	1.013	0.978	1.014	3.30
18)		Hexachloroethane		0.473	0.464	0.488	0.463	0.511	0.487	0.463	0.478	3.78
19)	P	n-Nitroso-di-n...	0.840	0.943	0.915	0.918	0.860	0.933	0.885	0.837	0.891	4.69
20)		3+4-Methylphenols		1.354	1.281	1.322	1.218	1.333	1.226	1.121	1.265	6.48
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.505	0.474	0.464	0.416	0.446	0.419	0.389	0.445	8.95
23)	S	Nitrobenzene-d5		0.289	0.304	0.336	0.327	0.360	0.348	0.332	0.328	7.48
24)		Nitrobenzene		0.281	0.293	0.316	0.306	0.337	0.325	0.305	0.309	6.05
25)		Isophorone		0.639	0.623	0.630	0.586	0.648	0.622	0.598	0.621	3.53
26)	C	2-Nitrophenol		0.089	0.097	0.121	0.132	0.154	0.155	0.155	0.129	21.55
27)		2,4-Dimethylph...		0.311	0.314	0.321	0.298	0.329	0.314	0.299	0.312	3.55
28)		bis(2-Chloroet...		0.430	0.414	0.418	0.374	0.408	0.386	0.366	0.399	6.09
29)	C	2,4-Dichloroph...		0.245	0.251	0.278	0.263	0.288	0.274	0.260	0.265	5.71
30)		1,2,4-Trichlor...		0.329	0.309	0.309	0.281	0.304	0.289	0.271	0.299	6.60
31)		Naphthalene		1.102	1.031	1.028	0.906	0.978	0.906	0.835	0.969	9.52
32)		Benzoic acid			0.084	0.117	0.140	0.178	0.186	0.194	0.150	29.22
33)		4-Chloroaniline		0.373	0.373	0.398	0.383	0.435	0.415	0.392	0.396	5.80
34)	C	Hexachlorobuta...		0.188	0.182	0.181	0.168	0.185	0.173	0.162	0.177	5.32
35)		Caprolactam		0.063	0.068	0.078	0.079	0.088	0.083	0.082	0.077	11.39
36)	C	4-Chloro-3-met...		0.281	0.270	0.283	0.265	0.290	0.279	0.262	0.276	3.68
37)		2-Methylnaphth...		0.672	0.636	0.635	0.569	0.615	0.568	0.521	0.602	8.60
38)		1-Methylnaphth...		0.710	0.675	0.665	0.594	0.630	0.587	0.535	0.628	9.59

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF050525.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.600	0.586	0.586	0.515	0.574	0.538	0.512	0.559	6.51
41)	P	Hexachlorocycl...	0.286	0.303	0.349	0.343	0.388	0.379	0.369	0.345	11.16
42)	S	2,4,6-Tribromo...	0.161	0.176	0.198	0.191	0.218	0.210	0.197	0.193	10.16
43)	C	2,4,6-Trichlor...	0.306	0.320	0.360	0.351	0.393	0.371	0.365	0.352	8.53
44)		2,4,5-Trichlor...	0.339	0.353	0.390	0.363	0.413	0.397	0.369	0.375	7.00
45)	S	2-Fluorobiphenyl	1.737	1.605	1.532	1.272	1.337	1.246	1.090	1.403	16.29
46)		1,1'-Biphenyl	1.727	1.641	1.637	1.411	1.567	1.442	1.310	1.533	9.75
47)		2-Chloronaphth...	1.256	1.198	1.193	1.058	1.155	1.106	1.018	1.140	7.40
48)		2-Nitroaniline	0.205	0.240	0.292	0.298	0.344	0.337	0.330	0.292	17.90
49)		Acenaphthylene	2.083	2.025	2.009	1.783	1.958	1.830	1.665	1.908	7.94
50)		Dimethylphthalate	1.338	1.295	1.344	1.210	1.342	1.275	1.186	1.284	5.04
51)		2,6-Dinitrotol...	0.172	0.206	0.242	0.245	0.280	0.273	0.263	0.240	16.19
52)	C	Acenaphthene	1.260	1.191	1.200	1.066	1.180	1.111	1.021	1.147	7.32
53)		3-Nitroaniline	0.206	0.238	0.288	0.286	0.329	0.319	0.307	0.282	15.80
54)	P	2,4-Dinitrophenol		0.062	0.083	0.097	0.120	0.124	0.127	0.102	25.44
55)		Dibenzofuran	1.932	1.790	1.801	1.555	1.711	1.609	1.453	1.693	9.72
56)	P	4-Nitrophenol	0.159	0.178	0.210	0.214	0.253	0.240	0.231	0.212	15.82
57)		2,4-Dinitrotol...	0.222	0.250	0.303	0.318	0.368	0.355	0.341	0.308	17.63
58)		Fluorene	1.521	1.407	1.374	1.195	1.283	1.183	1.080	1.292	11.77
59)		2,3,4,6-Tetrac...	0.266	0.288	0.320	0.305	0.344	0.329	0.314	0.309	8.38
60)		Diethylphthalate	1.344	1.325	1.355	1.207	1.344	1.252	1.151	1.283	6.27
61)		4-Chlorophenyl...	0.699	0.666	0.658	0.577	0.638	0.590	0.535	0.623	9.26
62)		4-Nitroaniline	0.207	0.230	0.248	0.225	0.240	0.219	0.195	0.223	8.23
63)		Azobenzene	1.338	1.271	1.285	1.132	1.270	1.185	1.098	1.226	7.23
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.052	0.068	0.081	0.094	0.098	0.101	0.082	23.49
66)	c	n-Nitrosodiphe...	0.704	0.683	0.693	0.629	0.686	0.654	0.610	0.666	5.28
67)		4-Bromophenyl-...	0.230	0.227	0.232	0.216	0.238	0.227	0.217	0.227	3.44
68)		Hexachlorobenzene	0.264	0.246	0.253	0.237	0.258	0.248	0.240	0.249	3.84
69)		Atrazine	0.157	0.165	0.176	0.174	0.196	0.185	0.175	0.175	7.17
70)	C	Pentachlorophenol	0.094	0.109	0.130	0.139	0.153	0.150	0.144	0.131	16.65
71)		Phenanthrene	1.193	1.102	1.105	0.988	1.058	0.987	0.906	1.048	9.14
72)		Anthracene	1.210	1.136	1.134	1.018	1.093	1.023	0.927	1.077	8.77
73)		Carbazole	1.065	1.016	1.024	0.926	0.986	0.911	0.837	0.966	8.17
74)		Di-n-butylphth...	0.957	1.022	1.082	1.013	1.093	1.019	0.928	1.016	5.91
75)	C	Fluoranthene	1.198	1.154	1.128	0.985	1.051	0.956	0.863	1.048	11.46
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.272	0.384	0.358	0.426	0.403	0.337	0.363	15.09
78)		Pyrene	1.822	1.748	1.902	1.705	1.912	1.817	1.555	1.780	6.99
79)	S	Terphenyl-d14	1.493	1.424	1.460	1.255	1.390	1.314	1.123	1.351	9.61
80)		Butylbenzylpht...	0.282	0.330	0.439	0.469	0.545	0.549	0.527	0.449	23.70
81)		Benzo(a)anthra...	1.370	1.299	1.317	1.238	1.354	1.296	1.192	1.295	4.84
82)		3,3'-Dichlorob...	0.250	0.279	0.316	0.296	0.327	0.323	0.317	0.301	9.40
83)		Chrysene	1.294	1.227	1.247	1.104	1.238	1.203	1.128	1.206	5.59
84)		Bis(2-ethylhex...	0.328	0.417	0.557	0.601	0.699	0.716	0.697	0.573	26.35
85)	c	Di-n-octyl pht...		0.586	0.856	1.029	1.242	1.315	1.317	1.057	27.77

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF050525.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.152	1.281	1.421	1.384	1.596	1.504	1.402	1.391	10.38
88)		Benzo(b)fluora...	1.312	1.216	1.227	1.163	1.263	1.142	1.156	1.211	5.14
89)		Benzo(k)fluora...	1.158	1.142	1.164	1.040	1.172	1.114	0.969	1.109	6.88
90)	C	Benzo(a)pyrene	1.034	1.042	1.102	1.066	1.183	1.119	1.054	1.085	4.88
91)		Dibenzo(a,h)an...	0.987	1.066	1.194	1.137	1.308	1.224	1.129	1.149	9.17
92)		Benzo(g,h,i)pe...	0.971	1.056	1.175	1.120	1.295	1.225	1.143	1.141	9.37

(#) = Out of Range

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 13 16:21:39 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP024614.D 5 =BP024615.D 10 =BP024616.D 20 =BP024617.D 40 =BP024618.D 50 =BP024619.D 60 =BP024620.D 80 =BP0246
21.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.641	0.557	0.535	0.505	0.562	0.530	0.513	0.549	8.31
3)		Pyridine		1.054	1.135	1.202	1.198	1.363	1.307	1.263	1.218	8.57
4)		n-Nitrosodimet...		0.536	0.507	0.527	0.517	0.580	0.557	0.537	0.538	4.61
5)	S	2-Fluorophenol		1.134	1.096	1.162	1.105	1.272	1.223	1.193	1.169	5.50
6)		Aniline		1.717	1.703	1.932	1.917	2.130	2.091	1.999	1.927	8.67
7)	S	Phenol-d6		1.301	1.344	1.486	1.472	1.671	1.620	1.552	1.492	9.09
8)		2-Chlorophenol		1.200	1.204	1.311	1.303	1.465	1.433	1.376	1.327	7.83
9)		Benzaldehyde		0.991	1.008	1.046	0.955	1.043	0.954	0.766	0.966	9.91
10)	C	Phenol		1.373	1.401	1.526	1.509	1.707	1.670	1.597	1.540	8.24
11)		bis(2-Chloroet...		1.317	1.170	1.257	1.213	1.357	1.299	1.247	1.266	5.04
12)		1,3-Dichlorobe...		1.596	1.487	1.520	1.440	1.622	1.546	1.480	1.527	4.29
13)	C	1,4-Dichlorobe...		1.558	1.505	1.525	1.470	1.637	1.567	1.491	1.536	3.67
14)		1,2-Dichlorobe...		1.530	1.467	1.498	1.426	1.579	1.529	1.449	1.497	3.56
15)		Benzyl Alcohol		0.883	0.950	1.128	1.149	1.306	1.288	1.236	1.134	14.43
16)		2,2'-oxybis(1-...		1.543	1.445	1.520	1.467	1.617	1.564	1.454	1.516	4.22
17)		2-Methylphenol		0.966	0.949	1.105	1.099	1.246	1.213	1.154	1.105	10.30
18)		Hexachloroethane		0.606	0.591	0.582	0.551	0.623	0.597	0.570	0.589	4.04
19)	P	n-Nitroso-di-n...	0.880	0.977	0.967	1.086	1.048	1.142	1.132	1.026	1.032	8.63
20)		3+4-Methylphenols		1.221	1.302	1.503	1.515	1.702	1.692	1.584	1.503	12.21
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.486	0.481	0.511	0.483	0.534	0.512	0.491	0.500	3.97
23)	S	Nitrobenzene-d5		0.381	0.376	0.401	0.382	0.429	0.408	0.394	0.396	4.67
24)		Nitrobenzene		0.333	0.340	0.355	0.337	0.373	0.356	0.344	0.348	4.03
25)		Isophorone		0.644	0.640	0.695	0.673	0.753	0.721	0.682	0.687	5.91
26)	C	2-Nitrophenol		0.135	0.143	0.168	0.172	0.196	0.192	0.189	0.171	14.05
27)		2,4-Dimethylph...		0.273	0.279	0.300	0.298	0.329	0.318	0.309	0.301	6.60
28)		bis(2-Chloroet...		0.403	0.391	0.411	0.399	0.443	0.419	0.405	0.410	4.15
29)	C	2,4-Dichloroph...		0.250	0.258	0.290	0.291	0.327	0.316	0.309	0.292	9.96
30)		1,2,4-Trichlor...		0.346	0.322	0.327	0.306	0.347	0.329	0.323	0.329	4.33
31)		Naphthalene		1.064	1.026	1.049	0.980	1.091	1.037	1.007	1.036	3.54
32)		Benzoic acid			0.089	0.146	0.191	0.215	0.220	0.225	0.181	29.55
33)		4-Chloroaniline		0.348	0.371	0.420	0.418	0.465	0.462	0.442	0.418	10.62
34)	C	Hexachlorobuta...		0.231	0.214	0.211	0.198	0.222	0.209	0.206	0.213	5.08
35)		Caprolactam		0.082	0.092	0.104	0.109	0.121	0.121	0.110	0.106	13.80
36)	C	4-Chloro-3-met...		0.316	0.325	0.358	0.356	0.391	0.384	0.359	0.356	7.78
37)		2-Methylnaphth...		0.673	0.654	0.670	0.640	0.713	0.693	0.654	0.671	3.73
38)		1-Methylnaphth...		0.741	0.700	0.720	0.690	0.751	0.733	0.690	0.718	3.47

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP051325.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.593	0.558	0.574	0.549	0.625	0.580	0.586	0.581	4.26
41)	P	Hexachlorocycl...	0.250	0.276	0.350	0.356	0.420	0.391	0.421	0.352	19.02
42)	S	2,4,6-Tribromo...	0.324	0.321	0.335	0.323	0.369	0.357	0.346	0.339	5.49
43)	C	2,4,6-Trichlor...	0.305	0.341	0.375	0.371	0.428	0.410	0.402	0.376	11.29
44)		2,4,5-Trichlor...	0.376	0.375	0.418	0.404	0.471	0.447	0.440	0.419	8.68
45)	S	2-Fluorobiphenyl	1.601	1.498	1.553	1.432	1.602	1.515	1.485	1.527	4.10
46)		1,1'-Biphenyl	1.524	1.434	1.492	1.383	1.586	1.473	1.456	1.478	4.40
47)		2-Chloronaphth...	1.147	1.106	1.131	1.065	1.196	1.132	1.113	1.127	3.56
48)		2-Nitroaniline	0.279	0.304	0.331	0.335	0.381	0.364	0.343	0.334	10.28
49)		Acenaphthylene	1.845	1.818	1.920	1.804	2.029	1.930	1.856	1.886	4.19
50)		Dimethylphthalate	1.570	1.527	1.518	1.450	1.611	1.535	1.460	1.524	3.73
51)		2,6-Dinitrotol...	0.299	0.308	0.326	0.312	0.354	0.337	0.319	0.322	5.75
52)	C	Acenaphthene	1.105	1.054	1.094	1.028	1.159	1.099	1.052	1.084	4.02
53)		3-Nitroaniline	0.258	0.275	0.329	0.340	0.379	0.370	0.350	0.329	14.04
54)	P	2,4-Dinitrophenol		0.098	0.143	0.172	0.201	0.201	0.201	0.169	24.79
55)		Dibenzofuran	1.810	1.716	1.740	1.633	1.816	1.733	1.658	1.730	4.00
56)	P	4-Nitrophenol		0.159	0.222	0.257	0.299	0.288	0.274	0.250	20.82
57)		2,4-Dinitrotol...	0.400	0.422	0.456	0.454	0.508	0.483	0.454	0.454	7.87
58)		Fluorene	1.466	1.415	1.410	1.336	1.494	1.410	1.341	1.410	4.14
59)		2,3,4,6-Tetrac...	0.367	0.364	0.381	0.379	0.428	0.406	0.394	0.388	5.89
60)		Diethylphthalate	1.593	1.542	1.537	1.444	1.639	1.563	1.468	1.541	4.40
61)		4-Chlorophenyl...	0.752	0.697	0.700	0.656	0.741	0.709	0.668	0.703	5.01
62)		4-Nitroaniline	0.228	0.259	0.326	0.330	0.375	0.363	0.341	0.317	17.06
63)		Azobenzene	1.327	1.299	1.356	1.250	1.407	1.343	1.243	1.318	4.45
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.094	0.120	0.129	0.149	0.143	0.141	0.129	15.64
66)	c	n-Nitrosodiphe...	0.603	0.589	0.627	0.593	0.667	0.621	0.600	0.614	4.41
67)		4-Bromophenyl-...	0.231	0.223	0.237	0.226	0.252	0.242	0.240	0.236	4.31
68)		Hexachlorobenzene	0.303	0.288	0.298	0.282	0.321	0.304	0.300	0.299	4.25
69)		Atrazine	0.210	0.209	0.227	0.218	0.248	0.237	0.226	0.225	6.32
70)	C	Pentachlorophenol	0.124	0.137	0.163	0.172	0.198	0.191	0.192	0.168	17.12
71)		Phenanthrene	1.144	1.085	1.125	1.051	1.170	1.125	1.083	1.112	3.68
72)		Anthracene	1.097	1.064	1.142	1.075	1.205	1.139	1.108	1.119	4.31
73)		Carbazole	0.923	0.944	1.039	1.001	1.114	1.053	1.013	1.012	6.43
74)		Di-n-butylphth...	1.182	1.218	1.332	1.260	1.447	1.363	1.313	1.302	6.97
75)	C	Fluoranthene	1.271	1.254	1.314	1.250	1.399	1.337	1.272	1.300	4.18
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.362	0.543	0.560	0.657	0.599	0.548	0.545	18.22
78)		Pyrene	1.184	1.137	1.197	1.153	1.273	1.222	1.223	1.198	3.85
79)	S	Terphenyl-d14	1.192	1.113	1.165	1.125	1.226	1.175	1.167	1.166	3.30
80)		Butylbenzylpht...	0.458	0.465	0.537	0.527	0.604	0.571	0.569	0.533	10.28
81)		Benzo(a)anthra...	1.251	1.218	1.253	1.208	1.336	1.275	1.250	1.256	3.36
82)		3,3'-Dichlorob...	0.357	0.392	0.474	0.477	0.539	0.511	0.514	0.466	14.45
83)		Chrysene	1.214	1.180	1.185	1.131	1.255	1.188	1.180	1.190	3.16
84)		Bis(2-ethylhex...	0.673	0.683	0.801	0.766	0.884	0.836	0.841	0.783	10.32
85)	c	Di-n-octyl pht...	1.048	1.116	1.272	1.280	1.458	1.376	1.417	1.281	11.95

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP051325.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.341	1.357	1.447	1.424	1.608	1.549	1.494	1.460	6.70
88)		Benzo(b)fluora...	1.028	1.070	1.152	1.103	1.288	1.184	1.189	1.145	7.58
89)		Benzo(k)fluora...	1.147	1.106	1.182	1.140	1.258	1.238	1.185	1.180	4.59
90)	C	Benzo(a)pyrene	0.995	1.001	1.112	1.064	1.221	1.167	1.136	1.099	7.68
91)		Dibenzo(a,h)an...	1.068	1.066	1.186	1.167	1.321	1.271	1.236	1.188	8.18
92)		Benzo(g,h,i)pe...	1.101	1.106	1.167	1.147	1.294	1.242	1.212	1.181	6.07

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG No.: Q1982

Instrument ID: BNA_F Calibration Date/Time: 05/14/2025 12:19

Lab File ID: BF142360.D Init. Calib. Date(s): 05/05/2025 05/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:54 17:15

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.172	1.192		1.7	
Benzaldehyde	0.843	0.731		-13.3	
Phenol-d6	1.441	1.456		1.0	
Phenol	1.531	1.662		8.6	20.0
bis(2-Chloroethyl)ether	1.506	1.243		-17.5	
2-Chlorophenol	1.252	1.302		4.0	
2-Methylphenol	1.014	1.011		-0.3	
2,2-oxybis(1-Chloropropane)	2.249	2.070		-8.0	
Acetophenone	0.445	0.431		-3.1	
3+4-Methylphenols	1.265	1.279		1.1	
n-Nitroso-di-n-propylamine	0.891	0.846	0.050	-5.1	
Nitrobenzene-d5	0.328	0.358		9.1	
Hexachloroethane	0.478	0.481		0.6	
Nitrobenzene	0.309	0.334		8.1	
Isophorone	0.621	0.593		-4.5	
2-Nitrophenol	0.129	0.169		31.0	20.0
2,4-Dimethylphenol	0.312	0.313		0.3	
bis(2-Chloroethoxy)methane	0.399	0.370		-7.3	
2,4-Dichlorophenol	0.265	0.275		3.8	20.0
Naphthalene	0.969	0.947		-2.3	
4-Chloroaniline	0.395	0.403		2.0	
Hexachlorobutadiene	0.177	0.173		-2.3	20.0
Caprolactam	0.077	0.087		13.0	
4-Chloro-3-methylphenol	0.276	0.283		2.5	20.0
2-Methylnaphthalene	0.602	0.579		-3.8	
Hexachlorocyclopentadiene	0.345	0.379	0.050	9.9	
2,4,6-Trichlorophenol	0.352	0.383		8.8	20.0
2-Fluorobiphenyl	1.403	1.321		-5.8	
2,4,5-Trichlorophenol	0.375	0.389		3.7	
1,1-Biphenyl	1.533	1.472		-4.0	
2-Chloronaphthalene	1.140	1.099		-3.6	
2-Nitroaniline	0.292	0.342		17.1	
Dimethylphthalate	1.284	1.233		-4.0	
Acenaphthylene	1.908	1.859		-2.6	
2,6-Dinitrotoluene	0.240	0.275		14.6	
3-Nitroaniline	0.282	0.327		16.0	
Acenaphthene	1.147	1.128		-1.7	20.0
2,4-Dinitrophenol	0.102	0.141	0.050	38.2	
4-Nitrophenol	0.212	0.257	0.050	21.2	

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG No.: Q1982

Instrument ID: BNA_F Calibration Date/Time: 05/14/2025 12:19

Lab File ID: BF142360.D Init. Calib. Date(s): 05/05/2025 05/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:54 17:15

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.693	1.628		-3.8	
2,4-Dinitrotoluene	0.308	0.369		19.8	
Diethylphthalate	1.283	1.187		-7.5	
4-Chlorophenyl-phenylether	0.623	0.587		-5.8	
Fluorene	1.292	1.225		-5.2	
4-Nitroaniline	0.223	0.251		12.6	
4,6-Dinitro-2-methylphenol	0.082	0.105		28.0	
n-Nitrosodiphenylamine	0.666	0.647		-2.9	20.0
2,4,6-Tribromophenol	0.193	0.212		9.8	
4-Bromophenyl-phenylether	0.227	0.218		-4.0	
Hexachlorobenzene	0.249	0.244		-2.0	
Atrazine	0.175	0.177		1.1	
Pentachlorophenol	0.131	0.153		16.8	20.0
Phenanthrene	1.048	1.019		-2.8	
Anthracene	1.077	1.055		-2.0	
Carbazole	0.966	0.954		-1.2	
Di-n-butylphthalate	1.016	0.953		-6.2	
Fluoranthene	1.048	0.997		-4.9	20.0
Pyrene	1.780	1.920		7.9	
Terphenyl-d14	1.351	1.365		1.0	
Butylbenzylphthalate	0.449	0.448		-0.2	
3,3-Dichlorobenzidine	0.301	0.337		12.0	
Benzo(a)anthracene	1.295	1.261		-2.6	
Chrysene	1.206	1.176		-2.5	
Bis(2-ethylhexyl)phthalate	0.573	0.527		-8.0	
Di-n-octyl phthalate	1.057	1.002		-5.2	20.0
Benzo(b)fluoranthene	1.211	1.096		-9.5	
Benzo(k)fluoranthene	1.109	1.080		-2.6	
Benzo(a)pyrene	1.085	1.091		0.6	20.0
Indeno(1,2,3-cd)pyrene	1.391	1.485		6.8	
Dibenzo(a,h)anthracene	1.149	1.204		4.8	
Benzo(g,h,i)perylene	1.141	1.225		7.4	
1,2,4,5-Tetrachlorobenzene	0.559	0.544		-2.7	
1,4-Dioxane	0.528	0.529		0.2	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.334		8.1	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG No.: Q1982

Instrument ID: BNA_F Calibration Date/Time: 05/15/2025 15:41

Lab File ID: BF142393.D Init. Calib. Date(s): 05/05/2025 05/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:54 17:15

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.172	1.241		5.9	
Benzaldehyde	0.843	0.816		-3.2	
Phenol-d6	1.441	1.485		3.1	
Phenol	1.531	1.695		10.7	20.0
bis(2-Chloroethyl)ether	1.506	1.233		-18.1	
2-Chlorophenol	1.252	1.345		7.4	
2-Methylphenol	1.014	1.038		2.4	
2,2-oxybis(1-Chloropropane)	2.249	2.063		-8.3	
Acetophenone	0.445	0.450		1.1	
3+4-Methylphenols	1.265	1.272		0.6	
n-Nitroso-di-n-propylamine	0.891	0.839	0.050	-5.8	
Nitrobenzene-d5	0.328	0.381		16.2	
Hexachloroethane	0.478	0.508		6.3	
Nitrobenzene	0.309	0.348		12.6	
Isophorone	0.621	0.610		-1.8	
2-Nitrophenol	0.129	0.191		48.1	20.0
2,4-Dimethylphenol	0.312	0.334		7.1	
bis(2-Chloroethoxy)methane	0.399	0.386		-3.3	
2,4-Dichlorophenol	0.265	0.295		11.3	20.0
Naphthalene	0.969	1.000		3.2	
4-Chloroaniline	0.395	0.410		3.8	
Hexachlorobutadiene	0.177	0.189		6.8	20.0
Caprolactam	0.077	0.088		14.3	
4-Chloro-3-methylphenol	0.276	0.289		4.7	20.0
2-Methylnaphthalene	0.602	0.607		0.8	
Hexachlorocyclopentadiene	0.345	0.400	0.050	15.9	
2,4,6-Trichlorophenol	0.352	0.415		17.9	20.0
2-Fluorobiphenyl	1.403	1.411		0.6	
2,4,5-Trichlorophenol	0.375	0.420		12.0	
1,1-Biphenyl	1.533	1.588		3.6	
2-Chloronaphthalene	1.140	1.175		3.1	
2-Nitroaniline	0.292	0.366		25.3	
Dimethylphthalate	1.284	1.323		3.0	
Acenaphthylene	1.908	1.964		2.9	
2,6-Dinitrotoluene	0.240	0.296		23.3	
3-Nitroaniline	0.282	0.341		20.9	
Acenaphthene	1.147	1.207		5.2	20.0
2,4-Dinitrophenol	0.102	0.161	0.050	57.8	
4-Nitrophenol	0.212	0.262	0.050	23.6	

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG No.: Q1982

Instrument ID: BNA_F Calibration Date/Time: 05/15/2025 15:41

Lab File ID: BF142393.D Init. Calib. Date(s): 05/05/2025 05/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:54 17:15

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.693	1.726		1.9	
2,4-Dinitrotoluene	0.308	0.398		29.2	
Diethylphthalate	1.283	1.261		-1.7	
4-Chlorophenyl-phenylether	0.623	0.632		1.4	
Fluorene	1.292	1.291		-0.1	
4-Nitroaniline	0.223	0.289		29.6	
4,6-Dinitro-2-methylphenol	0.082	0.126		53.7	
n-Nitrosodiphenylamine	0.666	0.707		6.2	20.0
2,4,6-Tribromophenol	0.193	0.224		16.1	
4-Bromophenyl-phenylether	0.227	0.237		4.4	
Hexachlorobenzene	0.249	0.266		6.8	
Atrazine	0.175	0.193		10.3	
Pentachlorophenol	0.131	0.161		22.9	20.0
Phenanthrene	1.048	1.080		3.1	
Anthracene	1.077	1.097		1.9	
Carbazole	0.966	0.961		-0.5	
Di-n-butylphthalate	1.016	0.974		-4.1	
Fluoranthene	1.048	0.943		-10.0	20.0
Pyrene	1.780	1.748		-1.8	
Terphenyl-d14	1.351	1.252		-7.3	
Butylbenzylphthalate	0.449	0.507		12.9	
3,3-Dichlorobenzidine	0.301	0.454		50.8	
Benzo(a)anthracene	1.295	1.376		6.3	
Chrysene	1.206	1.208		0.2	
Bis(2-ethylhexyl)phthalate	0.573	0.662		15.5	
Di-n-octyl phthalate	1.057	1.337		26.5	20.0
Benzo(b)fluoranthene	1.211	1.251		3.3	
Benzo(k)fluoranthene	1.109	1.029		-7.2	
Benzo(a)pyrene	1.085	1.150		6.0	20.0
Indeno(1,2,3-cd)pyrene	1.391	1.481		6.5	
Dibenzo(a,h)anthracene	1.149	1.194		3.9	
Benzo(g,h,i)perylene	1.141	1.201		5.3	
1,2,4,5-Tetrachlorobenzene	0.559	0.597		6.8	
1,4-Dioxane	0.528	0.533		0.9	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.354		14.6	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG No.: Q1982

Instrument ID: BNA_F Calibration Date/Time: 05/16/2025 09:45

Lab File ID: BF142416.D Init. Calib. Date(s): 05/05/2025 05/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:54 17:15

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.172	1.230		4.9	
Benzaldehyde	0.843	0.825		-2.1	
Phenol-d6	1.441	1.481		2.8	
Phenol	1.531	1.669		9.0	20.0
bis(2-Chloroethyl)ether	1.506	1.236		-17.9	
2-Chlorophenol	1.252	1.338		6.9	
2-Methylphenol	1.014	1.054		3.9	
2,2-oxybis(1-Chloropropane)	2.249	2.119		-5.8	
Acetophenone	0.445	0.439		-1.3	
3+4-Methylphenols	1.265	1.302		2.9	
n-Nitroso-di-n-propylamine	0.891	0.890	0.050	-0.1	
Nitrobenzene-d5	0.328	0.370		12.8	
Hexachloroethane	0.478	0.511		6.9	
Nitrobenzene	0.309	0.341		10.4	
Isophorone	0.621	0.627		1.0	
2-Nitrophenol	0.129	0.185		43.4	20.0
2,4-Dimethylphenol	0.312	0.322		3.2	
bis(2-Chloroethoxy)methane	0.399	0.391		-2.0	
2,4-Dichlorophenol	0.265	0.291		9.8	20.0
Naphthalene	0.969	0.984		1.5	
4-Chloroaniline	0.395	0.403		2.0	
Hexachlorobutadiene	0.177	0.188		6.2	20.0
Caprolactam	0.077	0.090		16.9	
4-Chloro-3-methylphenol	0.276	0.292		5.8	20.0
2-Methylnaphthalene	0.602	0.608		1.0	
Hexachlorocyclopentadiene	0.345	0.398	0.050	15.4	
2,4,6-Trichlorophenol	0.352	0.398		13.1	20.0
2-Fluorobiphenyl	1.403	1.372		-2.2	
2,4,5-Trichlorophenol	0.375	0.423		12.8	
1,1-Biphenyl	1.533	1.536		0.2	
2-Chloronaphthalene	1.140	1.148		0.7	
2-Nitroaniline	0.292	0.352		20.5	
Dimethylphthalate	1.284	1.315		2.4	
Acenaphthylene	1.908	1.919		0.6	
2,6-Dinitrotoluene	0.240	0.294		22.5	
3-Nitroaniline	0.282	0.340		20.6	
Acenaphthene	1.147	1.183		3.1	20.0
2,4-Dinitrophenol	0.102	0.163	0.050	59.8	
4-Nitrophenol	0.212	0.253	0.050	19.3	

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG No.: Q1982

Instrument ID: BNA_F Calibration Date/Time: 05/16/2025 09:45

Lab File ID: BF142416.D Init. Calib. Date(s): 05/05/2025 05/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:54 17:15

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.693	1.699		0.4	
2,4-Dinitrotoluene	0.308	0.395		28.2	
Diethylphthalate	1.283	1.293		0.8	
4-Chlorophenyl-phenylether	0.623	0.643		3.2	
Fluorene	1.292	1.306		1.1	
4-Nitroaniline	0.223	0.289		29.6	
4,6-Dinitro-2-methylphenol	0.082	0.125		52.4	
n-Nitrosodiphenylamine	0.666	0.682		2.4	20.0
2,4,6-Tribromophenol	0.193	0.231		19.7	
4-Bromophenyl-phenylether	0.227	0.241		6.2	
Hexachlorobenzene	0.249	0.265		6.4	
Atrazine	0.175	0.195		11.4	
Pentachlorophenol	0.131	0.162		23.7	20.0
Phenanthrene	1.048	1.051		0.3	
Anthracene	1.077	1.081		0.4	
Carbazole	0.966	0.970		0.4	
Di-n-butylphthalate	1.016	1.068		5.1	
Fluoranthene	1.048	1.020		-2.7	20.0
Pyrene	1.780	1.900		6.7	
Terphenyl-d14	1.351	1.413		4.6	
Butylbenzylphthalate	0.449	0.566		26.1	
3,3-Dichlorobenzidine	0.301	0.435		44.5	
Benzo(a)anthracene	1.295	1.386		7.0	
Chrysene	1.206	1.202		-0.3	
Bis(2-ethylhexyl)phthalate	0.573	0.772		34.7	
Di-n-octyl phthalate	1.057	1.433		35.6	20.0
Benzo(b)fluoranthene	1.211	1.284		6.0	
Benzo(k)fluoranthene	1.109	1.028		-7.3	
Benzo(a)pyrene	1.085	1.150		6.0	20.0
Indeno(1,2,3-cd)pyrene	1.391	1.503		8.1	
Dibenzo(a,h)anthracene	1.149	1.232		7.2	
Benzo(g,h,i)perylene	1.141	1.209		6.0	
1,2,4,5-Tetrachlorobenzene	0.559	0.581		3.9	
1,4-Dioxane	0.528	0.514		-2.7	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.349		12.9	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG No.: Q1982

Instrument ID: BNA_P Calibration Date/Time: 05/15/2025 12:25

Lab File ID: BP024634.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:41 15:26

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.169	1.113		-4.8	
Benzaldehyde	0.966	0.853		-11.7	
Phenol-d6	1.492	1.373		-8.0	
Phenol	1.540	1.415		-8.1	20.0
bis(2-Chloroethyl)ether	1.266	1.168		-7.7	
2-Chlorophenol	1.327	1.296		-2.3	
2-Methylphenol	1.105	1.112		0.6	
2,2-oxybis(1-Chloropropane)	1.516	1.451		-4.3	
Acetophenone	0.500	0.481		-3.8	
3+4-Methylphenols	1.503	1.544		2.7	
n-Nitroso-di-n-propylamine	1.032	1.054	0.050	2.1	
Nitrobenzene-d5	0.396	0.378		-4.5	
Hexachloroethane	0.589	0.548		-7.0	
Nitrobenzene	0.348	0.331		-4.9	
Isophorone	0.687	0.662		-3.6	
2-Nitrophenol	0.171	0.170		-0.6	20.0
2,4-Dimethylphenol	0.301	0.296		-1.7	
bis(2-Chloroethoxy)methane	0.410	0.389		-5.1	
2,4-Dichlorophenol	0.292	0.292		0.0	20.0
Naphthalene	1.036	0.983		-5.1	
4-Chloroaniline	0.418	0.425		1.7	
Hexachlorobutadiene	0.213	0.197		-7.5	20.0
Caprolactam	0.106	0.110		3.8	
4-Chloro-3-methylphenol	0.356	0.356		0.0	20.0
2-Methylnaphthalene	0.671	0.646		-3.7	
Hexachlorocyclopentadiene	0.352	0.372	0.050	5.7	
2,4,6-Trichlorophenol	0.376	0.388		3.2	20.0
2-Fluorobiphenyl	1.527	1.446		-5.3	
2,4,5-Trichlorophenol	0.419	0.412		-1.7	
1,1-Biphenyl	1.478	1.391		-5.9	
2-Chloronaphthalene	1.127	1.069		-5.1	
2-Nitroaniline	0.334	0.336		0.6	
Dimethylphthalate	1.524	1.433		-6.0	
Acenaphthylene	1.886	1.811		-4.0	
2,6-Dinitrotoluene	0.322	0.313		-2.8	
3-Nitroaniline	0.329	0.337		2.4	
Acenaphthene	1.084	1.026		-5.4	20.0
2,4-Dinitrophenol	0.169	0.170	0.050	0.6	
4-Nitrophenol	0.250	0.260	0.050	4.0	

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG No.: Q1982

Instrument ID: BNA_P Calibration Date/Time: 05/15/2025 12:25

Lab File ID: BP024634.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:41 15:26

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.730	1.659		-4.1	
2,4-Dinitrotoluene	0.454	0.453		-0.2	
Diethylphthalate	1.541	1.477		-4.2	
4-Chlorophenyl-phenylether	0.703	0.672		-4.4	
Fluorene	1.410	1.356		-3.8	
4-Nitroaniline	0.317	0.338		6.6	
4,6-Dinitro-2-methylphenol	0.129	0.126		-2.3	
n-Nitrosodiphenylamine	0.614	0.588		-4.2	20.0
2,4,6-Tribromophenol	0.339	0.334		-1.5	
4-Bromophenyl-phenylether	0.236	0.225		-4.7	
Hexachlorobenzene	0.299	0.283		-5.4	
Atrazine	0.225	0.216		-4.0	
Pentachlorophenol	0.168	0.180		7.1	20.0
Phenanthrene	1.112	1.049		-5.7	
Anthracene	1.119	1.053		-5.9	
Carbazole	1.012	0.991		-2.1	
Di-n-butylphthalate	1.302	1.272		-2.3	
Fluoranthene	1.300	1.234		-5.1	20.0
Pyrene	1.198	1.165		-2.8	
Terphenyl-d14	1.166	1.105		-5.2	
Butylbenzylphthalate	0.533	0.531		-0.4	
3,3-Dichlorobenzidine	0.466	0.491		5.4	
Benzo(a)anthracene	1.256	1.198		-4.6	
Chrysene	1.190	1.135		-4.6	
Bis(2-ethylhexyl)phthalate	0.783	0.781		-0.3	
Di-n-octyl phthalate	1.281	1.310		2.3	20.0
Benzo(b)fluoranthene	1.145	1.107		-3.3	
Benzo(k)fluoranthene	1.180	1.121		-5.0	
Benzo(a)pyrene	1.099	1.065		-3.1	20.0
Indeno(1,2,3-cd)pyrene	1.460	1.416		-3.0	
Dibenzo(a,h)anthracene	1.188	1.153		-2.9	
Benzo(g,h,i)perylene	1.181	1.148		-2.8	
1,2,4,5-Tetrachlorobenzene	0.581	0.557		-4.1	
1,4-Dioxane	0.549	0.486		-11.5	20.0
2,3,4,6-Tetrachlorophenol	0.388	0.383		-1.3	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142364.D
Acq On : 14 May 2025 14:23
Operator : RC/JU
Sample : Q1982-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1

Quant Time: May 14 15:01:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

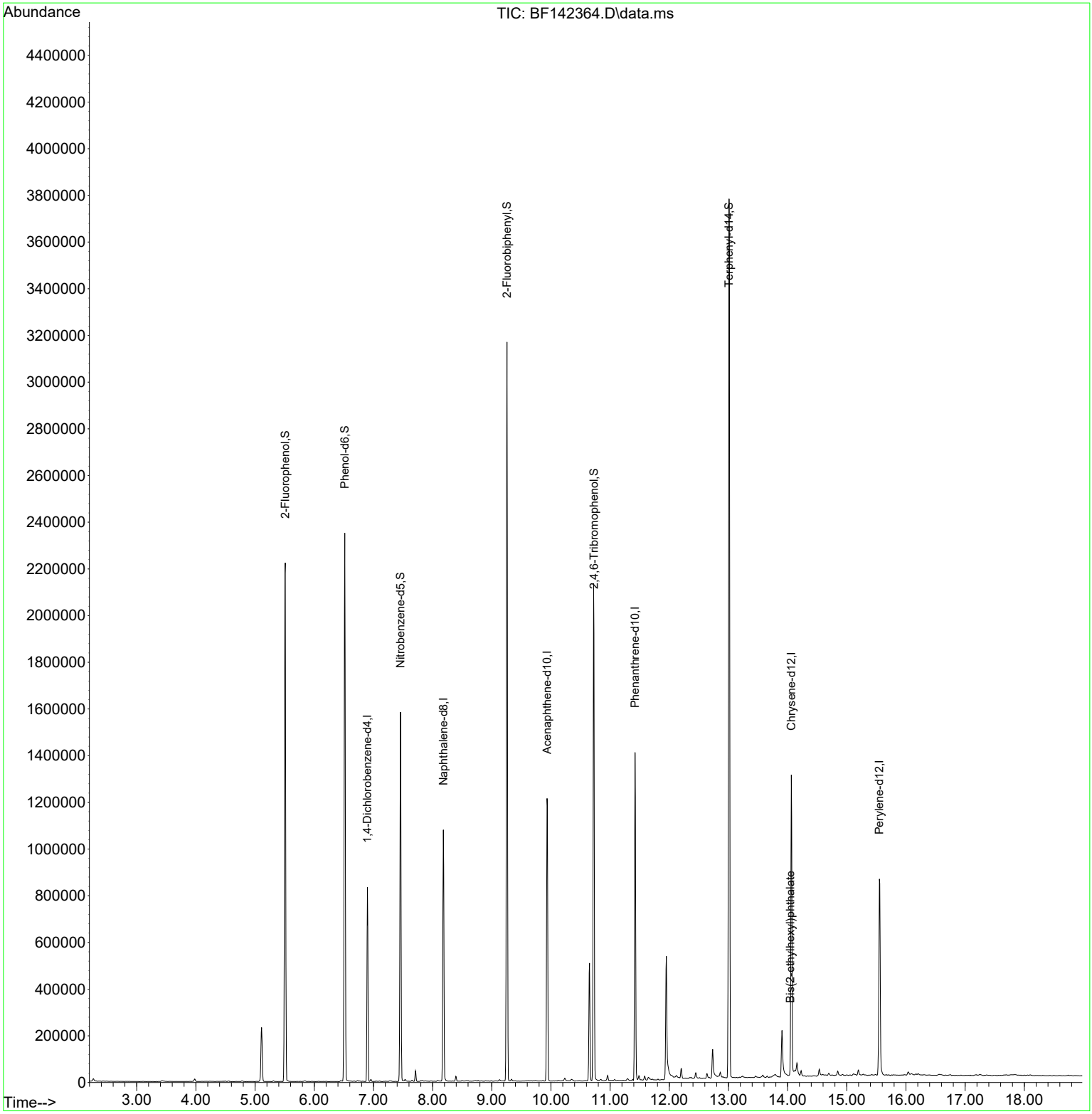
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	171428	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	665674	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	370105	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	718007	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	611693	20.000	ng	0.00
86) Perylene-d12	15.551	264	503779	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	882477	87.877	ng	0.00
7) Phenol-d6	6.516	99	1094089	88.582	ng	0.00
23) Nitrobenzene-d5	7.457	82	644190	59.019	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	377710	105.704	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1396803	53.814	ng	0.00
79) Terphenyl-d14	13.010	244	1879960	45.489	ng	0.00
Target Compounds						Qvalue
84) Bis(2-ethylhexyl)phtha...	14.045	149	3758	4.403	ng	# 93

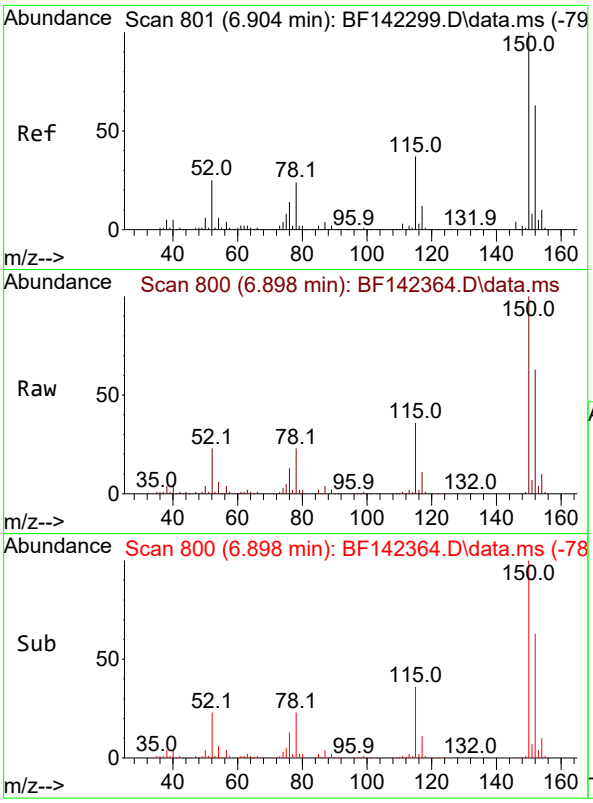
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142364.D
Acq On : 14 May 2025 14:23
Operator : RC/JU
Sample : Q1982-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1

Quant Time: May 14 15:01:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration



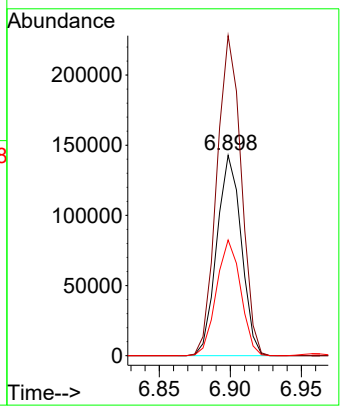


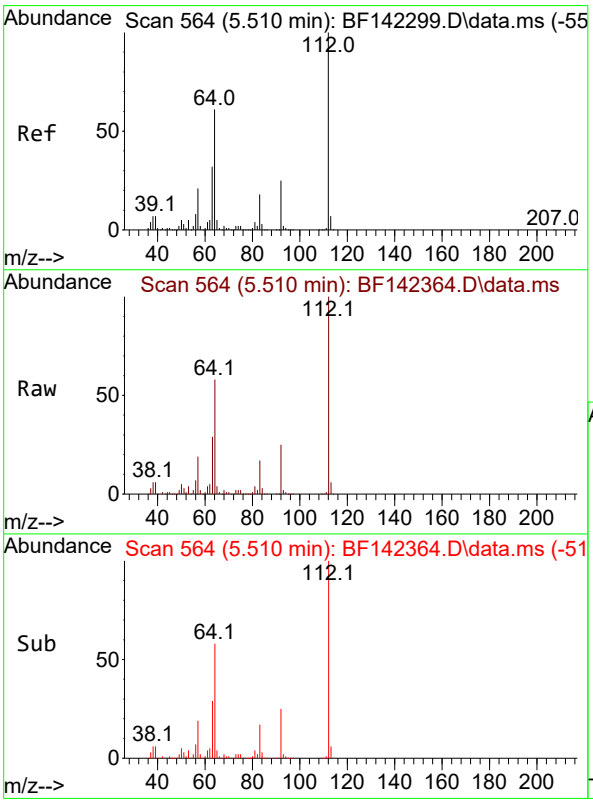
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142364.D
Acq: 14 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:152 Resp: 171428

Ion	Ratio	Lower	Upper
152	100		
150	159.7	126.6	190.0
115	57.7	47.3	70.9

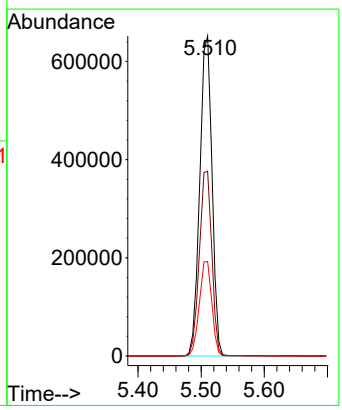


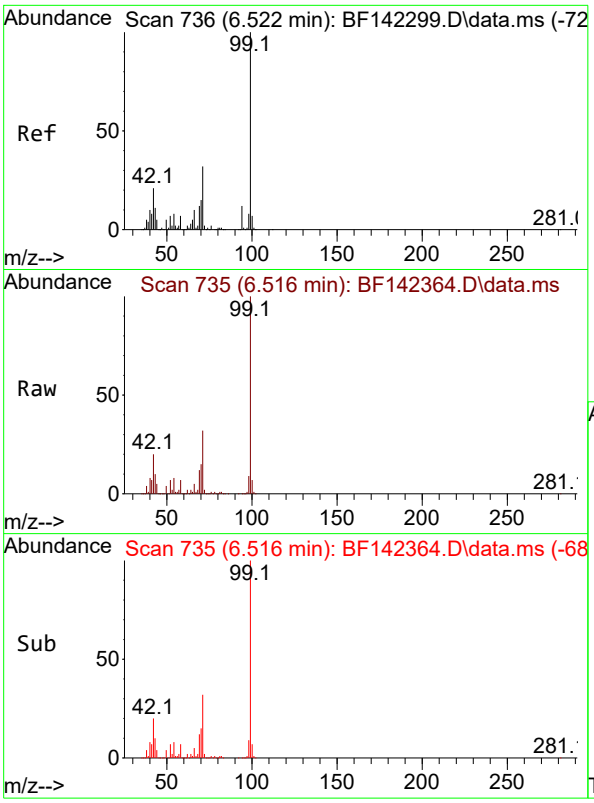


#5
2-Fluorophenol
Concen: 87.877 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF142364.D
Acq: 14 May 2025 14:23

Tgt Ion:112 Resp: 882477

Ion	Ratio	Lower	Upper
112	100		
64	57.8	48.9	73.3
63	29.5	25.6	38.4



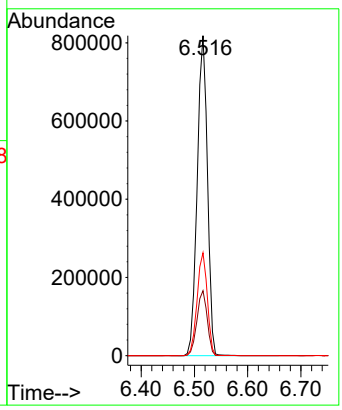


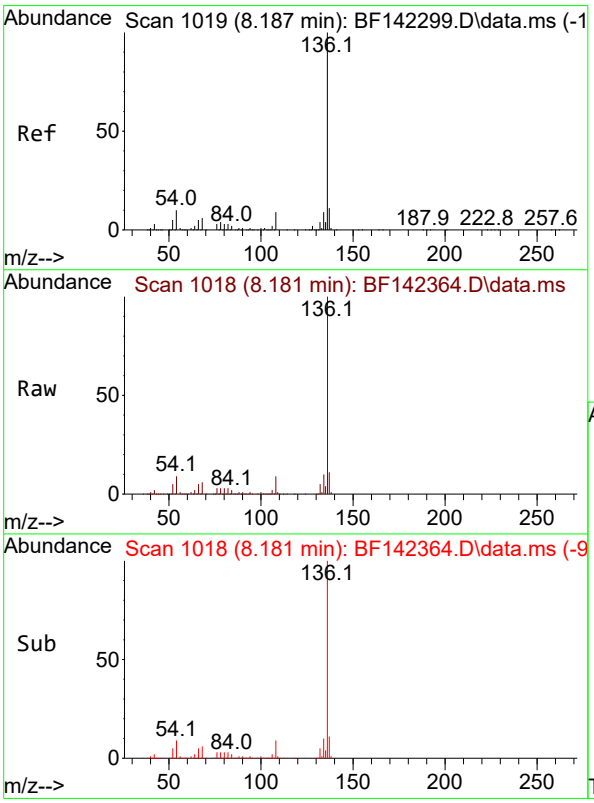
#7
Phenol-d6
Concen: 88.582 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142364.D
Acq: 14 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion: 99 Resp: 1094089

Ion	Ratio	Lower	Upper
99	100		
42	20.3	17.0	25.4
71	32.2	25.8	38.8

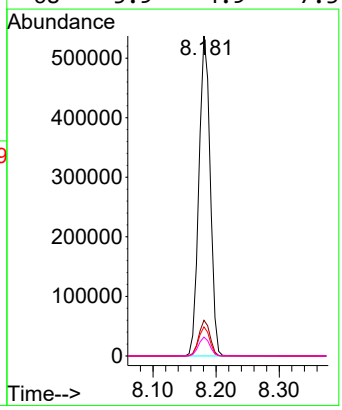


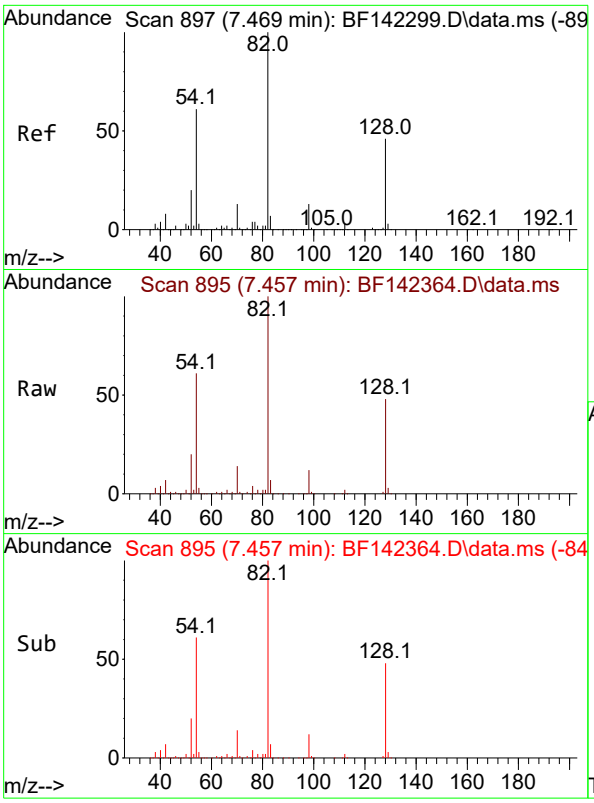


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142364.D
Acq: 14 May 2025 14:23

Tgt Ion:136 Resp: 665674

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.1	7.7	11.5
68	5.9	4.9	7.3



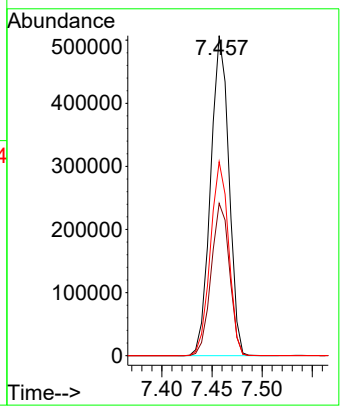


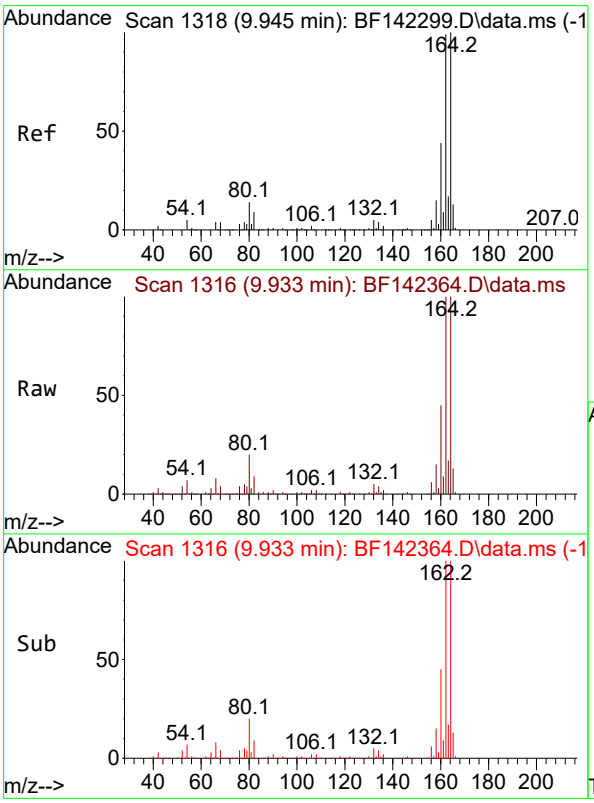
#23
Nitrobenzene-d5
Concen: 59.019 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142364.D
Acq: 14 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion: 82 Resp: 644190

Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.0	55.6
54	60.6	48.6	73.0

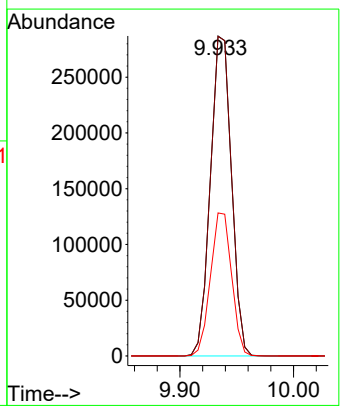


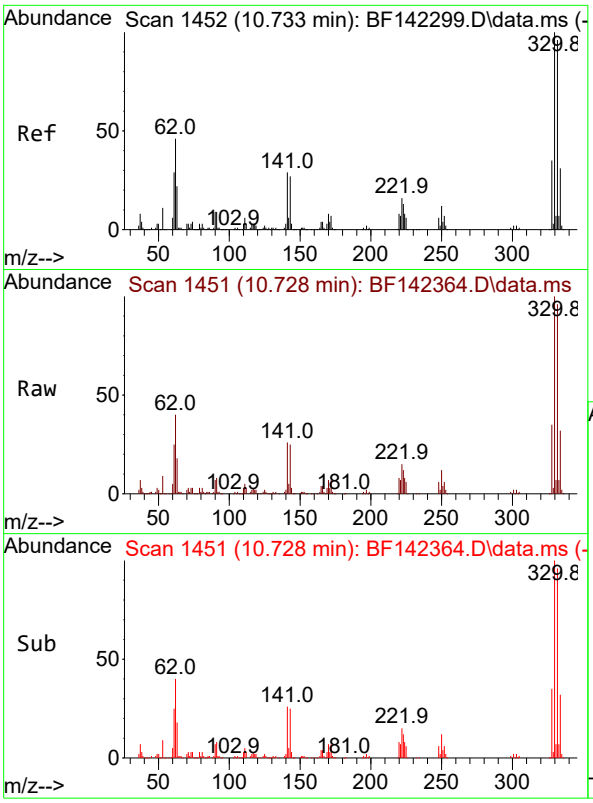


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142364.D
Acq: 14 May 2025 14:23

Tgt Ion:164 Resp: 370105

Ion	Ratio	Lower	Upper
164	100		
162	99.8	79.2	118.8
160	44.7	35.3	52.9



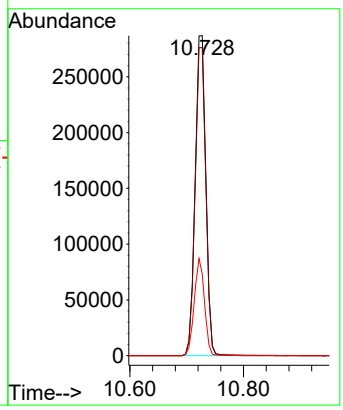


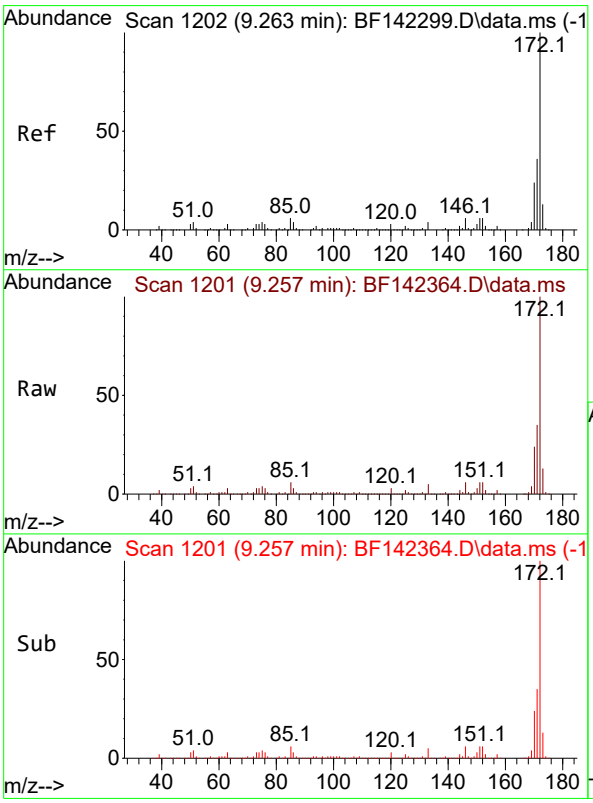
#42
2,4,6-Tribromophenol
Concen: 105.704 ng
RT: 10.728 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142364.D
Acq: 14 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:330 Resp: 377710

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.8	115.2
141	29.1	24.9	37.3

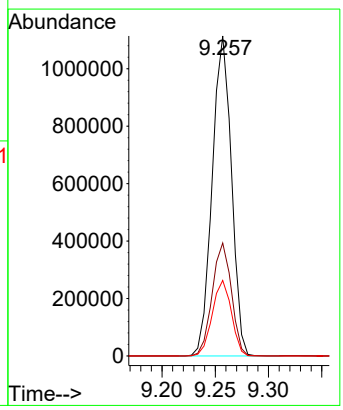


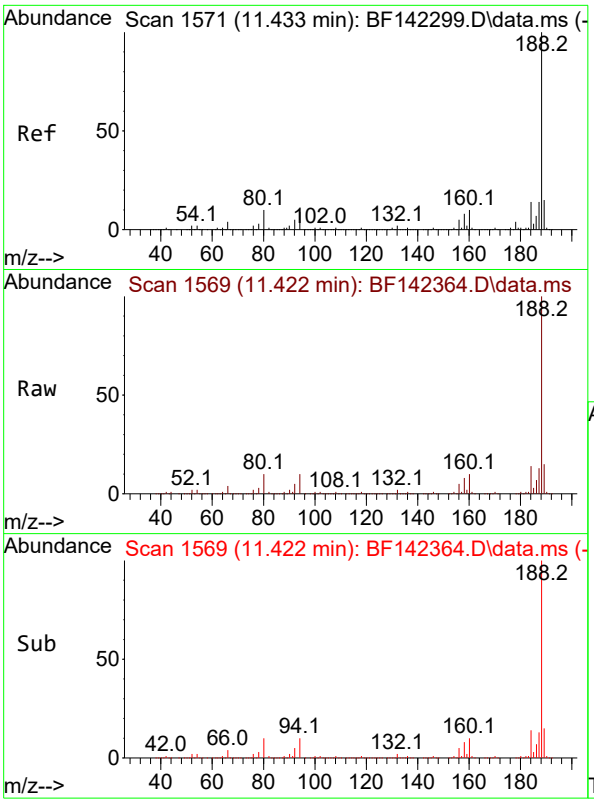


#45
2-Fluorobiphenyl
Concen: 53.814 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142364.D
Acq: 14 May 2025 14:23

Tgt Ion:172 Resp: 1396803

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	42.8
170	23.6	19.0	28.4



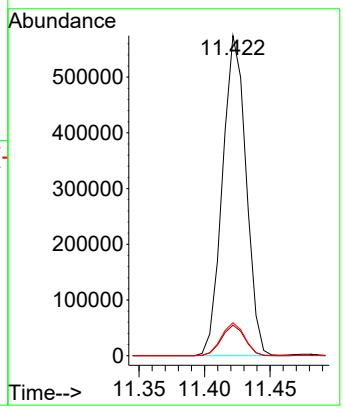


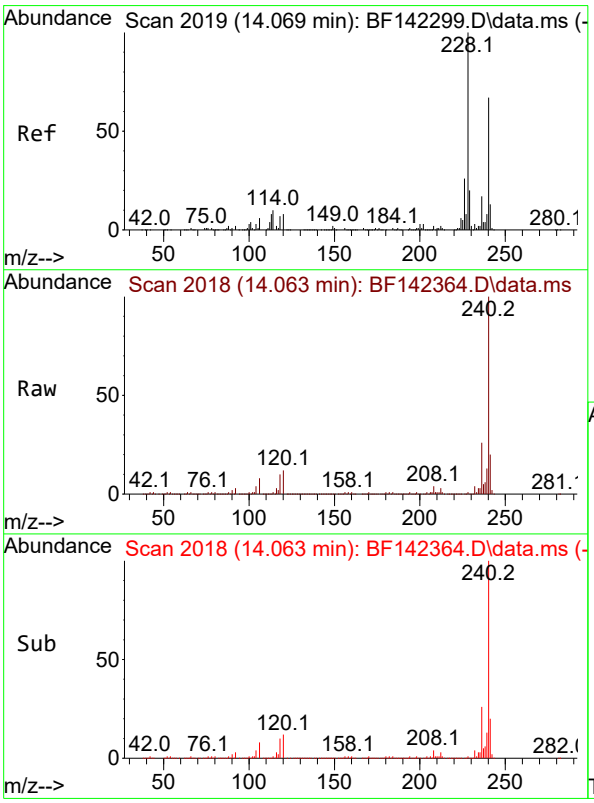
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142364.D
Acq: 14 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:188 Resp: 718007

Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.5	11.3
80	10.3	7.9	11.9

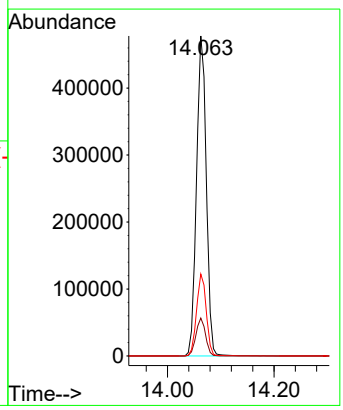


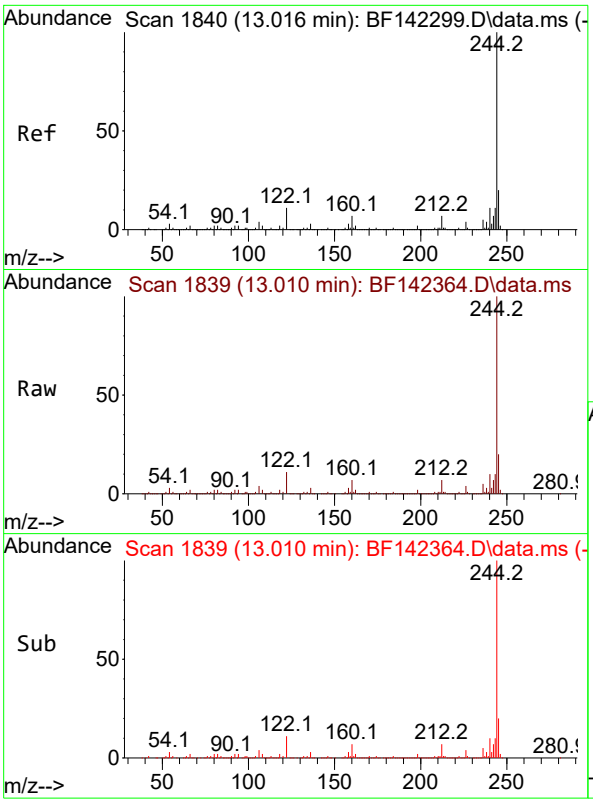


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142364.D
Acq: 14 May 2025 14:23

Tgt Ion:240 Resp: 611693

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.7	14.5
236	25.6	20.0	30.0



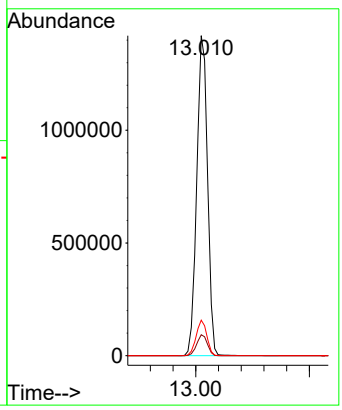


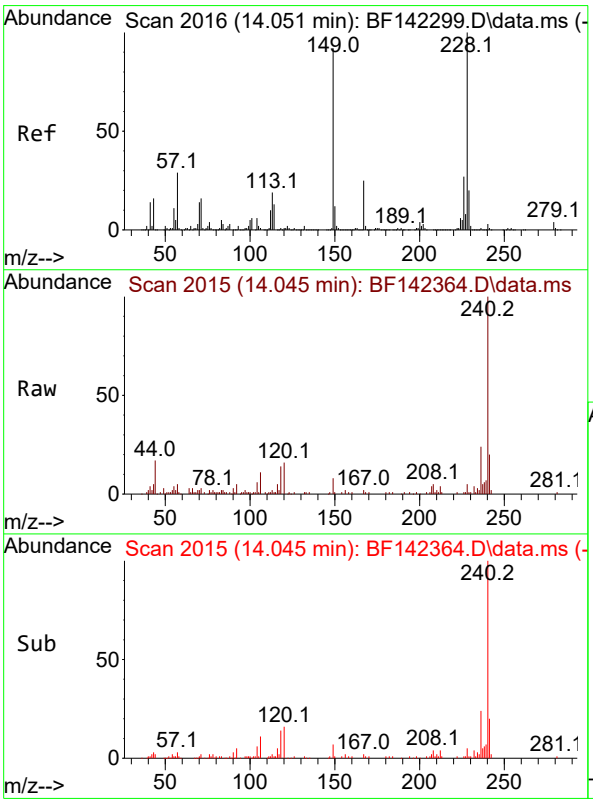
#79
Terphenyl-d14
Concen: 45.489 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142364.D
Acq: 14 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:244 Resp: 1879960

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.2
122	11.1	9.0	13.4

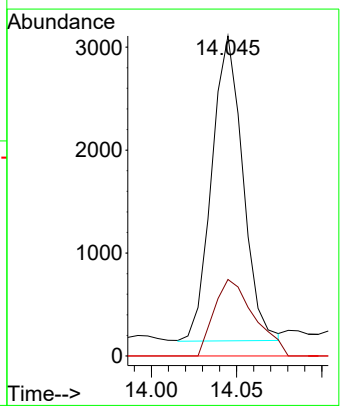


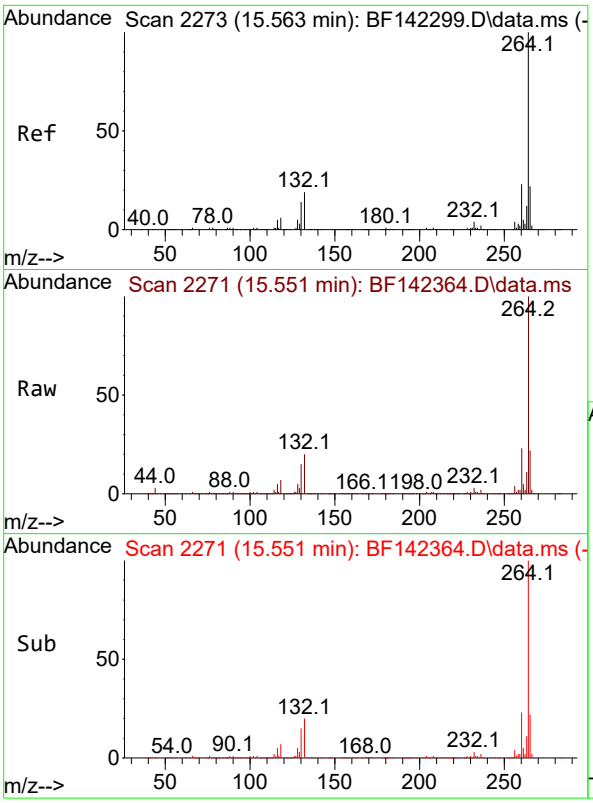


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.403 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142364.D
Acq: 14 May 2025 14:23

Tgt Ion:149 Resp: 3758

Ion	Ratio	Lower	Upper
149	100		
167	23.9	22.0	33.0
279	0.0	3.0	4.6#



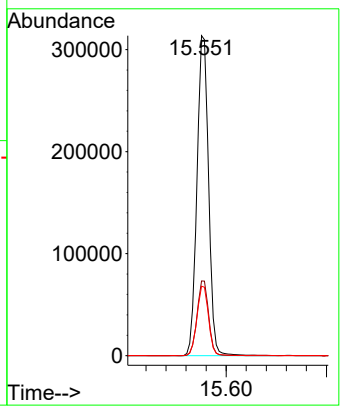


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142364.D
Acq: 14 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:264 Resp: 503779

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	27.8
265	21.7	17.5	26.3



Sample Results: **BF142364.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142364.D
Acq On : 14 May 2025 14:23
Operator : RC/JU
Sample : Q1982-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142364.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	503	rBV	230707	342761	6.92%	1.099%
2	5.510	557	564	569	rBV	2221403	3039391	61.32%	9.749%
3	6.516	728	735	740	rBV	2347887	3154534	63.64%	10.118%
4	6.898	795	800	805	rBV	830738	993933	20.05%	3.188%
5	7.457	889	895	900	rBV	1581446	2012071	40.59%	6.454%
6	7.710	934	938	944	rVB	45105	54343	1.10%	0.174%
7	8.181	1013	1018	1023	rBV	1076096	1330468	26.84%	4.267%
8	9.257	1195	1201	1206	rBV	3165324	3972067	80.14%	12.740%
9	9.933	1311	1316	1322	rBV	1210374	1560470	31.48%	5.005%
10	10.651	1432	1438	1443	rBV	504294	628002	12.67%	2.014%
11	10.722	1445	1450	1461	rVV	2129711	2730745	55.09%	8.759%
12	11.422	1564	1569	1576	rBV	1404403	1767145	35.65%	5.668%
13	11.951	1652	1659	1672	rBV	528236	848359	17.12%	2.721%
14	12.204	1697	1702	1709	rVB3	42397	57993	1.17%	0.186%
15	12.733	1787	1792	1805	rBV	122428	216839	4.37%	0.696%
16	13.010	1833	1839	1844	rBV	3765198	4956547	100.00%	15.898%
17	13.904	1986	1991	2011	rBV	200242	381637	7.70%	1.224%
18	14.063	2012	2018	2025	rBV	1287192	1675689	33.81%	5.375%
19	14.157	2030	2034	2042	rVB	52374	99192	2.00%	0.318%
20	15.551	2265	2271	2286	rBV	840443	1355005	27.34%	4.346%

Sum of corrected areas: 31177191

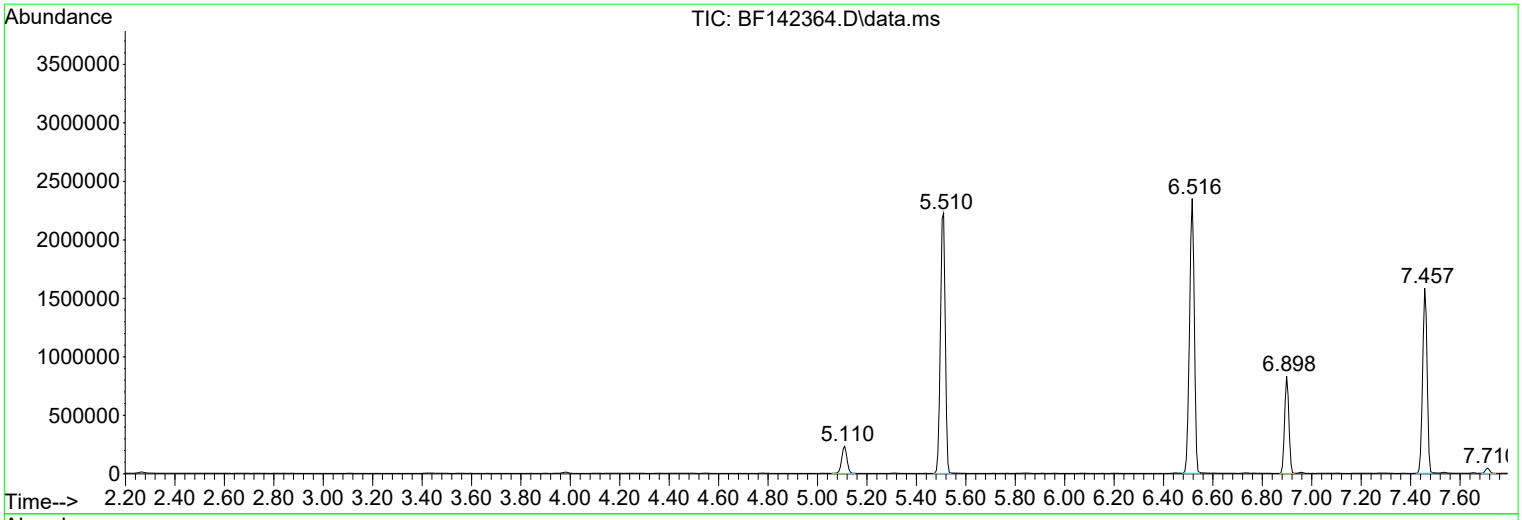
Sample Results: **BF142364.D**

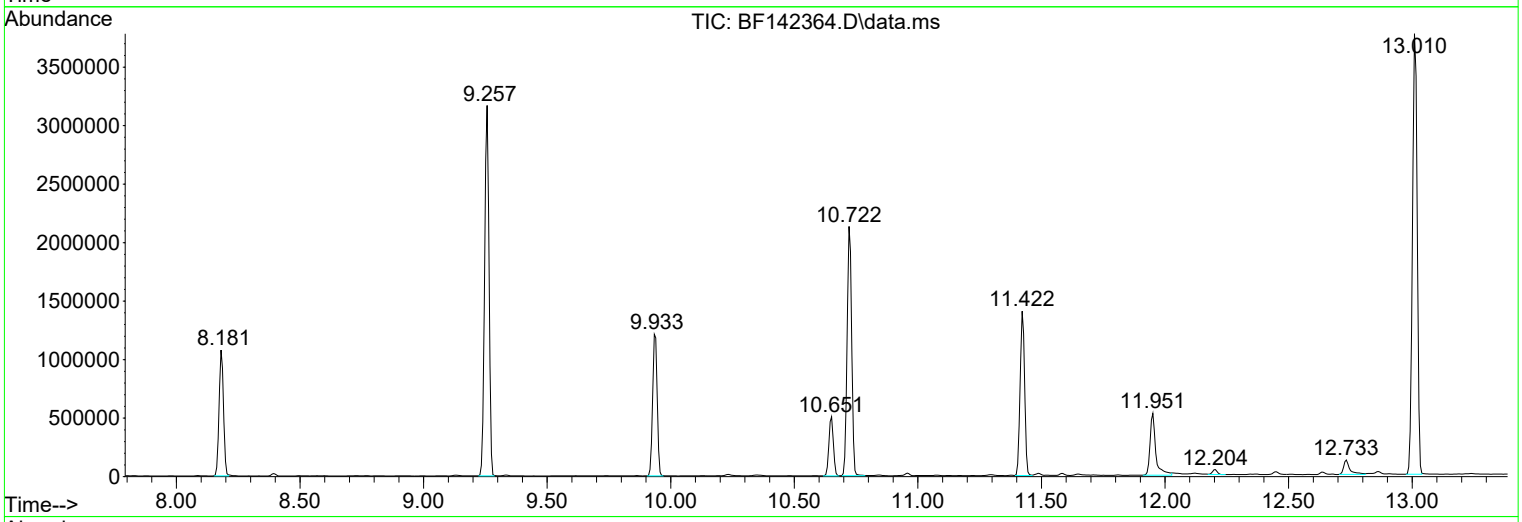
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142364.D
Acq On : 14 May 2025 14:23
Operator : RC/JU
Sample : Q1982-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

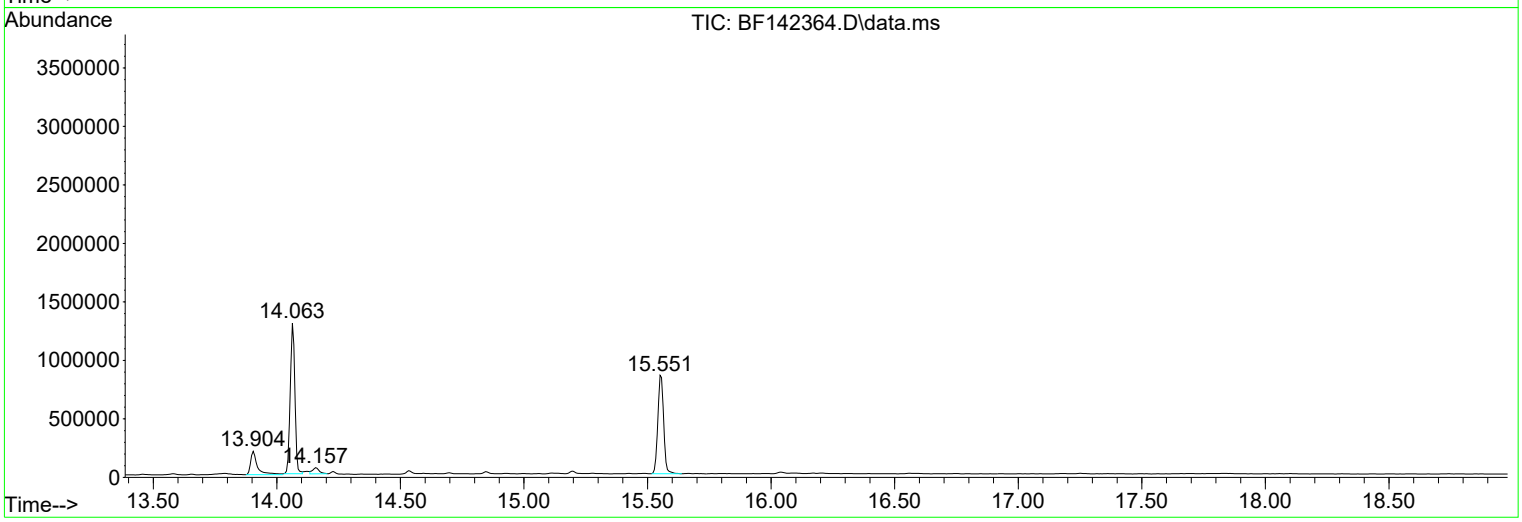
Instrument :
BNA_F
ClientSampleId :
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.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\BF051425\
Data File : BF142364.D
Acq On : 14 May 2025 14:23
Operator : RC/JU
Sample : Q1982-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1

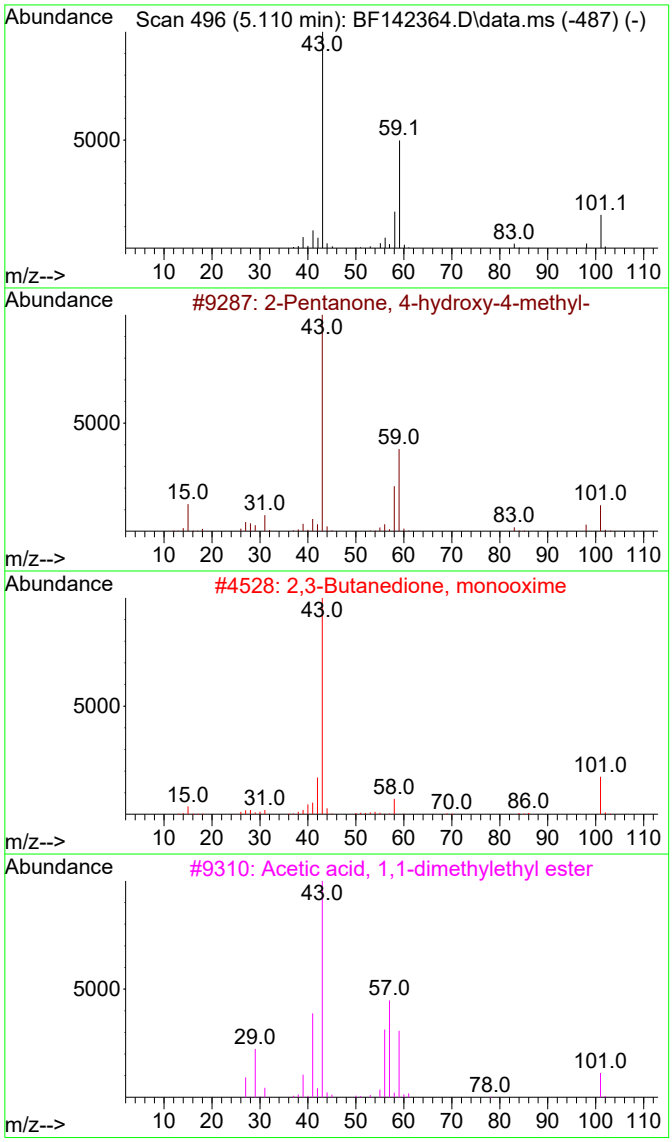
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

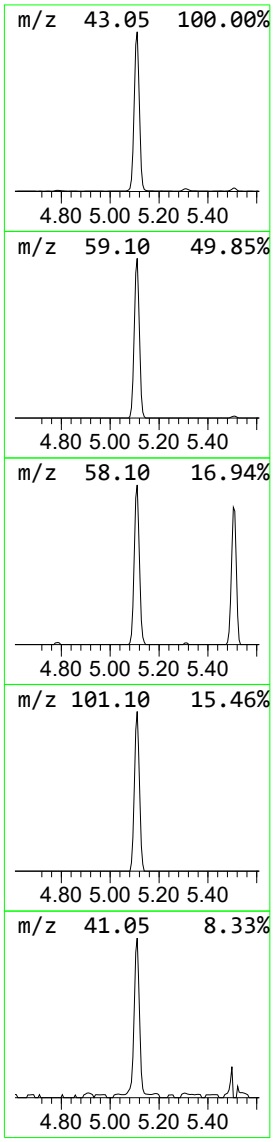
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.110	6.90 ng	342761	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	23
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5	Acetone	58	C3H6O	000067-64-1	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142364.D
Acq On : 14 May 2025 14:23
Operator : RC/JU
Sample : Q1982-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

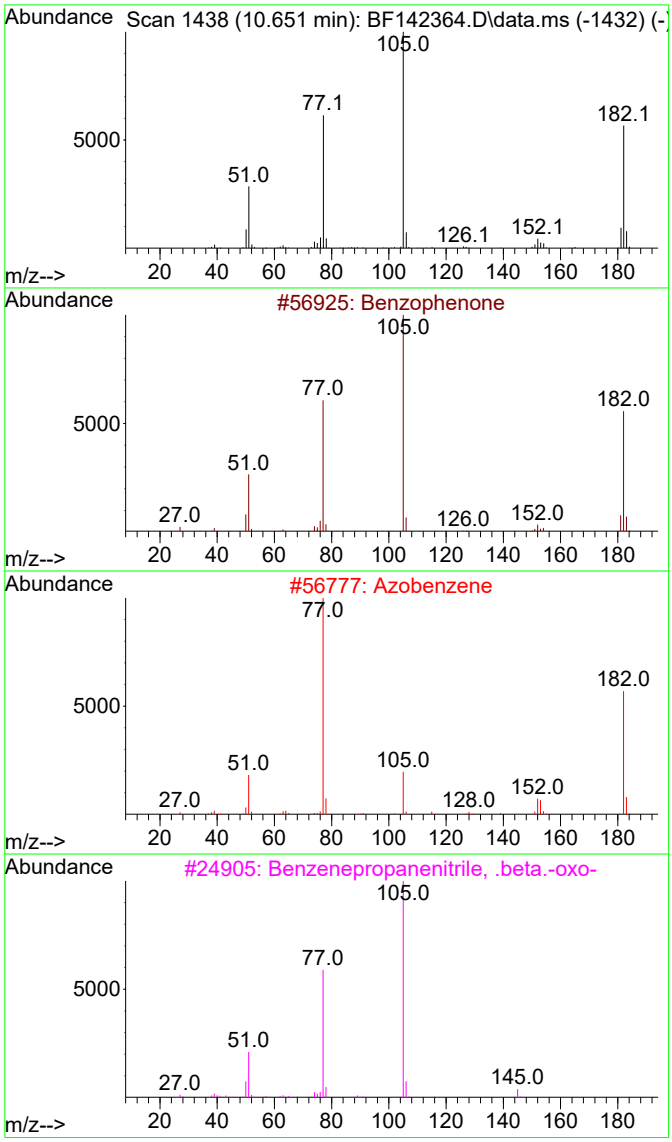
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

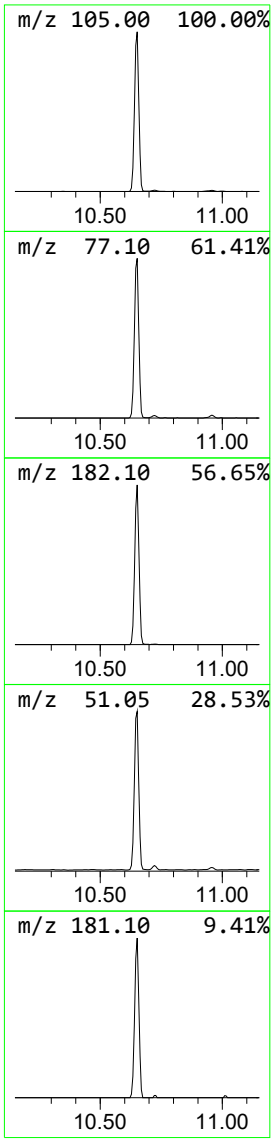
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Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.651	8.05 ng	628002	Acenaphthene-d10	9.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	53
3	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47
4	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
5	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142364.D
Acq On : 14 May 2025 14:23
Operator : RC/JU
Sample : Q1982-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

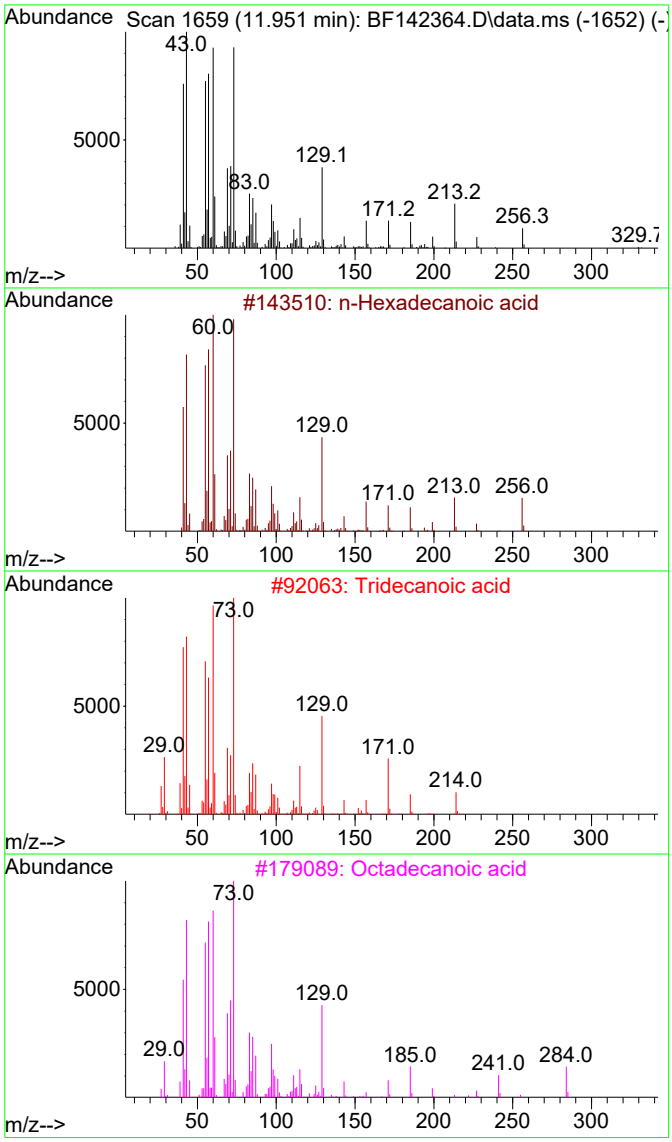
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

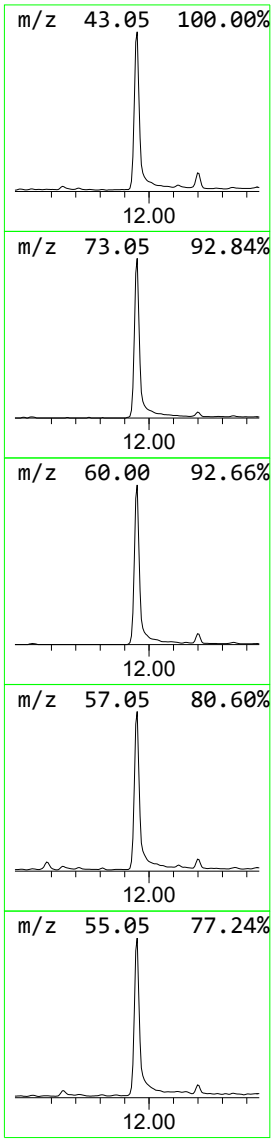
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	9.60 ng	848359	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	94
3	Octadecanoic acid	284	C18H36O2	000057-11-4	93
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142364.D
Acq On : 14 May 2025 14:23
Operator : RC/JU
Sample : Q1982-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

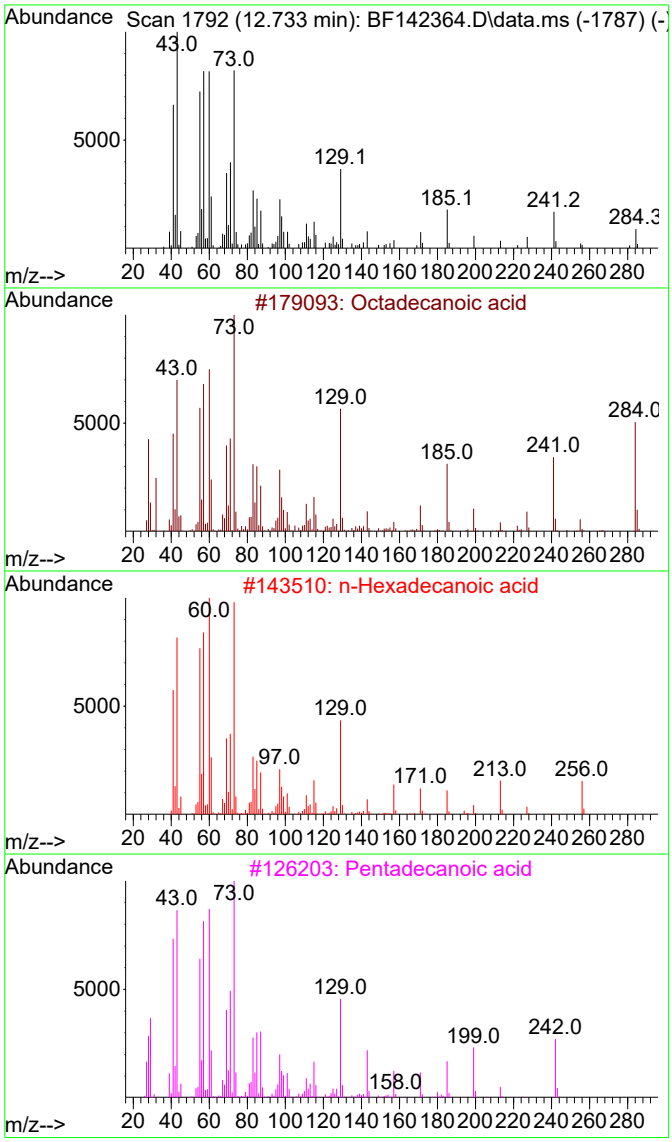
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TIC Integration Parameters: LSCINT.P

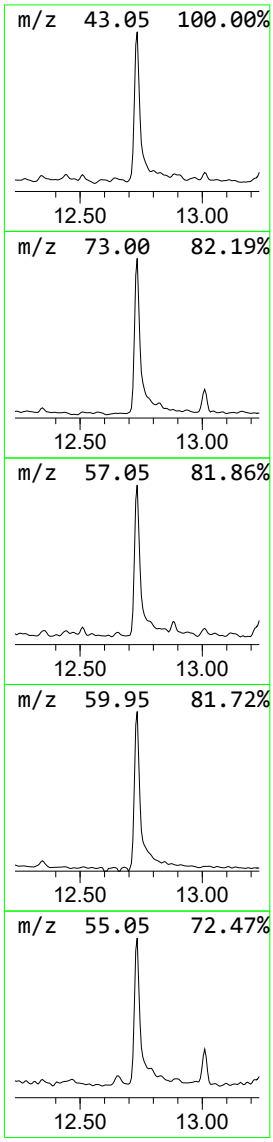
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Peak Number 4 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.733	2.45 ng	216839	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	91
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142364.D
Acq On : 14 May 2025 14:23
Operator : RC/JU
Sample : Q1982-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

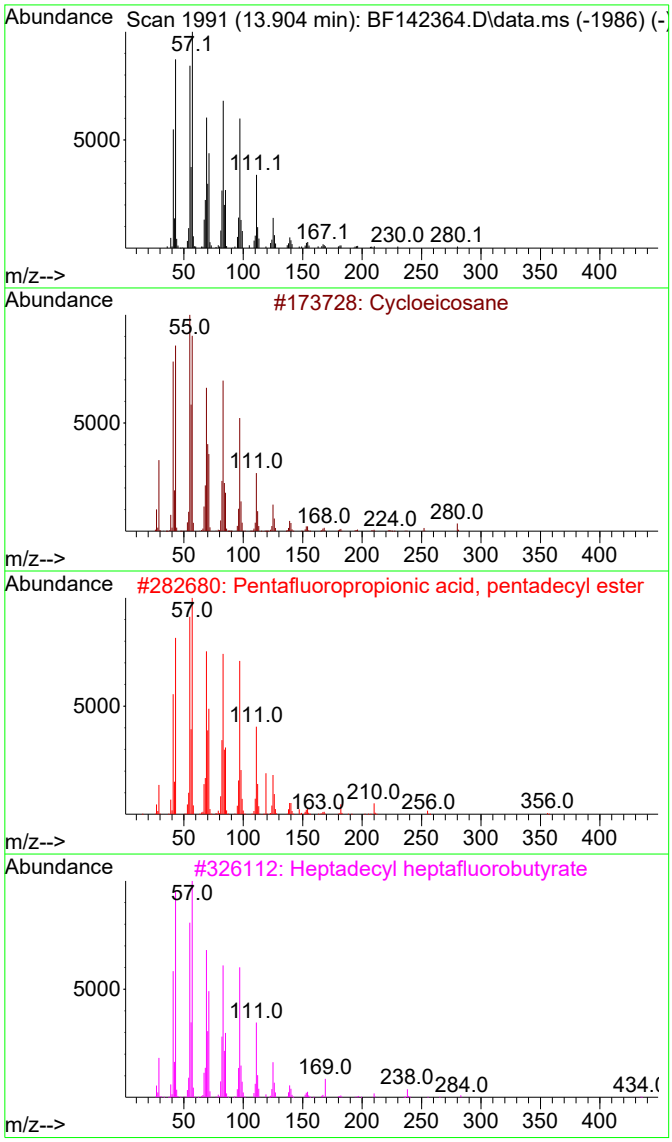
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TIC Integration Parameters: LSCINT.P

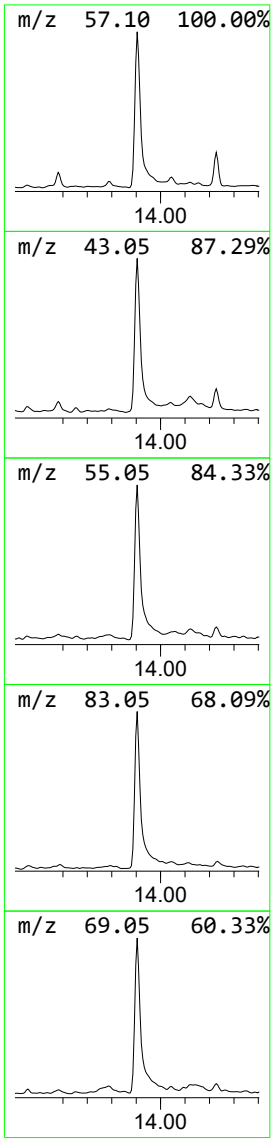
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Peak Number 5 Cycloeicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	4.55 ng	381637	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloeicosane	280	C20H40	000296-56-0	95
2	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	94
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
4	1-Docosene	308	C22H44	001599-67-3	94
5	Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142364.D
Acq On : 14 May 2025 14:23
Operator : RC/JU
Sample : Q1982-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.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	6.9	ng	342761	1	6.898	993933	20.0
Benzophenone	10.651	8.1	ng	628002	3	9.933	1560470	20.0
n-Hexadecanoic ...	11.951	9.6	ng	848359	4	11.422	1767150	20.0
Octadecanoic acid	12.733	2.5	ng	216839	4	11.422	1767150	20.0
Cycloeicosane	13.904	4.5	ng	381637	5	14.063	1675690	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142378.D
Acq On : 14 May 2025 21:06
Operator : RC/JU
Sample : Q1982-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2B

Quant Time: May 15 01:04:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

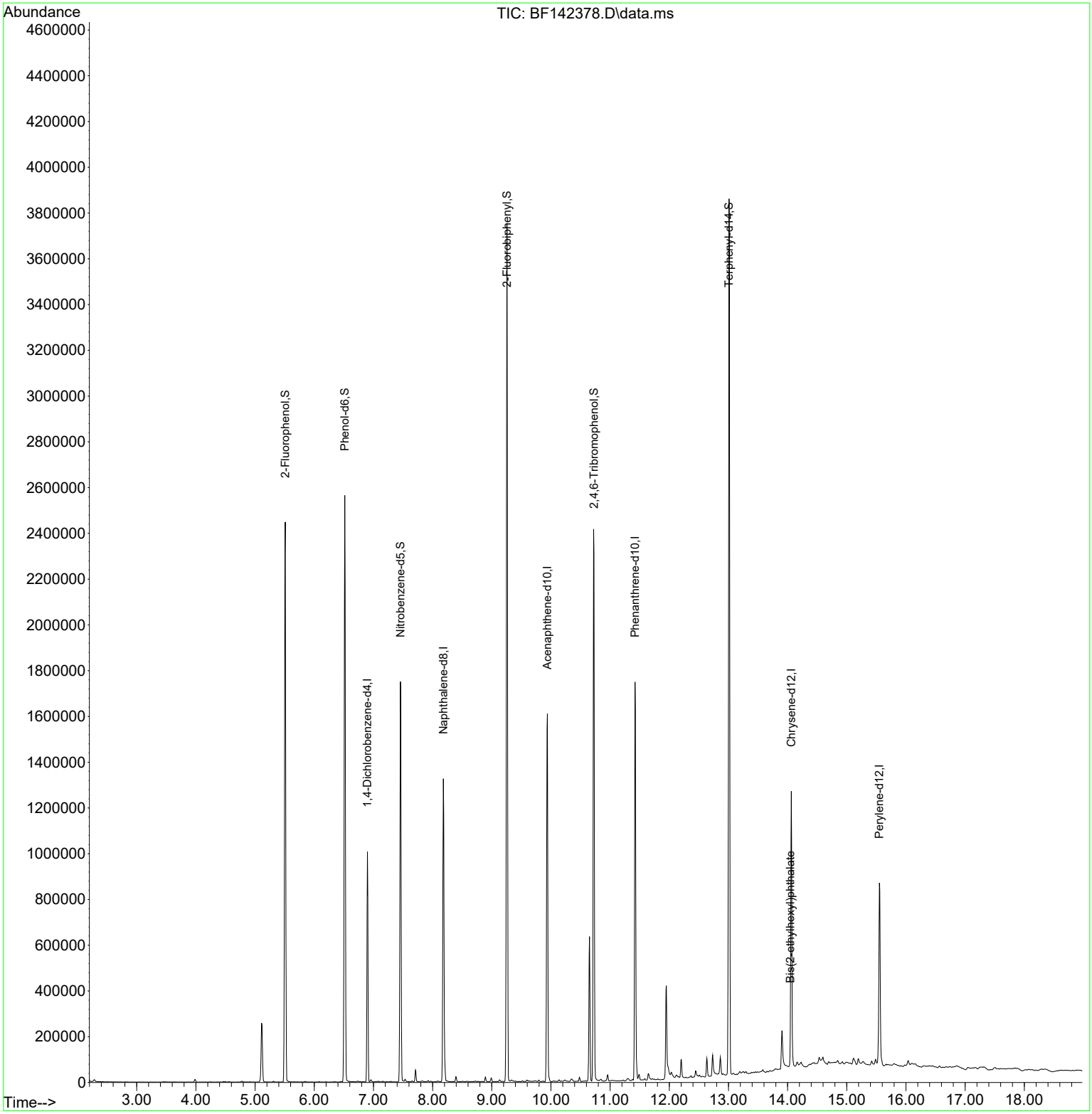
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	213754	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	843294	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	499403	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	915623	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	567502	20.000	ng	0.00
86) Perylene-d12	15.551	264	470991	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	967326	77.252	ng	0.00
7) Phenol-d6	6.516	99	1248110	81.043	ng	0.00
23) Nitrobenzene-d5	7.457	82	751490	54.348	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	456974	94.776	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1720635	49.127	ng	0.00
79) Terphenyl-d14	13.010	244	1907000	49.737	ng	0.00
Target Compounds						Qvalue
84) Bis(2-ethylhexyl)phtha...	14.045	149	6715	4.556	ng	99

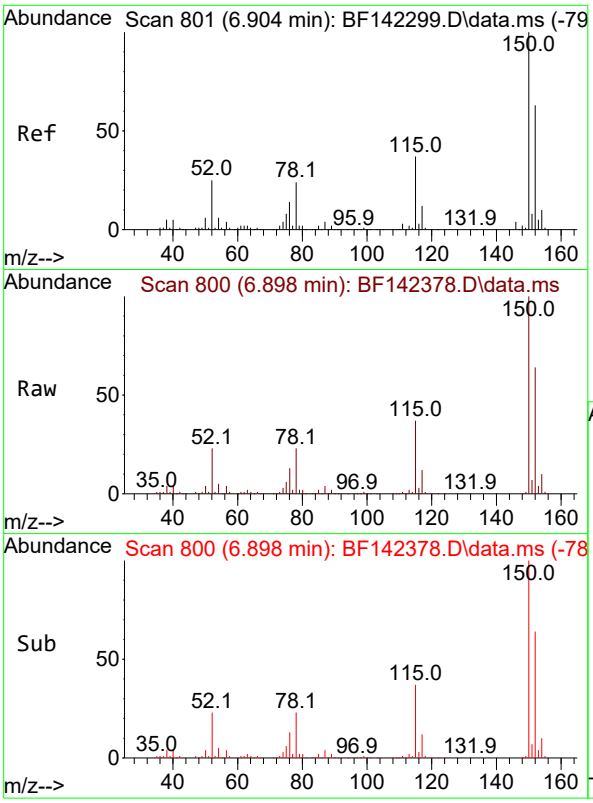
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142378.D
Acq On : 14 May 2025 21:06
Operator : RC/JU
Sample : Q1982-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2B

Quant Time: May 15 01:04:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration



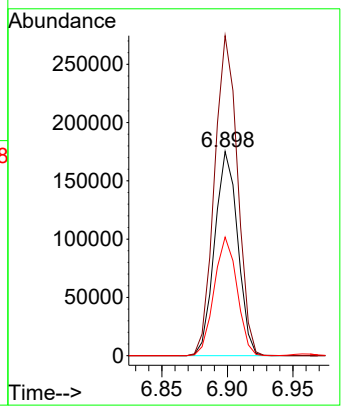


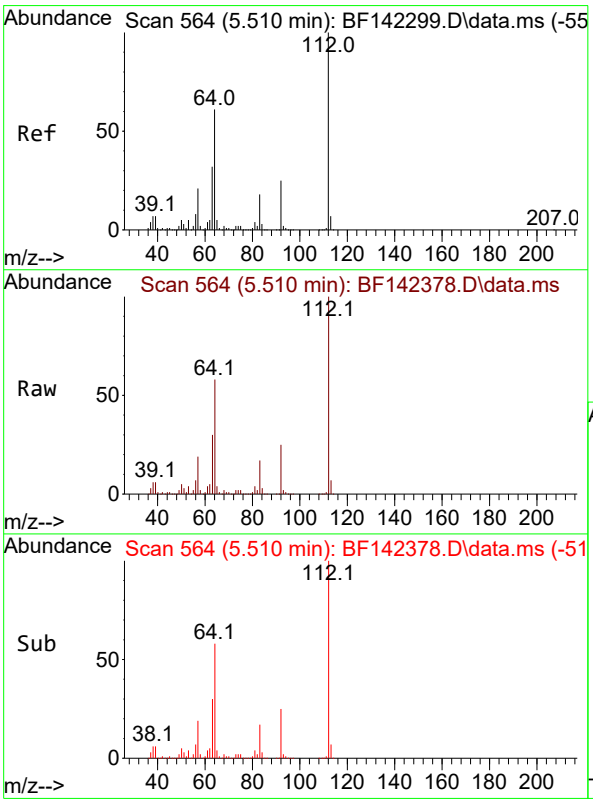
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142378.D
Acq: 14 May 2025 21:06

Instrument :
BNA_F
ClientSampleId :
TP-2B

Tgt Ion:152 Resp: 213754

Ion	Ratio	Lower	Upper
152	100		
150	156.7	126.6	190.0
115	58.1	47.3	70.9

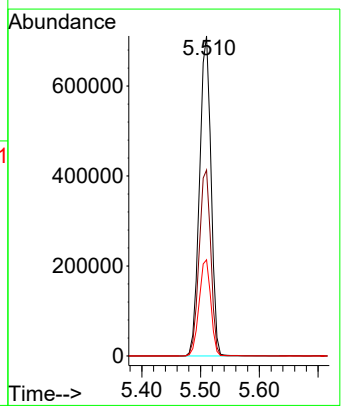


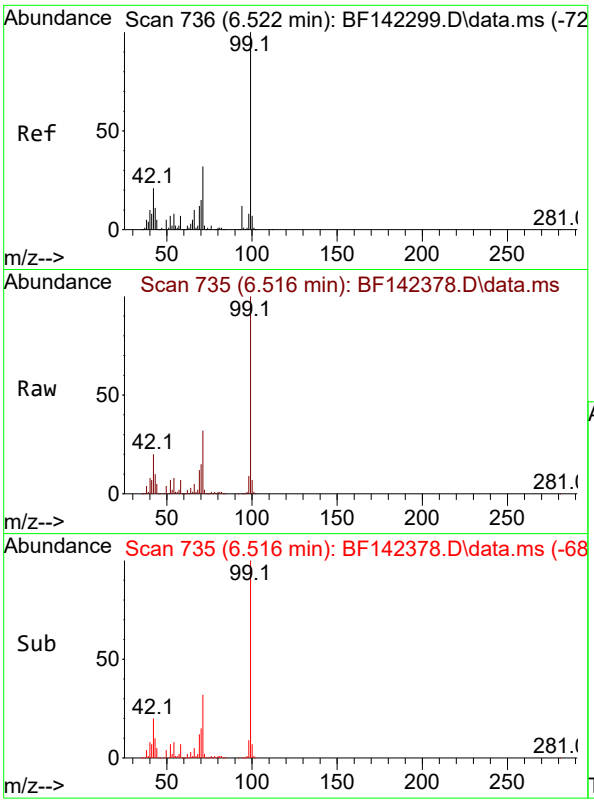


#5
2-Fluorophenol
Concen: 77.252 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF142378.D
Acq: 14 May 2025 21:06

Tgt Ion:112 Resp: 967326

Ion	Ratio	Lower	Upper
112	100		
64	58.1	48.9	73.3
63	30.1	25.6	38.4



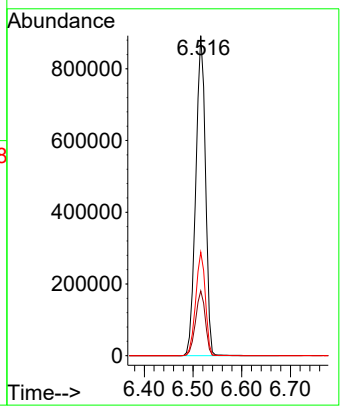


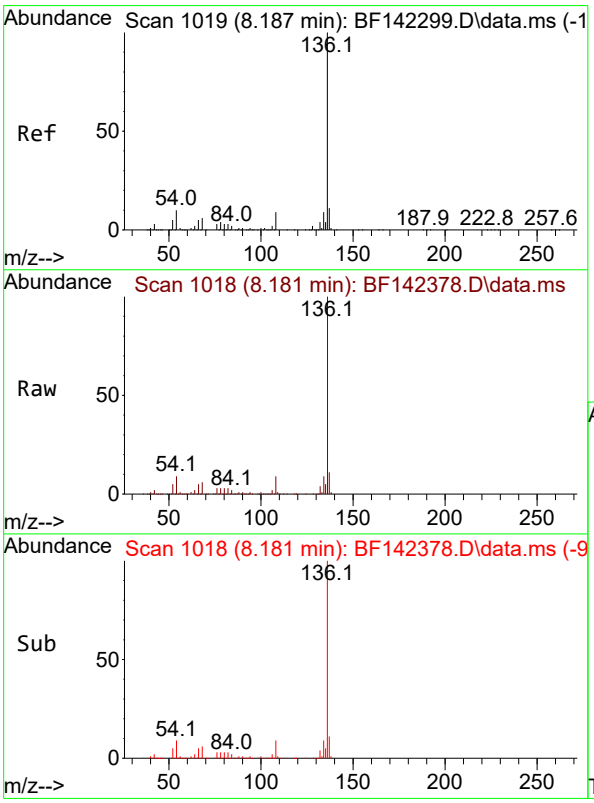
#7
Phenol-d6
Concen: 81.043 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142378.D
Acq: 14 May 2025 21:06

Instrument :
BNA_F
ClientSampleId :
TP-2B

Tgt Ion: 99 Resp: 1248110

Ion	Ratio	Lower	Upper
99	100		
42	20.2	17.0	25.4
71	32.3	25.8	38.8

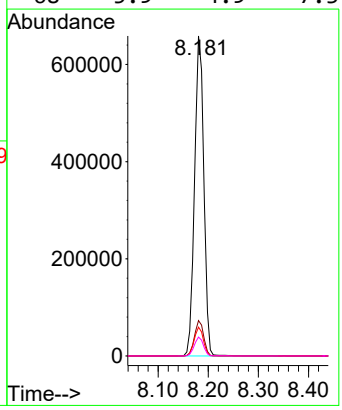


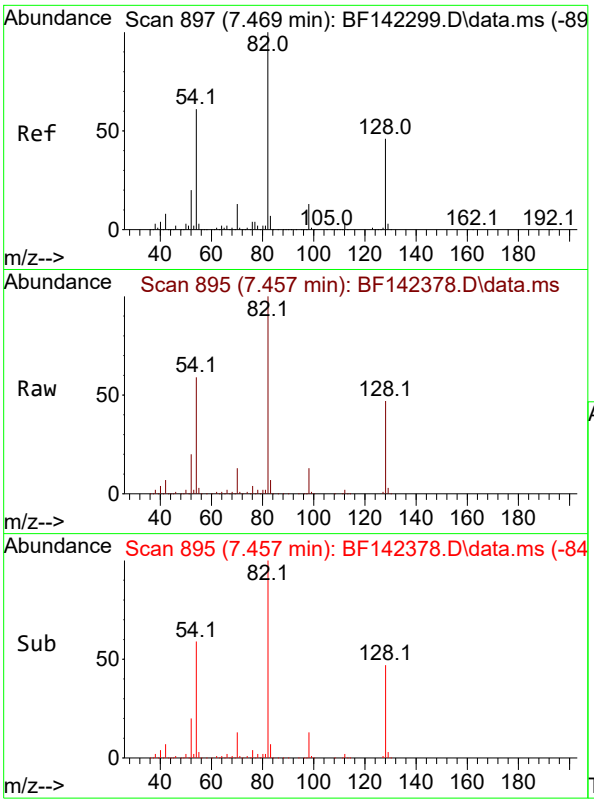


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142378.D
Acq: 14 May 2025 21:06

Tgt Ion:136 Resp: 843294

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.0	7.7	11.5
68	5.9	4.9	7.3



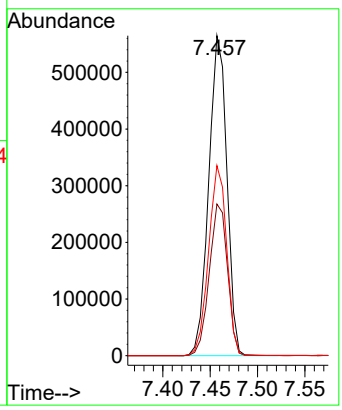


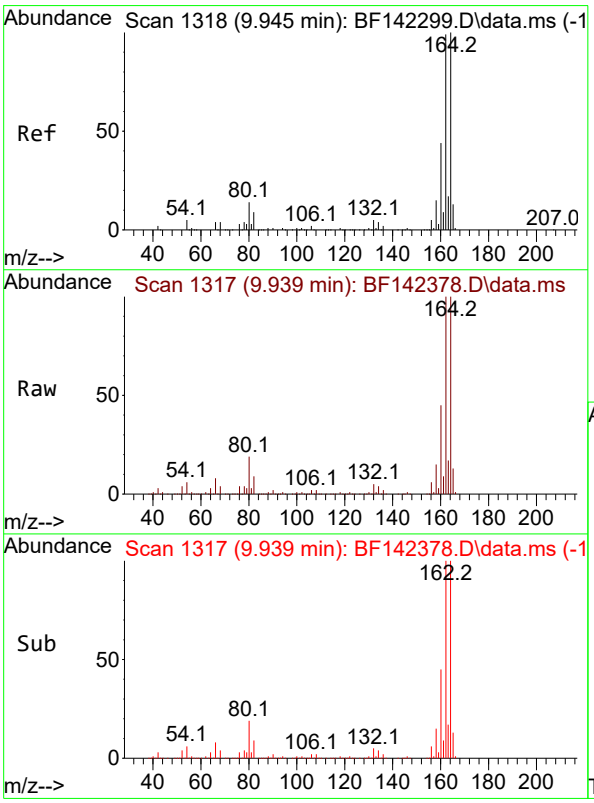
#23
Nitrobenzene-d5
Concen: 54.348 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142378.D
Acq: 14 May 2025 21:06

Instrument :
BNA_F
ClientSampleId :
TP-2B

Tgt Ion: 82 Resp: 751490

Ion	Ratio	Lower	Upper
82	100		
128	47.4	37.0	55.6
54	59.4	48.6	73.0

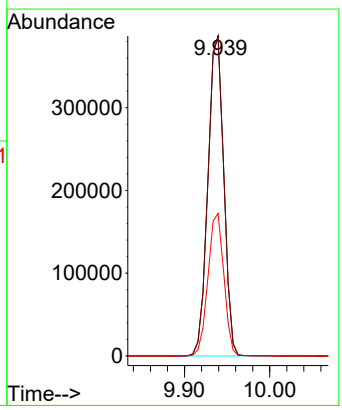


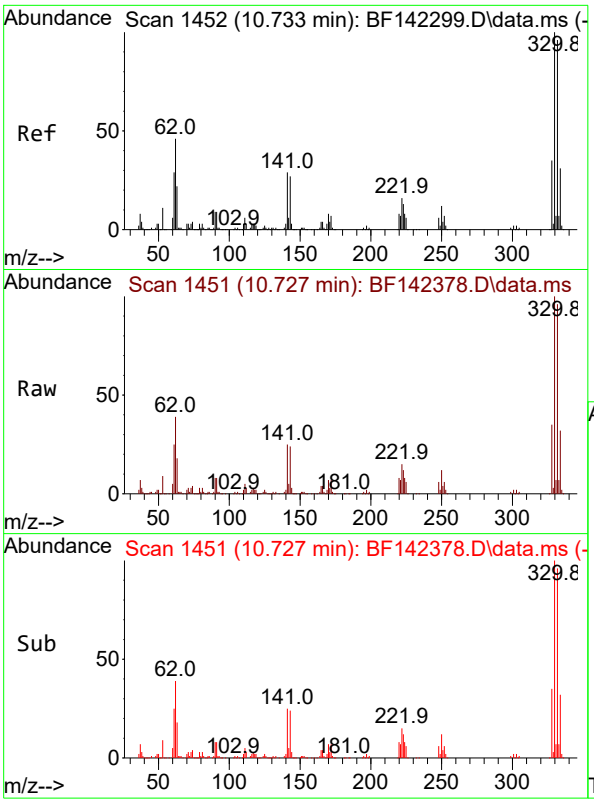


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142378.D
Acq: 14 May 2025 21:06

Tgt Ion:164 Resp: 499403

Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.2	118.8
160	44.6	35.3	52.9



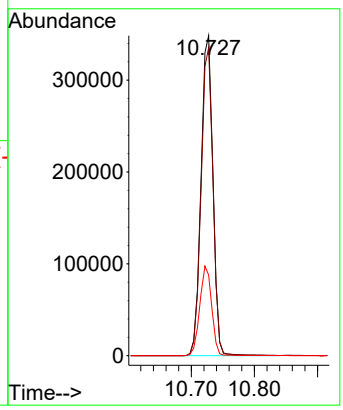


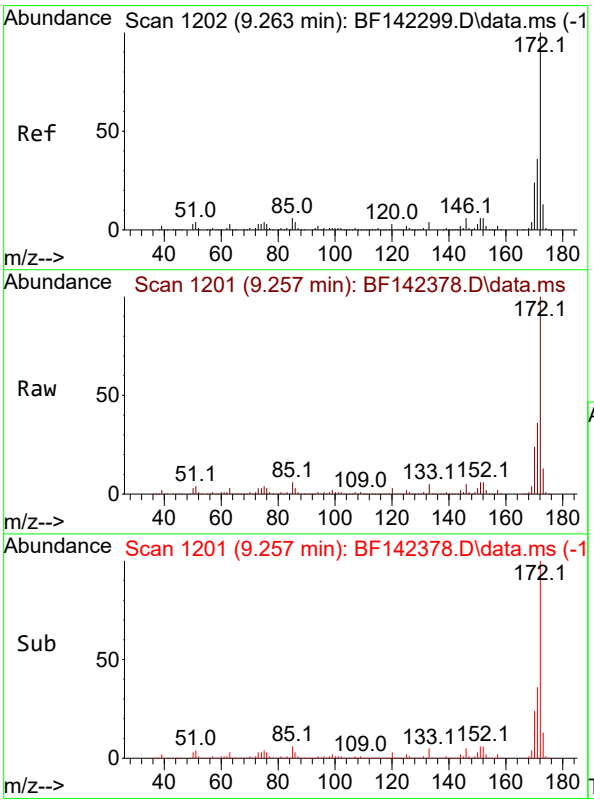
#42
2,4,6-Tribromophenol
Concen: 94.776 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142378.D
Acq: 14 May 2025 21:06

Instrument :
BNA_F
ClientSampleId :
TP-2B

Tgt Ion:330 Resp: 456974

Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.8	115.2
141	28.0	24.9	37.3

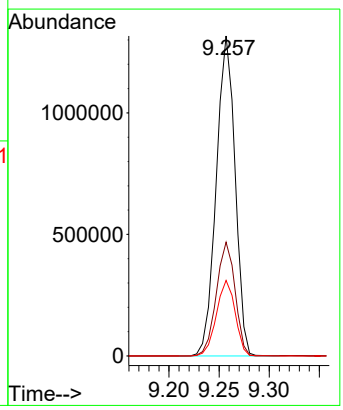


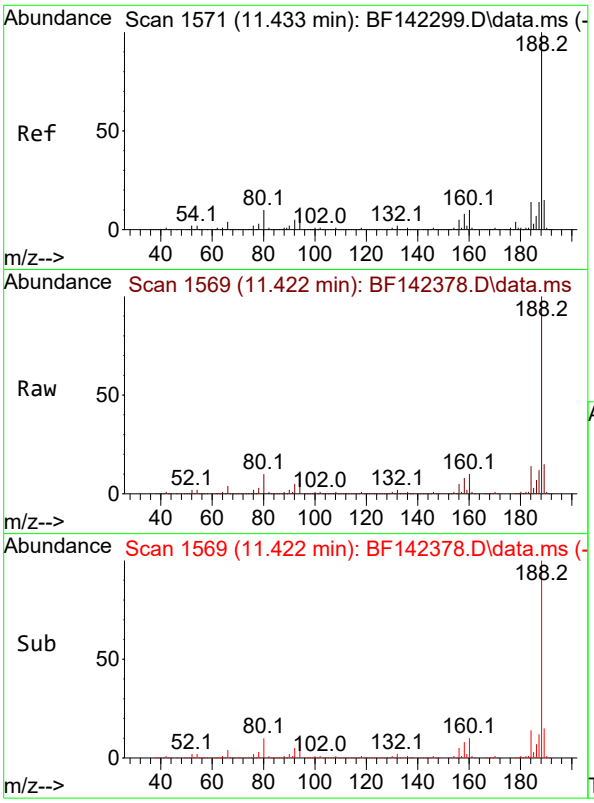


#45
2-Fluorobiphenyl
Concen: 49.127 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142378.D
Acq: 14 May 2025 21:06

Tgt Ion:172 Resp: 1720635

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	42.8
170	23.6	19.0	28.4



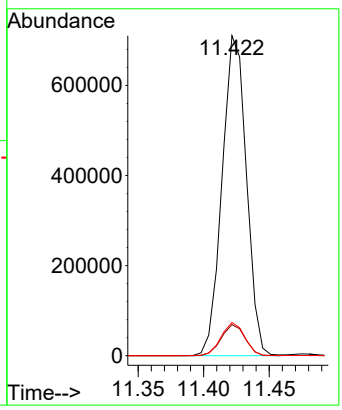


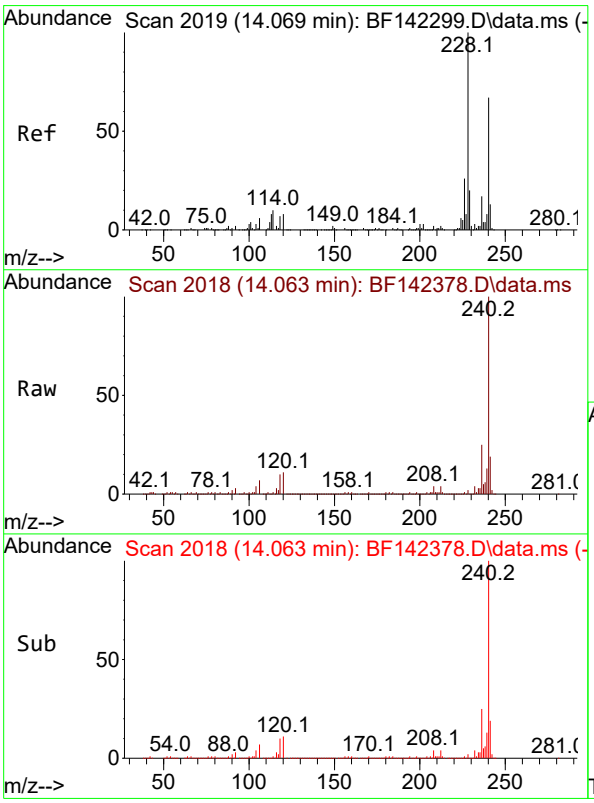
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142378.D
Acq: 14 May 2025 21:06

Instrument :
BNA_F
ClientSampleId :
TP-2B

Tgt Ion:188 Resp: 915623

Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.5	11.3
80	10.3	7.9	11.9

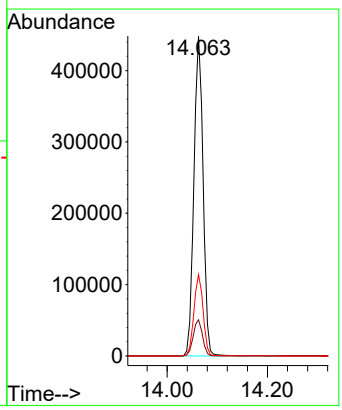


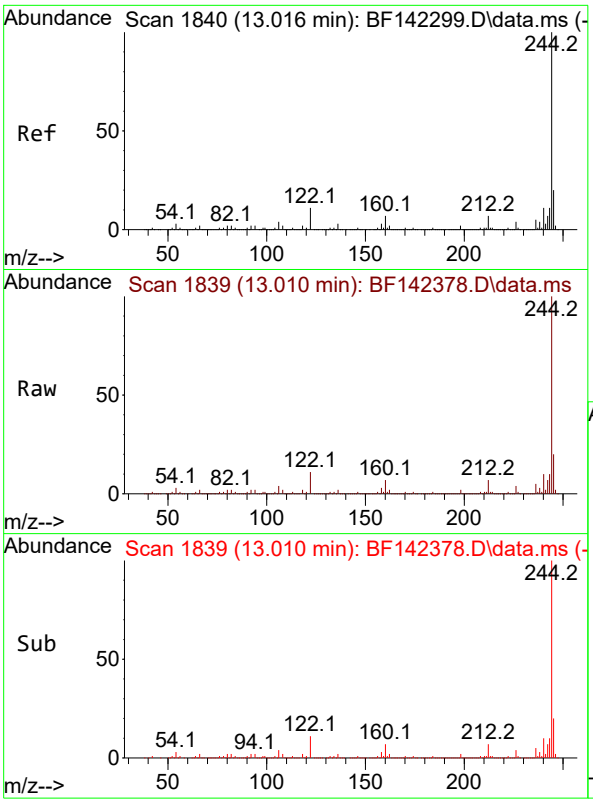


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142378.D
Acq: 14 May 2025 21:06

Tgt Ion:240 Resp: 567502

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.7	14.5
236	25.5	20.0	30.0



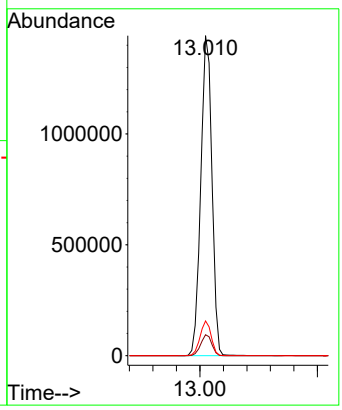


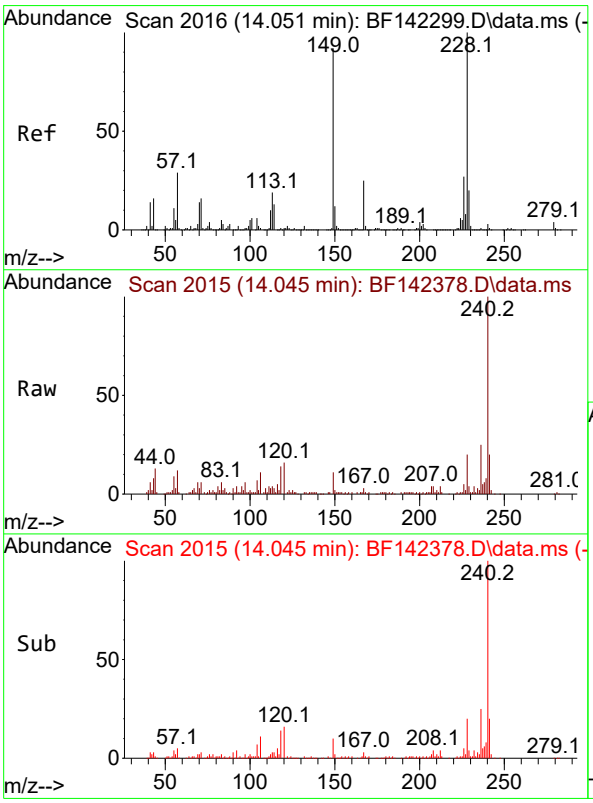
#79
Terphenyl-d14
Concen: 49.737 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142378.D
Acq: 14 May 2025 21:06

Instrument :
BNA_F
ClientSampleId :
TP-2B

Tgt Ion:244 Resp: 1907000

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.2
122	10.9	9.0	13.4

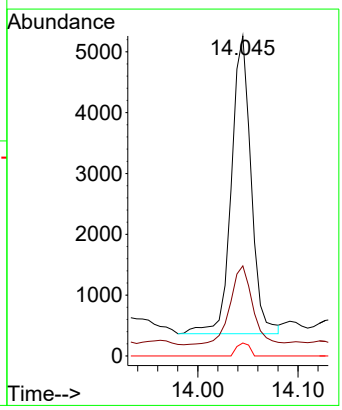


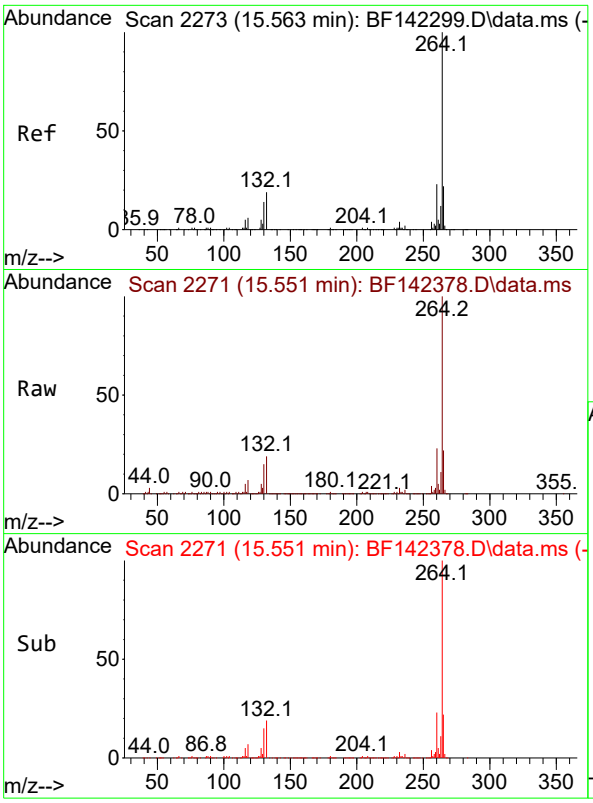


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.556 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142378.D
Acq: 14 May 2025 21:06

Tgt Ion:149 Resp: 6715

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.0	33.0
279	4.0	3.0	4.6



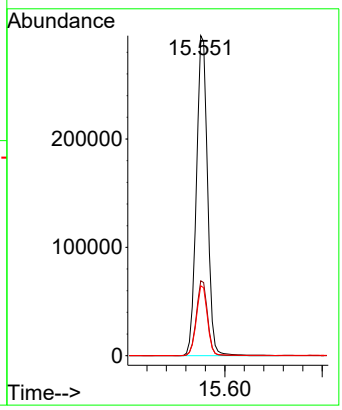


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142378.D
Acq: 14 May 2025 21:06

Instrument :
BNA_F
ClientSampleId :
TP-2B

Tgt Ion:264 Resp: 470991

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	27.8
265	21.9	17.5	26.3



Sample Results: **BF142378.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142378.D
Acq On : 14 May 2025 21:06
Operator : RC/JU
Sample : Q1982-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2B

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-BF050525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142378.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	486	496	506	rBV	258211	396839	7.91%	1.117%
2	5.510	557	564	569	rBV	2446963	3345301	66.68%	9.418%
3	6.516	728	735	740	rBV	2562772	3596202	71.68%	10.124%
4	6.898	795	800	805	rBV	1006630	1224438	24.41%	3.447%
5	7.457	889	895	900	rBV	1749142	2333061	46.50%	6.568%
6	7.710	934	938	943	rBV	50480	62183	1.24%	0.175%
7	8.181	1012	1018	1027	rBV	1323895	1782159	35.52%	5.017%
8	9.257	1194	1201	1206	rBV	3751060	4892909	97.53%	13.775%
9	9.939	1310	1317	1322	rBV	1608672	2112497	42.11%	5.947%
10	10.651	1430	1438	1444	rBV	632568	791516	15.78%	2.228%
11	10.722	1444	1450	1462	rBV	2411779	3228344	64.35%	9.089%
12	11.422	1564	1569	1577	rBV	1740136	2306761	45.98%	6.494%
13	11.645	1602	1607	1616	rBV2	28892	55143	1.10%	0.155%
14	11.951	1651	1659	1670	rBV2	409419	686422	13.68%	1.932%
15	12.198	1697	1701	1711	rVB3	79475	113008	2.25%	0.318%
16	12.633	1771	1775	1782	rBV	81252	109629	2.19%	0.309%
17	12.733	1787	1792	1799	rBV	91428	152689	3.04%	0.430%
18	12.863	1809	1814	1819	rVB	75577	103372	2.06%	0.291%
19	13.010	1833	1839	1844	rBV	3826366	5016844	100.00%	14.124%
20	13.904	1986	1991	2000	rBV	169450	301695	6.01%	0.849%
21	14.063	2012	2018	2029	rVB	1201328	1592832	31.75%	4.484%
22	15.551	2265	2271	2284	rVB	799500	1316169	26.23%	3.705%

Sum of corrected areas: 35520013

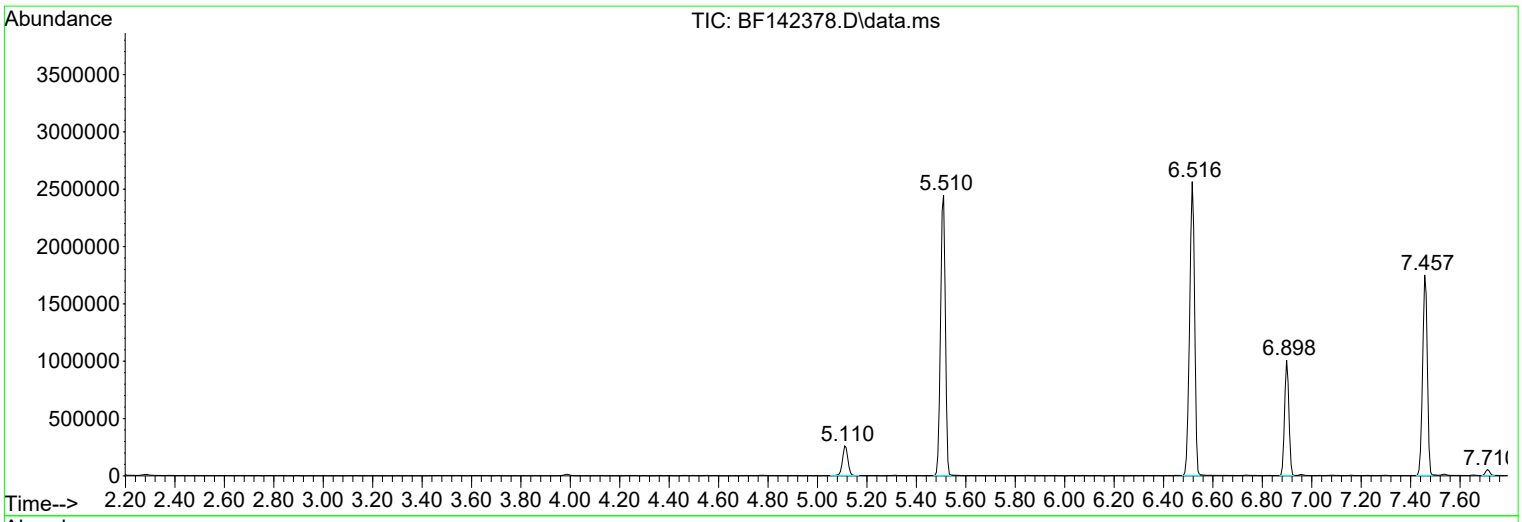
Sample Results: **BF142378.D**

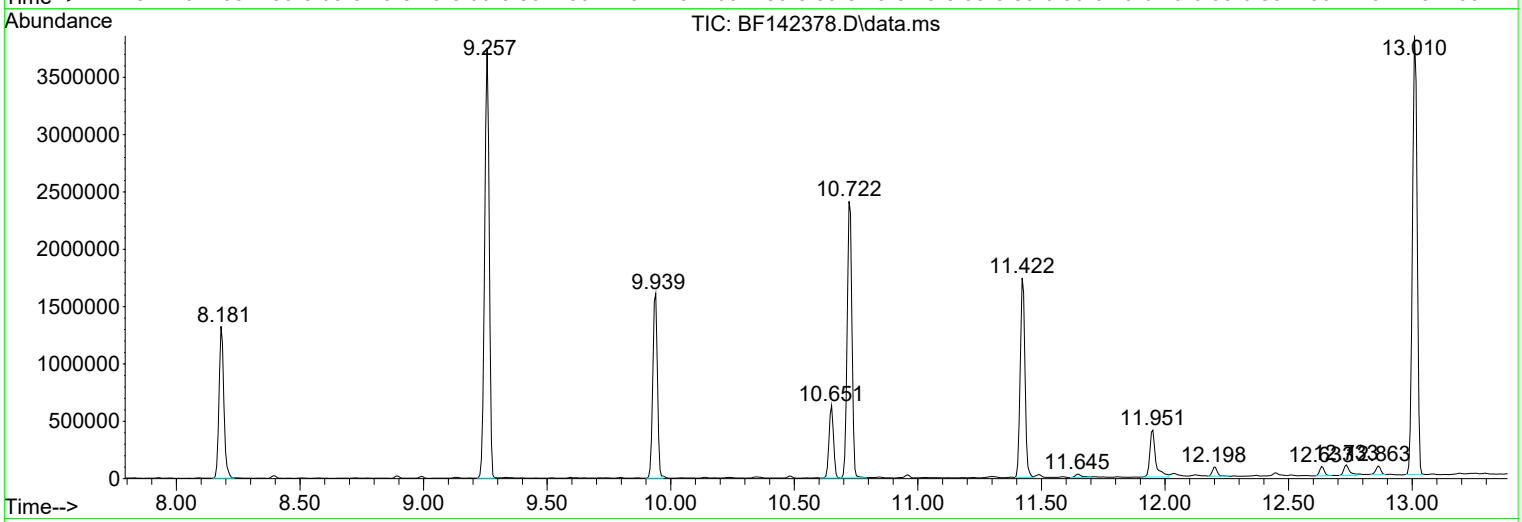
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142378.D
Acq On : 14 May 2025 21:06
Operator : RC/JU
Sample : Q1982-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

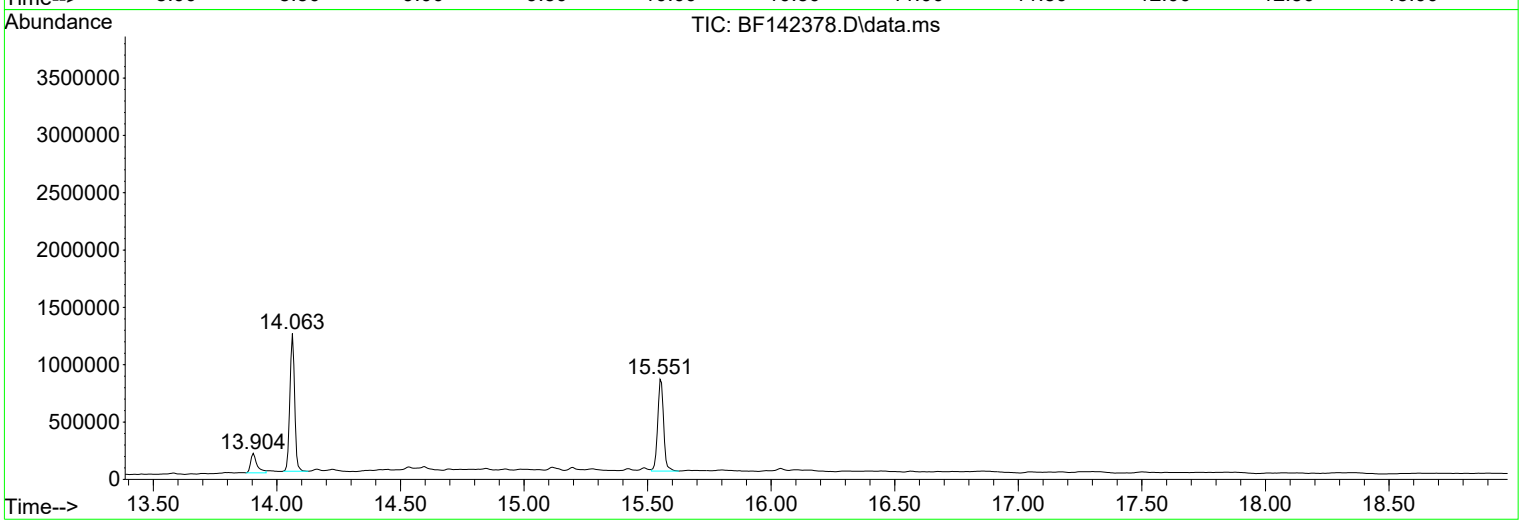
Instrument :
BNA_F
ClientSampleId :
TP-2B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.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\BF051425\
Data File : BF142378.D
Acq On : 14 May 2025 21:06
Operator : RC/JU
Sample : Q1982-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

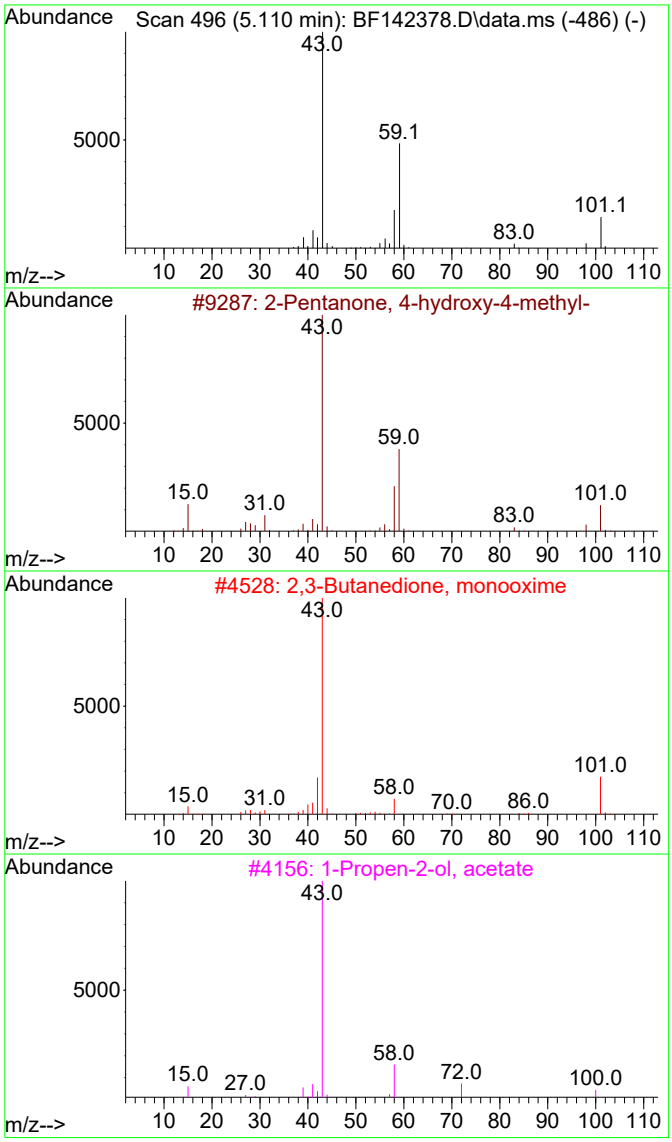
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

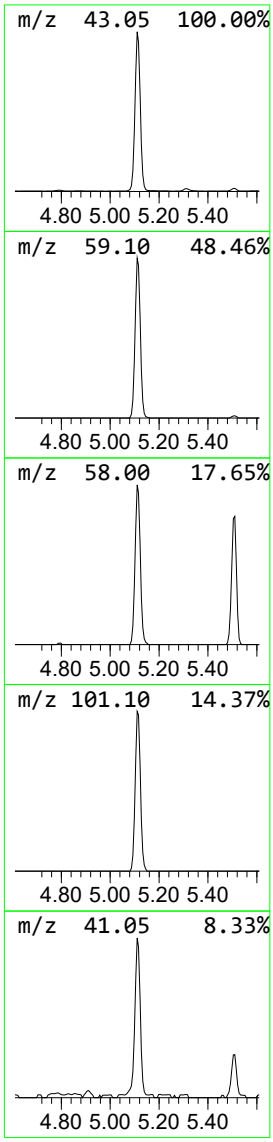
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.110	6.48 ng	396839	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	Acetone	58	C3H6O	000067-64-1	12
5	Allyl acetate	100	C5H8O2	000591-87-7	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142378.D
Acq On : 14 May 2025 21:06
Operator : RC/JU
Sample : Q1982-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

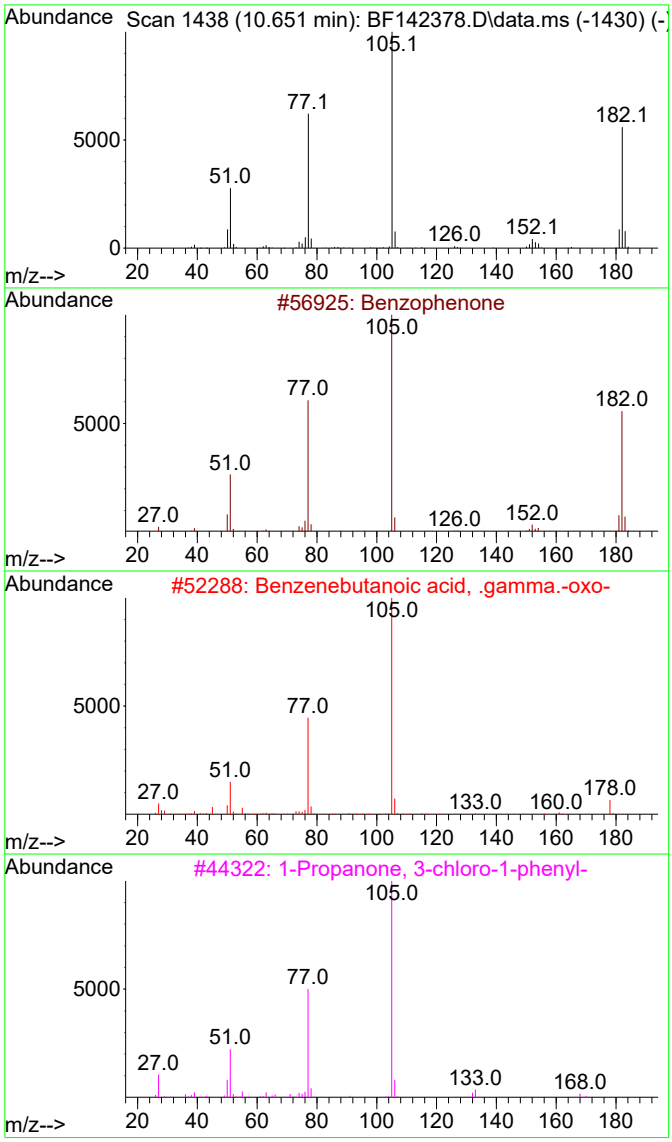
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

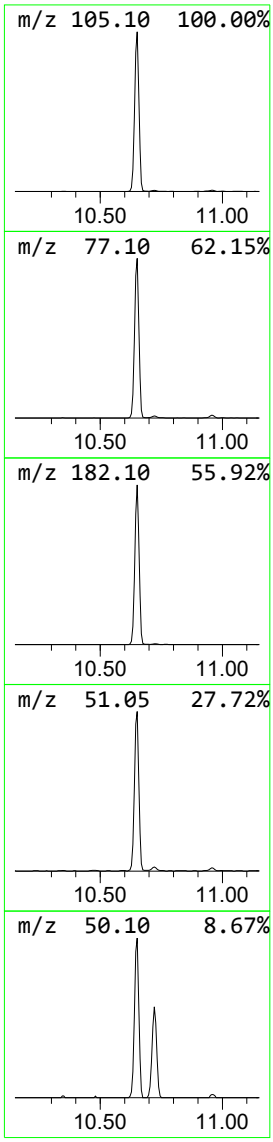
****

Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.651	7.49 ng	791516	Acenaphthene-d10	9.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
3	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47
4	N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47
5	Vinyl benzoate	148	C9H8O2	000769-78-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142378.D
Acq On : 14 May 2025 21:06
Operator : RC/JU
Sample : Q1982-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

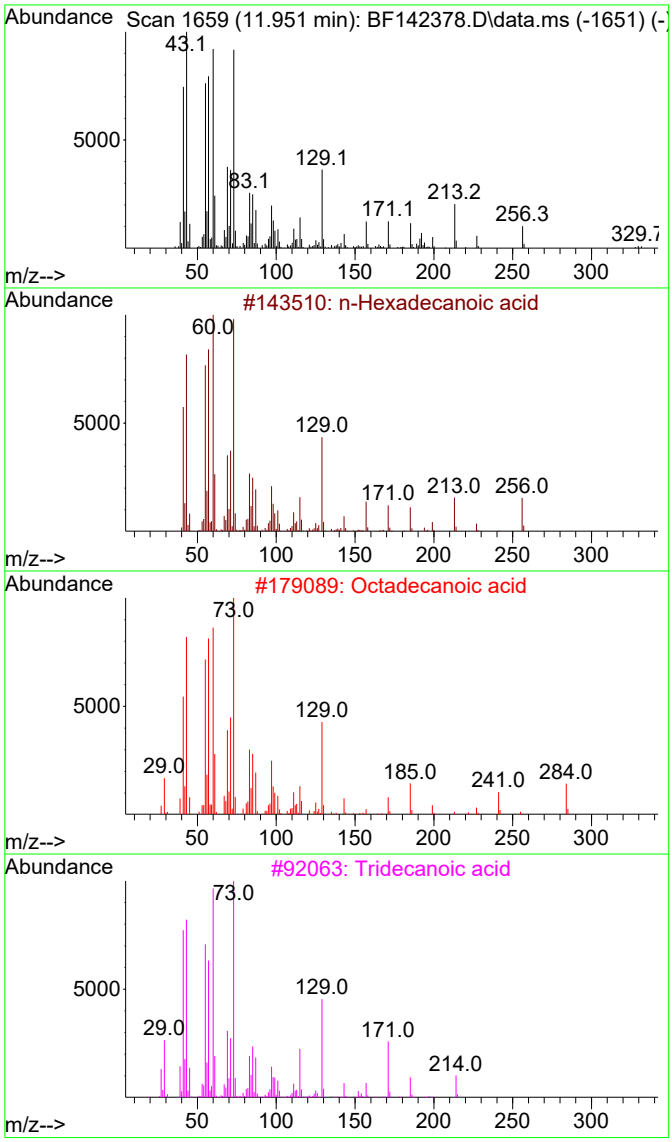
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

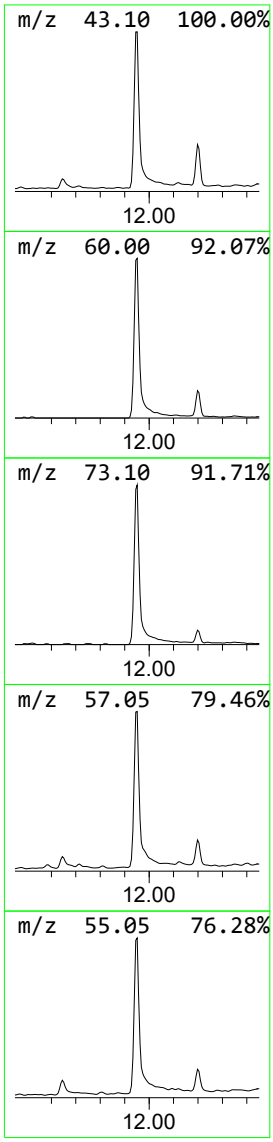
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	5.95 ng	686422	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	92
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142378.D
Acq On : 14 May 2025 21:06
Operator : RC/JU
Sample : Q1982-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2B

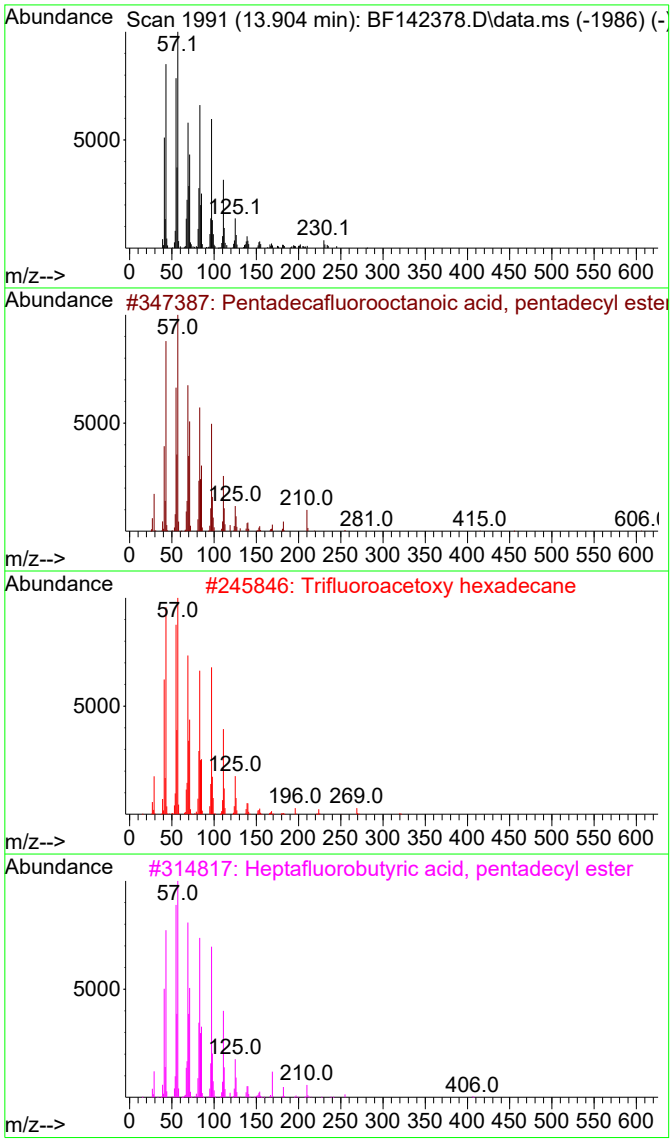
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

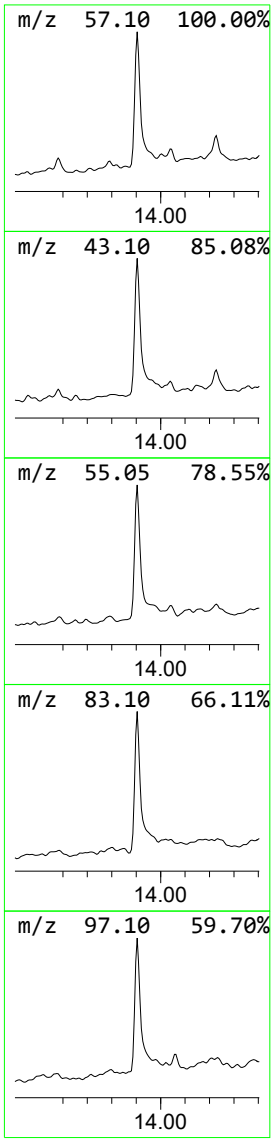
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Pentadecafluorooctanoic aci... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	3.79 ng	301695	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecafluorooctanoic acid, pe...	624	C23H31F15O2	1000406-04-5	94
2	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94
3	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
4	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	94
5	Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142378.D
Acq On : 14 May 2025 21:06
Operator : RC/JU
Sample : Q1982-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.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	6.5	ng	396839	1	6.898	1224440	20.0
Benzophenone	10.651	7.5	ng	791516	3	9.939	2112500	20.0
n-Hexadecanoic ...	11.951	6.0	ng	686422	4	11.422	2306760	20.0
Pentadecafluoro...	13.904	3.8	ng	301695	5	14.063	1592830	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142365.D
Acq On : 14 May 2025 14:51
Operator : RC/JU
Sample : Q1982-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

Quant Time: May 14 15:32:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

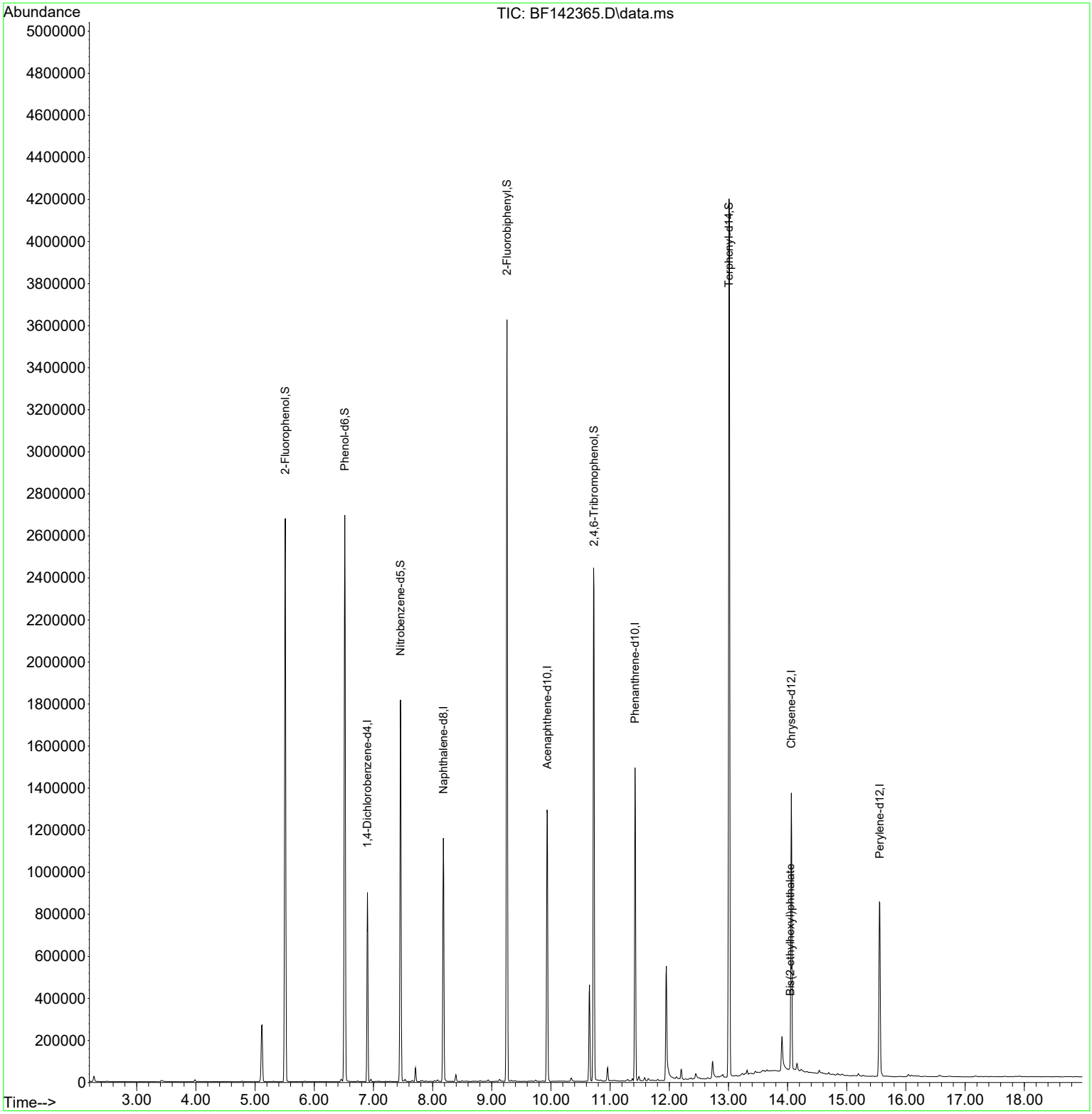
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	187393	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	720141	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	397265	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	760301	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	624905	20.000	ng	0.00
86) Perylene-d12	15.557	264	499846	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1055907	96.189	ng	0.00
7) Phenol-d6	6.516	99	1309851	97.016	ng	0.00
23) Nitrobenzene-d5	7.457	82	770287	65.234	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	454333	118.454	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1617731	58.064	ng	0.00
79) Terphenyl-d14	13.010	244	2158643	51.128	ng	0.00
Target Compounds						Qvalue
84) Bis(2-ethylhexyl)phtha...	14.045	149	6731	4.527	ng	97

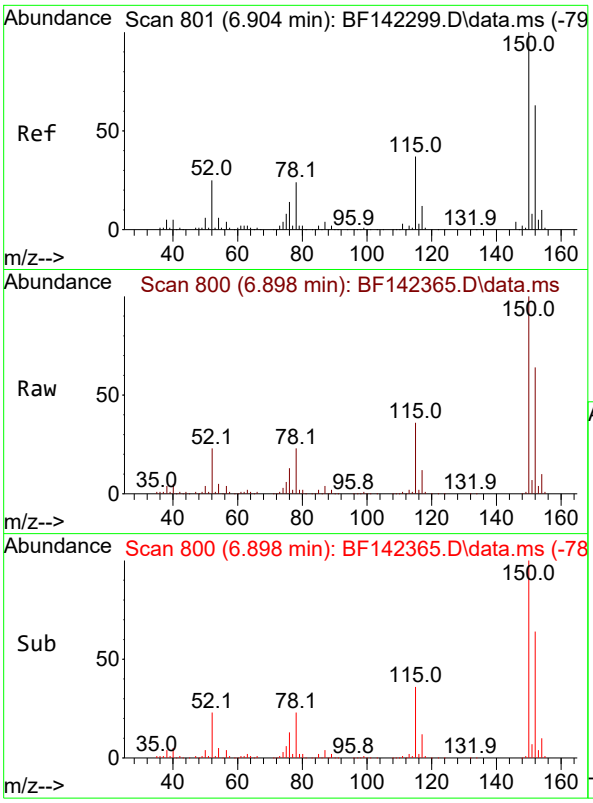
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142365.D
Acq On : 14 May 2025 14:51
Operator : RC/JU
Sample : Q1982-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

Quant Time: May 14 15:32:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration



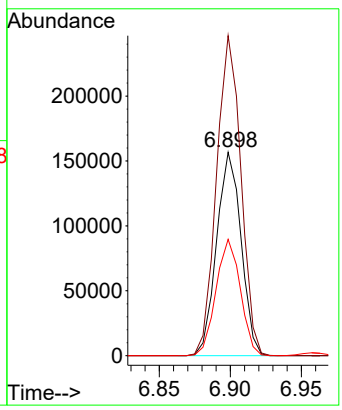


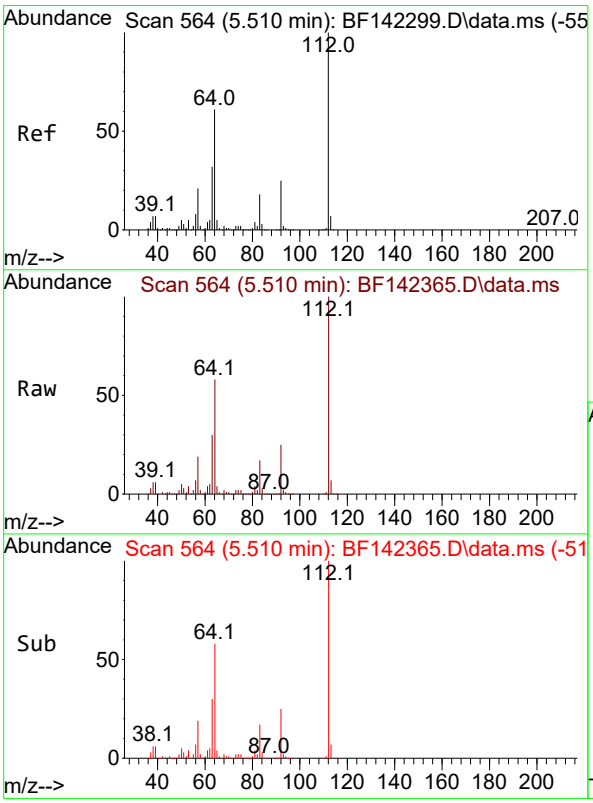
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142365.D
Acq: 14 May 2025 14:51

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion:152 Resp: 187393

Ion	Ratio	Lower	Upper
152	100		
150	157.4	126.6	190.0
115	57.2	47.3	70.9

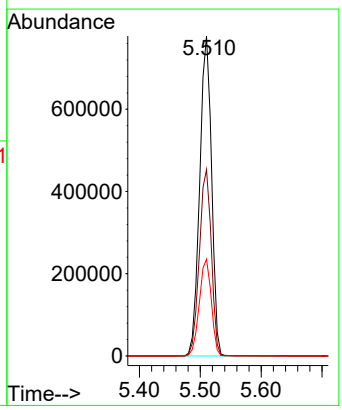


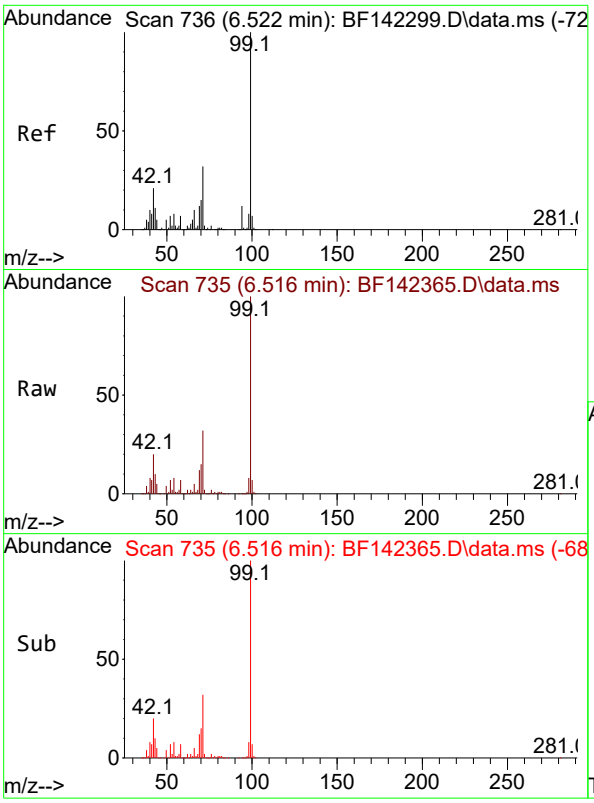


#5
2-Fluorophenol
Concen: 96.189 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF142365.D
Acq: 14 May 2025 14:51

Tgt Ion:112 Resp: 1055907

Ion	Ratio	Lower	Upper
112	100		
64	58.3	48.9	73.3
63	30.2	25.6	38.4



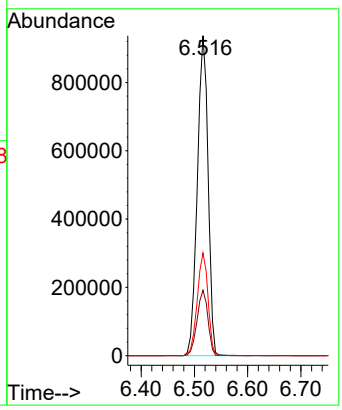


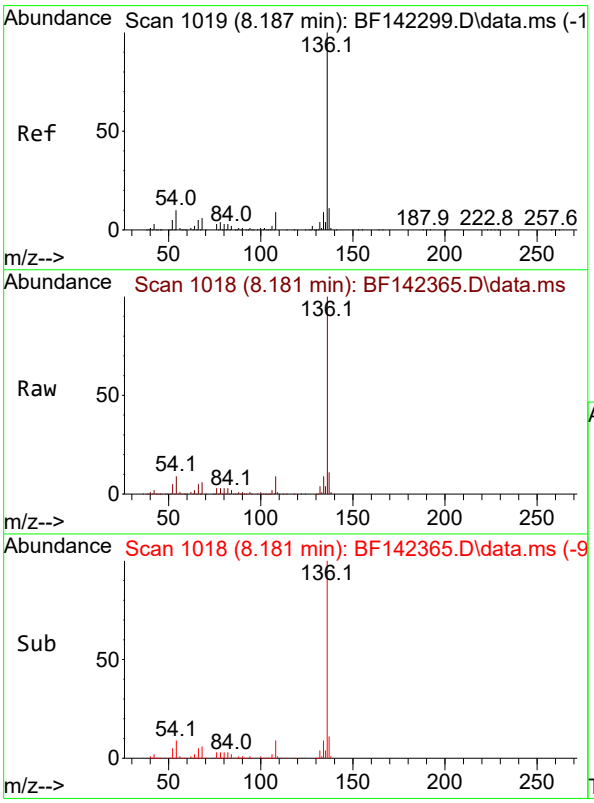
#7
Phenol-d6
Concen: 97.016 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142365.D
Acq: 14 May 2025 14:51

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion: 99 Resp: 1309851

Ion	Ratio	Lower	Upper
99	100		
42	20.5	17.0	25.4
71	32.1	25.8	38.8

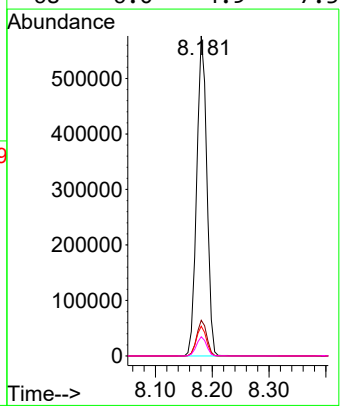


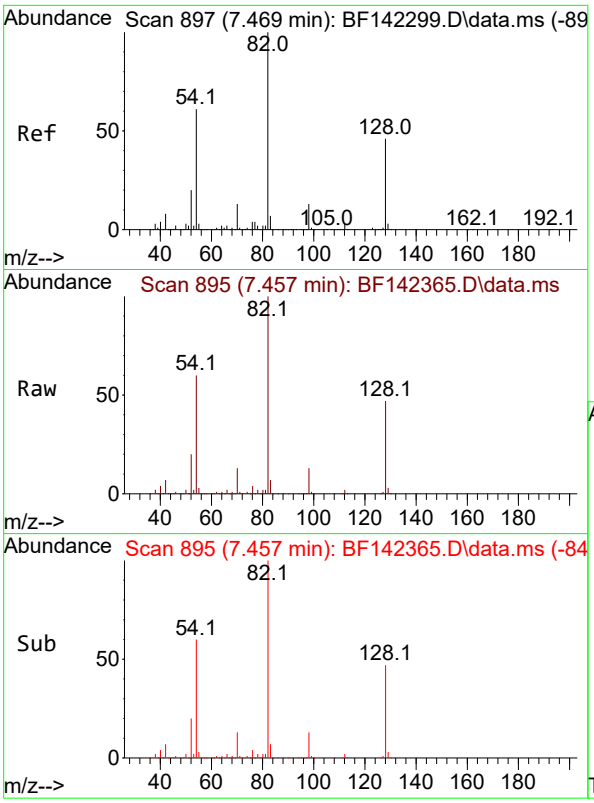


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142365.D
Acq: 14 May 2025 14:51

Tgt Ion:136 Resp: 720141

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.3	7.7	11.5
68	6.0	4.9	7.3



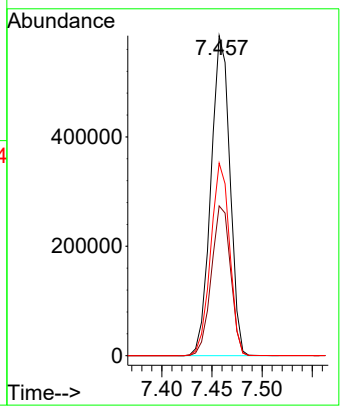


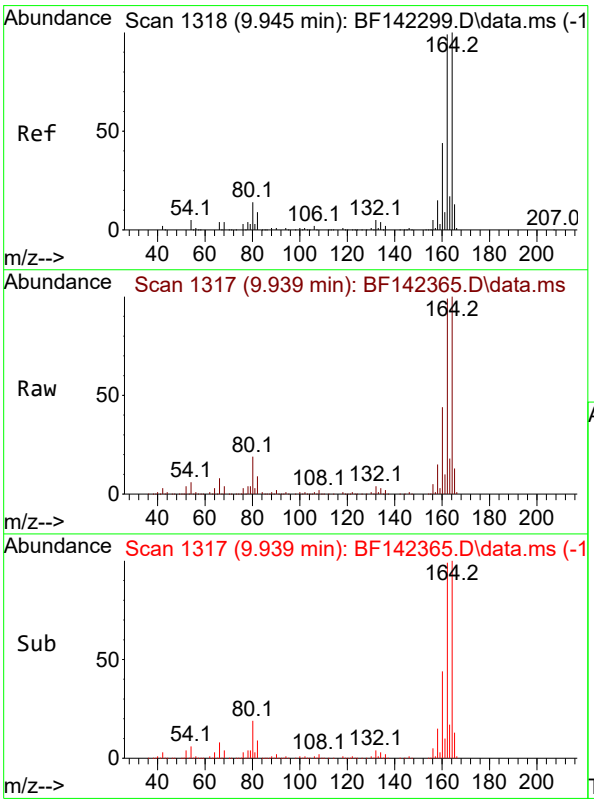
#23
Nitrobenzene-d5
Concen: 65.234 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142365.D
Acq: 14 May 2025 14:51

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion: 82 Resp: 770287

Ion	Ratio	Lower	Upper
82	100		
128	46.8	37.0	55.6
54	60.2	48.6	73.0

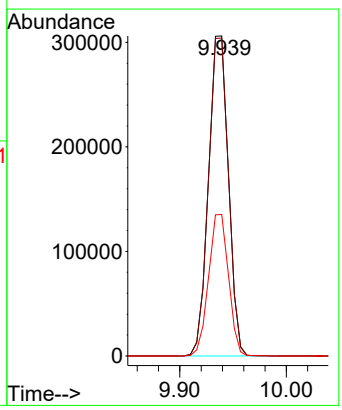


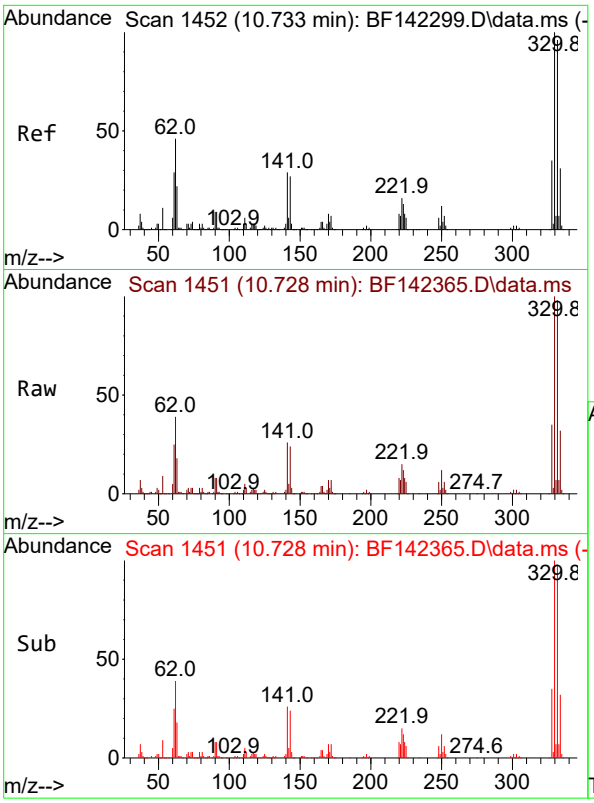


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142365.D
Acq: 14 May 2025 14:51

Tgt Ion:164 Resp: 397265

Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.2	118.8
160	44.2	35.3	52.9



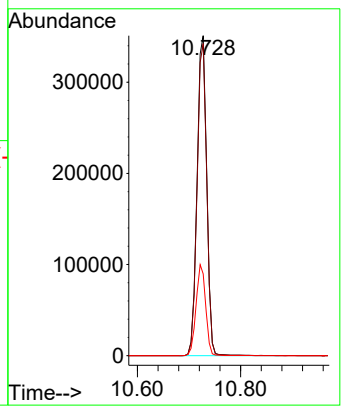


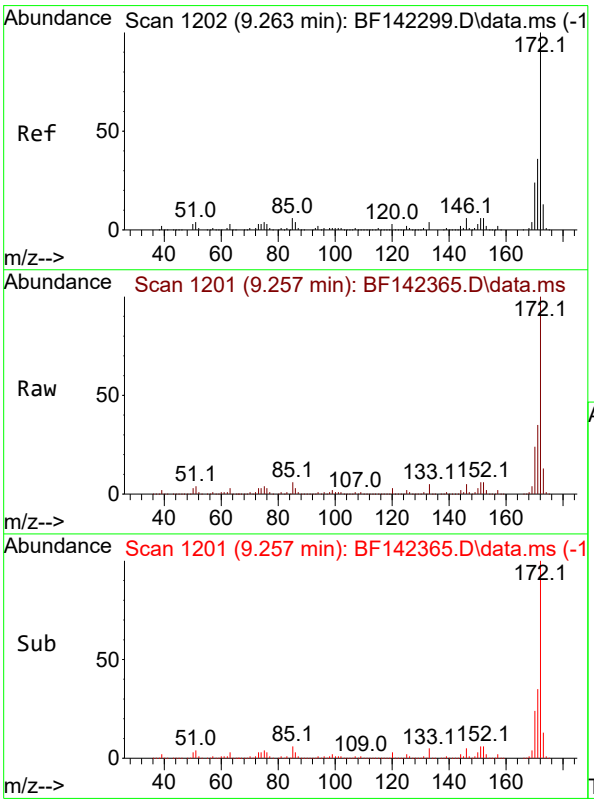
#42
2,4,6-Tribromophenol
Concen: 118.454 ng
RT: 10.728 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142365.D
Acq: 14 May 2025 14:51

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion:330 Resp: 454333

Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.8	115.2
141	28.3	24.9	37.3

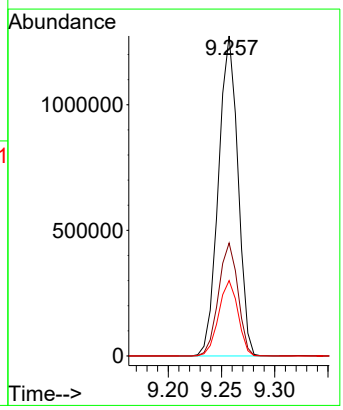


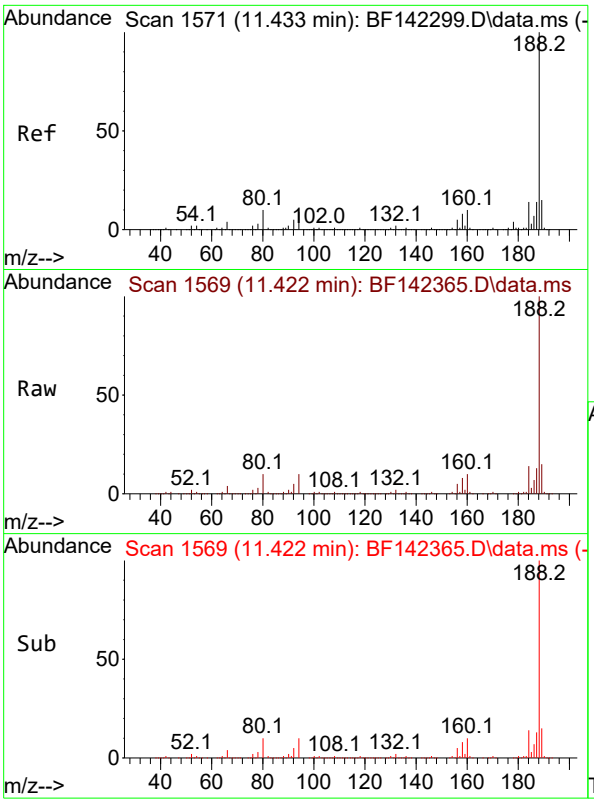


#45
2-Fluorobiphenyl
Concen: 58.064 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142365.D
Acq: 14 May 2025 14:51

Tgt Ion:172 Resp: 1617731

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	42.8
170	23.5	19.0	28.4



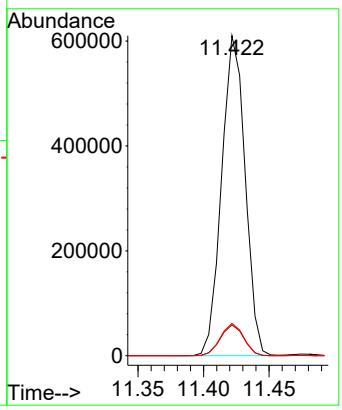


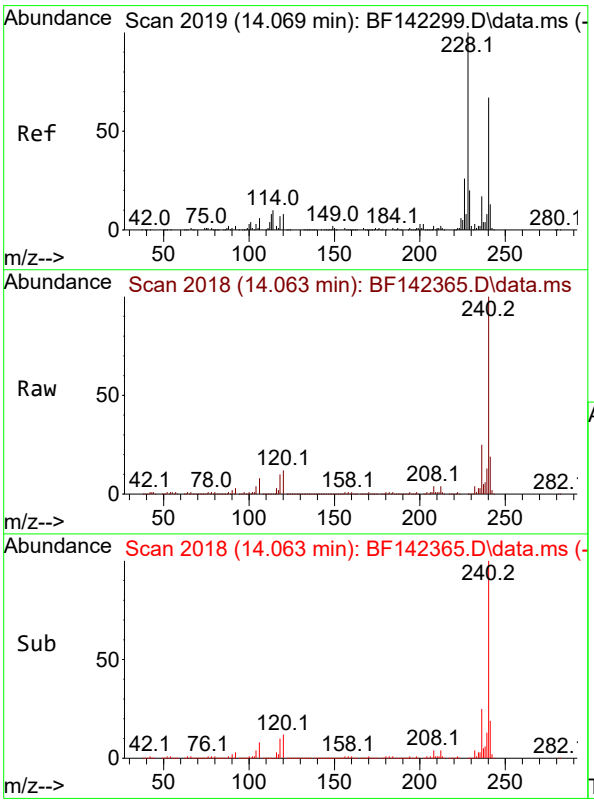
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142365.D
Acq: 14 May 2025 14:51

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion:188 Resp: 760301

Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.5	11.3
80	10.1	7.9	11.9

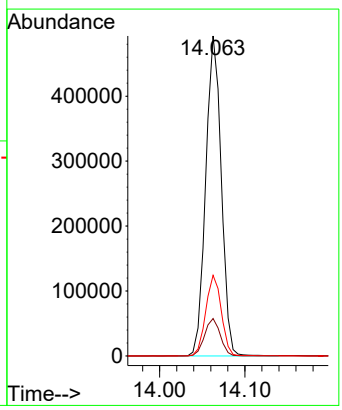


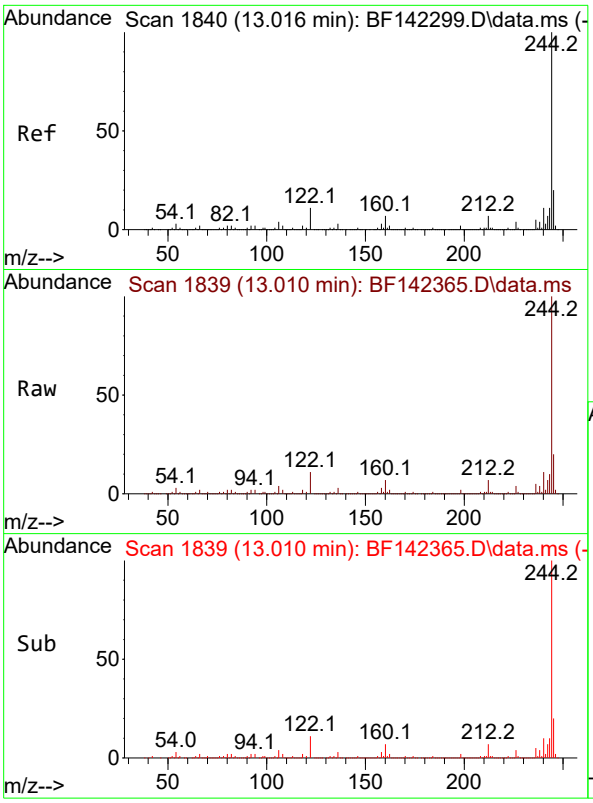


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142365.D
Acq: 14 May 2025 14:51

Tgt Ion:240 Resp: 624905

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.7	14.5
236	25.2	20.0	30.0



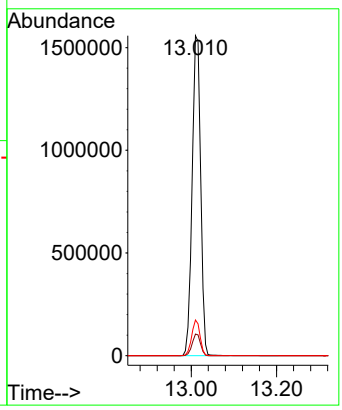


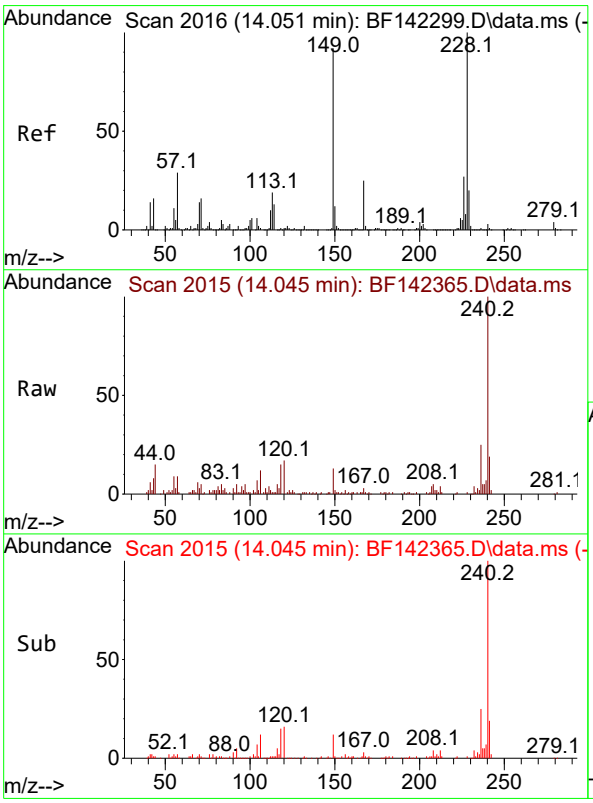
#79
Terphenyl-d14
Concen: 51.128 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142365.D
Acq: 14 May 2025 14:51

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion:244 Resp: 2158643

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.2
122	11.2	9.0	13.4

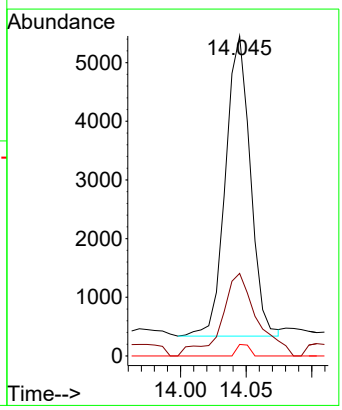


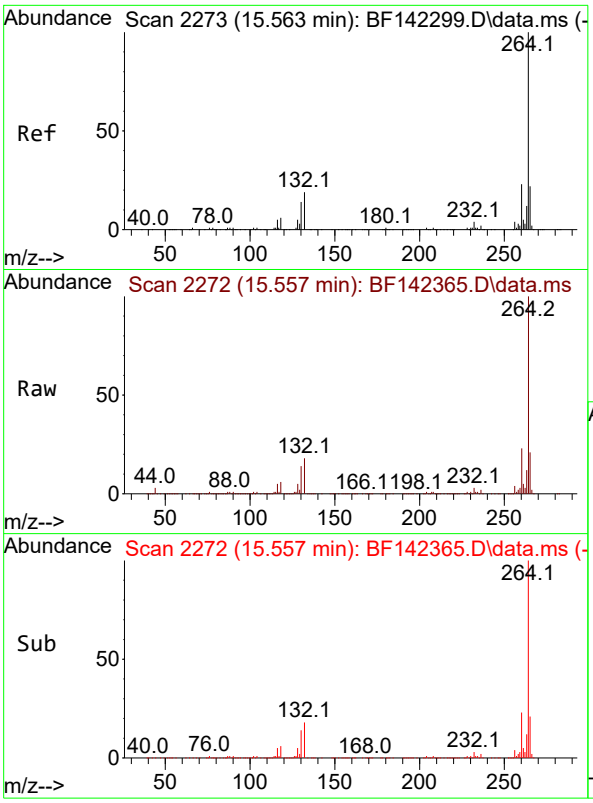


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.527 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142365.D
Acq: 14 May 2025 14:51

Tgt Ion:149 Resp: 6731

Ion	Ratio	Lower	Upper
149	100		
167	25.8	22.0	33.0
279	3.6	3.0	4.6



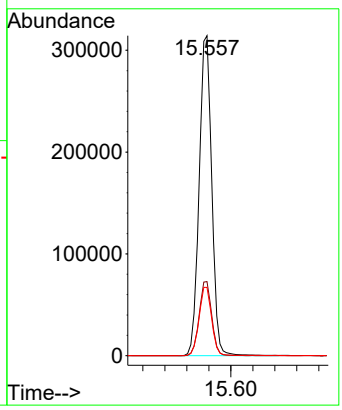


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142365.D
Acq: 14 May 2025 14:51

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion:264 Resp: 499846

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	27.8
265	21.4	17.5	26.3



Sample Results: **BF142365.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142365.D
Acq On : 14 May 2025 14:51
Operator : RC/JU
Sample : Q1982-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142365.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.116	487	497	504	rBV	270349	424336	7.40%	1.210%
2	5.510	557	564	569	rBV	2679330	3649759	63.66%	10.404%
3	6.516	728	735	740	rBV	2692784	3781869	65.96%	10.780%
4	6.898	795	800	805	rBV	900071	1076225	18.77%	3.068%
5	7.457	889	895	900	rBV	1815971	2397865	41.82%	6.835%
6	7.710	934	938	945	rVB	64195	76836	1.34%	0.219%
7	8.181	1012	1018	1023	rBV	1157179	1442314	25.16%	4.111%
8	9.257	1194	1201	1206	rBV	3622853	4604903	80.32%	13.126%
9	9.933	1311	1316	1322	rBV	1290822	1676933	29.25%	4.780%
10	10.651	1432	1438	1444	rBV	457687	572189	9.98%	1.631%
11	10.722	1444	1450	1460	rBV	2441566	3227381	56.29%	9.200%
12	10.957	1482	1490	1495	rBV	63674	81380	1.42%	0.232%
13	11.422	1564	1569	1574	rBV	1488617	1854817	32.35%	5.287%
14	11.951	1652	1659	1684	rBV	544270	926182	16.15%	2.640%
15	12.204	1697	1702	1710	rVB2	48268	67650	1.18%	0.193%
16	12.733	1787	1792	1804	rBV	77799	143614	2.50%	0.409%
17	13.010	1833	1839	1845	rBV	4177605	5733397	100.00%	16.343%
18	13.904	1986	1991	2008	rBV	162280	327627	5.71%	0.934%
19	14.063	2012	2018	2026	rVB	1314787	1686586	29.42%	4.808%
20	15.551	2265	2271	2286	rBV	829037	1330151	23.20%	3.792%

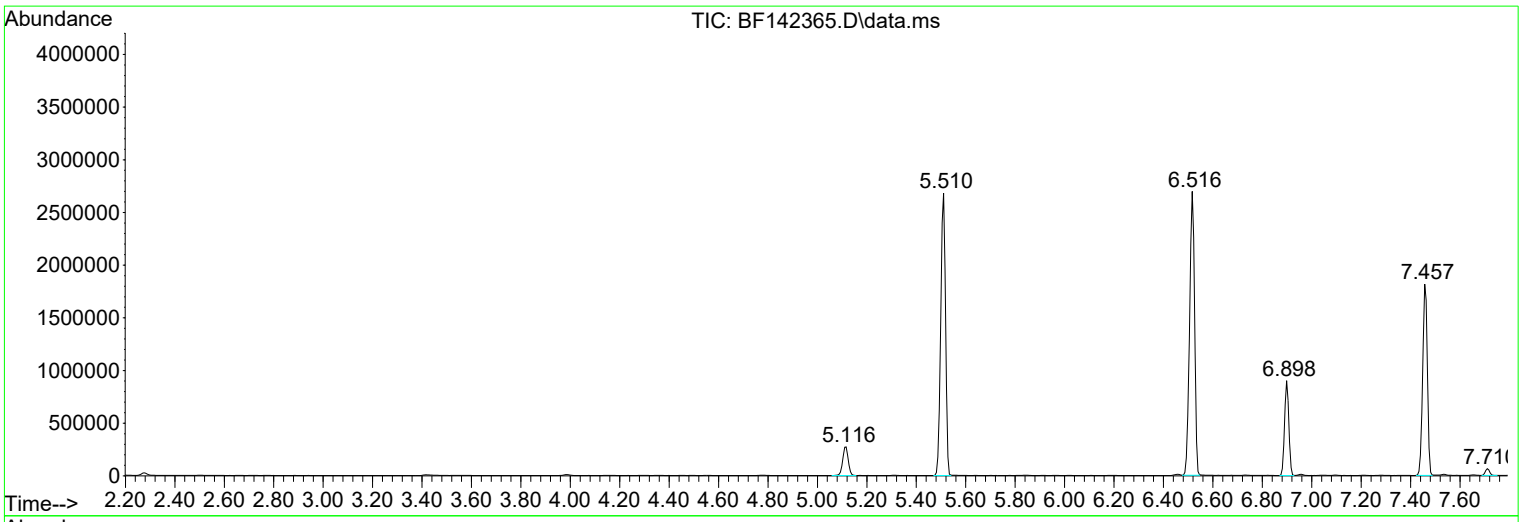
Sum of corrected areas: 35082014

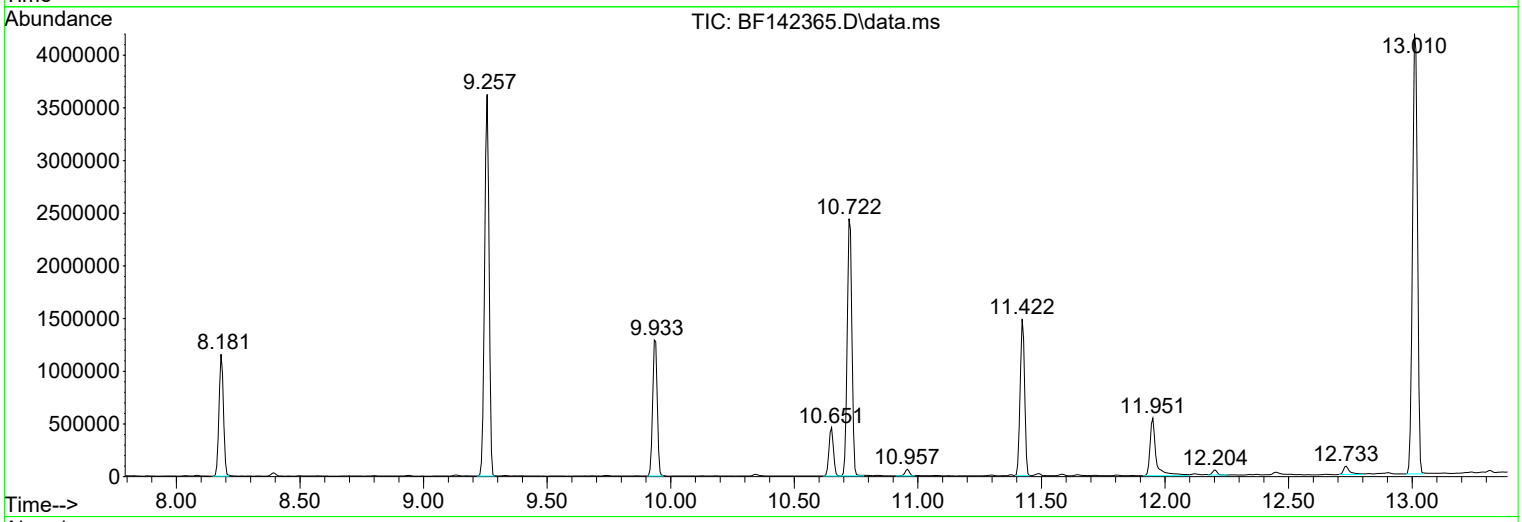
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142365.D
Acq On : 14 May 2025 14:51
Operator : RC/JU
Sample : Q1982-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

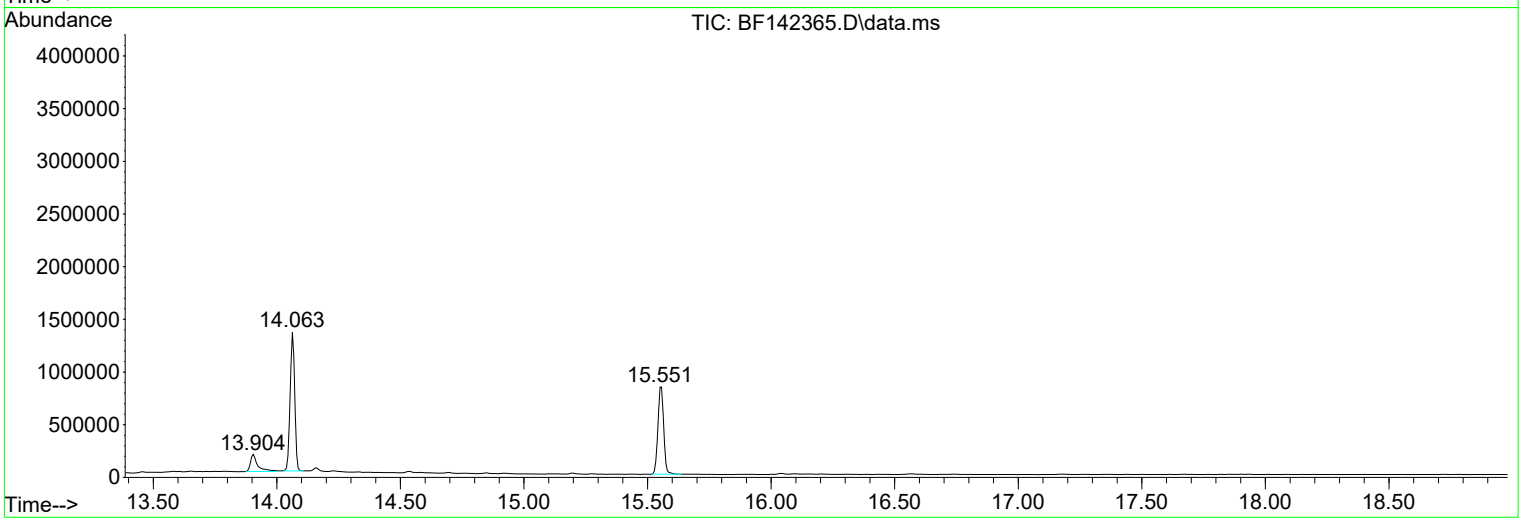
Instrument :
BNA_F
ClientSampleId :
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.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\BF051425\
Data File : BF142365.D
Acq On : 14 May 2025 14:51
Operator : RC/JU
Sample : Q1982-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

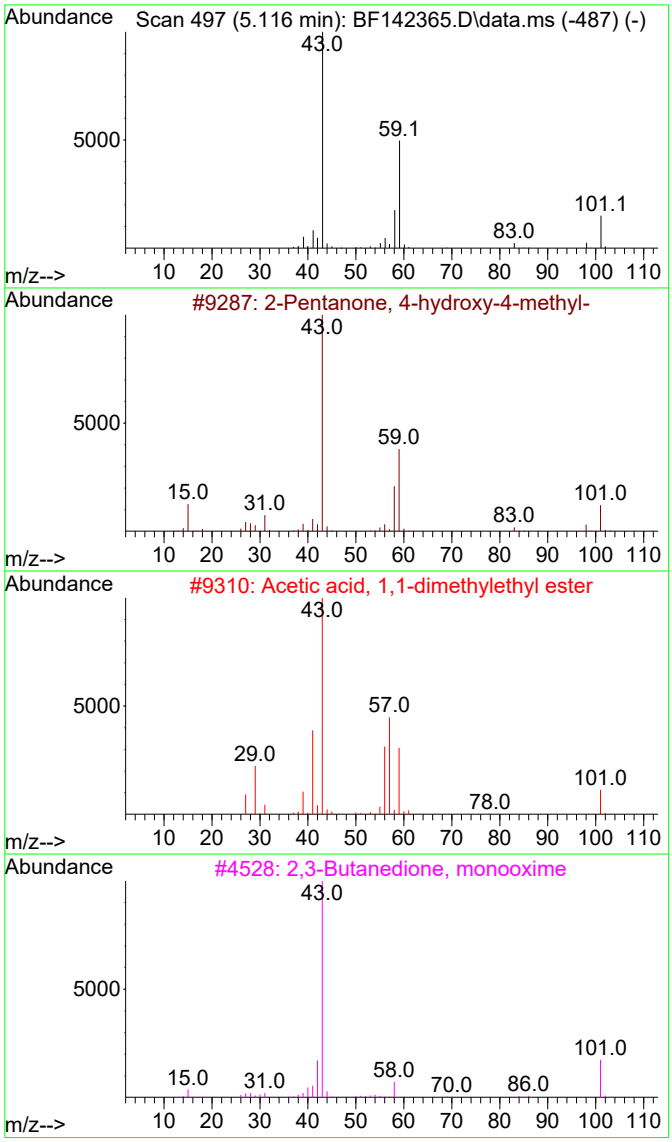
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

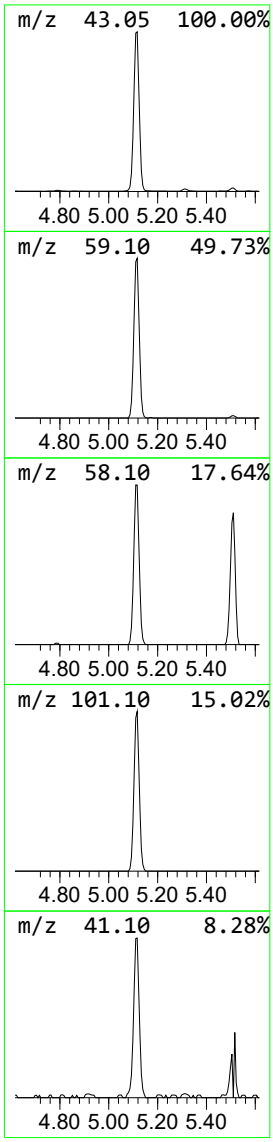
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.116	7.89 ng	424336	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5	Acetone	58	C3H6O	000067-64-1	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142365.D
Acq On : 14 May 2025 14:51
Operator : RC/JU
Sample : Q1982-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

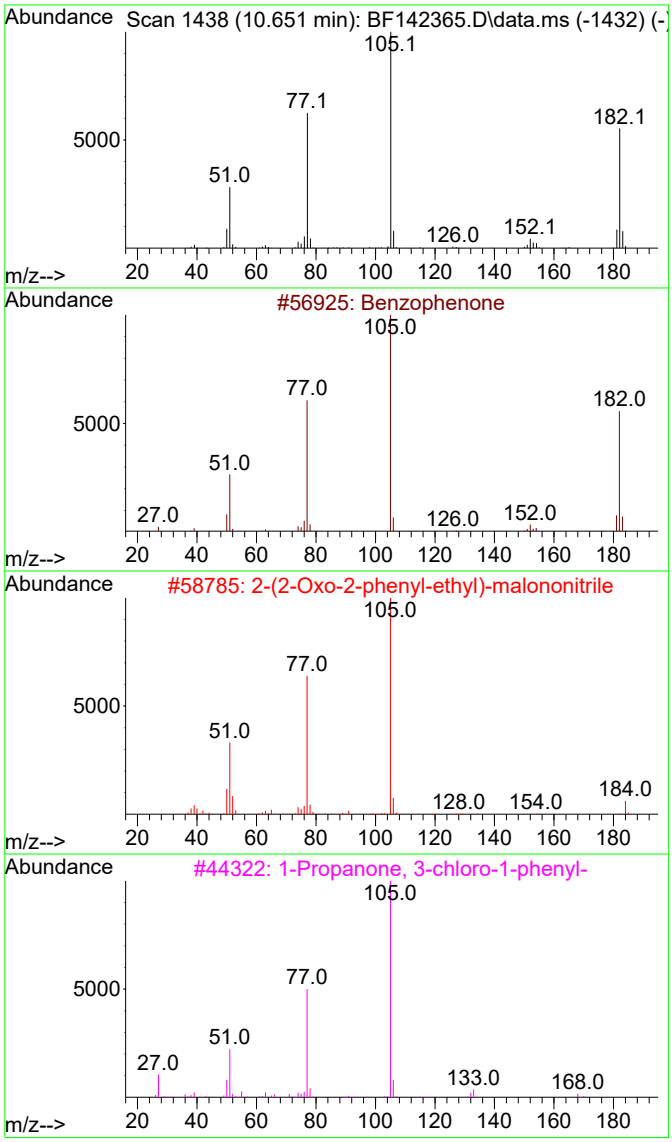
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TIC Integration Parameters: LSCINT.P

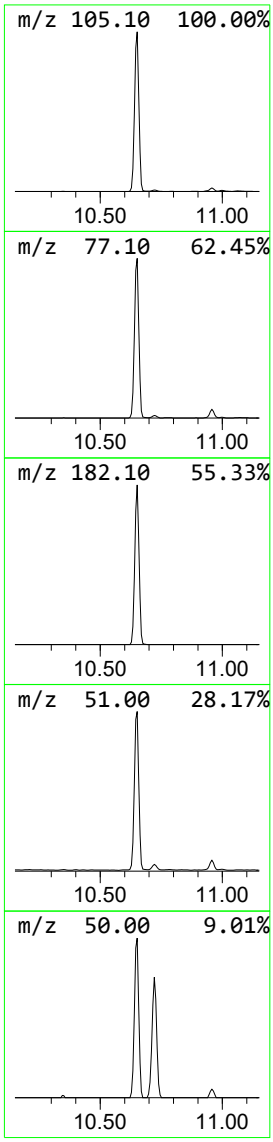
****

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.651	6.82 ng	572189	Acenaphthene-d10	9.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	58
3	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	50
4	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	50
5	N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142365.D
Acq On : 14 May 2025 14:51
Operator : RC/JU
Sample : Q1982-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

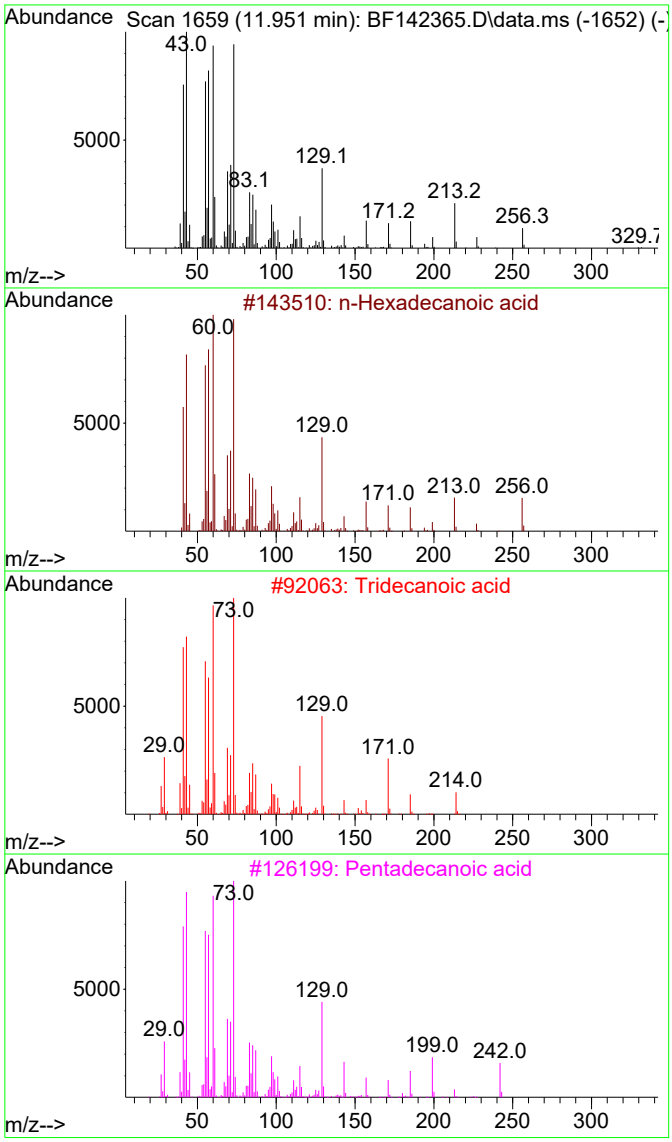
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

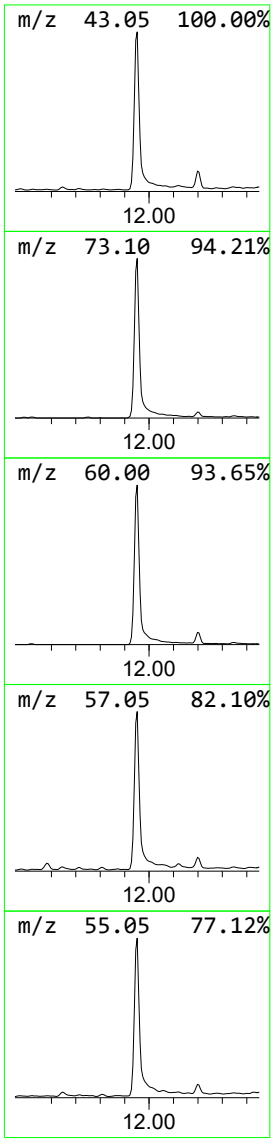
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	9.99 ng	926182	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Octadecanoic acid	284	C18H36O2	000057-11-4	87
5	n-Decanoic acid	172	C10H20O2	000334-48-5	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142365.D
Acq On : 14 May 2025 14:51
Operator : RC/JU
Sample : Q1982-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

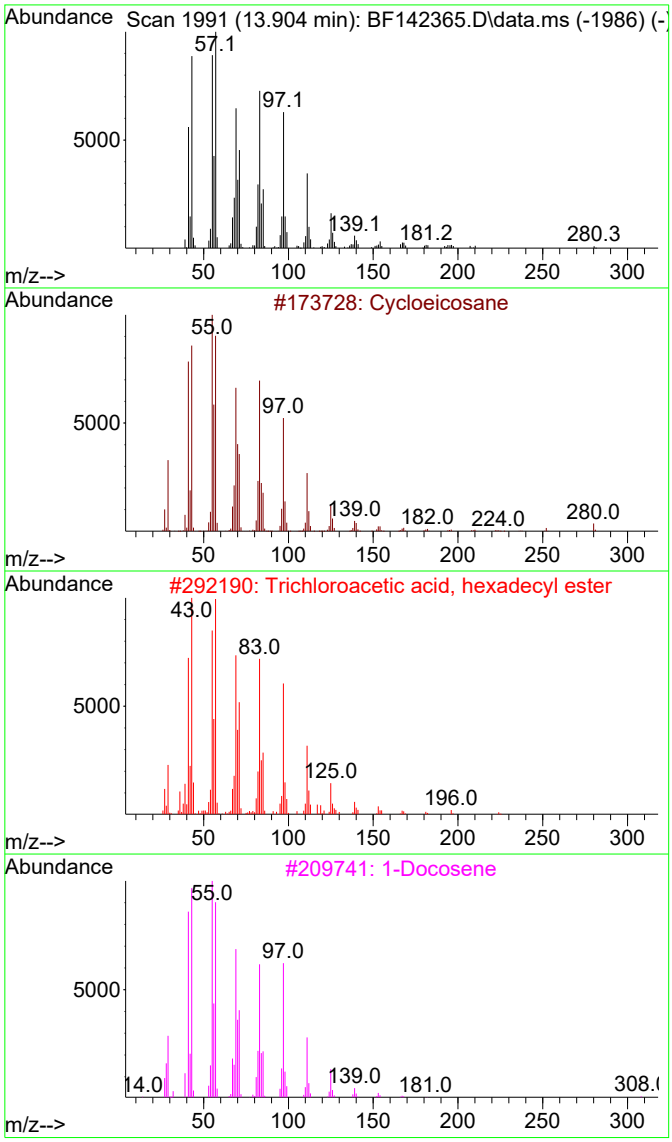
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TIC Integration Parameters: LSCINT.P

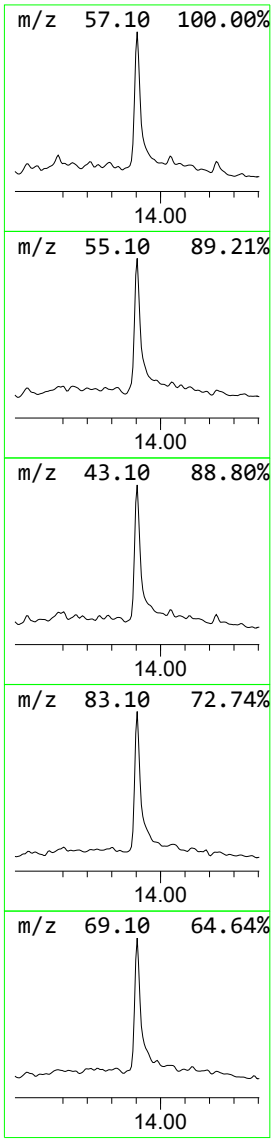
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Peak Number 4 Cycloeicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	3.89 ng	327627	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloeicosane	280	C20H40	000296-56-0	97
2	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
3	1-Docosene	308	C22H44	001599-67-3	94
4	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	94
5	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142365.D
Acq On : 14 May 2025 14:51
Operator : RC/JU
Sample : Q1982-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.116	7.9	ng	424336	1	6.898	1076230	20.0
Benzophenone	10.651	6.8	ng	572189	3	9.939	1676930	20.0
n-Hexadecanoic ...	11.951	10.0	ng	926182	4	11.422	1854820	20.0
Cycloeicosane	13.904	3.9	ng	327627	5	14.063	1686590	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142413.D
Acq On : 16 May 2025 01:27
Operator : RC/JU
Sample : Q1982-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

Quant Time: May 16 03:12:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

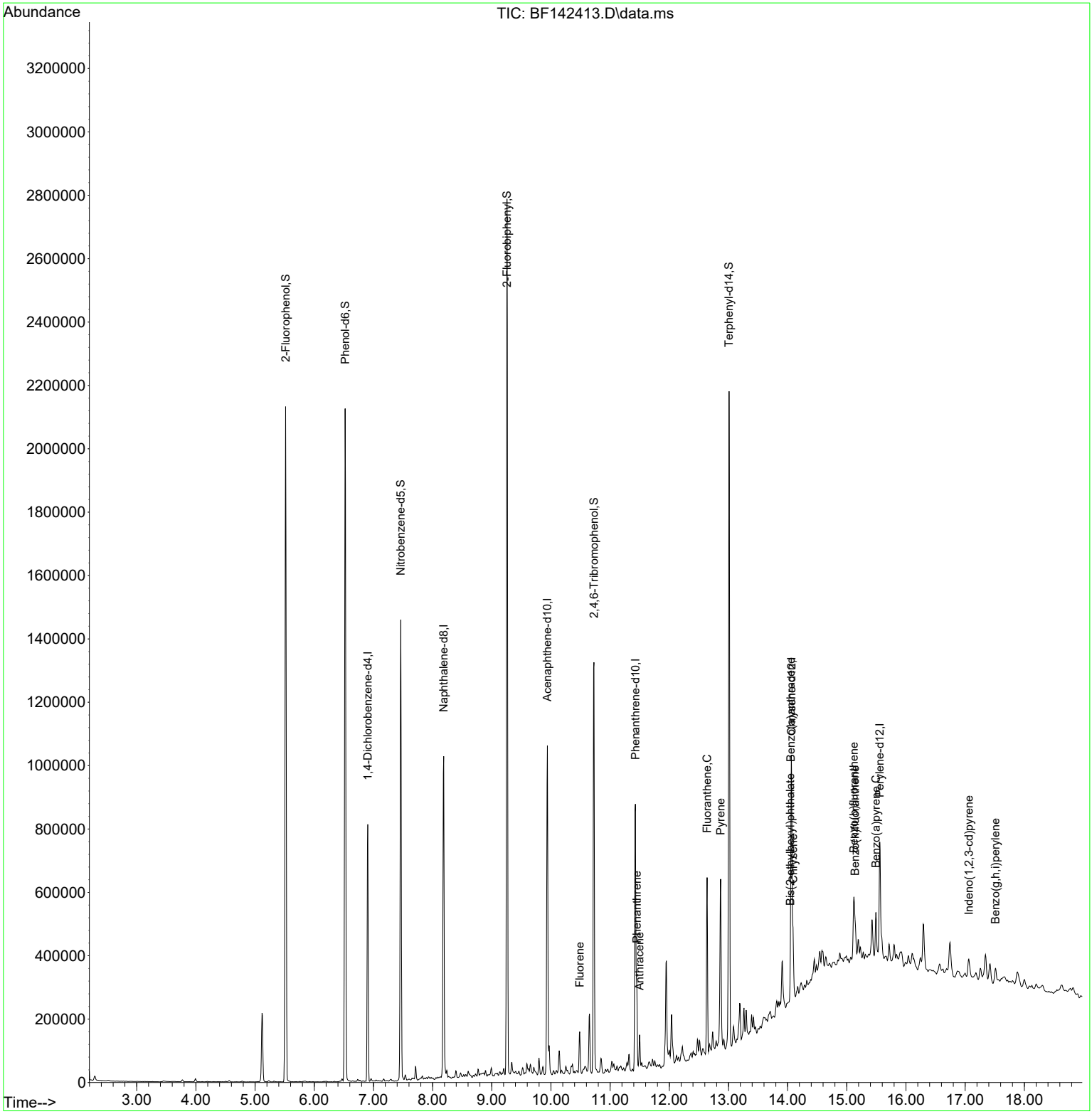
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.904	152	176019	20.000	ng		0.00
21) Naphthalene-d8	8.186	136	648776	20.000	ng		0.00
39) Acenaphthene-d10	9.939	164	308965	20.000	ng		0.00
64) Phenanthrene-d10	11.427	188	449574	20.000	ng		0.00
76) Chrysene-d12	14.068	240	299172	20.000	ng		0.00
86) Perylene-d12	15.557	264	224973	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	823786	79.893	ng		0.00
7) Phenol-d6	6.522	99	1009749	79.621	ng		0.00
23) Nitrobenzene-d5	7.463	82	604051	56.783	ng		0.00
42) 2,4,6-Tribromophenol	10.727	330	237436	79.596	ng		0.00
45) 2-Fluorobiphenyl	9.257	172	1218248	56.222	ng		0.00
79) Terphenyl-d14	13.010	244	1012854	50.109	ng		0.00
Target Compounds							Qvalue
58) Fluorene	10.486	166	54944	2.753	ng		96
71) Phenanthrene	11.451	178	142883	6.063	ng		98
72) Anthracene	11.498	178	58980	2.436	ng		99
75) Fluoranthene	12.639	202	315974	13.413	ng		99
78) Pyrene	12.869	202	317180	11.911	ng		99
81) Benzo(a)anthracene	14.057	228	145763	7.523	ng		94
83) Chrysene	14.092	228	120799	6.697	ng		97
84) Bis(2-ethylhexyl)phtha...	14.045	149	5250	4.710	ng	#	78
87) Indeno(1,2,3-cd)pyrene	17.062	276	45586m	2.913	ng		
88) Benzo(b)fluoranthene	15.121	252	135396m	9.937	ng		
89) Benzo(k)fluoranthene	15.139	252	36286m	2.910	ng		
90) Benzo(a)pyrene	15.492	252	90398	7.404	ng	#	96
92) Benzo(g,h,i)perylene	17.515	276	47644	3.713	ng		96

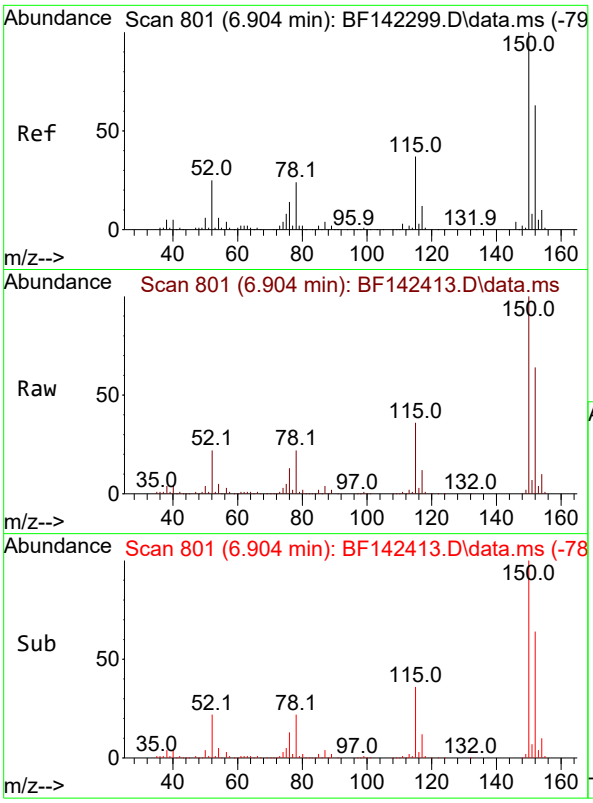
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142413.D
Acq On : 16 May 2025 01:27
Operator : RC/JU
Sample : Q1982-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

Quant Time: May 16 03:12:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration



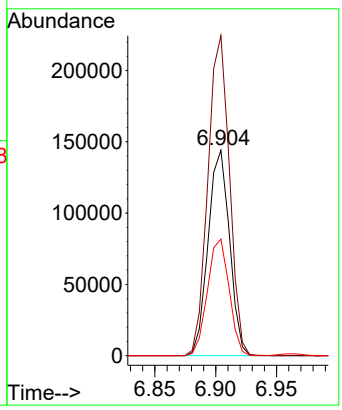


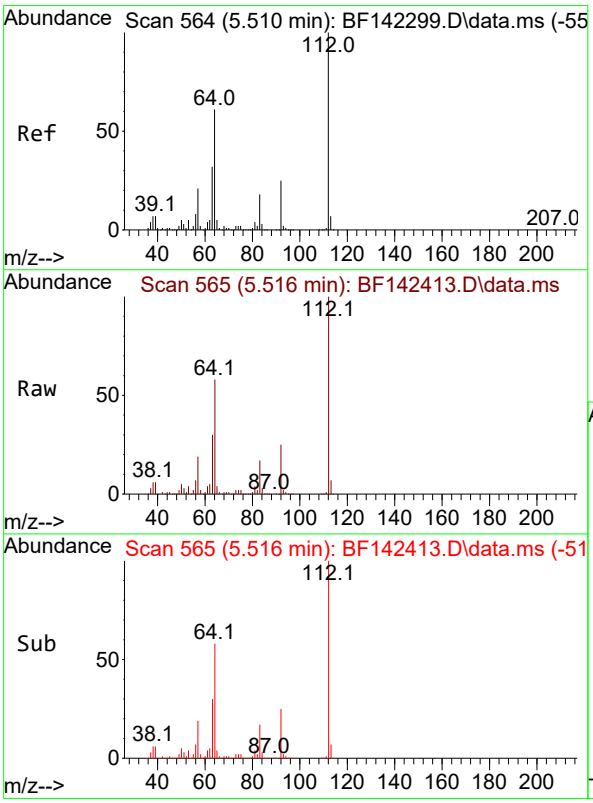
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:152 Resp: 176019

Ion	Ratio	Lower	Upper
152	100		
150	155.8	126.6	190.0
115	56.8	47.3	70.9

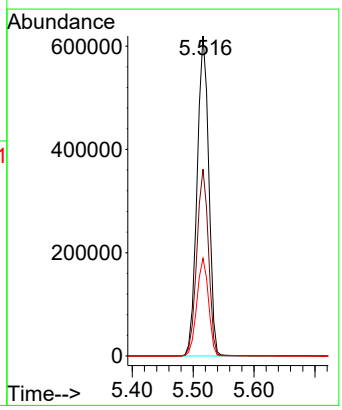


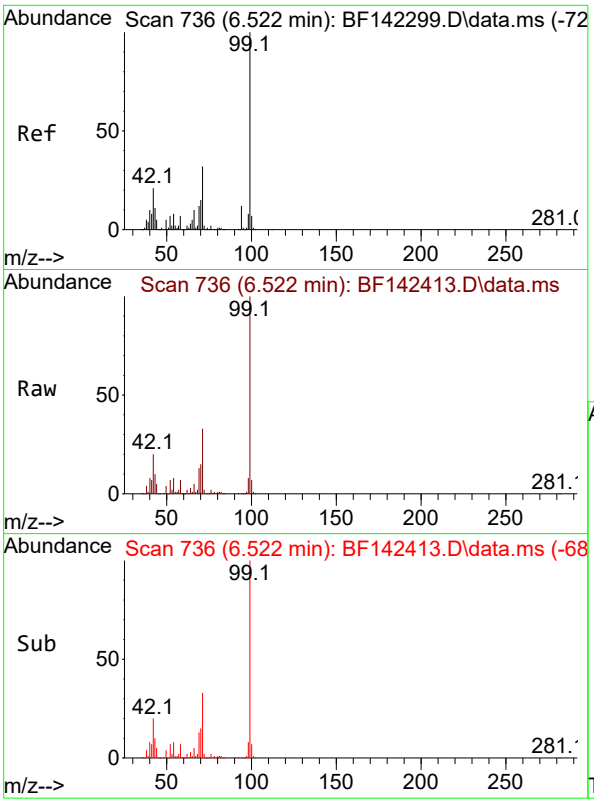


#5
2-Fluorophenol
Concen: 79.893 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Tgt Ion:112 Resp: 823786

Ion	Ratio	Lower	Upper
112	100		
64	58.3	48.9	73.3
63	30.5	25.6	38.4



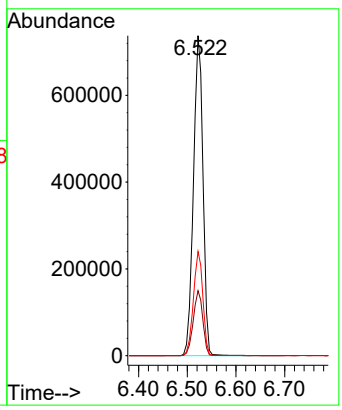


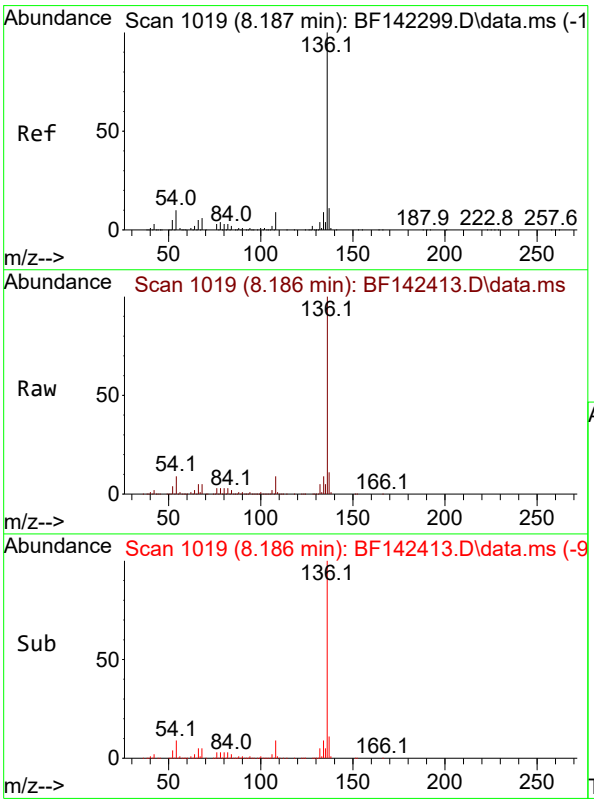
#7
Phenol-d6
Concen: 79.621 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion: 99 Resp: 1009749

Ion	Ratio	Lower	Upper
99	100		
42	20.3	17.0	25.4
71	32.6	25.8	38.8

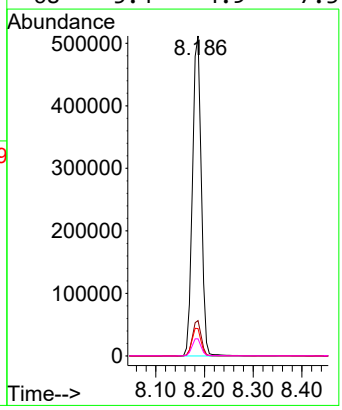


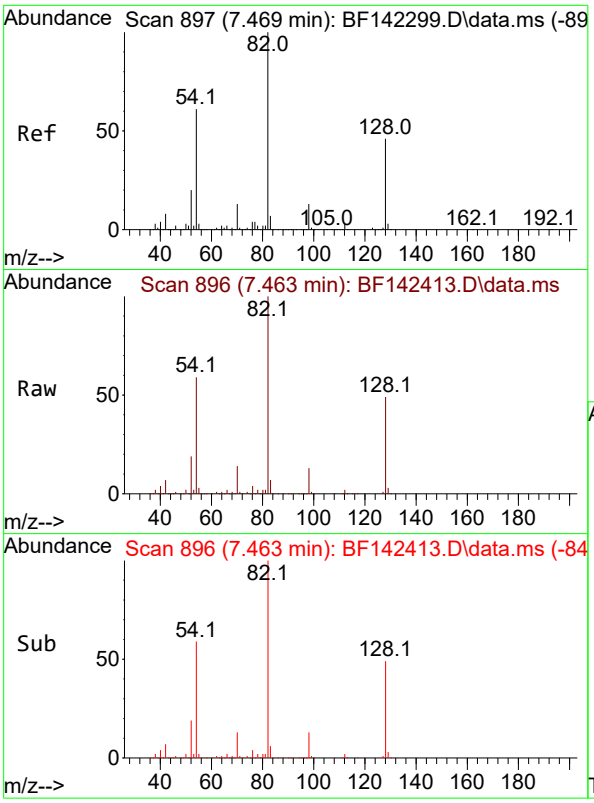


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Tgt Ion:136 Resp: 648776

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.6	7.7	11.5
68	5.4	4.9	7.3



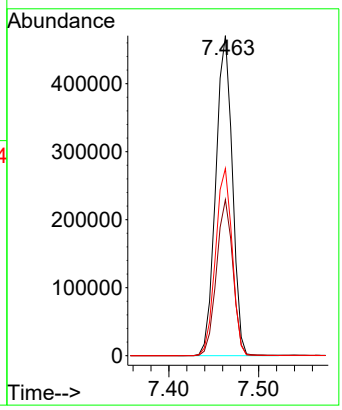


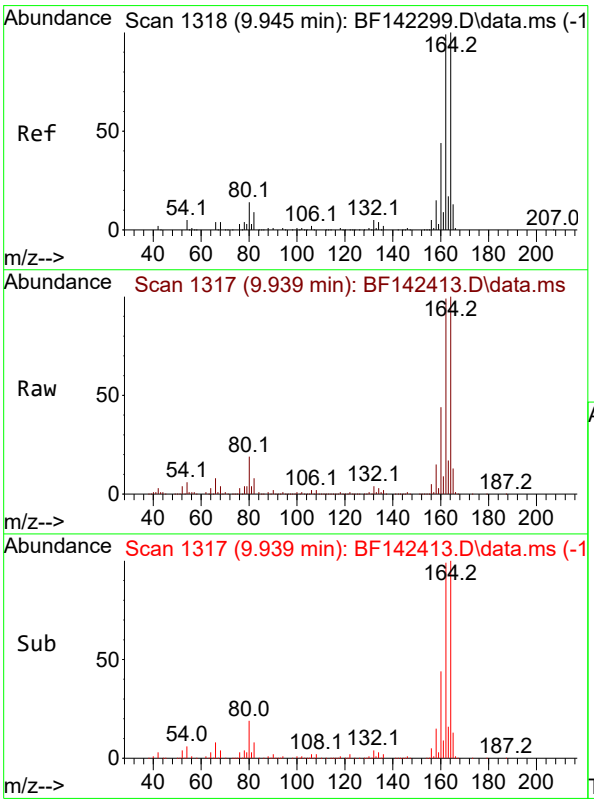
#23
Nitrobenzene-d5
Concen: 56.783 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion: 82 Resp: 604051

Ion	Ratio	Lower	Upper
82	100		
128	48.7	37.0	55.6
54	58.5	48.6	73.0

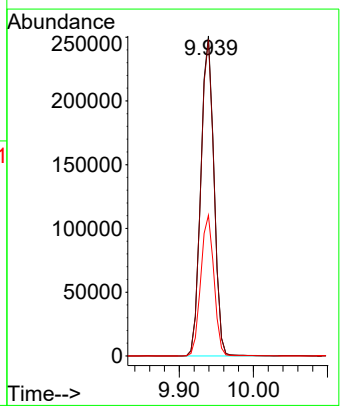


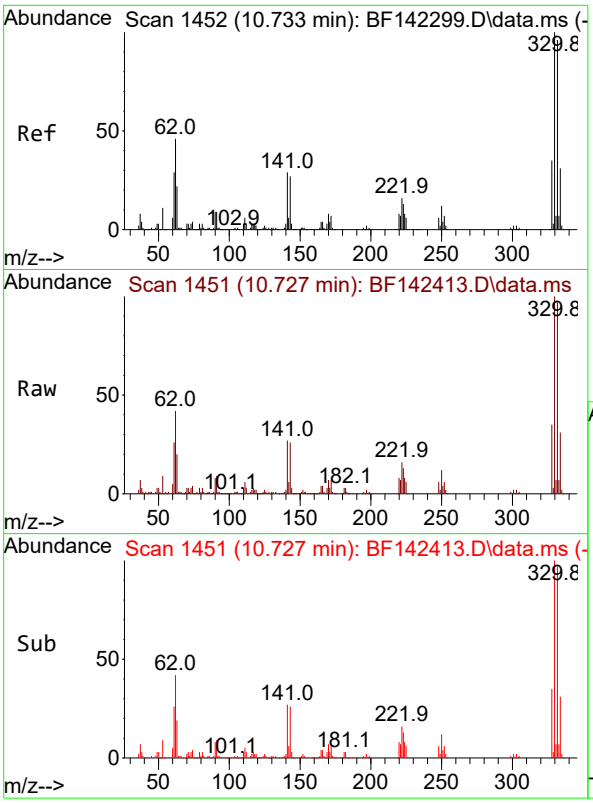


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Tgt Ion:164 Resp: 308965

Ion	Ratio	Lower	Upper
164	100		
162	98.8	79.2	118.8
160	43.9	35.3	52.9



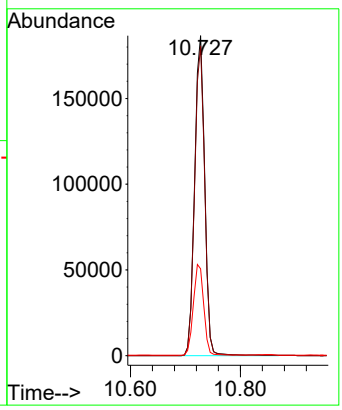


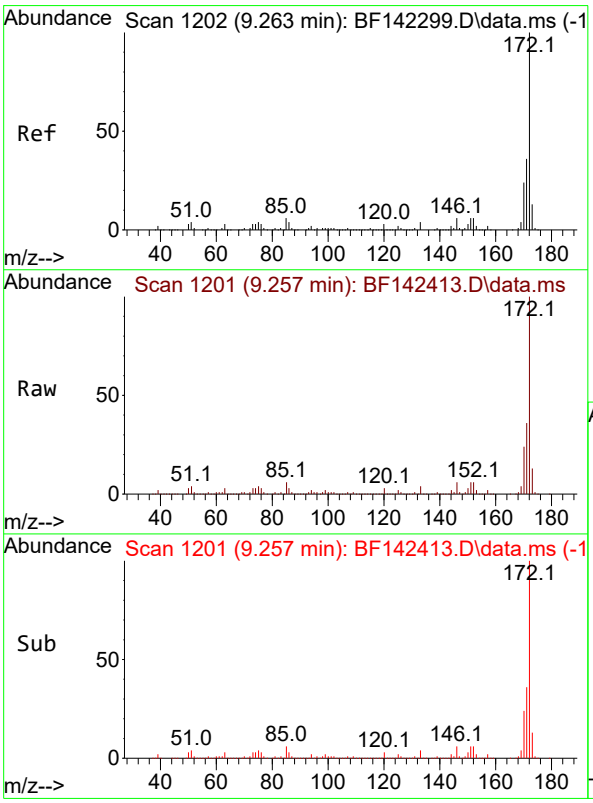
#42
2,4,6-Tribromophenol
Concen: 79.596 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:330 Resp: 237436

Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.8	115.2
141	29.0	24.9	37.3

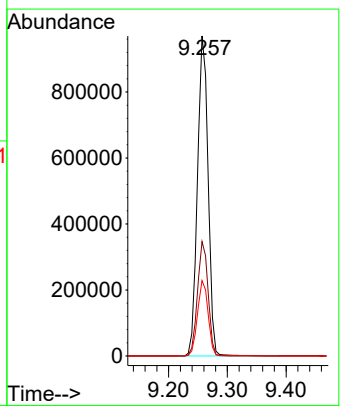


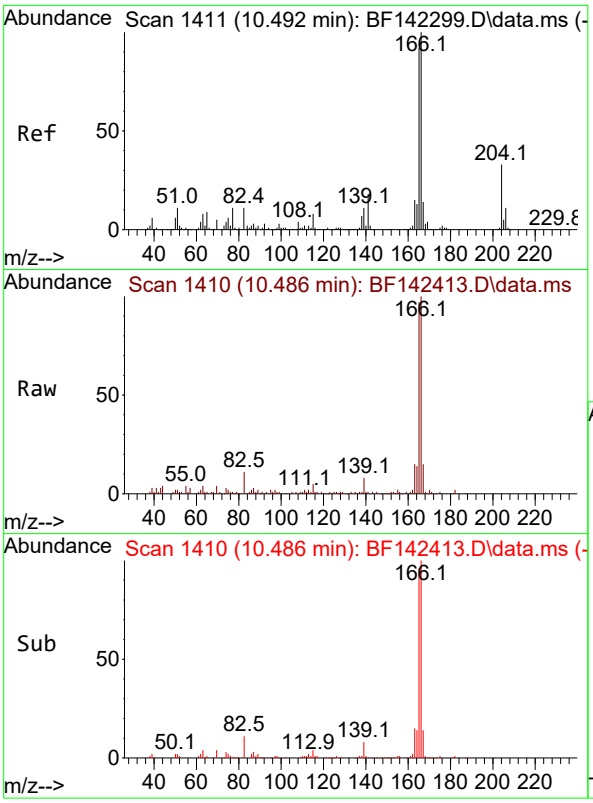


#45
2-Fluorobiphenyl
Concen: 56.222 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Tgt Ion:172 Resp: 1218248

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	42.8
170	23.6	19.0	28.4



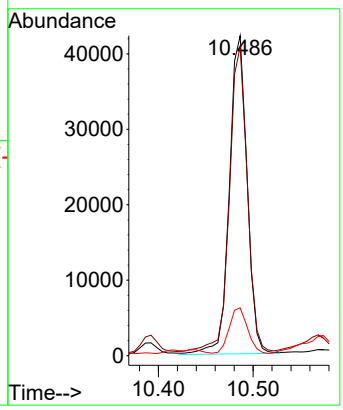


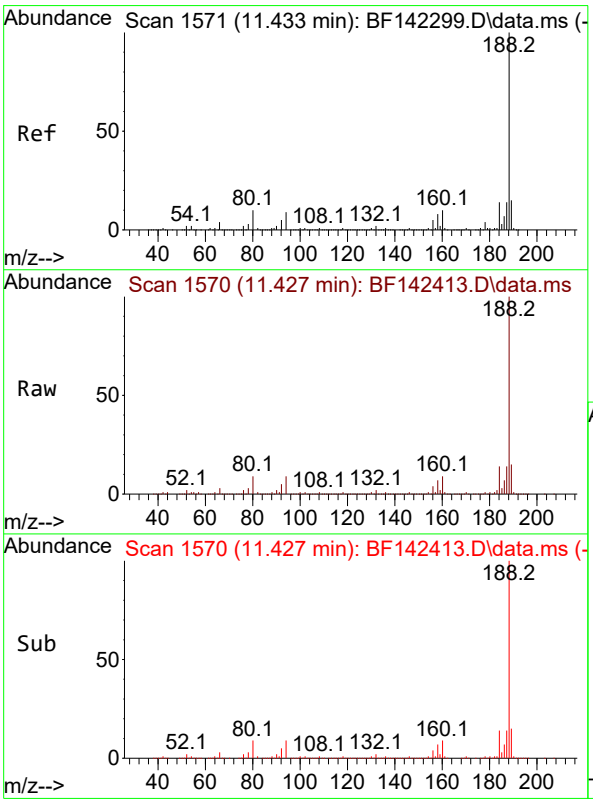
#58
Fluorene
Concen: 2.753 ng
RT: 10.486 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:166 Resp: 54944

Ion	Ratio	Lower	Upper
166	100		
165	96.5	74.0	111.0
167	15.0	10.9	16.3

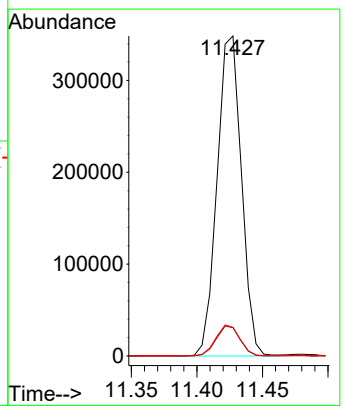


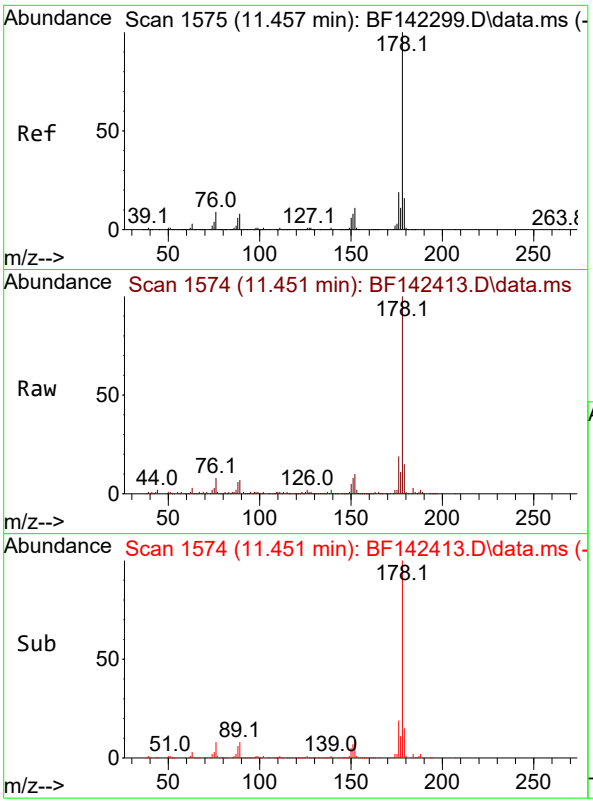


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Tgt Ion:188 Resp: 449574

Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.5	11.3
80	8.9	7.9	11.9



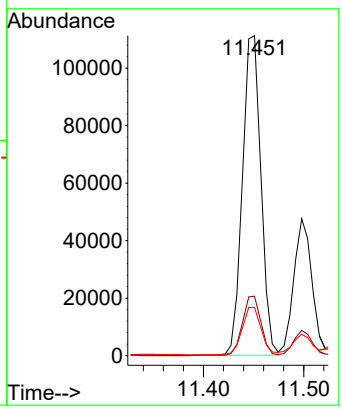


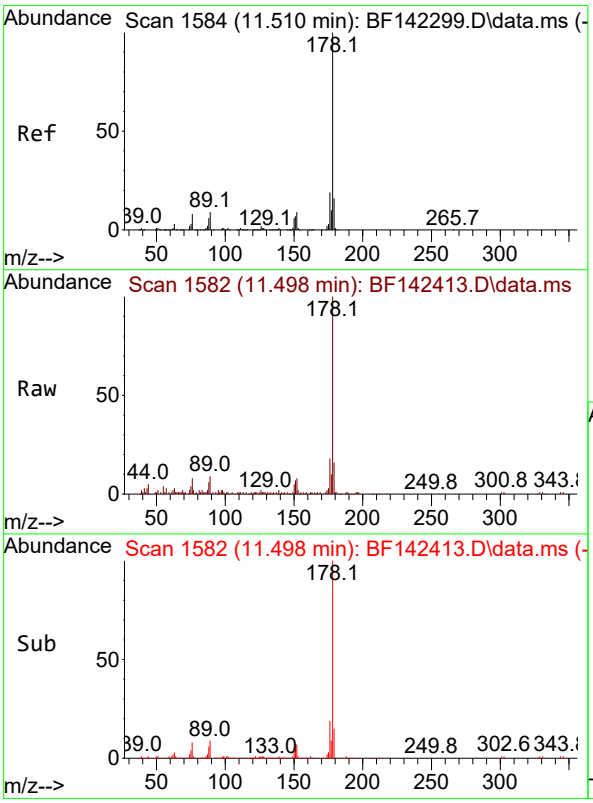
#71
Phenanthrene
Concen: 6.063 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:178 Resp: 142883

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.5	23.3
179	15.1	12.6	18.8

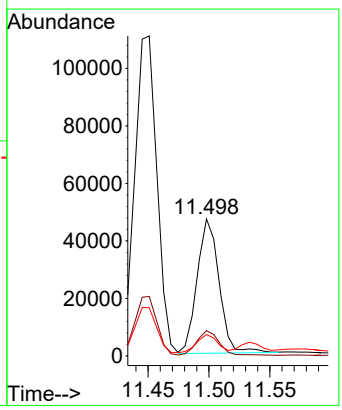


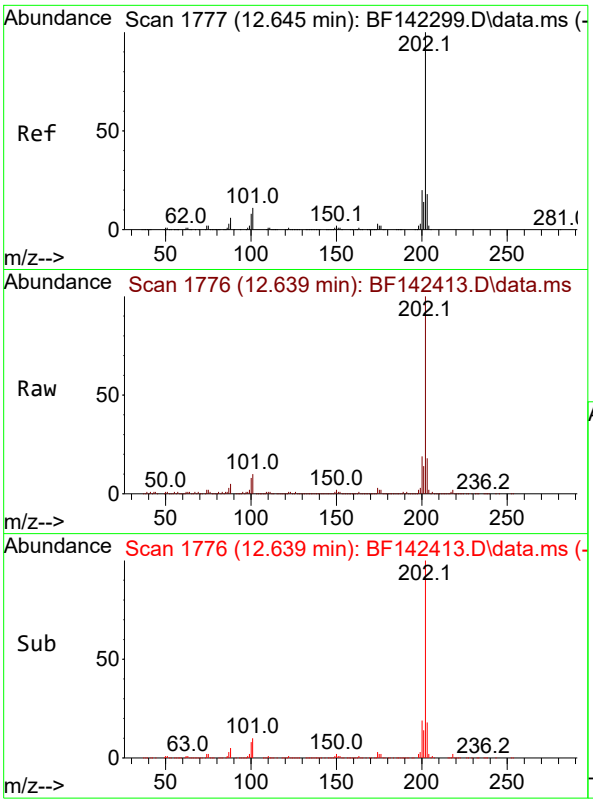


#72
Anthracene
Concen: 2.436 ng
RT: 11.498 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Tgt Ion:178 Resp: 58980

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.3	22.9
179	15.6	12.6	18.8



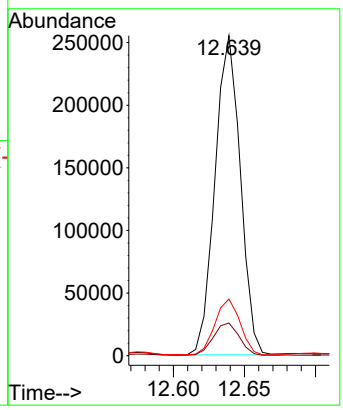


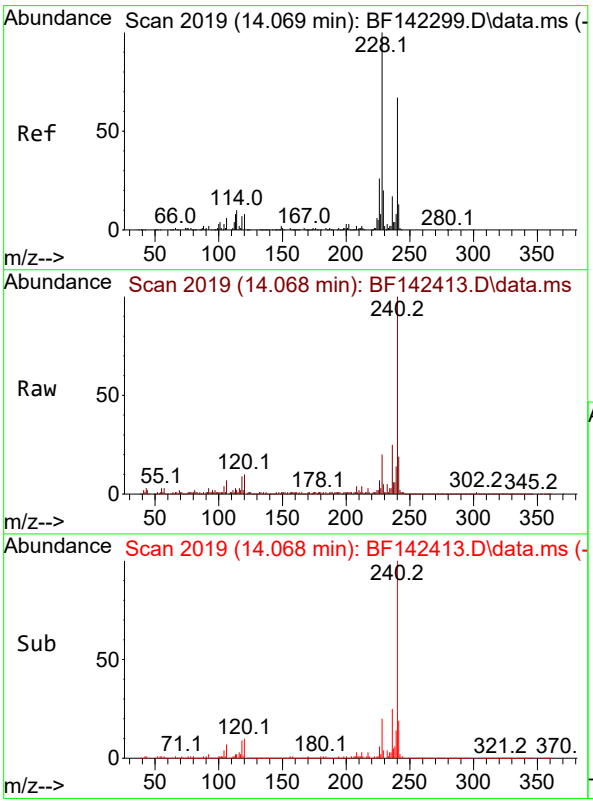
#75
Fluoranthene
Concen: 13.413 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:202 Resp: 315974

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	31.4
203	17.7	0.0	37.9

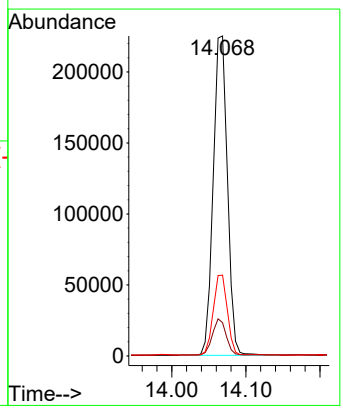


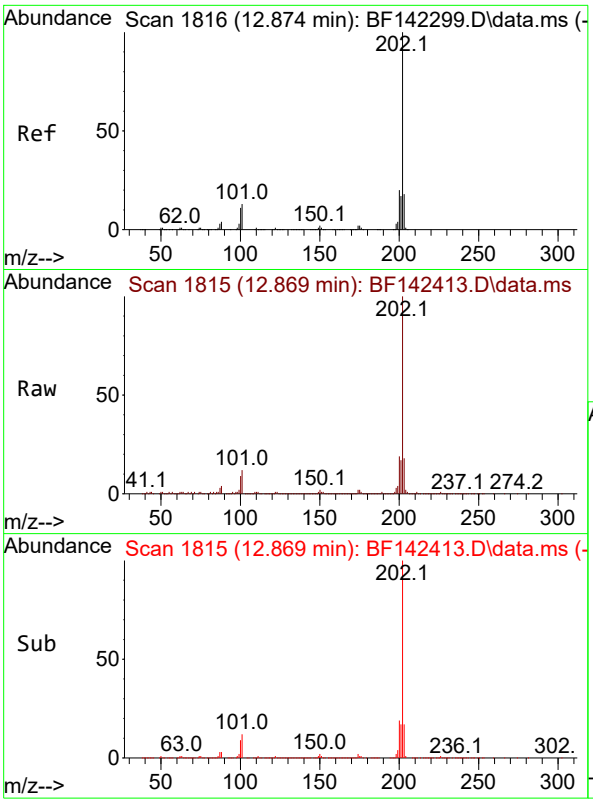


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Tgt Ion:240 Resp: 299172

Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.7	14.5
236	25.3	20.0	30.0



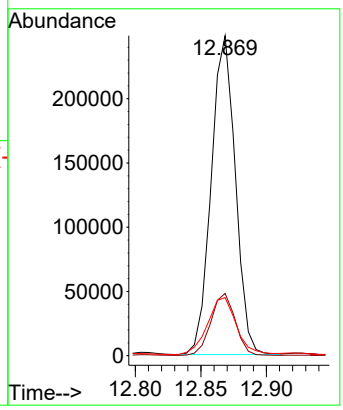


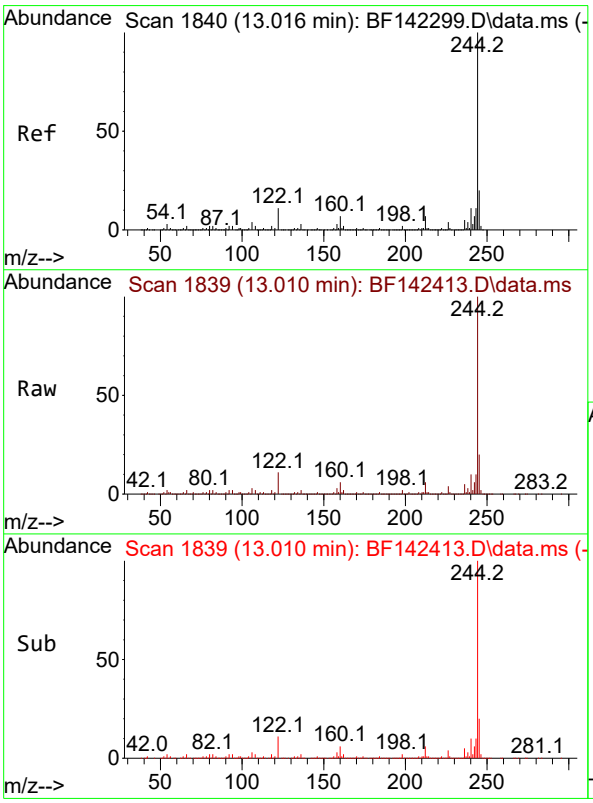
#78
Pyrene
Concen: 11.911 ng
RT: 12.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:202 Resp: 317180

Ion	Ratio	Lower	Upper
202	100		
200	19.4	16.2	24.4
203	18.1	14.3	21.5

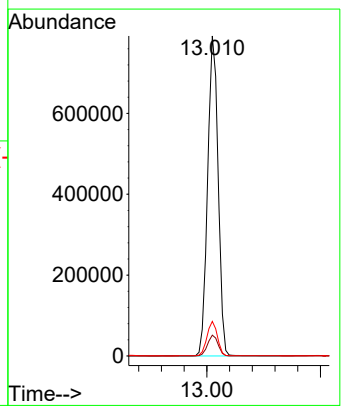


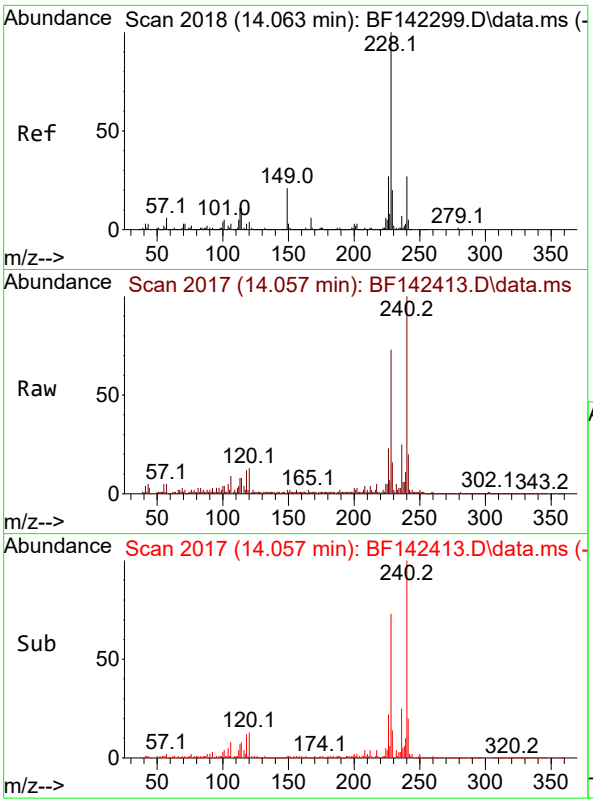


#79
Terphenyl-d14
Concen: 50.109 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Tgt Ion:244 Resp: 1012854

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.2
122	10.8	9.0	13.4



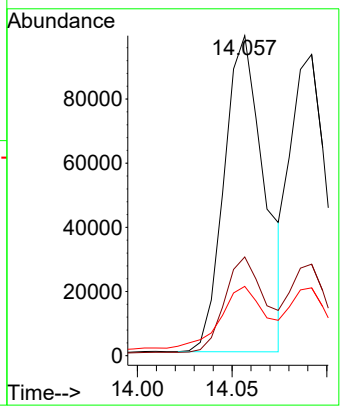


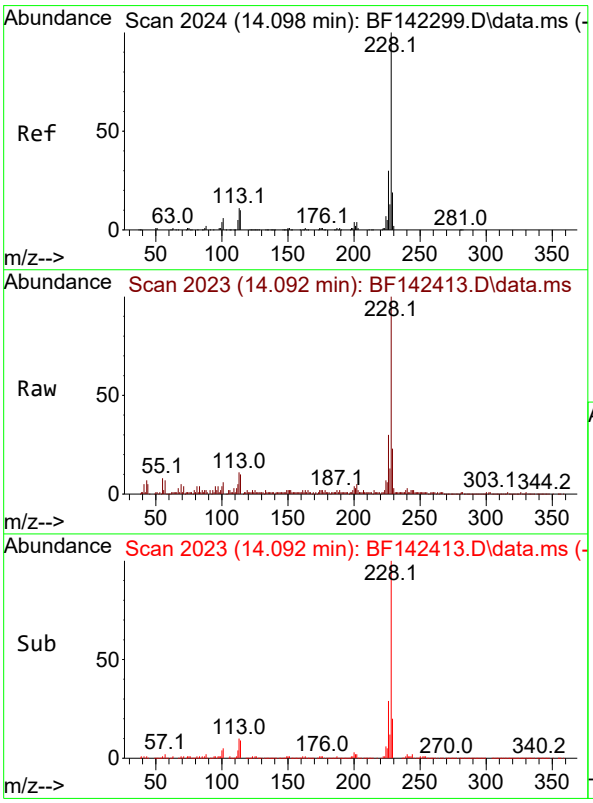
#81
Benzo(a)anthracene
Concen: 7.523 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:228 Resp: 145763

Ion	Ratio	Lower	Upper
228	100		
226	30.8	21.5	32.3
229	21.7	15.9	23.9

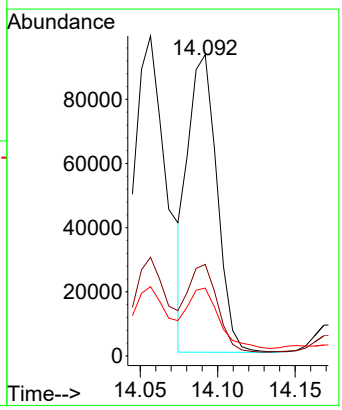


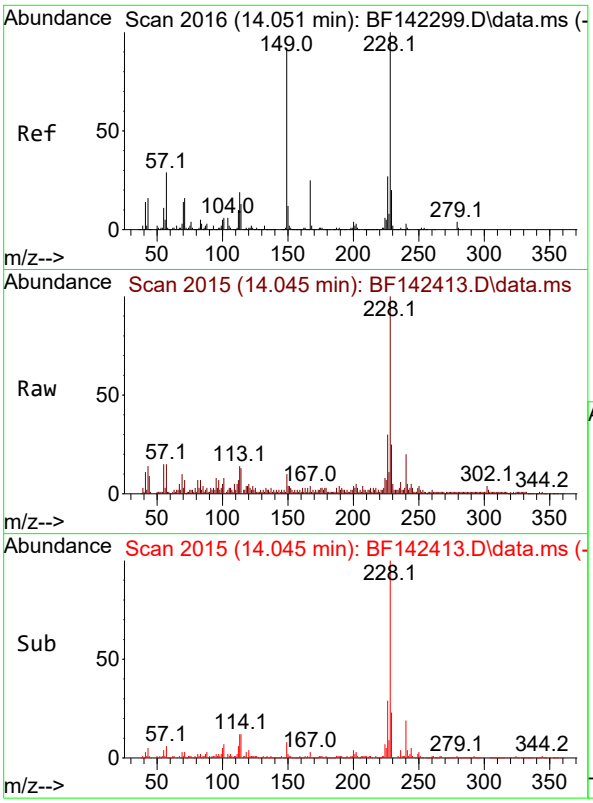


#83
Chrysene
Concen: 6.697 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Tgt Ion:228 Resp: 120799

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.9	35.9
229	22.5	15.4	23.2



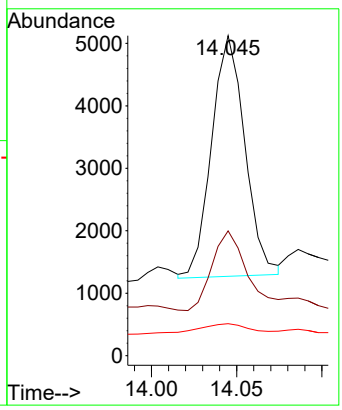


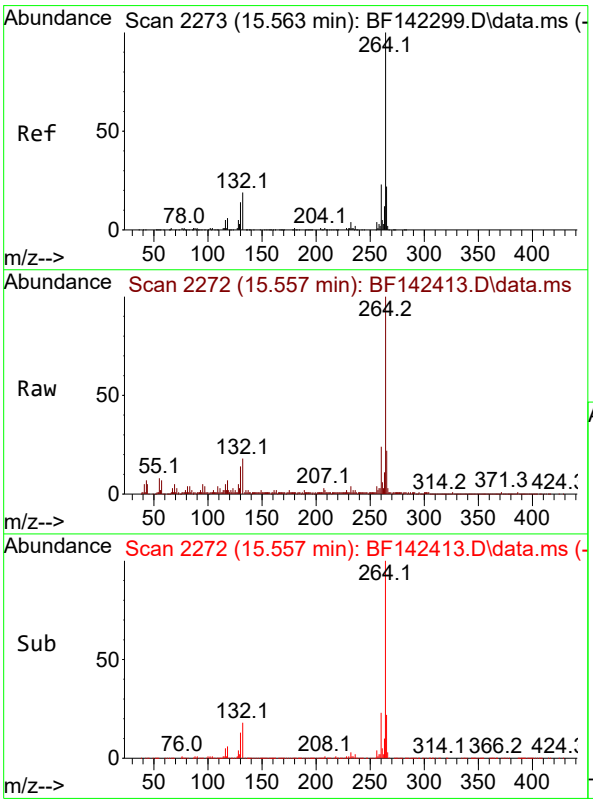
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.710 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:149 Resp: 5250

Ion	Ratio	Lower	Upper
149	100		
167	39.0	22.0	33.0#
279	10.0	3.0	4.6#

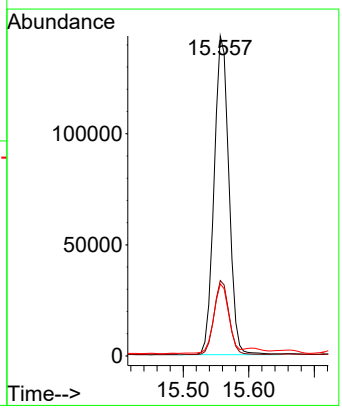


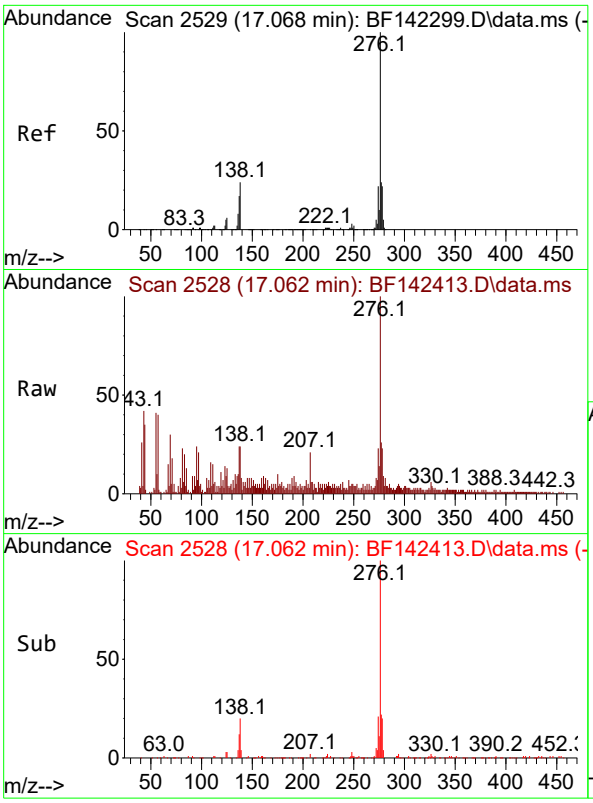


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Tgt Ion:264 Resp: 224973

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	27.8
265	22.5	17.5	26.3



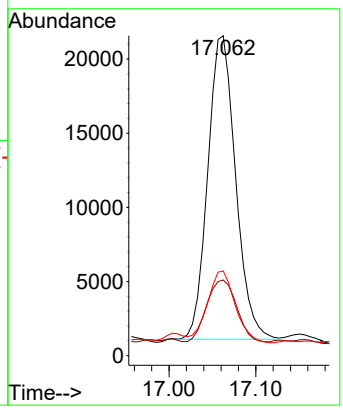


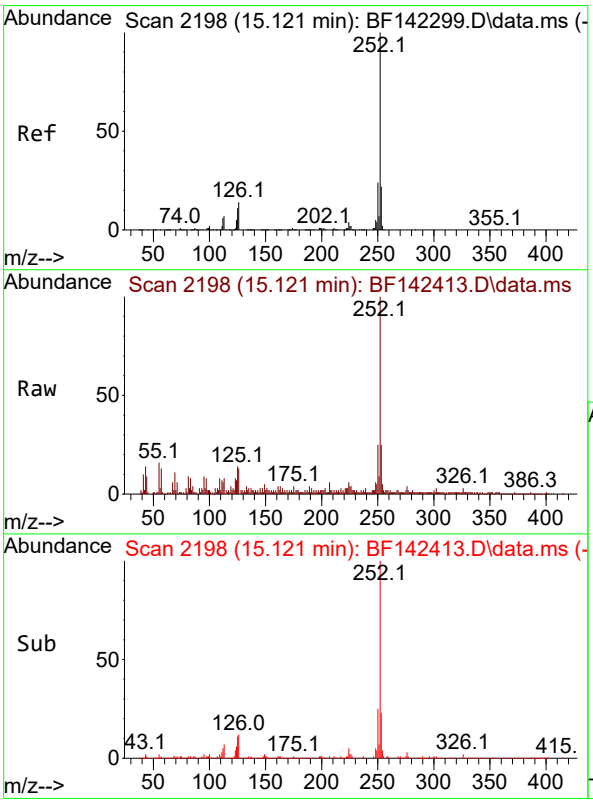
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.913 ng m
RT: 17.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:276 Resp: 45586

Ion	Ratio	Lower	Upper
276	100		
138	5.4	22.0	33.0#
277	4.9	20.1	30.1#

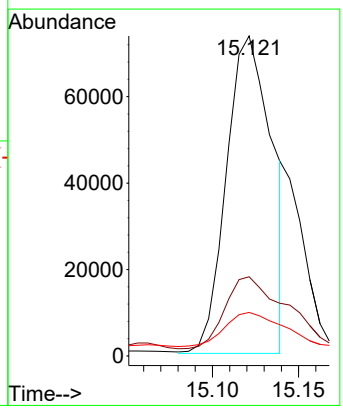


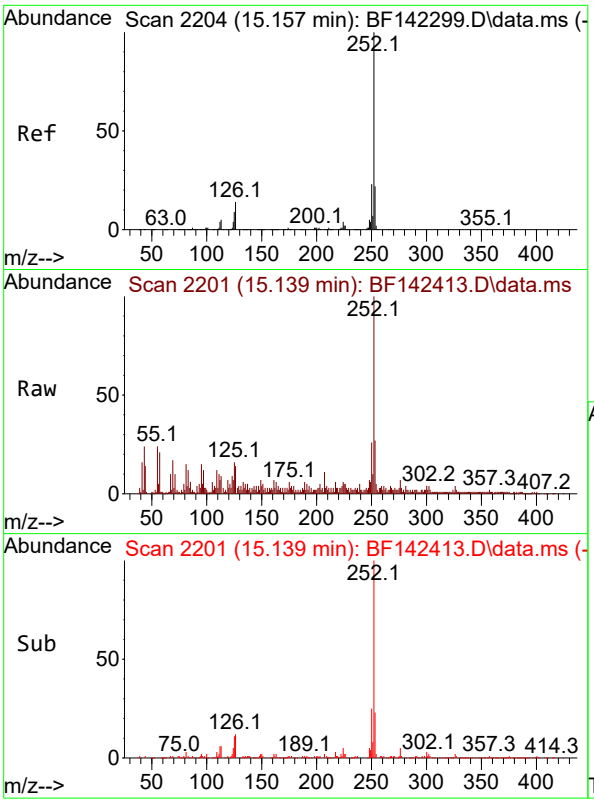


#88
Benzo(b)fluoranthene
Concen: 9.937 ng m
RT: 15.121 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Tgt Ion:252 Resp: 135396

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.7	26.5
125	13.6	8.7	13.1#



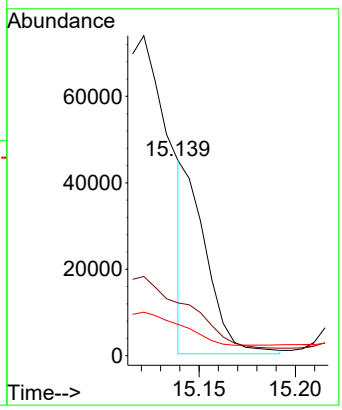


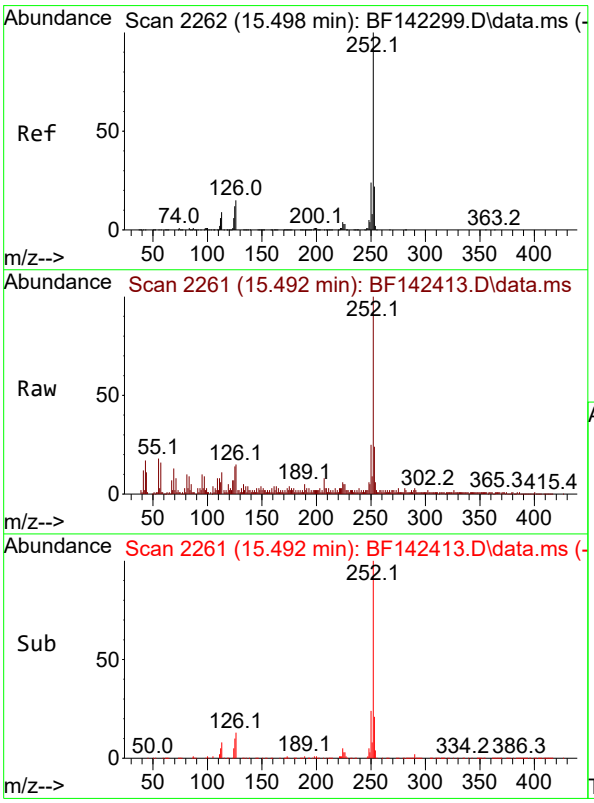
#89
Benzo(k)fluoranthene
Concen: 2.910 ng m
RT: 15.139 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:252 Resp: 36286

Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.6	26.4#
125	16.1	8.1	12.1#

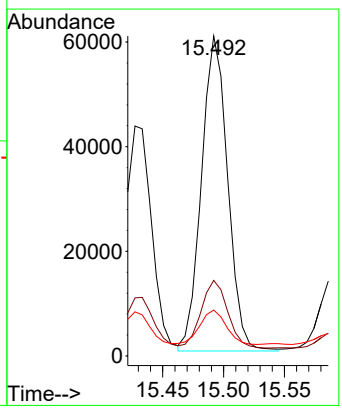


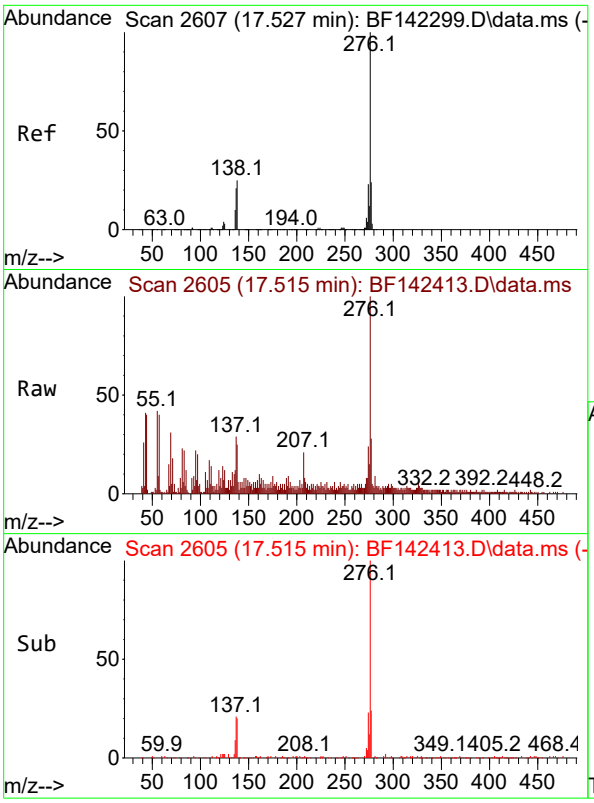


#90
Benzo(a)pyrene
Concen: 7.404 ng
RT: 15.492 min Scan# 2261
Delta R.T. -0.006 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Tgt Ion:252 Resp: 90398

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	14.3	9.4	14.0#



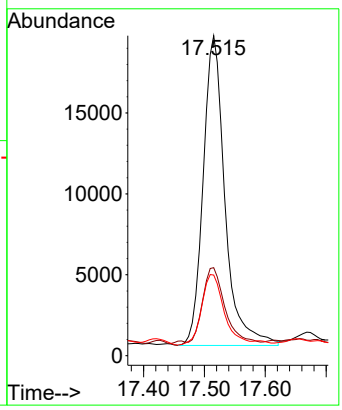


#92
Benzo(g,h,i)perylene
Concen: 3.713 ng
RT: 17.515 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:276 Resp: 47644

Ion	Ratio	Lower	Upper
276	100		
277	27.5	19.0	28.6
138	25.2	19.8	29.6



Sample Results: **BF142413.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142413.D
Acq On : 16 May 2025 01:27
Operator : RC/JU
Sample : Q1982-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142413.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.116	489	497	508	rBV	217149	337308	9.84%	1.185%
2	5.516	559	565	570	rBV	2131006	2829159	82.49%	9.940%
3	6.522	730	736	754	rVB	2123199	2928263	85.38%	10.288%
4	6.904	796	801	806	rVB	810517	1003875	29.27%	3.527%
5	7.463	885	896	901	rBV	1455304	1888266	55.06%	6.634%
6	7.710	935	938	944	rVB	42381	55940	1.63%	0.197%
7	8.186	1012	1019	1026	rBV	1013093	1336891	38.98%	4.697%
8	9.257	1196	1201	1206	rBV	2762873	3429600	100.00%	12.050%
9	9.339	1210	1215	1222	rBV2	36321	59580	1.74%	0.209%
10	9.592	1255	1258	1261	rVV	35088	49813	1.45%	0.175%
11	9.651	1265	1268	1275	rVV4	32266	57317	1.67%	0.201%
12	9.710	1275	1278	1288	rVB2	23566	50005	1.46%	0.176%
13	9.798	1289	1293	1298	rBV	52798	67267	1.96%	0.236%
14	9.863	1300	1304	1310	rVV2	24982	35176	1.03%	0.124%
15	9.939	1310	1317	1321	rVV	1039091	1340078	39.07%	4.708%
16	9.969	1321	1322	1330	rVB	92299	86340	2.52%	0.303%
17	10.139	1346	1351	1355	rVB	71098	91929	2.68%	0.323%
18	10.486	1405	1410	1416	rVB	131749	177207	5.17%	0.623%
19	10.651	1433	1438	1444	rVB2	186981	254464	7.42%	0.894%
20	10.727	1445	1451	1456	rBV	1295797	1735132	50.59%	6.096%
21	10.845	1466	1471	1478	rVB2	46698	81348	2.37%	0.286%
22	11.027	1498	1502	1505	rBV2	29156	43781	1.28%	0.154%
23	11.286	1541	1546	1548	rBV2	25546	40621	1.18%	0.143%
24	11.322	1548	1552	1558	rVB2	52893	77935	2.27%	0.274%
25	11.427	1564	1570	1578	rBV2	842363	1431907	41.75%	5.031%
26	11.498	1578	1582	1586	rVV	98314	120230	3.51%	0.422%
27	11.657	1605	1609	1615	rBV5	17945	38422	1.12%	0.135%
28	11.951	1651	1659	1664	rBV3	331395	574087	16.74%	2.017%
29	12.039	1670	1674	1682	rVB	152896	259914	7.58%	0.913%
30	12.222	1698	1705	1715	rVB3	45818	111961	3.26%	0.393%
31	12.474	1745	1748	1751	rBV	49181	62221	1.81%	0.219%
32	12.510	1751	1754	1760	rVB2	46318	69631	2.03%	0.245%
33	12.639	1771	1776	1780	rBV	557595	690432	20.13%	2.426%
34	12.680	1780	1783	1788	rVV5	25163	37803	1.10%	0.133%
35	12.733	1788	1792	1798	rVV2	58277	83422	2.43%	0.293%
36	12.869	1809	1815	1821	rVB	522887	755258	22.02%	2.654%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142413.D
Acq On : 16 May 2025 01:27
Operator : RC/JU
Sample : Q1982-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	13.010	1834	1839	1846	rVB	2066979	2672418	77.92%	9.389%
38	13.086	1848	1852	1858	rVV3	55687	92186	2.69%	0.324%
39	13.192	1864	1870	1874	rVB	114783	186144	5.43%	0.654%
40	13.263	1879	1882	1885	rVV	90224	110461	3.22%	0.388%
41	13.298	1885	1888	1896	rVB2	77856	110278	3.22%	0.387%
42	13.392	1901	1904	1907	rBV	50997	56454	1.65%	0.198%
43	13.910	1988	1992	2002	rVB3	146426	264685	7.72%	0.930%
44	14.063	2013	2018	2030	rBV2	766593	1439227	41.96%	5.057%
45	15.121	2194	2198	2206	rVB	179501	387952	11.31%	1.363%
46	15.492	2258	2261	2267	rVB	124499	163263	4.76%	0.574%
47	15.557	2268	2272	2284	rVB	367774	686458	20.02%	2.412%

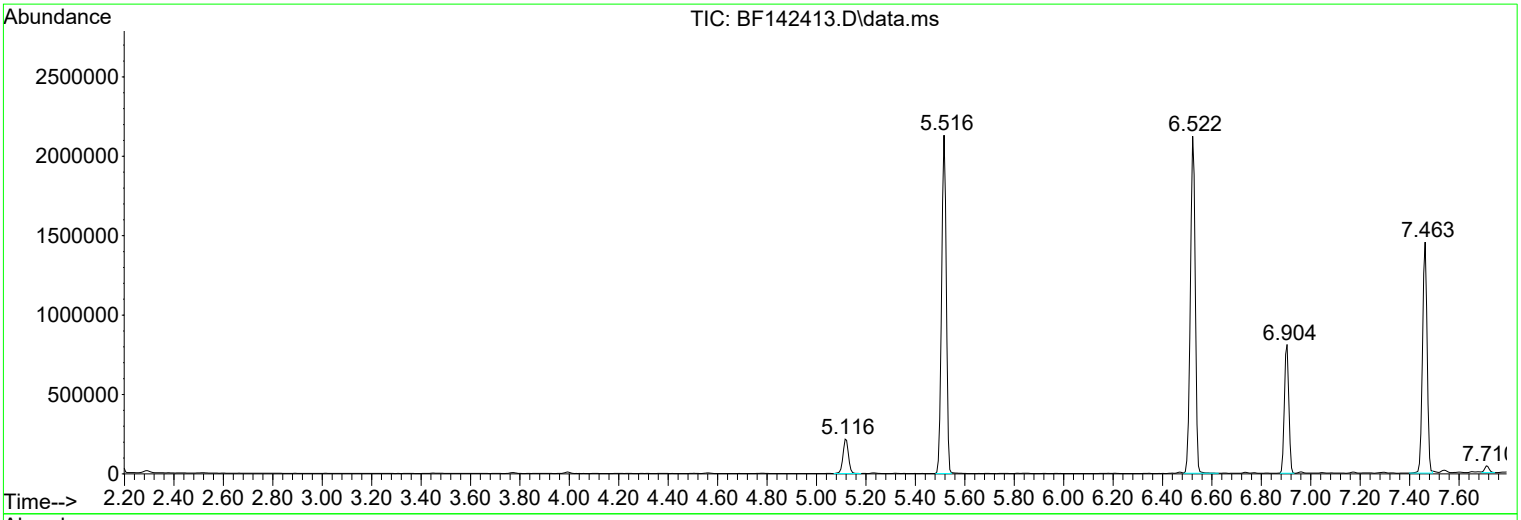
Sum of corrected areas: 28462109

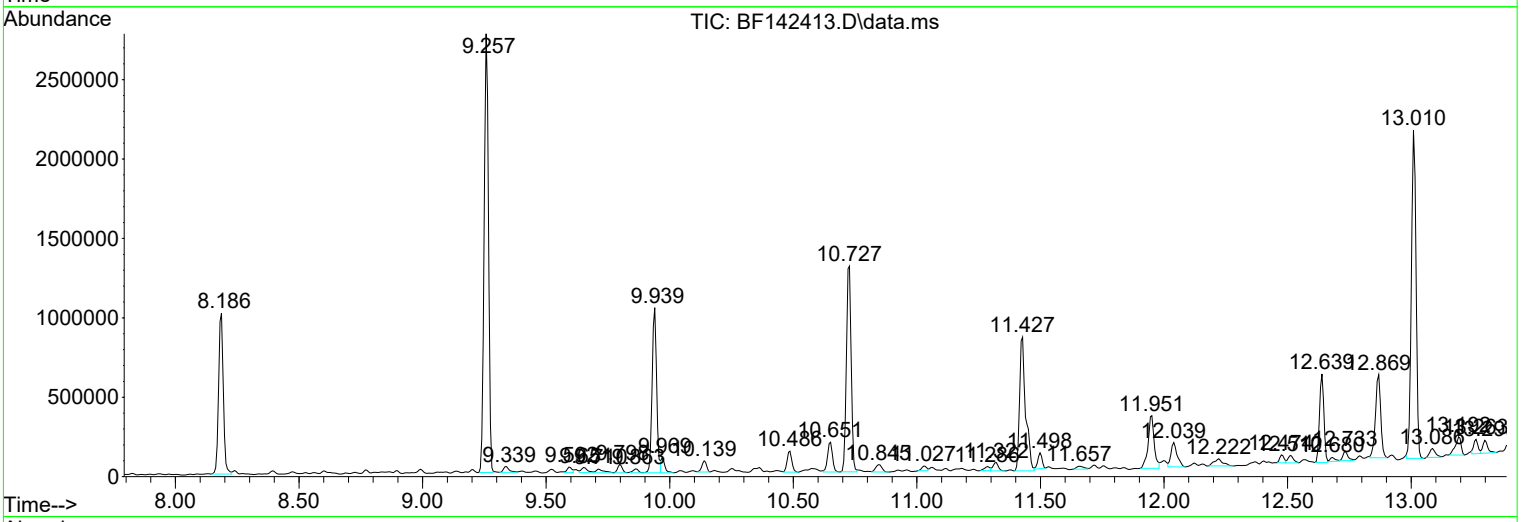
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Data File : BF142413.D
Acq On : 16 May 2025 01:27
Operator : RC/JU
Sample : Q1982-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

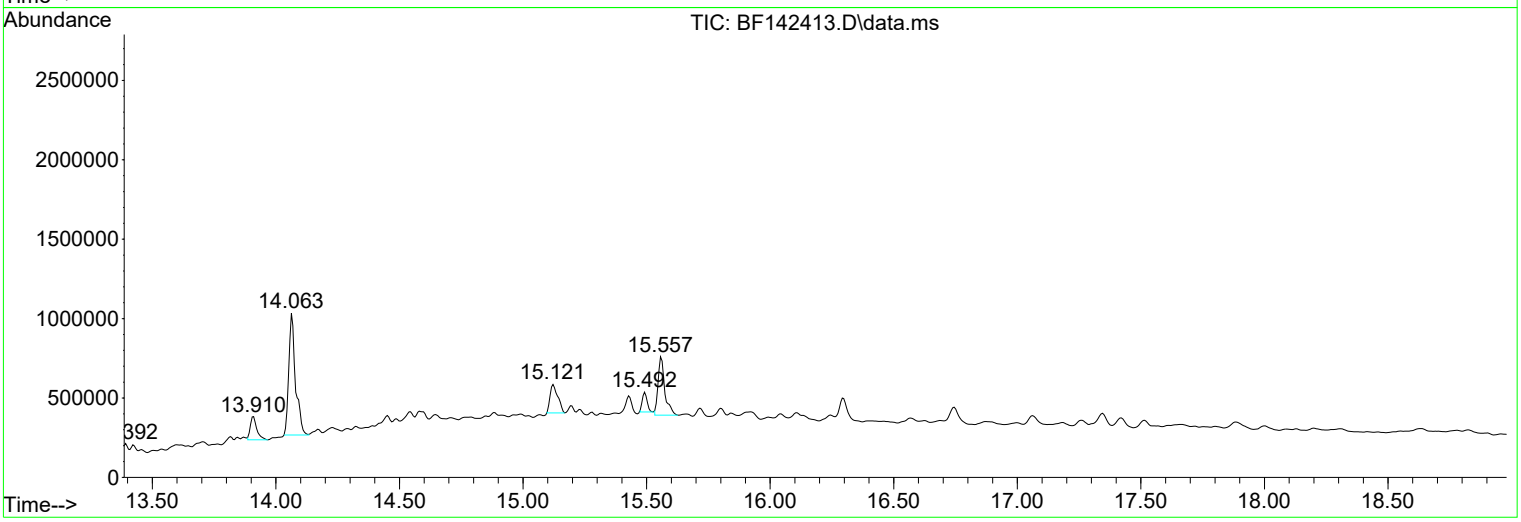
Instrument :
BNA_F
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.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\BF051525\
Data File : BF142413.D
Acq On : 16 May 2025 01:27
Operator : RC/JU
Sample : Q1982-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

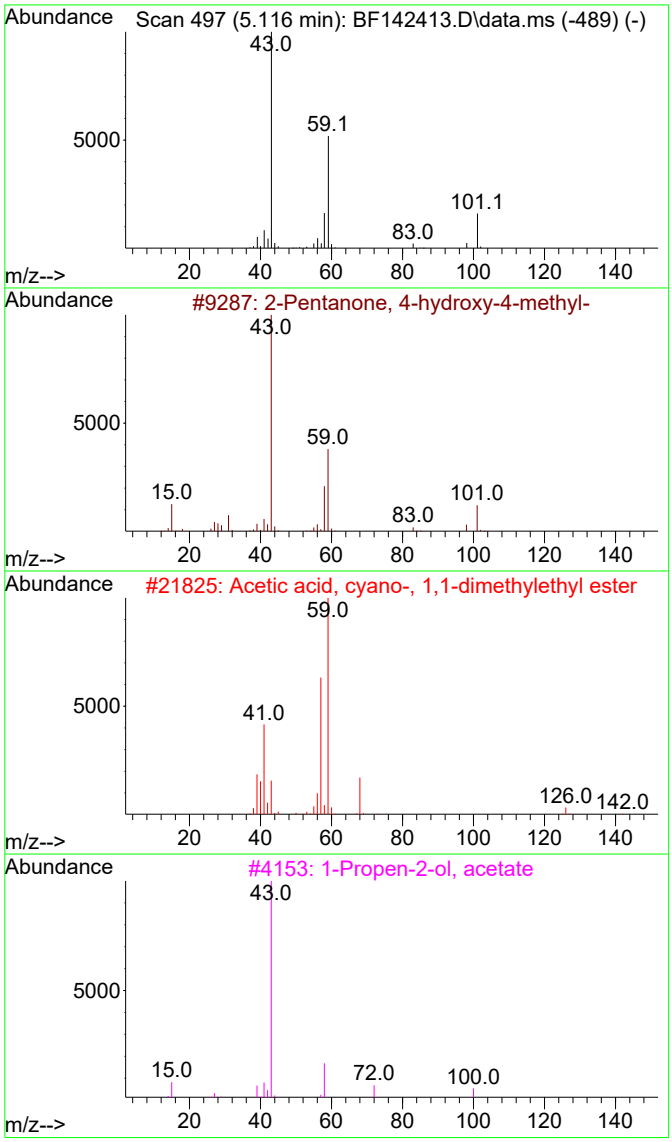
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

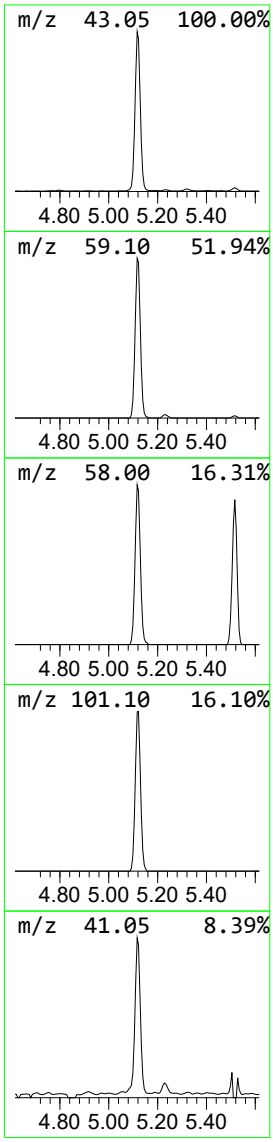
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.116	6.72 ng	337308	1,4-Dichlorobenzene-d4	6.904

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	23
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	10
5	Acetone	58	C3H6O	000067-64-1	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142413.D
Acq On : 16 May 2025 01:27
Operator : RC/JU
Sample : Q1982-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

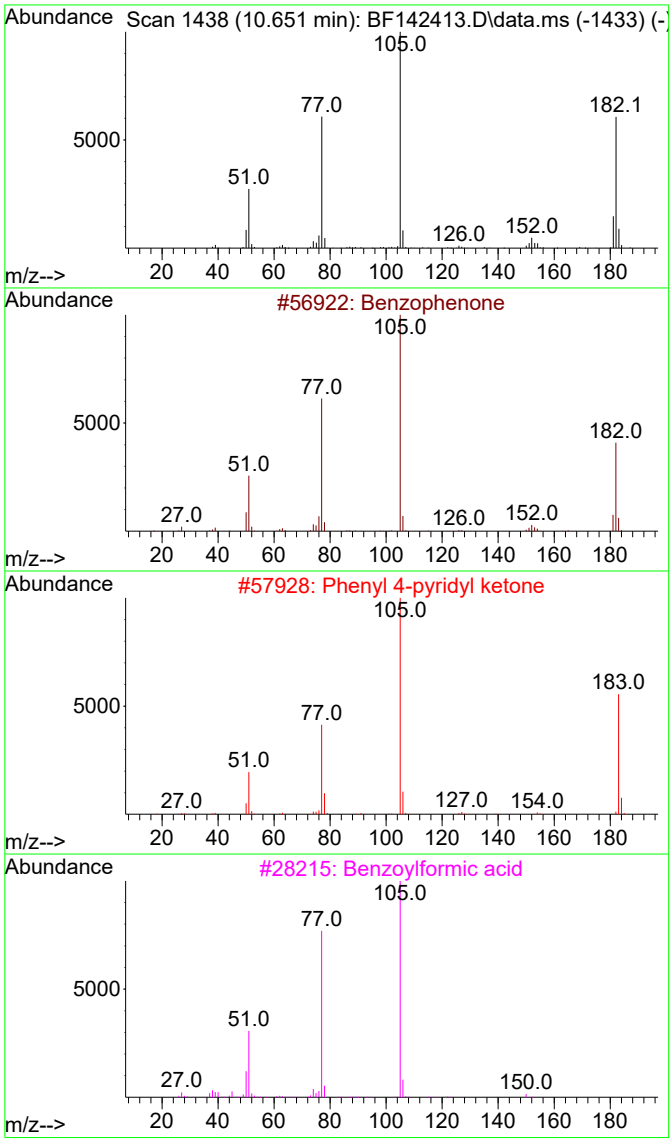
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TIC Integration Parameters: LSCINT.P

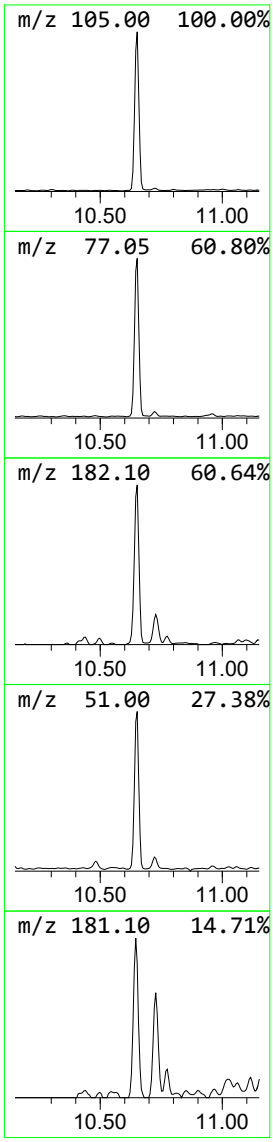
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Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.651	3.80 ng	254464	Acenaphthene-d10	9.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	49
3	Benzoylformic acid	150	C8H6O3	000611-73-4	49
4	Vinyl benzoate	148	C9H8O2	000769-78-8	47
5	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142413.D
Acq On : 16 May 2025 01:27
Operator : RC/JU
Sample : Q1982-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

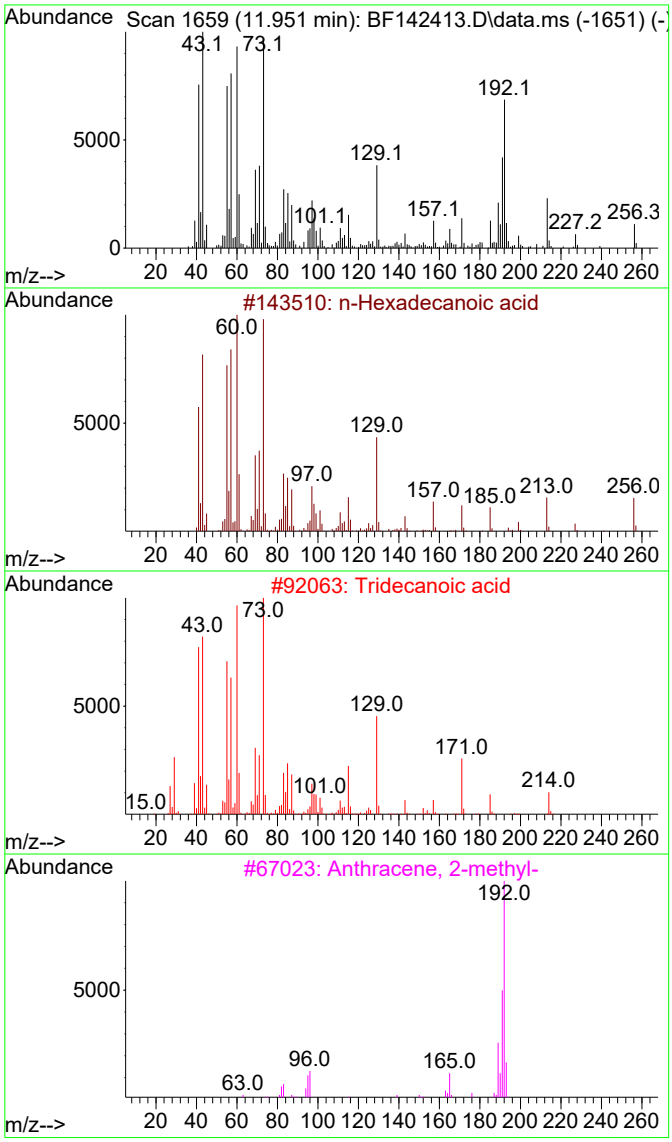
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TIC Integration Parameters: LSCINT.P

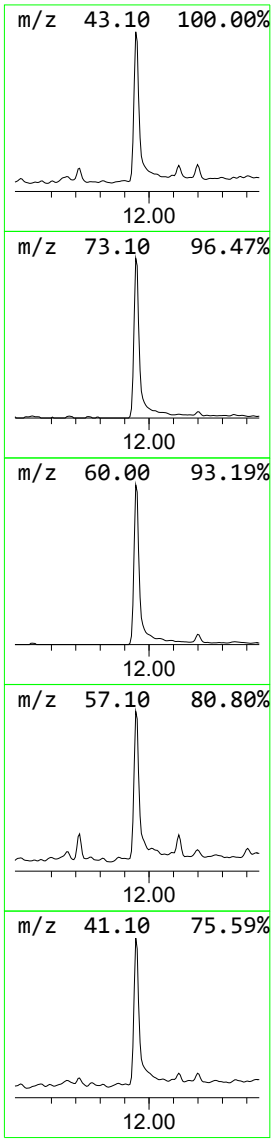
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	8.02 ng	574087	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142413.D
Acq On : 16 May 2025 01:27
Operator : RC/JU
Sample : Q1982-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

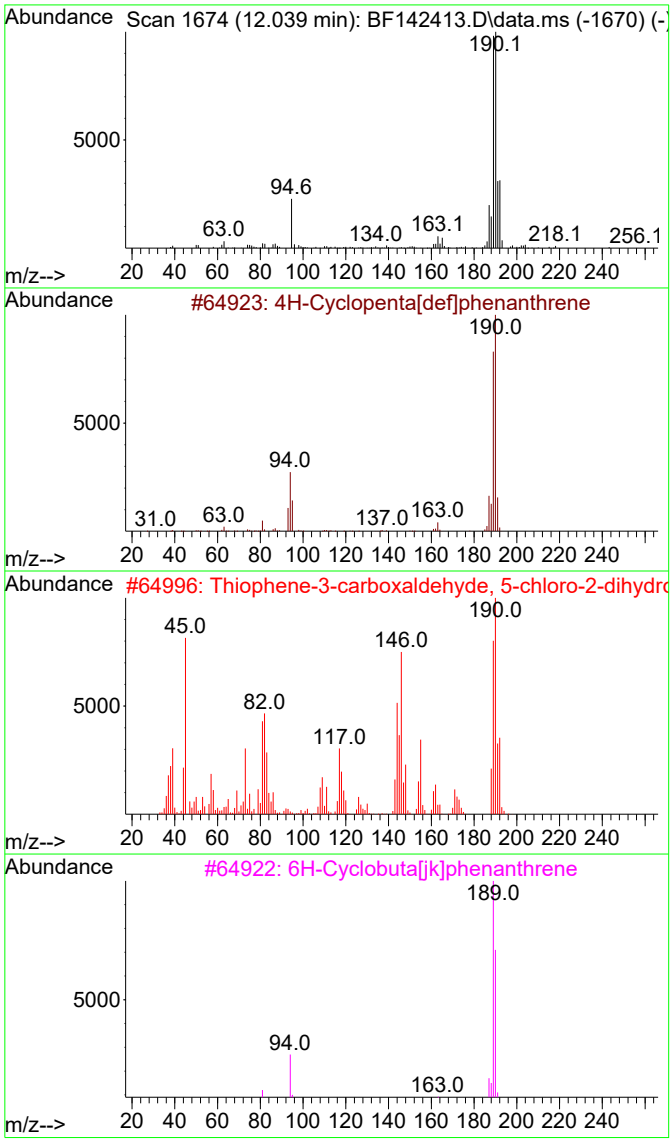
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

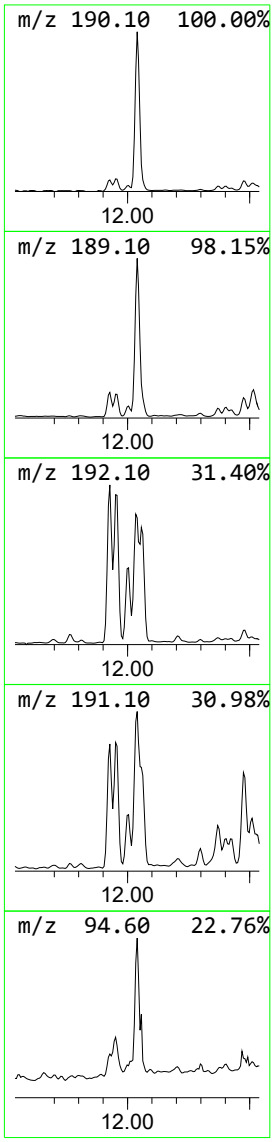
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.039	3.63 ng	259914	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142413.D
Acq On : 16 May 2025 01:27
Operator : RC/JU
Sample : Q1982-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

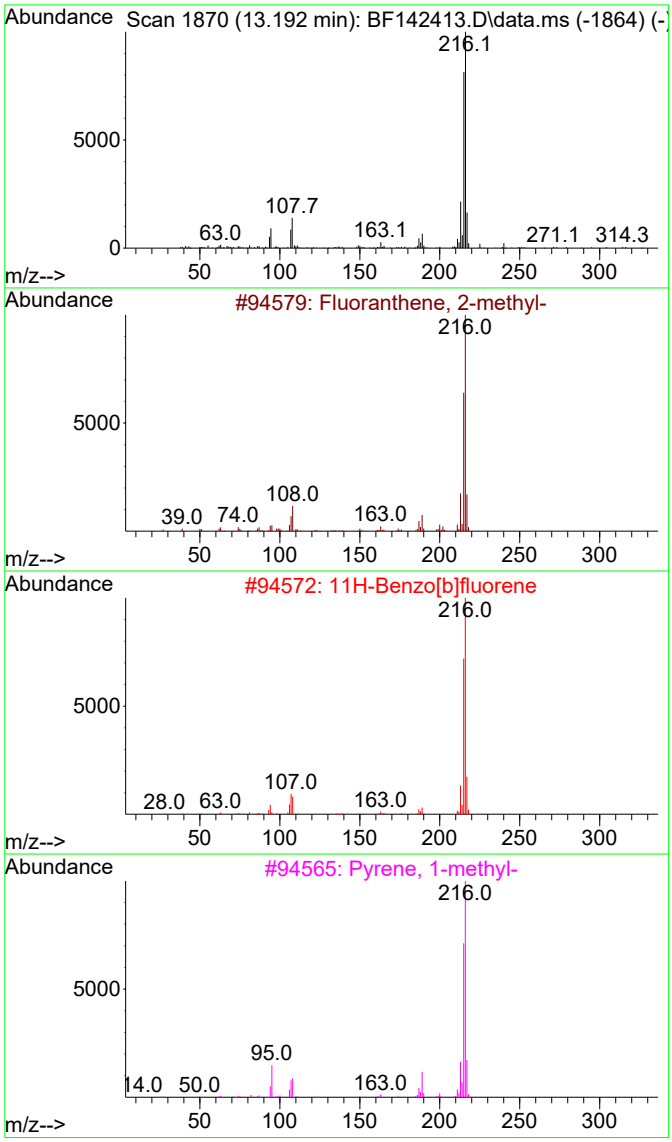
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TIC Integration Parameters: LSCINT.P

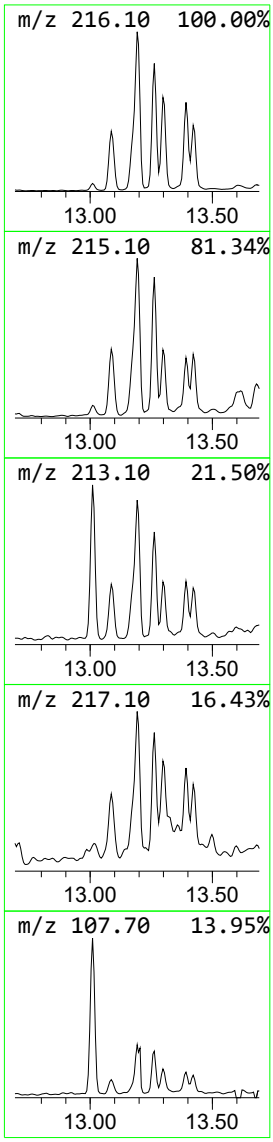
****

Peak Number 5 Fluoranthene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.192	2.59 ng	186144	Chrysene-d12	14.068

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142413.D
Acq On : 16 May 2025 01:27
Operator : RC/JU
Sample : Q1982-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

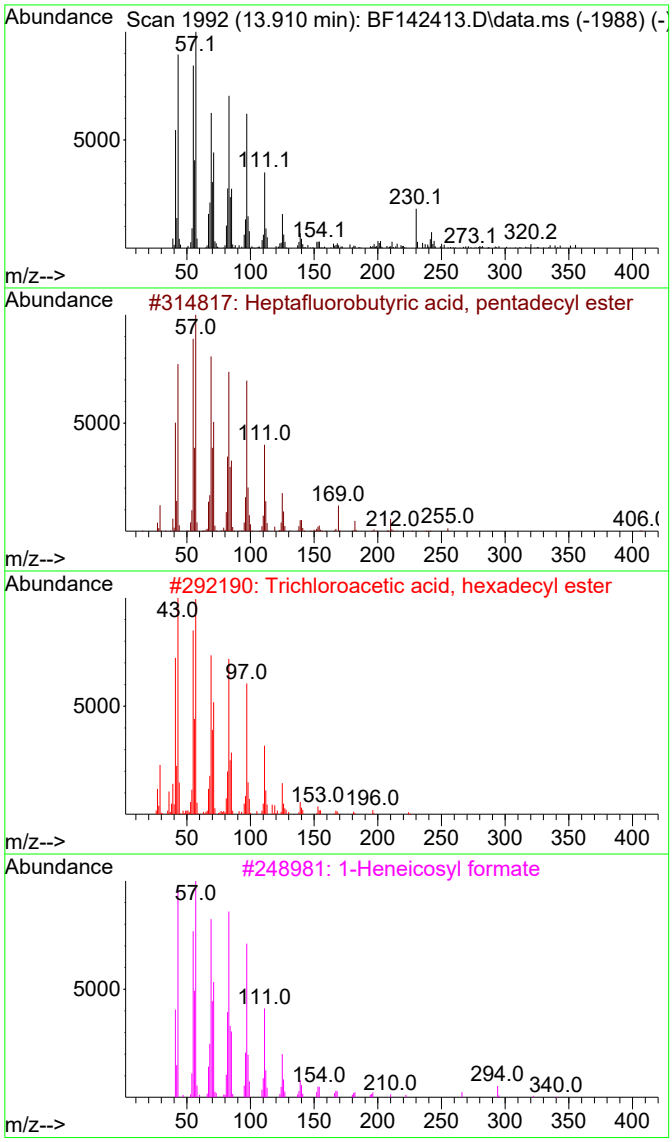
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

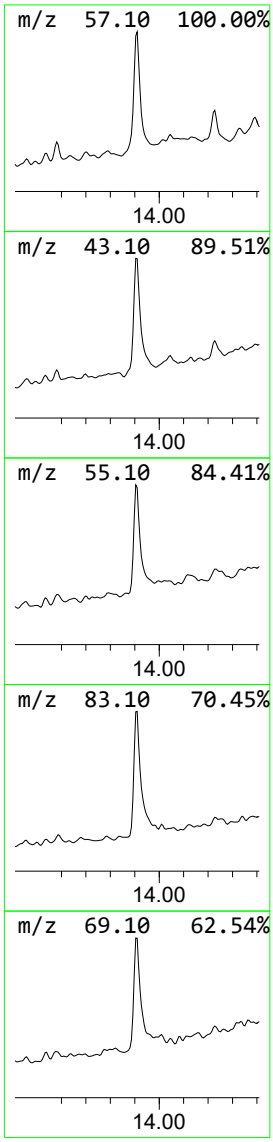
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Heptafluorobutyric acid, pe... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.910	3.68 ng	264685	Chrysene-d12	14.068

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
2	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
3	1-Heneicosyl formate	340	C22H44O2	077899-03-7	94
4	2- Chloropropionic acid, hexadec...	332	C19H37ClO2	086711-81-1	94
5	Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142413.D
Acq On : 16 May 2025 01:27
Operator : RC/JU
Sample : Q1982-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.116	6.7	ng	337308	1	6.904	1003880	20.0
Benzophenone	10.651	3.8	ng	254464	3	9.939	1340080	20.0
n-Hexadecanoic ...	11.951	8.0	ng	574087	4	11.427	1431910	20.0
4H-Cyclopenta[d...	12.039	3.6	ng	259914	4	11.427	1431910	20.0
Fluoranthene, 2...	13.192	2.6	ng	186144	5	14.068	1439230	20.0
Heptafluorobuty...	13.910	3.7	ng	264685	5	14.068	1439230	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142408.D
Acq On : 15 May 2025 23:01
Operator : RC/JU
Sample : Q1982-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-5

Quant Time: May 16 01:10:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

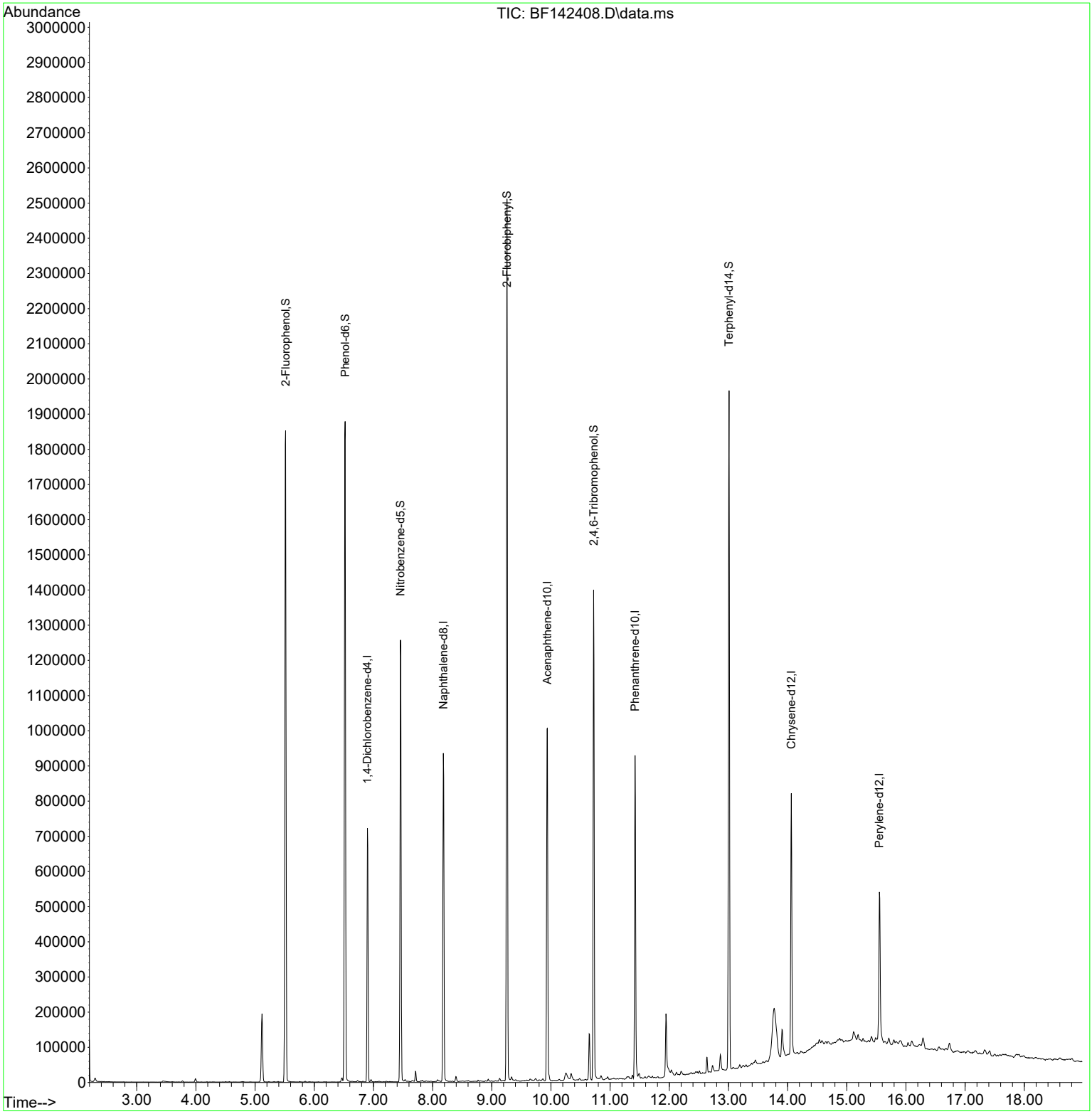
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	156800	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	595096	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	309030	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	471561	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	353038	20.000	ng	0.00
86) Perylene-d12	15.551	264	254978	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	734163	79.928	ng	0.00
7) Phenol-d6	6.522	99	910993	80.639	ng	0.00
23) Nitrobenzene-d5	7.457	82	533295	54.654	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	243192	81.509	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1106839	51.070	ng	0.00
79) Terphenyl-d14	13.010	244	935108	39.204	ng	0.00
Target Compounds						Qvalue

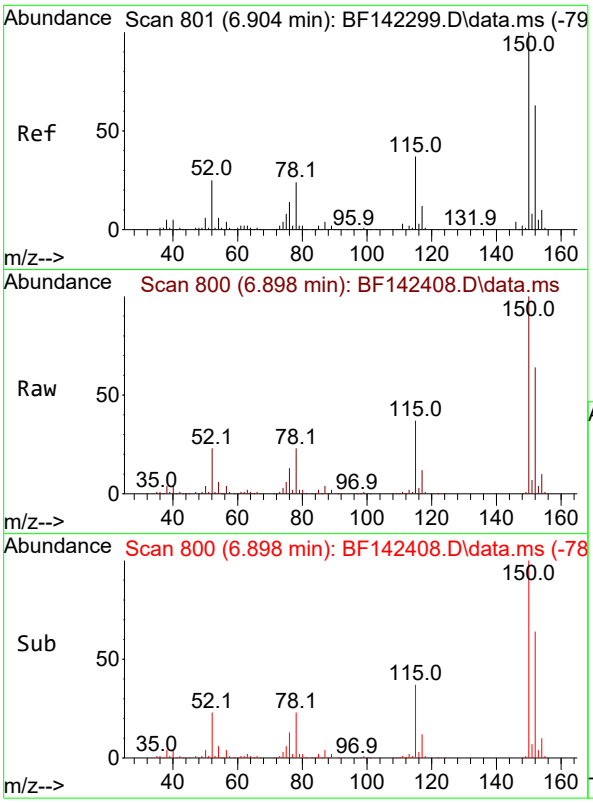
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142408.D
Acq On : 15 May 2025 23:01
Operator : RC/JU
Sample : Q1982-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-5

Quant Time: May 16 01:10:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration



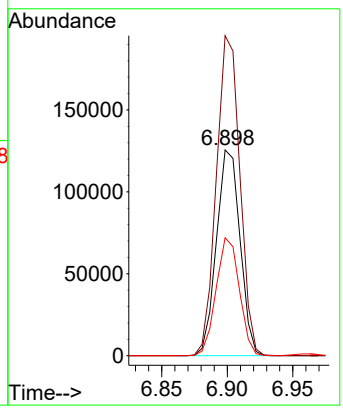


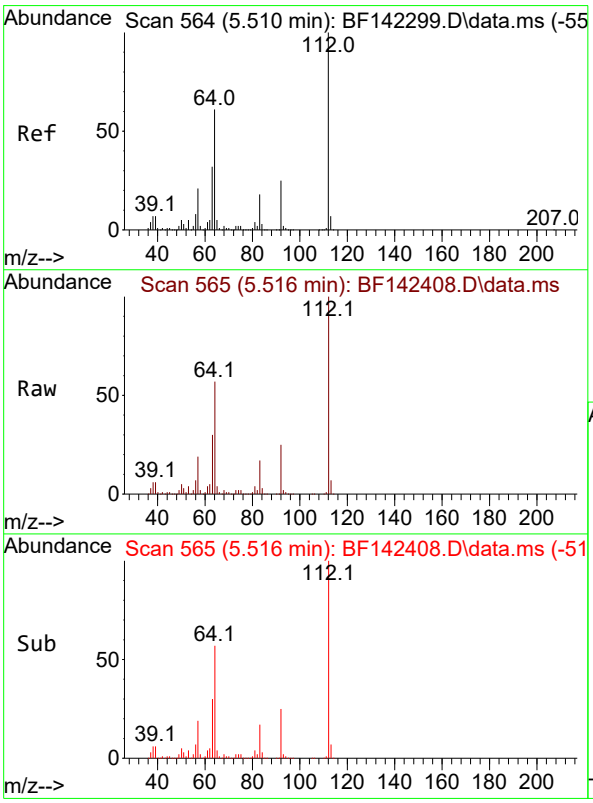
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142408.D
Acq: 15 May 2025 23:01

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:152 Resp: 156800

Ion	Ratio	Lower	Upper
152	100		
150	155.5	126.6	190.0
115	57.3	47.3	70.9

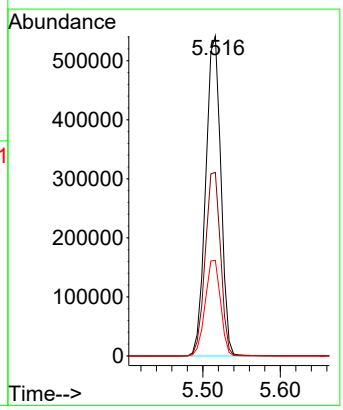


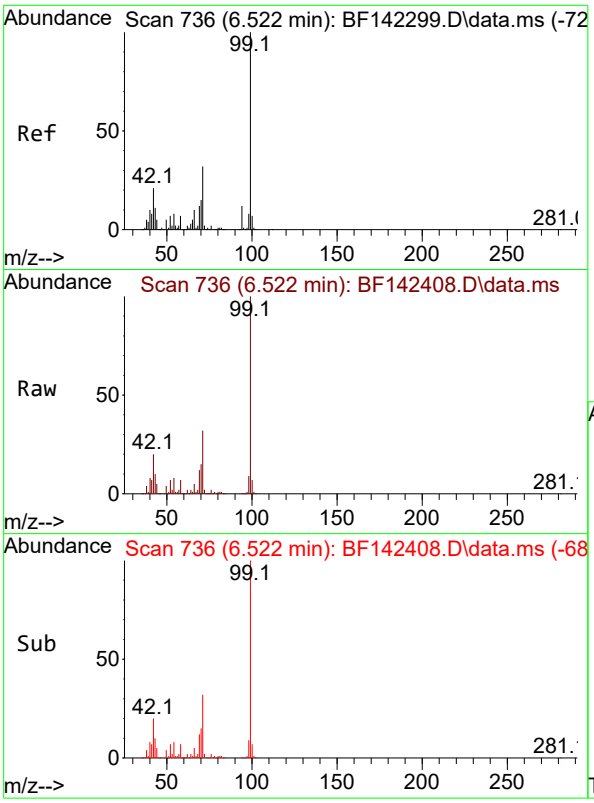


#5
2-Fluorophenol
Concen: 79.928 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142408.D
Acq: 15 May 2025 23:01

Tgt Ion:112 Resp: 734163

Ion	Ratio	Lower	Upper
112	100		
64	57.3	48.9	73.3
63	29.9	25.6	38.4



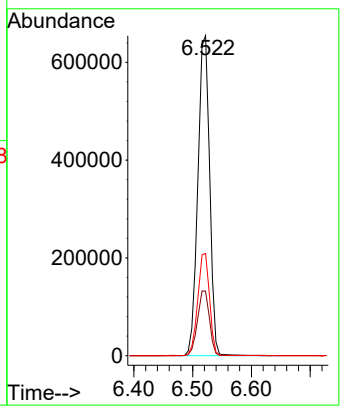


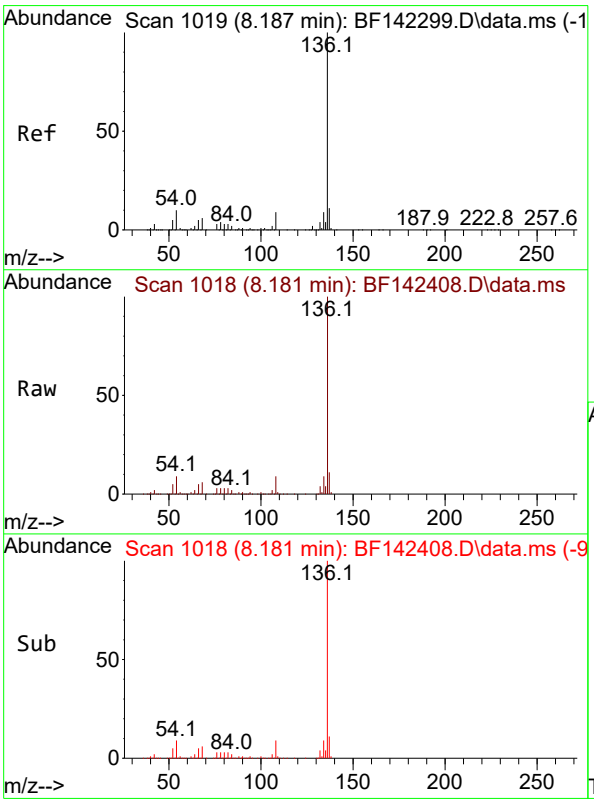
#7
Phenol-d6
Concen: 80.639 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142408.D
Acq: 15 May 2025 23:01

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion: 99 Resp: 910993

Ion	Ratio	Lower	Upper
99	100		
42	20.2	17.0	25.4
71	32.0	25.8	38.8

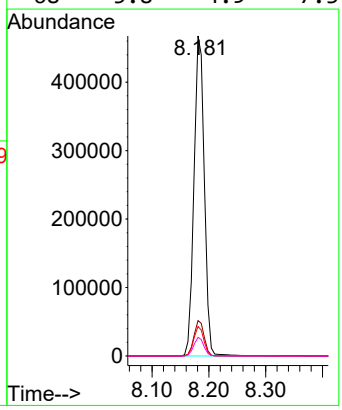


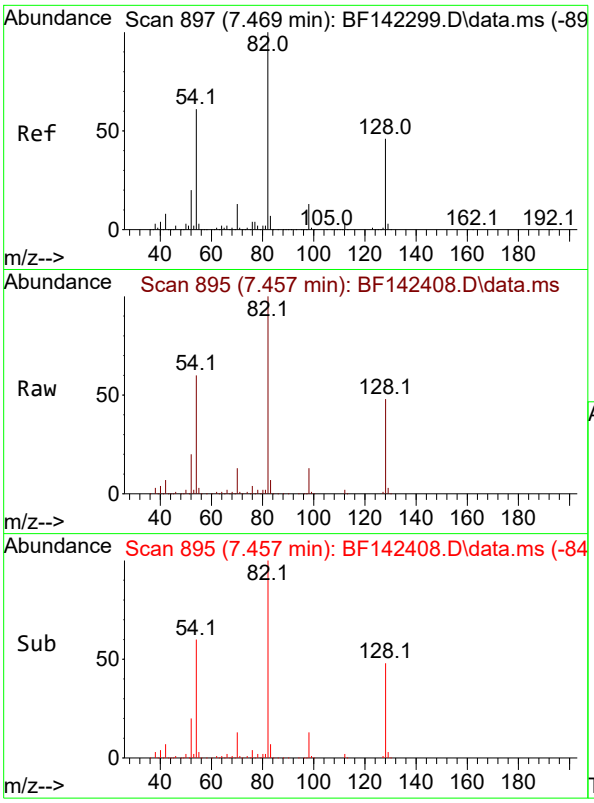


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142408.D
Acq: 15 May 2025 23:01

Tgt Ion:136 Resp: 595096

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.2	7.7	11.5
68	5.8	4.9	7.3



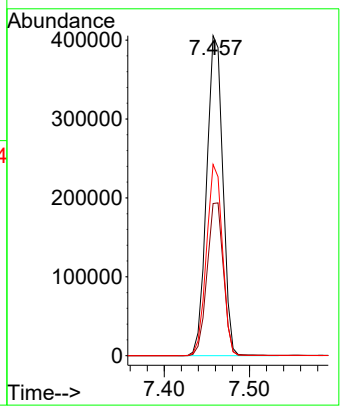


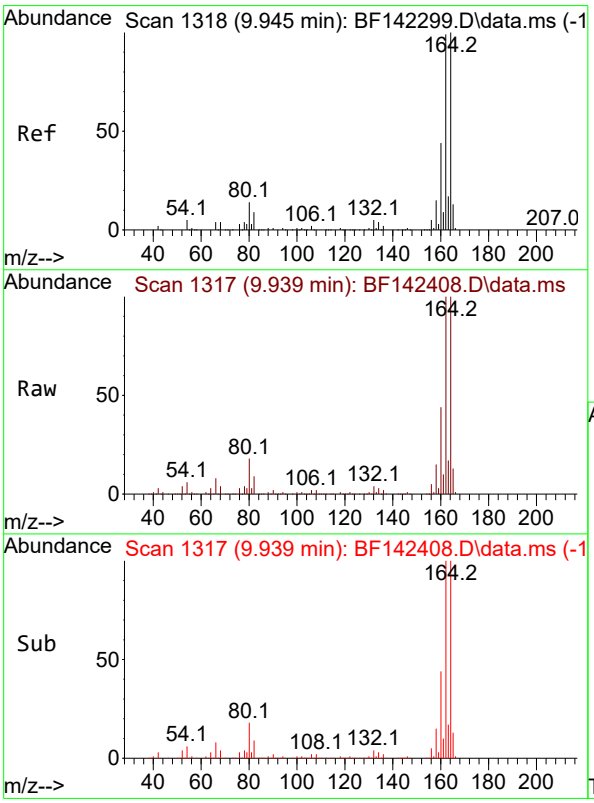
#23
Nitrobenzene-d5
Concen: 54.654 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142408.D
Acq: 15 May 2025 23:01

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion: 82 Resp: 533295

Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.0	55.6
54	59.8	48.6	73.0

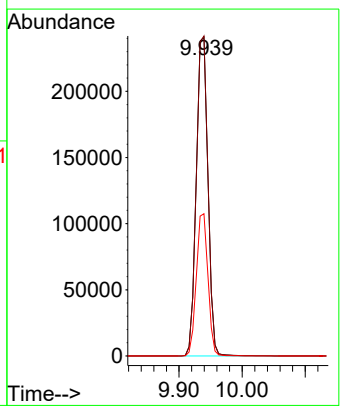


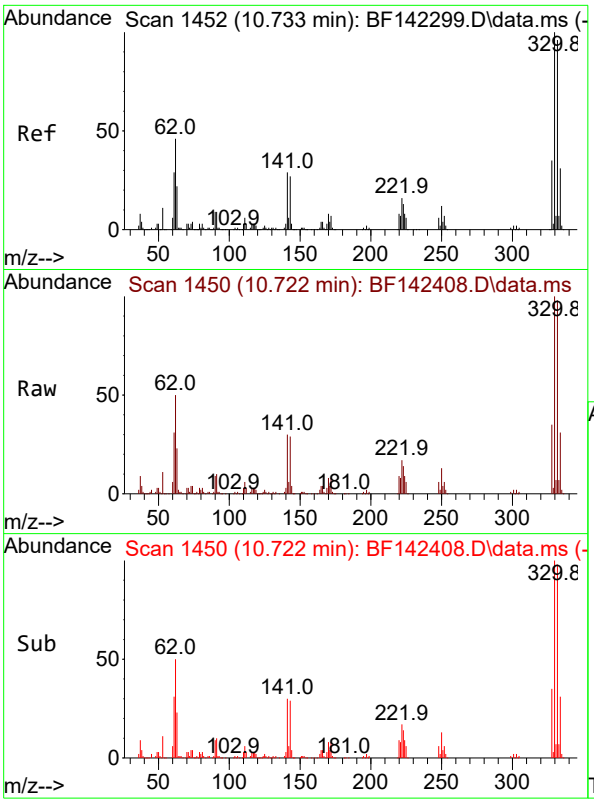


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142408.D
Acq: 15 May 2025 23:01

Tgt Ion:164 Resp: 309030

Ion	Ratio	Lower	Upper
164	100		
162	100.4	79.2	118.8
160	44.6	35.3	52.9



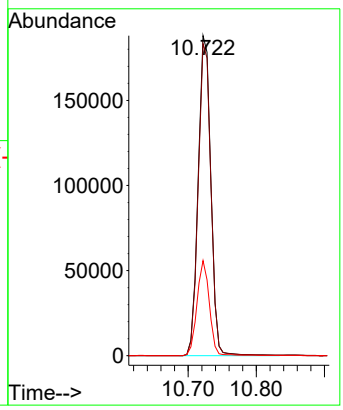


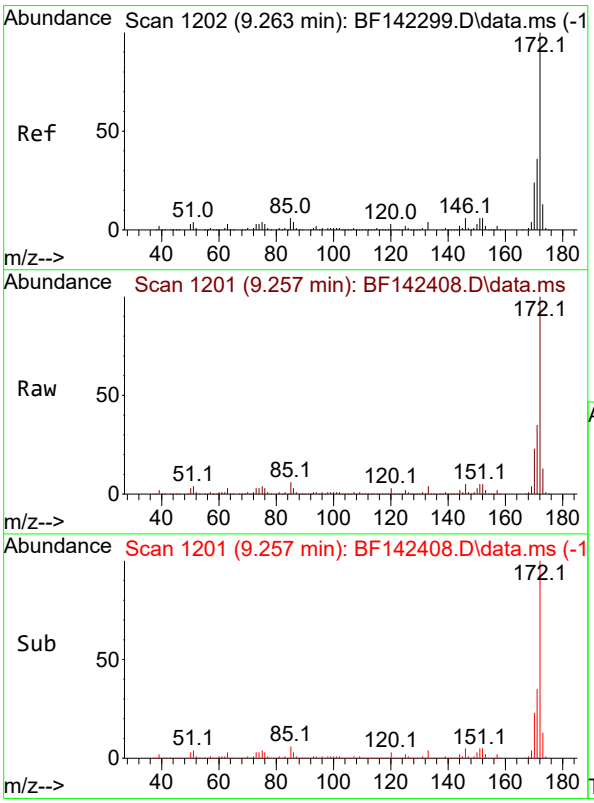
#42
2,4,6-Tribromophenol
Concen: 81.509 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142408.D
Acq: 15 May 2025 23:01

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:330 Resp: 243192

Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.8	115.2
141	29.2	24.9	37.3

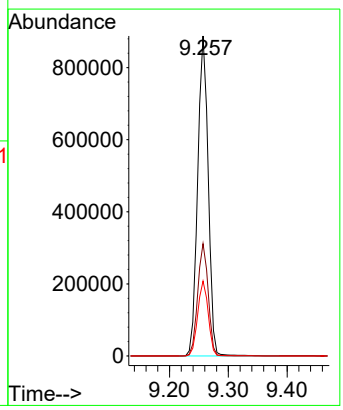


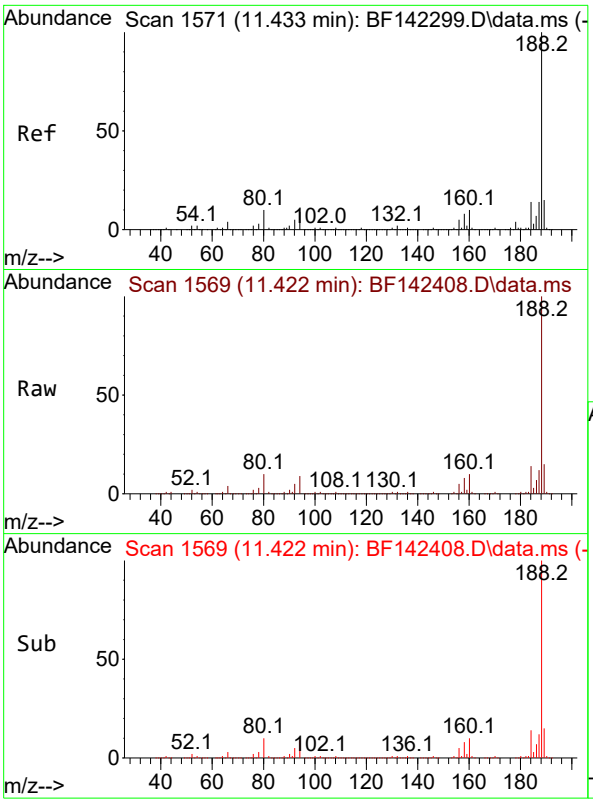


#45
2-Fluorobiphenyl
Concen: 51.070 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142408.D
Acq: 15 May 2025 23:01

Tgt Ion:172 Resp: 1106839

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	42.8
170	23.4	19.0	28.4



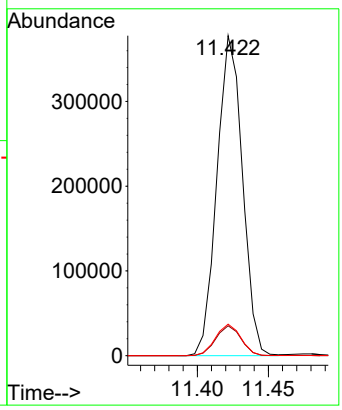


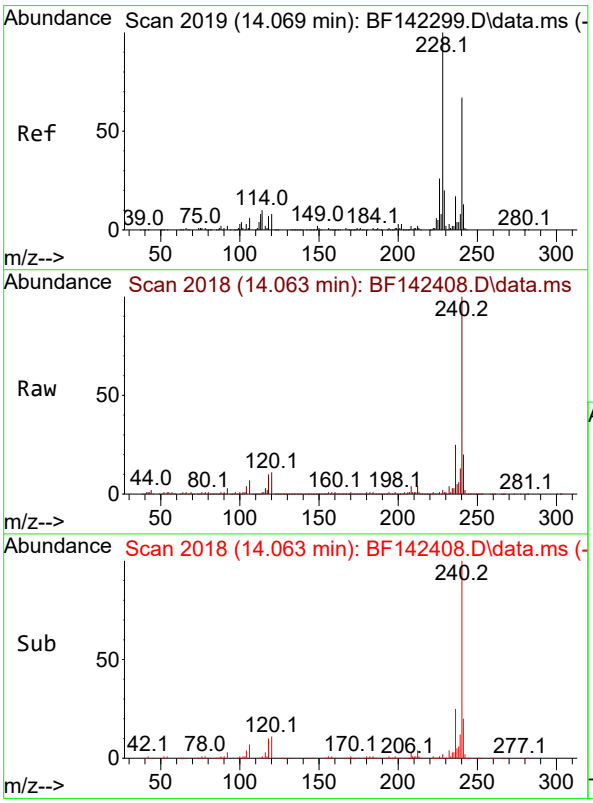
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142408.D
Acq: 15 May 2025 23:01

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:188 Resp: 471561

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.5	11.3
80	9.8	7.9	11.9

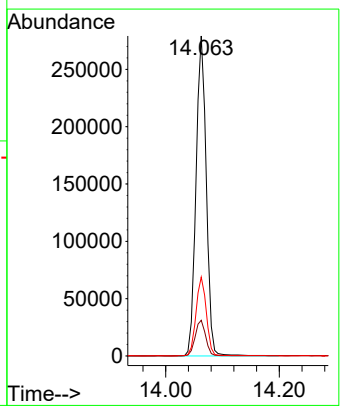


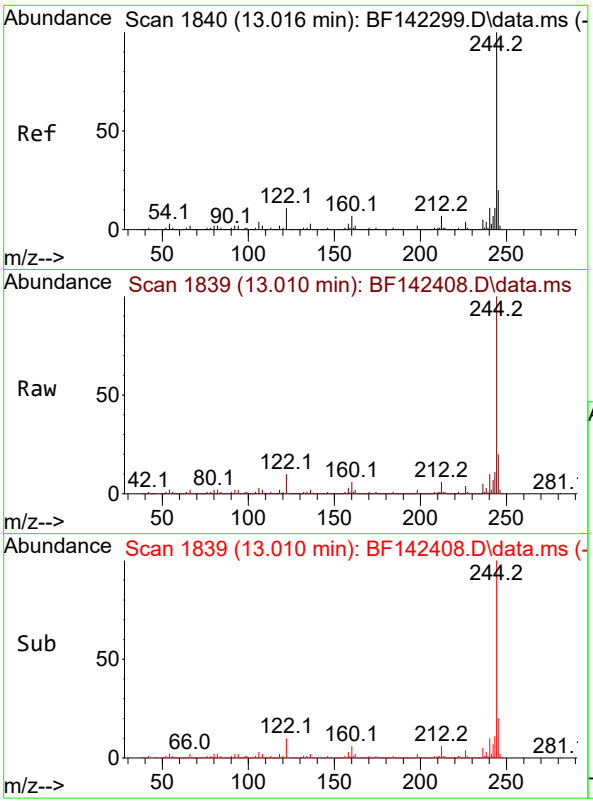


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142408.D
Acq: 15 May 2025 23:01

Tgt Ion:240 Resp: 353038

Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.7	14.5
236	24.7	20.0	30.0



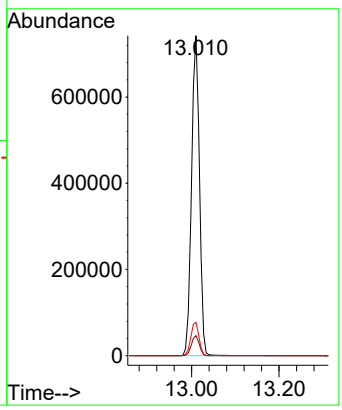


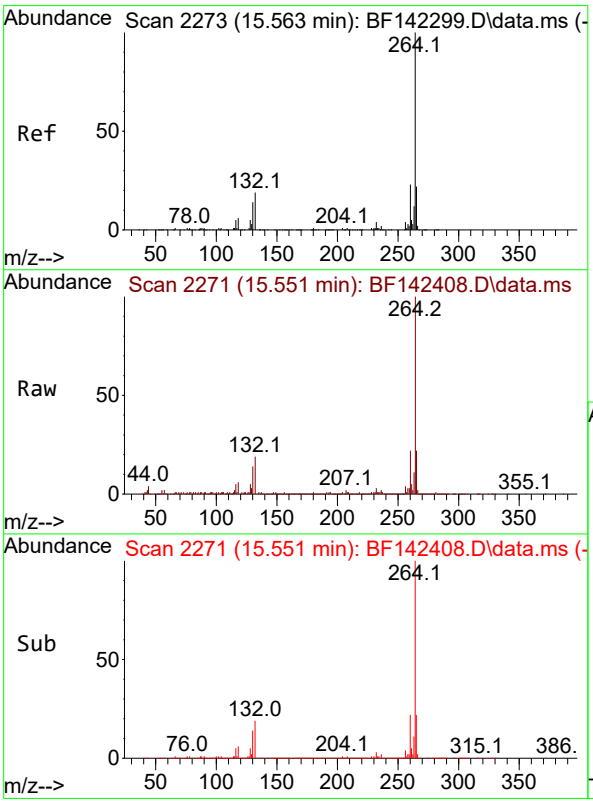
#79
Terphenyl-d14
Concen: 39.204 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142408.D
Acq: 15 May 2025 23:01

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:244 Resp: 935108

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.2
122	10.4	9.0	13.4

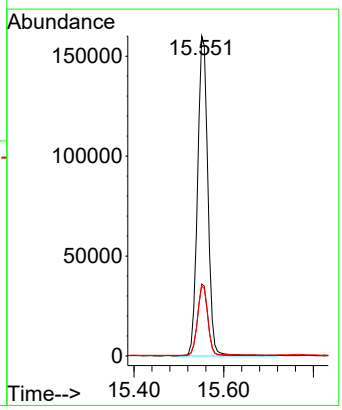




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF142408.D
Acq: 15 May 2025 23:01

Tgt Ion:264 Resp: 254978

Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.6	27.8
265	21.8	17.5	26.3



Sample Results: **BF142408.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142408.D
Acq On : 15 May 2025 23:01
Operator : RC/JU
Sample : Q1982-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-5

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142408.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.116	488	497	508	rBV	194432	290764	9.35%	1.308%
2	5.516	558	565	570	rBV	1851718	2535472	81.53%	11.403%
3	6.522	729	736	741	rBV	1873611	2604418	83.75%	11.713%
4	6.898	795	800	805	rBV	721398	890517	28.64%	4.005%
5	7.457	889	895	900	rBV	1255996	1652539	53.14%	7.432%
6	7.710	934	938	944	rVB	29006	36138	1.16%	0.163%
7	8.181	1013	1018	1035	rVB	933160	1182586	38.03%	5.318%
8	9.257	1195	1201	1206	rBV	2507656	3109853	100.00%	13.986%
9	9.939	1311	1317	1328	rBV	1001367	1308653	42.08%	5.885%
10	10.251	1362	1370	1381	rBV2	21068	69257	2.23%	0.311%
11	10.339	1381	1385	1397	rVB3	18761	38769	1.25%	0.174%
12	10.645	1432	1437	1445	rVB	131039	172991	5.56%	0.778%
13	10.722	1445	1450	1464	rBV	1392771	1774683	57.07%	7.981%
14	11.422	1564	1569	1577	rBV	918007	1182172	38.01%	5.317%
15	11.945	1653	1658	1670	rBV2	177707	302276	9.72%	1.359%
16	12.633	1771	1775	1780	rBV	44859	59696	1.92%	0.268%
17	12.733	1788	1792	1798	rBV6	18499	33342	1.07%	0.150%
18	12.863	1810	1814	1820	rBV	43693	64478	2.07%	0.290%
19	13.010	1833	1839	1844	rBV	1928713	2443036	78.56%	10.987%
20	13.774	1959	1969	1986	rVB7	137738	642137	20.65%	2.888%
21	13.904	1987	1991	2002	rBV	77313	154260	4.96%	0.694%
22	14.063	2013	2018	2030	rVB	739158	973350	31.30%	4.377%
23	15.551	2266	2271	2284	rVB	428011	714259	22.97%	3.212%

Sum of corrected areas: 22235646

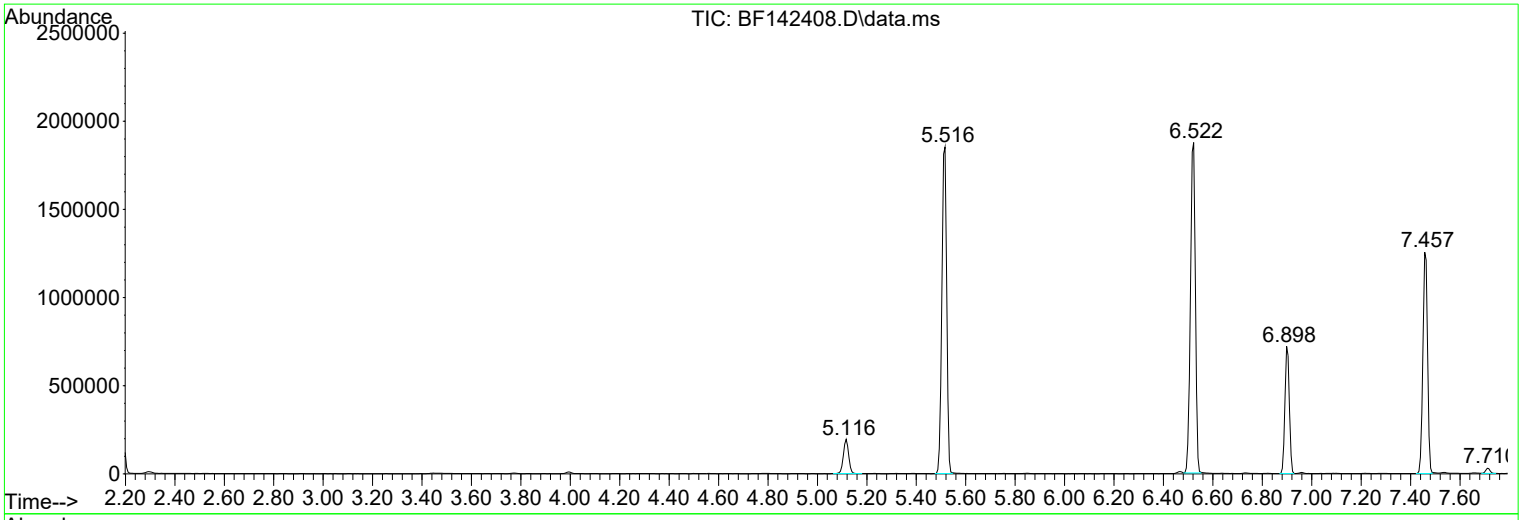
Sample Results: **BF142408.D**

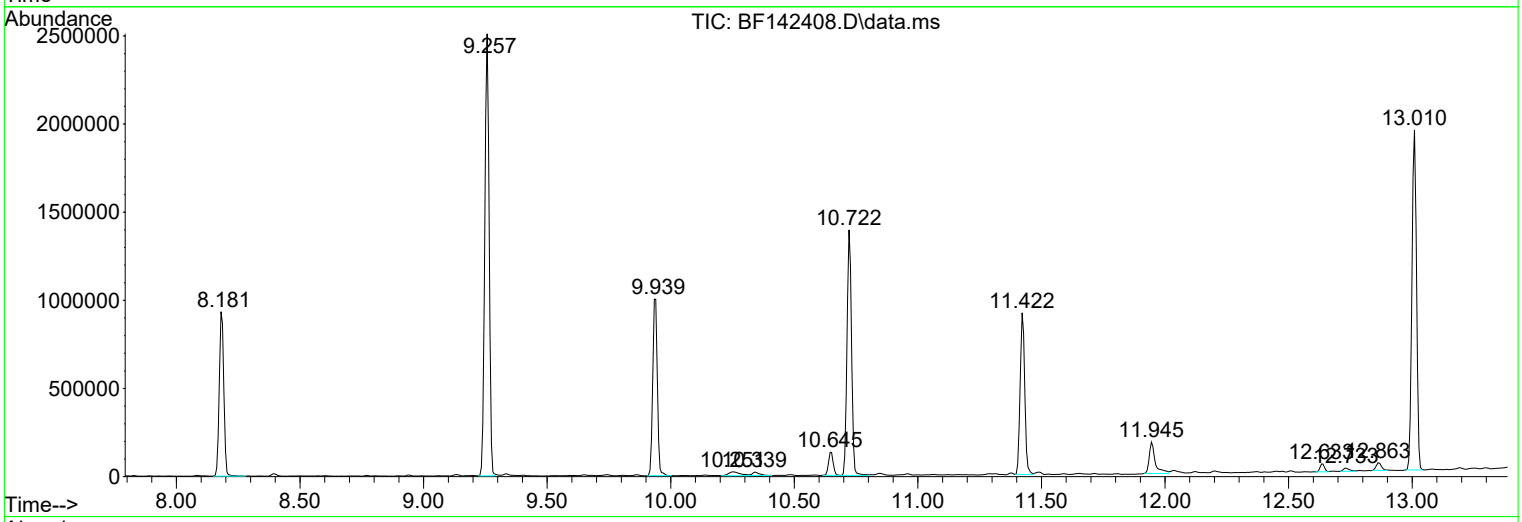
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142408.D
Acq On : 15 May 2025 23:01
Operator : RC/JU
Sample : Q1982-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

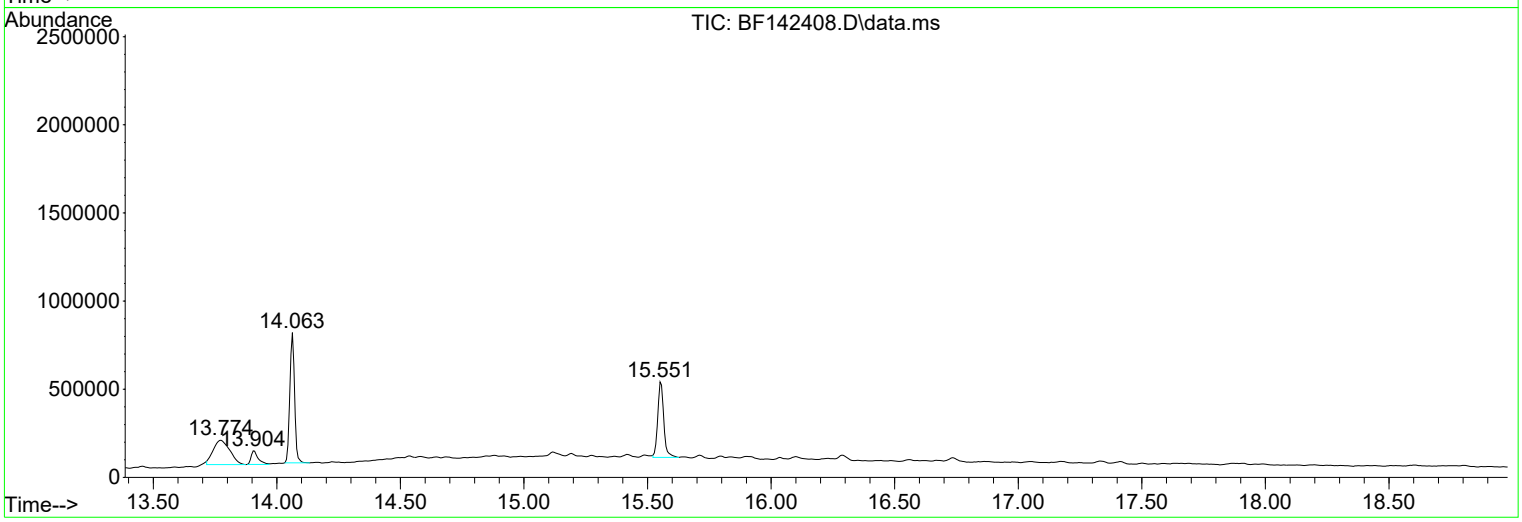
Instrument :
BNA_F
ClientSampleId :
TP-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.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\BF051525\
Data File : BF142408.D
Acq On : 15 May 2025 23:01
Operator : RC/JU
Sample : Q1982-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-5

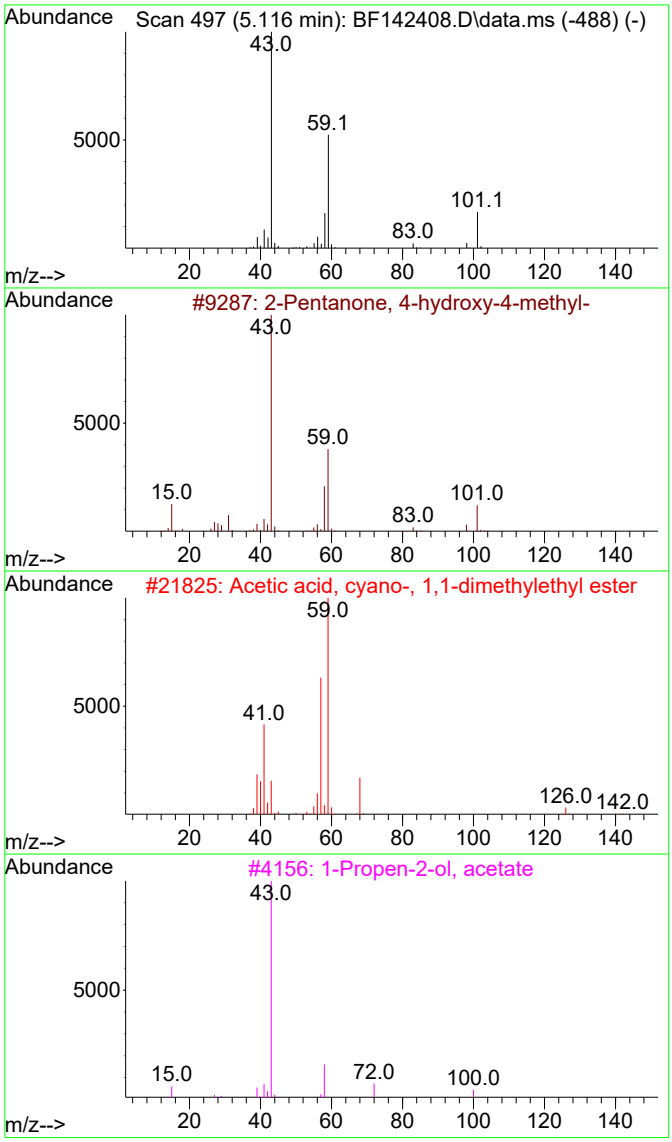
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

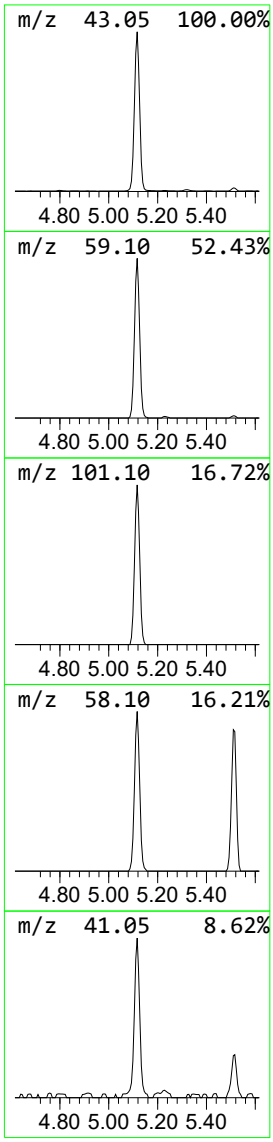
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.116	6.53 ng	290764	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142408.D
Acq On : 15 May 2025 23:01
Operator : RC/JU
Sample : Q1982-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

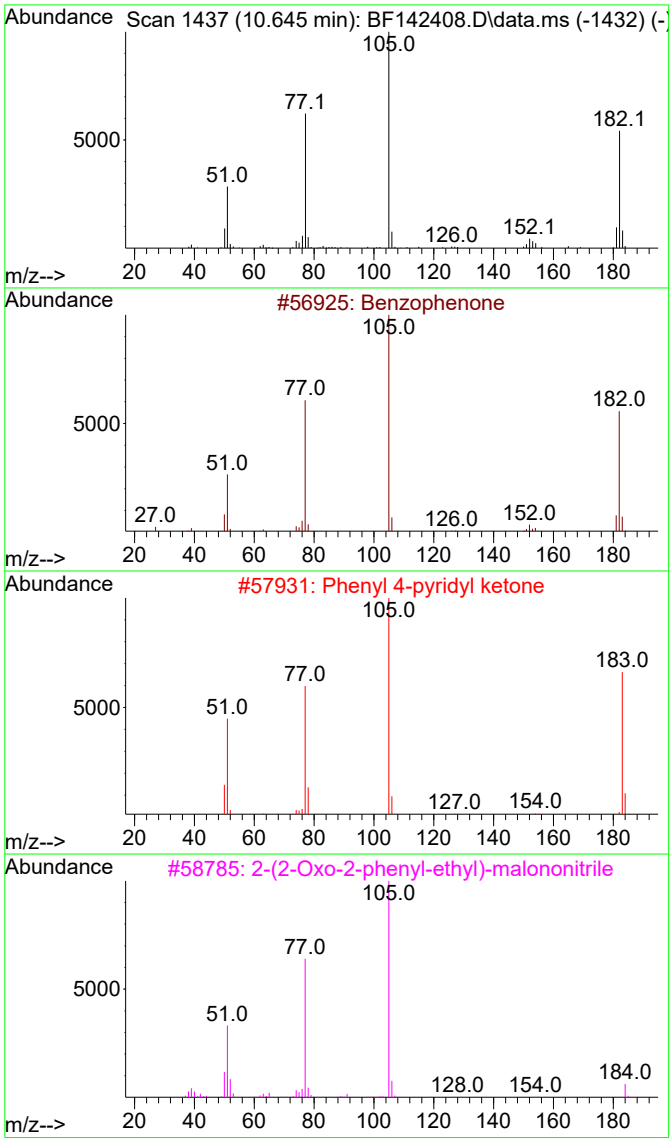
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TIC Integration Parameters: LSCINT.P

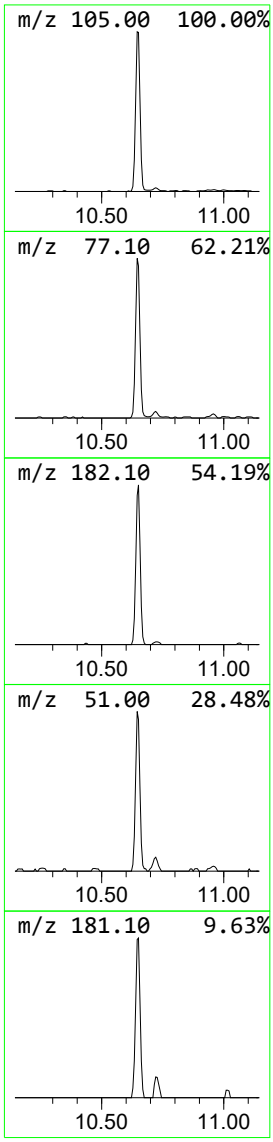
****

Peak Number 2 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.645	2.64 ng	172991	Acenaphthene-d10	9.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	58
3	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	53
4	Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	47
5	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142408.D
Acq On : 15 May 2025 23:01
Operator : RC/JU
Sample : Q1982-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

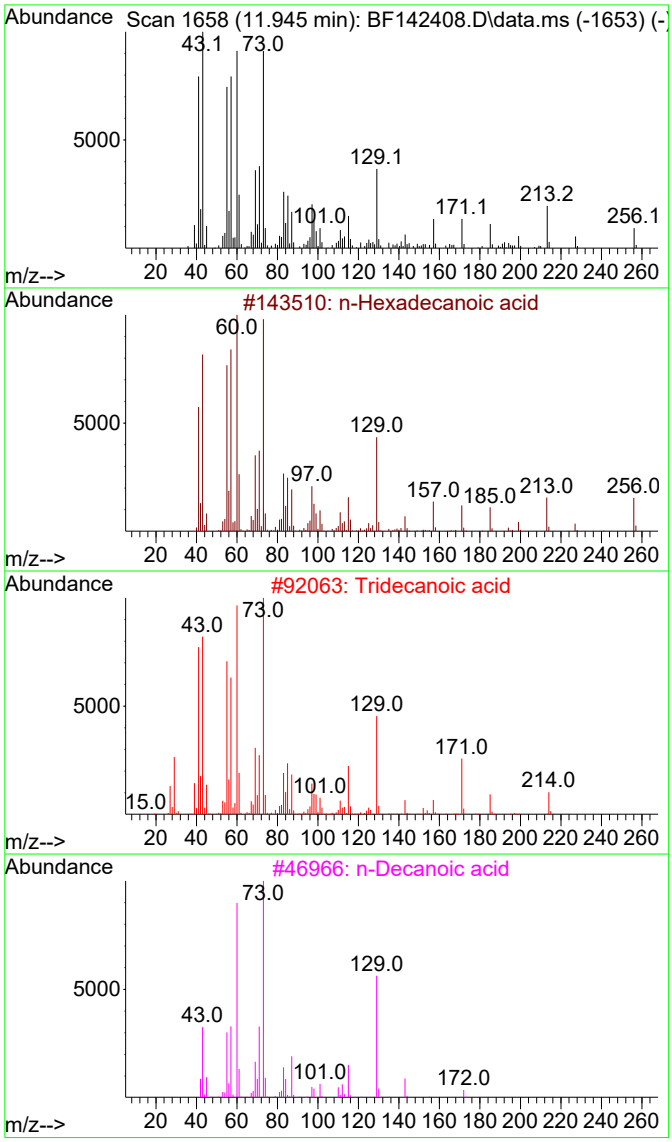
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

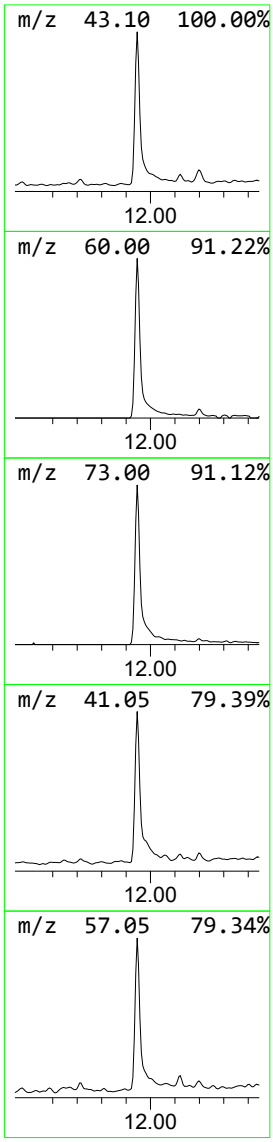
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	5.11 ng	302276	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	94
3	n-Decanoic acid	172	C10H20O2	000334-48-5	90
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
5	Dodecanoic acid	200	C12H24O2	000143-07-7	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142408.D
Acq On : 15 May 2025 23:01
Operator : RC/JU
Sample : Q1982-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-5

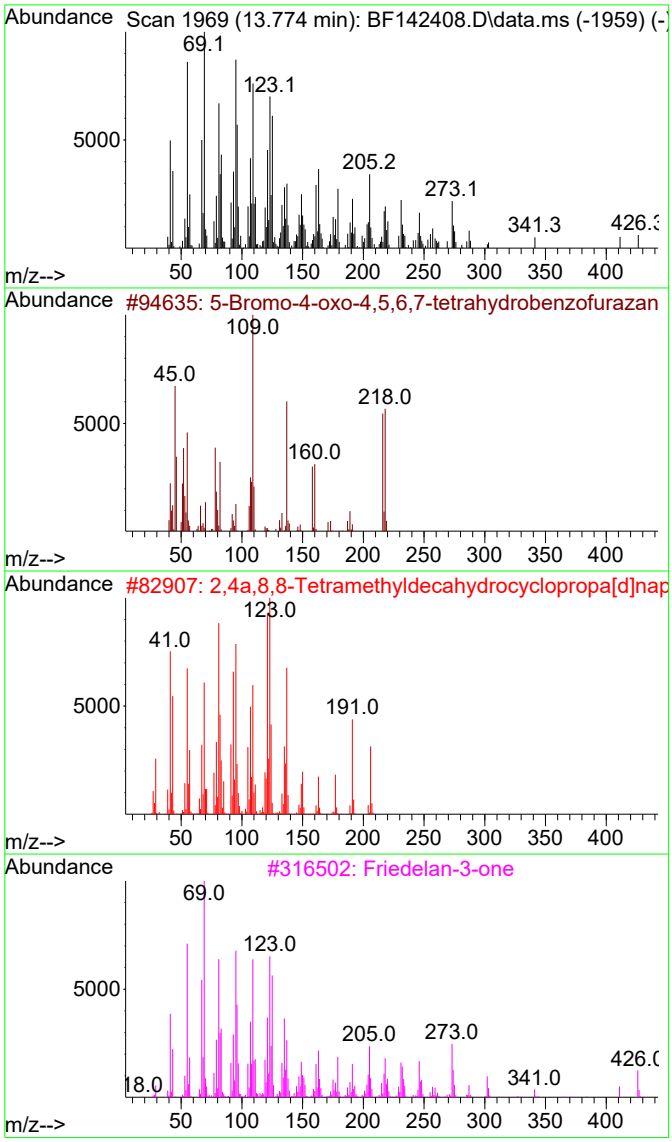
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

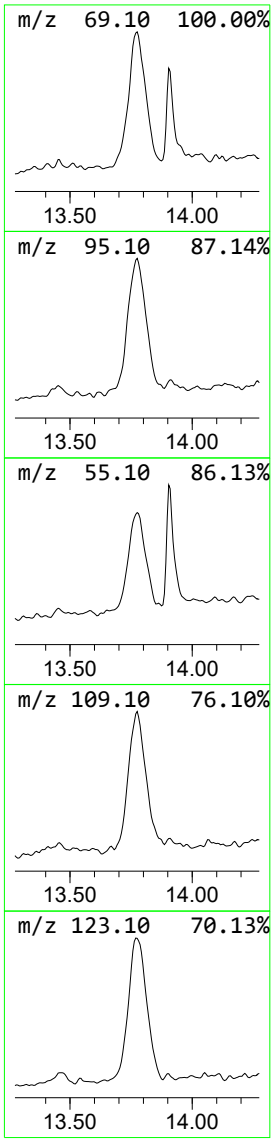
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 5-Bromo-4-oxo-4,5,6,7-tetra... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.774	13.19 ng	642137	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216	C6H5BrN2O2	300574-36-1	68
2	2,4a,8,8-Tetramethyldecahydrocyc...	206	C15H26	074022-04-1	64
3	Friedelan-3-one	426	C30H50O	000559-74-0	62
4	(-)-Neoclovene-(II), dihydro-	206	C15H26	1000152-83-6	45
5	1,1,6-trimethyl-3-methylene-2-(3...	452	C33H56	1000373-94-5	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142408.D
Acq On : 15 May 2025 23:01
Operator : RC/JU
Sample : Q1982-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

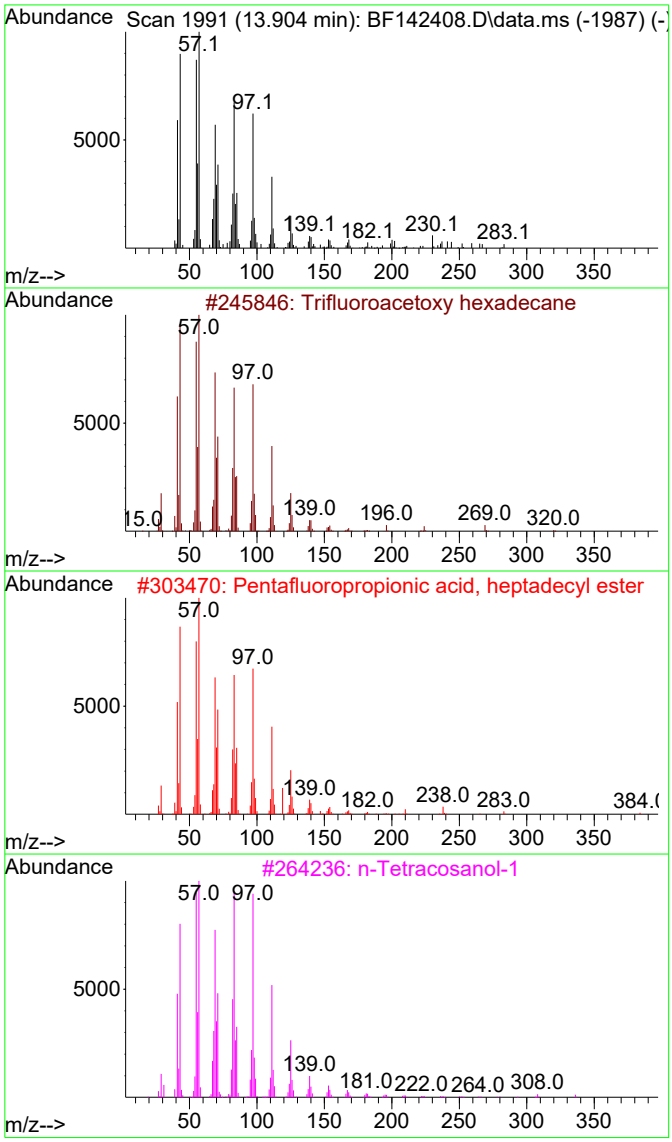
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

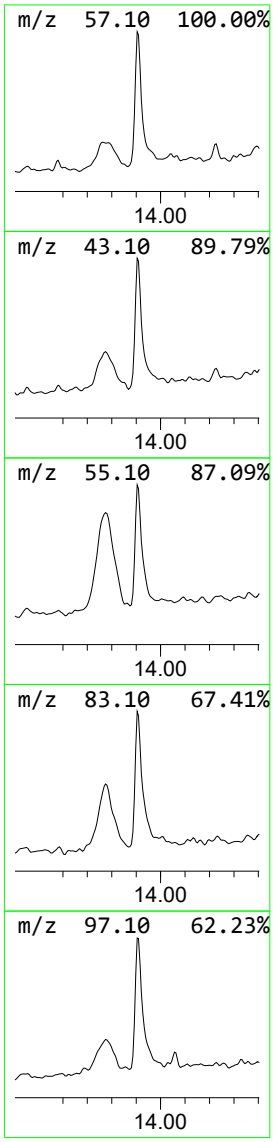
****

Peak Number 5 Trifluoroacetoxy hexadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	3.17 ng	154260	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	95
2	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	94
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	93
4	1-Octadecene	252	C18H36	000112-88-9	93
5	1-Heneicosanol	312	C21H44O	015594-90-8	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142408.D
Acq On : 15 May 2025 23:01
Operator : RC/JU
Sample : Q1982-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.116	6.5	ng	290764	1	6.898	890517	20.0
Benzophenone	10.645	2.6	ng	172991	3	9.939	1308650	20.0
n-Hexadecanoic ...	11.945	5.1	ng	302276	4	11.422	1182170	20.0
5-Bromo-4-oxo-4...	13.774	13.2	ng	642137	5	14.063	973350	20.0
Trifluoroacetox...	13.904	3.2	ng	154260	5	14.063	973350	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142399.D
Acq On : 15 May 2025 18:40
Operator : RC/JU
Sample : Q1982-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-6

Quant Time: May 16 01:07:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

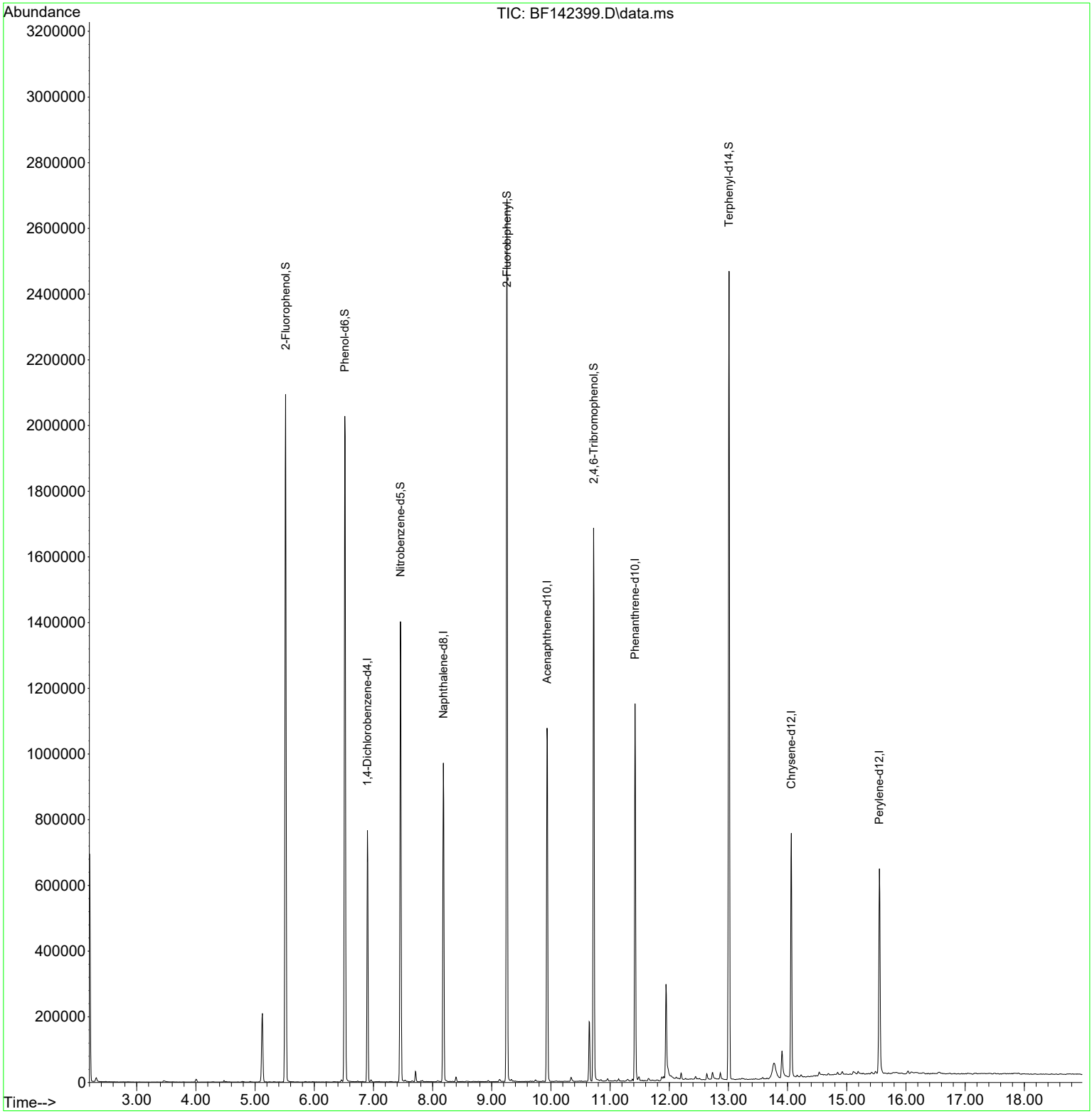
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	163201	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	621833	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	334642	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	592254	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	358051	20.000	ng	0.00
86) Perylene-d12	15.551	264	361581	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	810547	84.783	ng	0.00
7) Phenol-d6	6.516	99	989640	84.165	ng	0.00
23) Nitrobenzene-d5	7.457	82	596626	58.515	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	305587	94.582	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1216752	51.845	ng	0.00
79) Terphenyl-d14	13.010	244	1196724	49.470	ng	0.00
Target Compounds						Qvalue

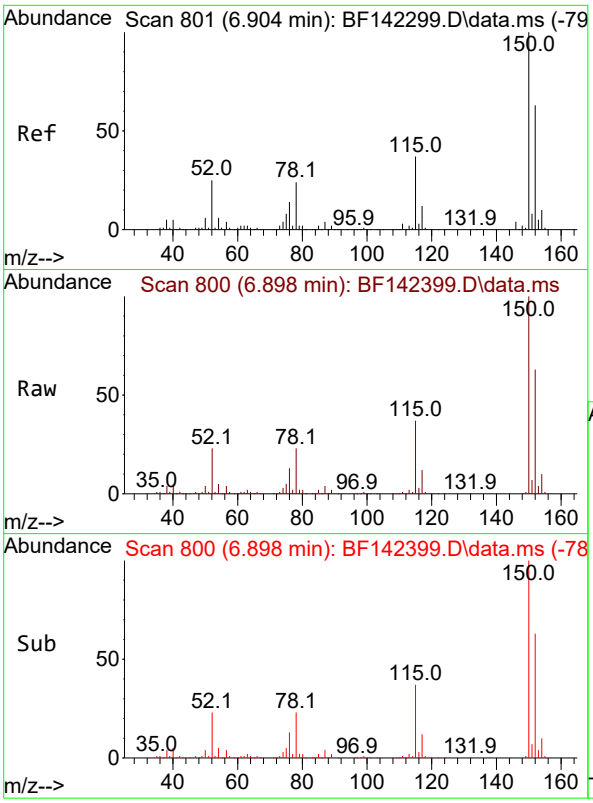
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142399.D
Acq On : 15 May 2025 18:40
Operator : RC/JU
Sample : Q1982-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-6

Quant Time: May 16 01:07:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration



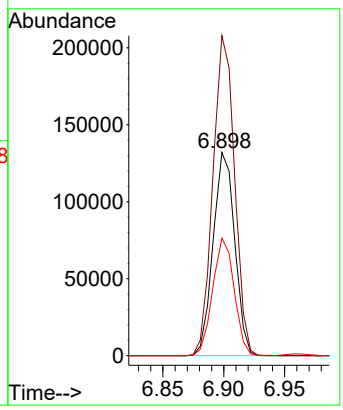


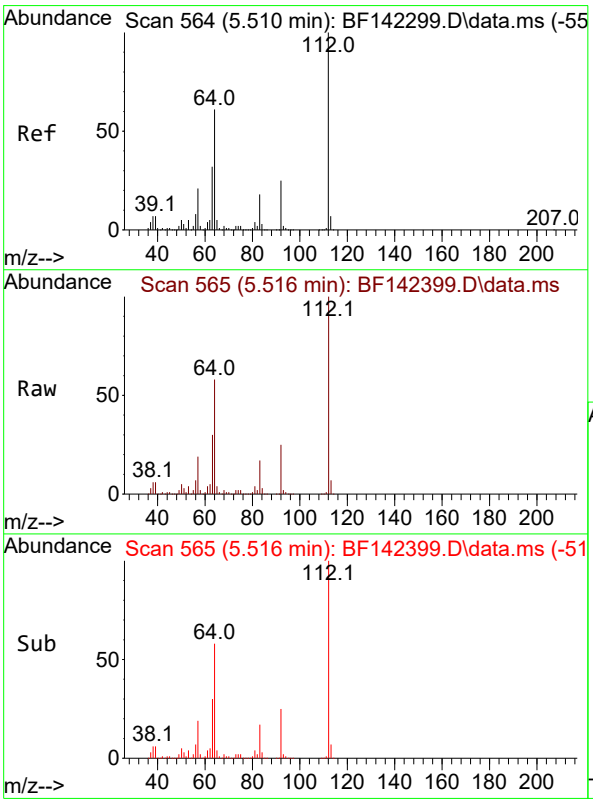
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

Instrument :
BNA_F
ClientSampleId :
TP-6

Tgt Ion:152 Resp: 163201

Ion	Ratio	Lower	Upper
152	100		
150	157.5	126.6	190.0
115	57.8	47.3	70.9

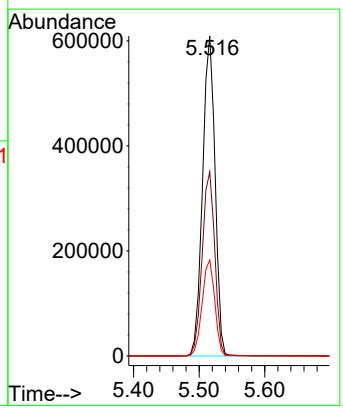


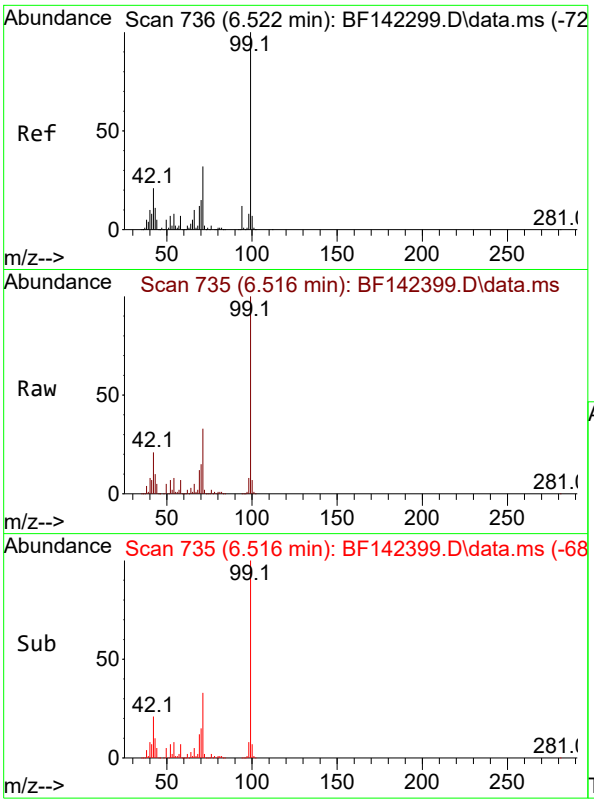


#5
2-Fluorophenol
Concen: 84.783 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

Tgt Ion:112 Resp: 810547

Ion	Ratio	Lower	Upper
112	100		
64	57.6	48.9	73.3
63	30.0	25.6	38.4



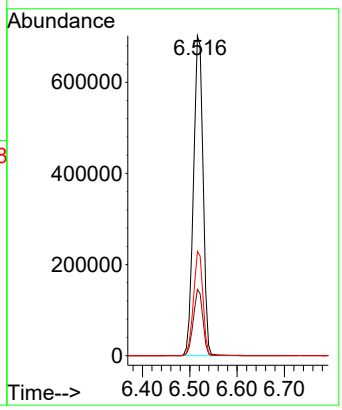


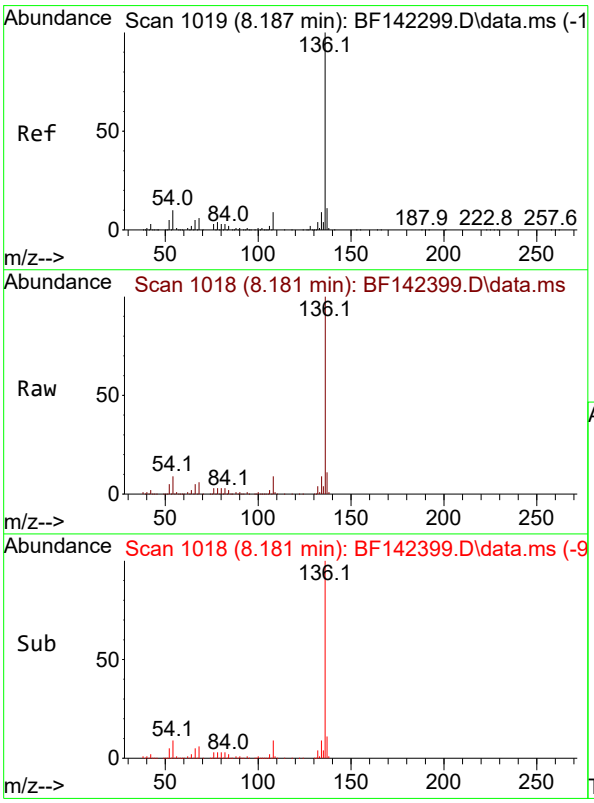
#7
Phenol-d6
Concen: 84.165 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

Instrument :
BNA_F
ClientSampleId :
TP-6

Tgt Ion: 99 Resp: 989640

Ion	Ratio	Lower	Upper
99	100		
42	20.7	17.0	25.4
71	32.6	25.8	38.8

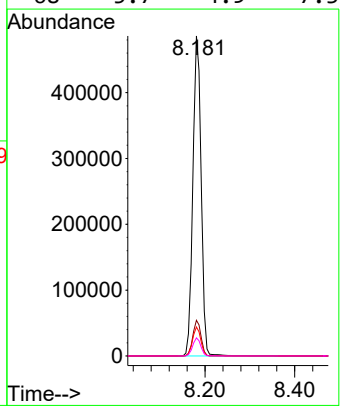


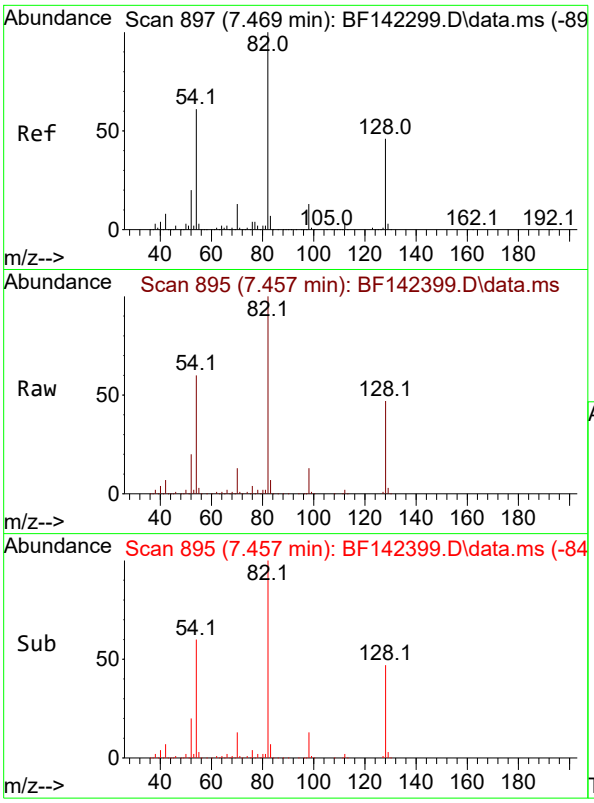


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

Tgt Ion:136 Resp: 621833

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.0	7.7	11.5
68	5.7	4.9	7.3



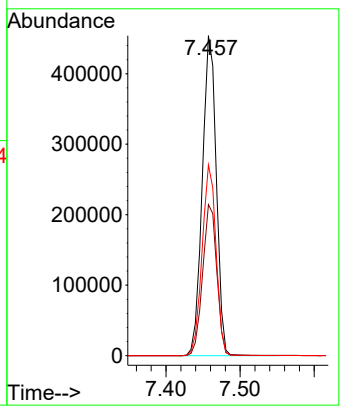


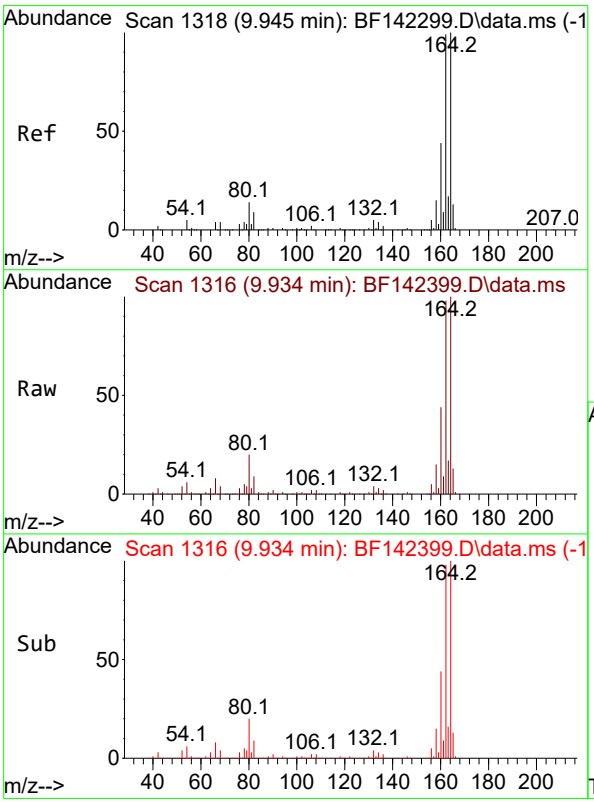
#23
Nitrobenzene-d5
Concen: 58.515 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

Instrument :
BNA_F
ClientSampleId :
TP-6

Tgt Ion: 82 Resp: 596626

Ion	Ratio	Lower	Upper
82	100		
128	47.2	37.0	55.6
54	59.6	48.6	73.0

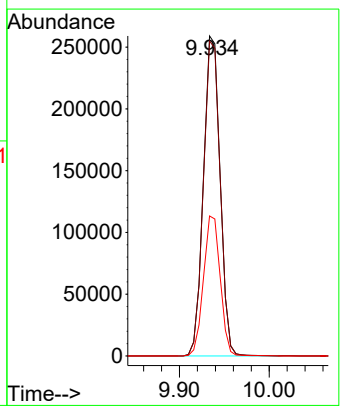


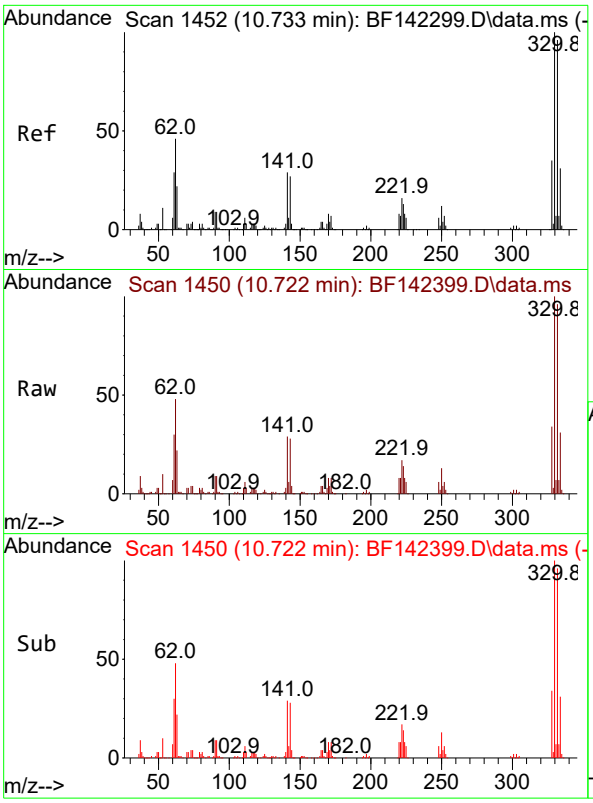


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.011 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

Tgt Ion:164 Resp: 334642

Ion	Ratio	Lower	Upper
164	100		
162	98.4	79.2	118.8
160	43.8	35.3	52.9



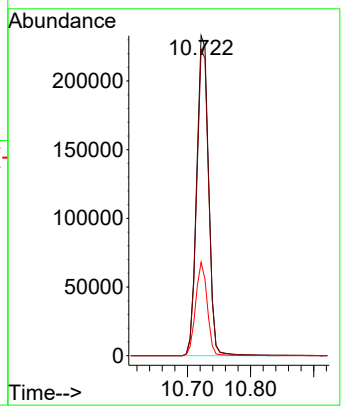


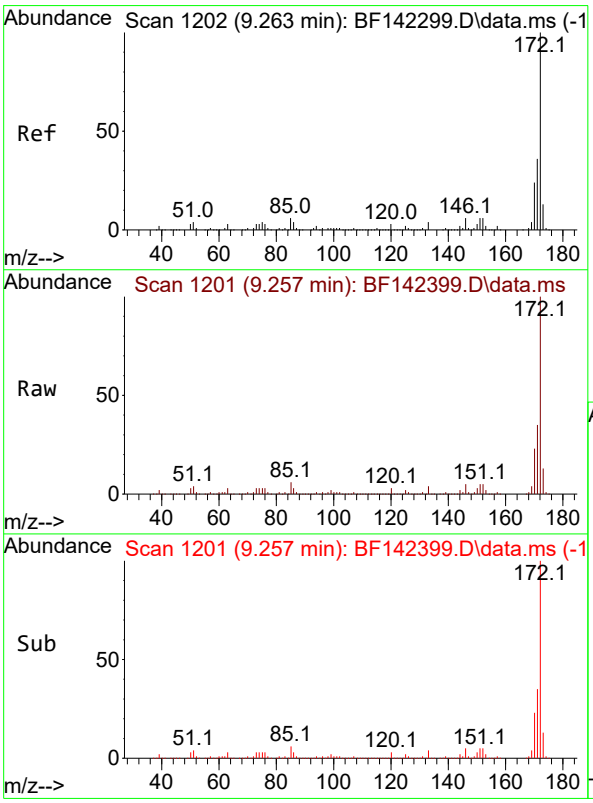
#42
2,4,6-Tribromophenol
Concen: 94.582 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

Instrument :
BNA_F
ClientSampleId :
TP-6

Tgt Ion:330 Resp: 305587

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.8	115.2
141	28.4	24.9	37.3

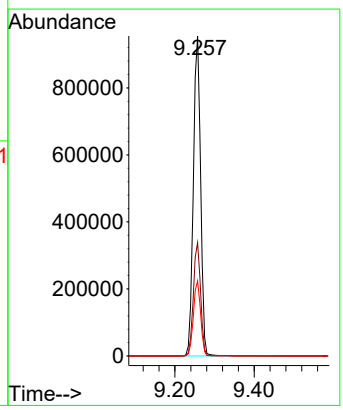


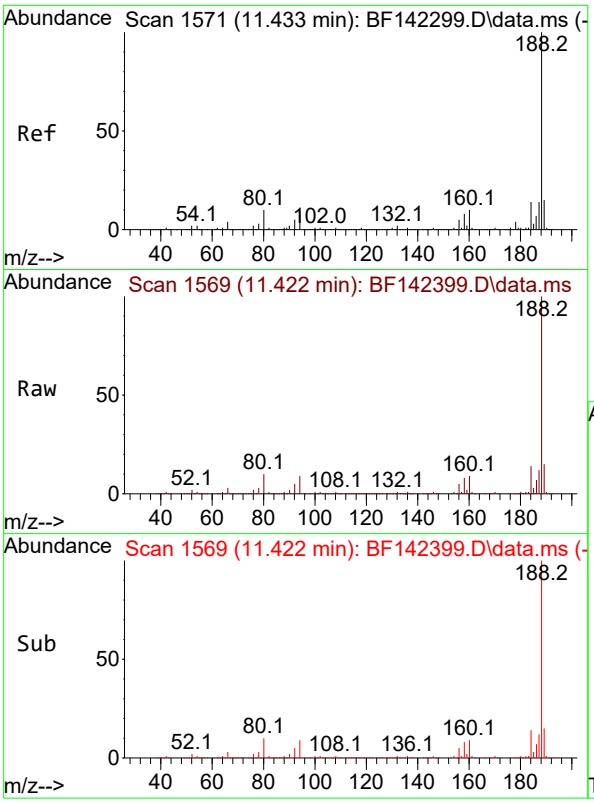


#45
2-Fluorobiphenyl
Concen: 51.845 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

Tgt Ion:172 Resp: 1216752

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	42.8
170	23.5	19.0	28.4



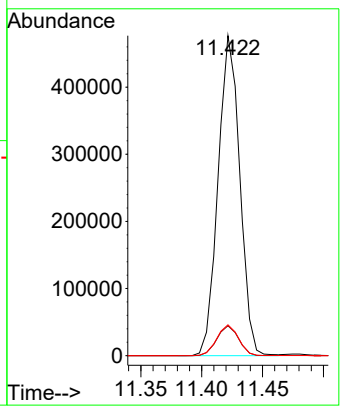


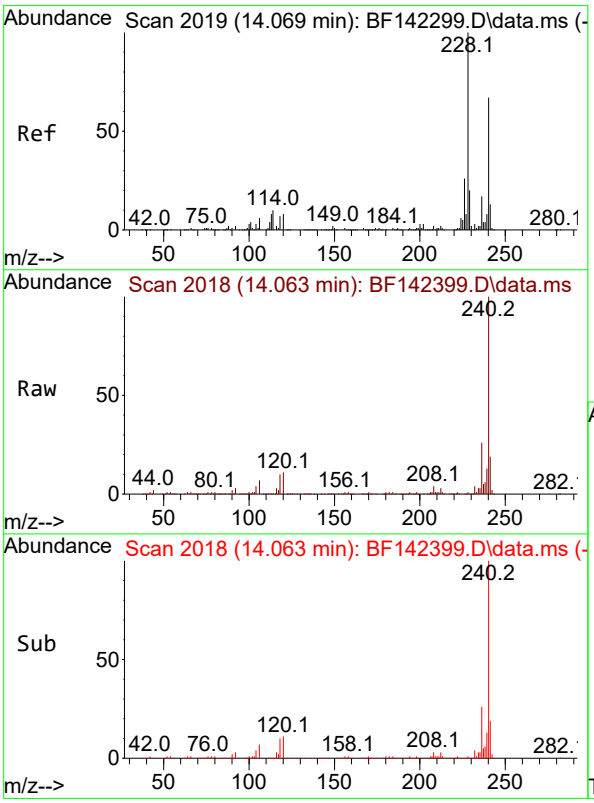
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

Instrument :
BNA_F
ClientSampleId :
TP-6

Tgt Ion:188 Resp: 592254

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.5	11.3
80	9.6	7.9	11.9

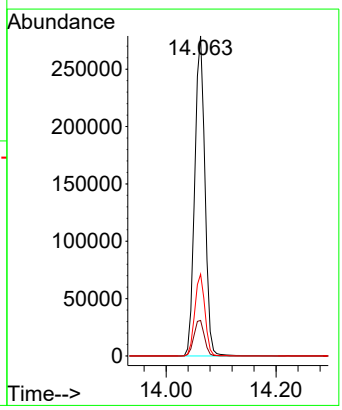


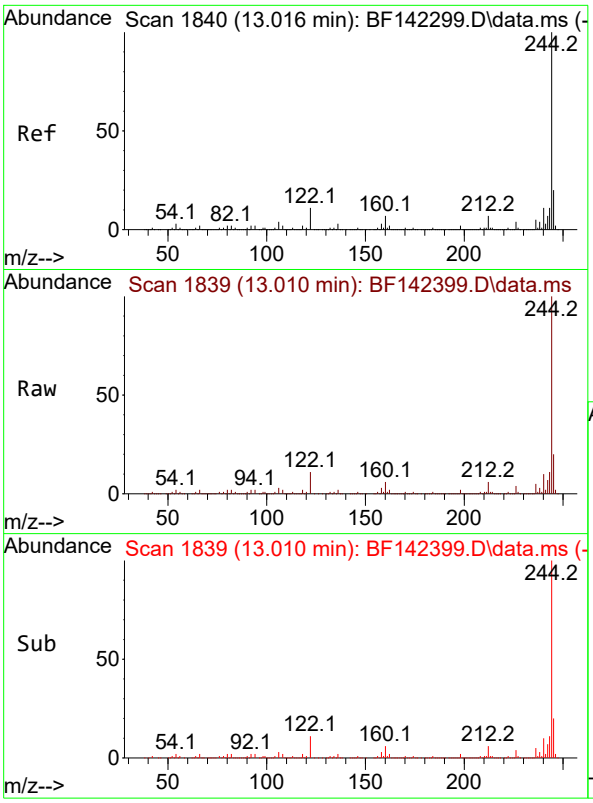


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

Tgt Ion:240 Resp: 358051

Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.7	14.5
236	25.6	20.0	30.0



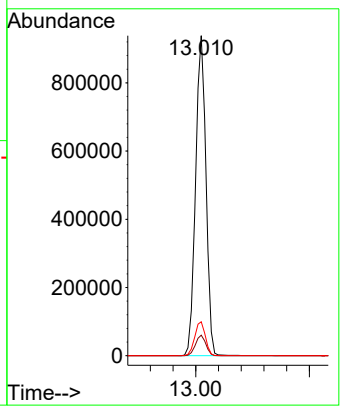


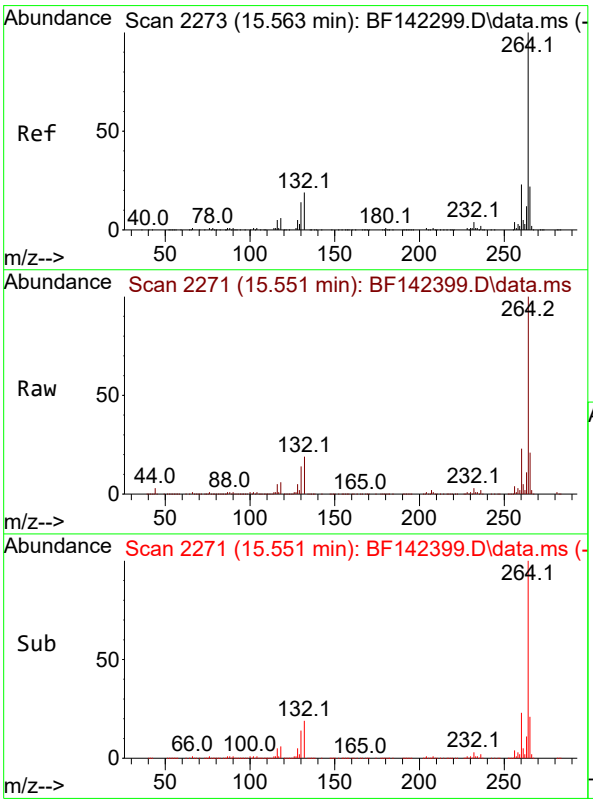
#79
Terphenyl-d14
Concen: 49.470 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

Instrument :
BNA_F
ClientSampleId :
TP-6

Tgt Ion:244 Resp: 1196724

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.2
122	10.6	9.0	13.4

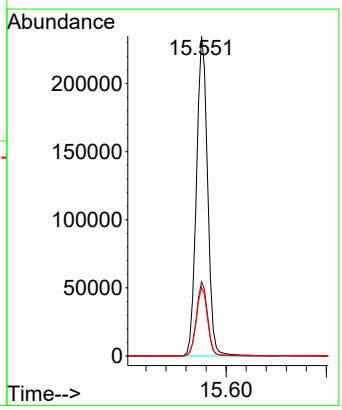




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

Tgt Ion:264 Resp: 361581

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	27.8
265	21.4	17.5	26.3



Sample Results: **BF142399.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142399.D
Acq On : 15 May 2025 18:40
Operator : RC/JU
Sample : Q1982-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-6

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142399.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.122	489	498	507	rVB	208656	315972	9.26%	1.286%
2	5.516	558	565	570	rBV	2092791	2790000	81.73%	11.357%
3	6.516	729	735	741	rBV	2025507	2854738	83.63%	11.620%
4	6.898	795	800	805	rBV	765173	940308	27.55%	3.827%
5	7.457	889	895	900	rBV	1401462	1837044	53.82%	7.478%
6	7.710	934	938	950	rVB	31545	41024	1.20%	0.167%
7	8.181	1012	1018	1024	rBV	970038	1226186	35.92%	4.991%
8	9.257	1195	1201	1206	rBV	2686263	3413562	100.00%	13.895%
9	9.934	1311	1316	1326	rBV	1075782	1387881	40.66%	5.649%
10	10.645	1432	1437	1445	rBV	181174	233675	6.85%	0.951%
11	10.722	1445	1450	1461	rBV	1683625	2162380	63.35%	8.802%
12	11.422	1564	1569	1576	rBV	1147505	1436800	42.09%	5.848%
13	11.945	1653	1658	1671	rBV2	284533	430550	12.61%	1.753%
14	12.733	1787	1792	1799	rBV2	19910	34374	1.01%	0.140%
15	13.010	1833	1839	1844	rBV	2461012	3146367	92.17%	12.807%
16	13.769	1953	1968	1986	rBV9	47471	225222	6.60%	0.917%
17	13.904	1986	1991	2003	rBV	81437	153292	4.49%	0.624%
18	14.063	2012	2018	2031	rVB	741424	979849	28.70%	3.988%
19	15.551	2265	2271	2284	rVB	622422	957969	28.06%	3.899%

Sum of corrected areas: 24567193

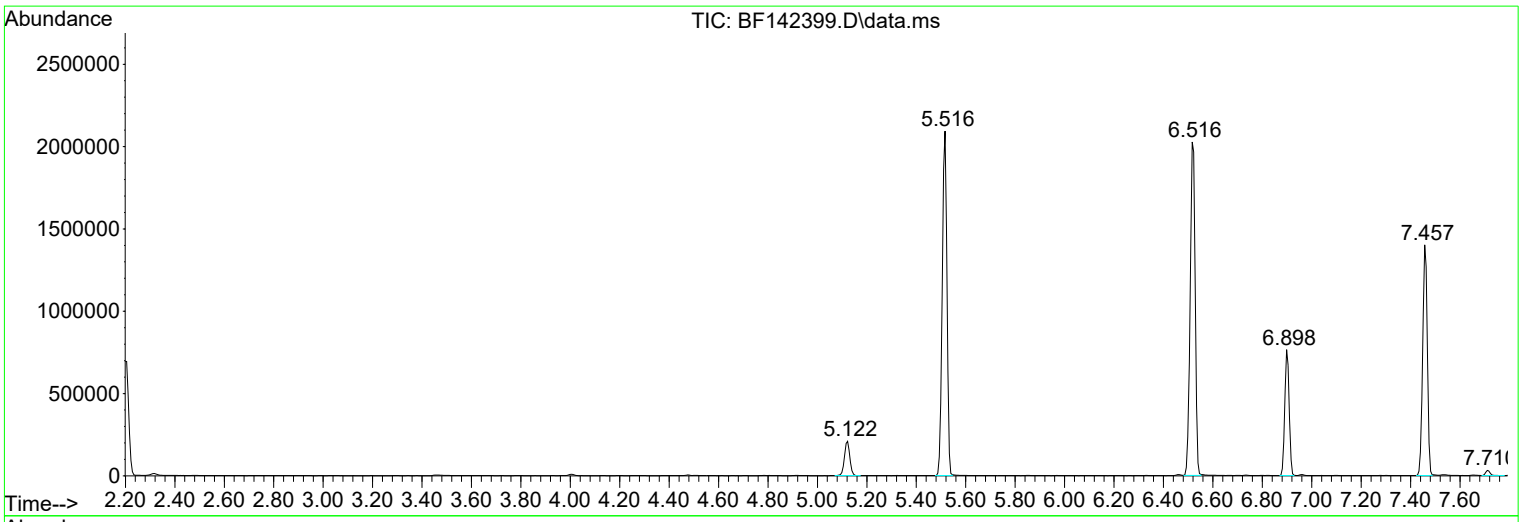
Sample Results: **BF142399.D**

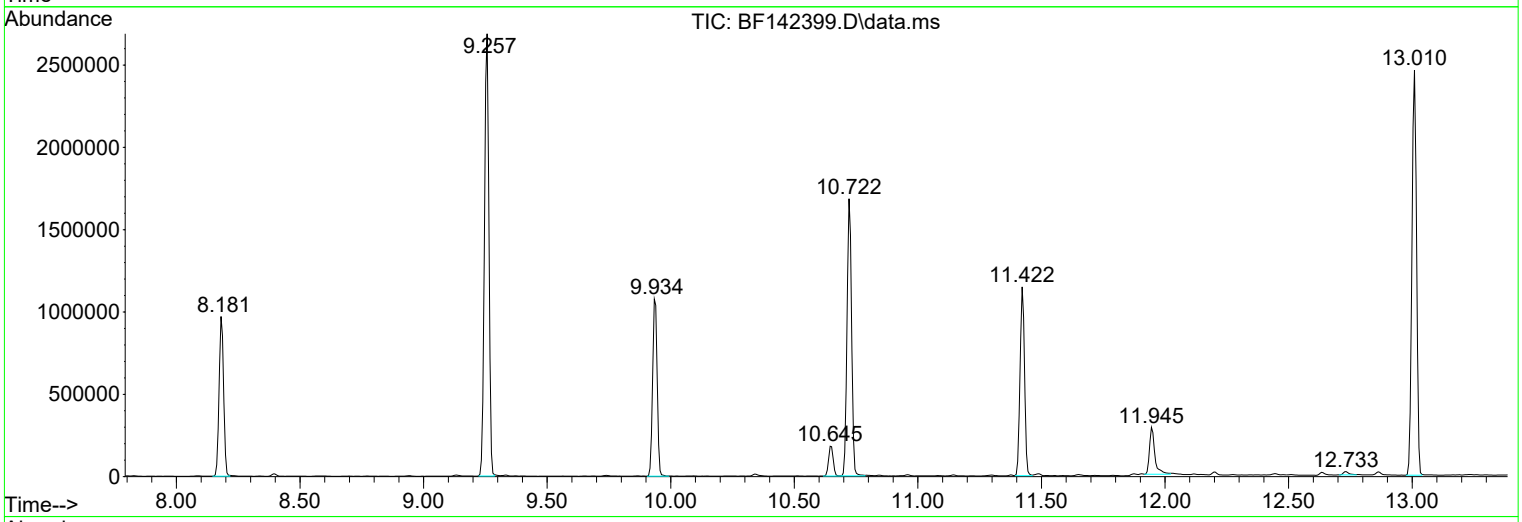
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142399.D
Acq On : 15 May 2025 18:40
Operator : RC/JU
Sample : Q1982-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

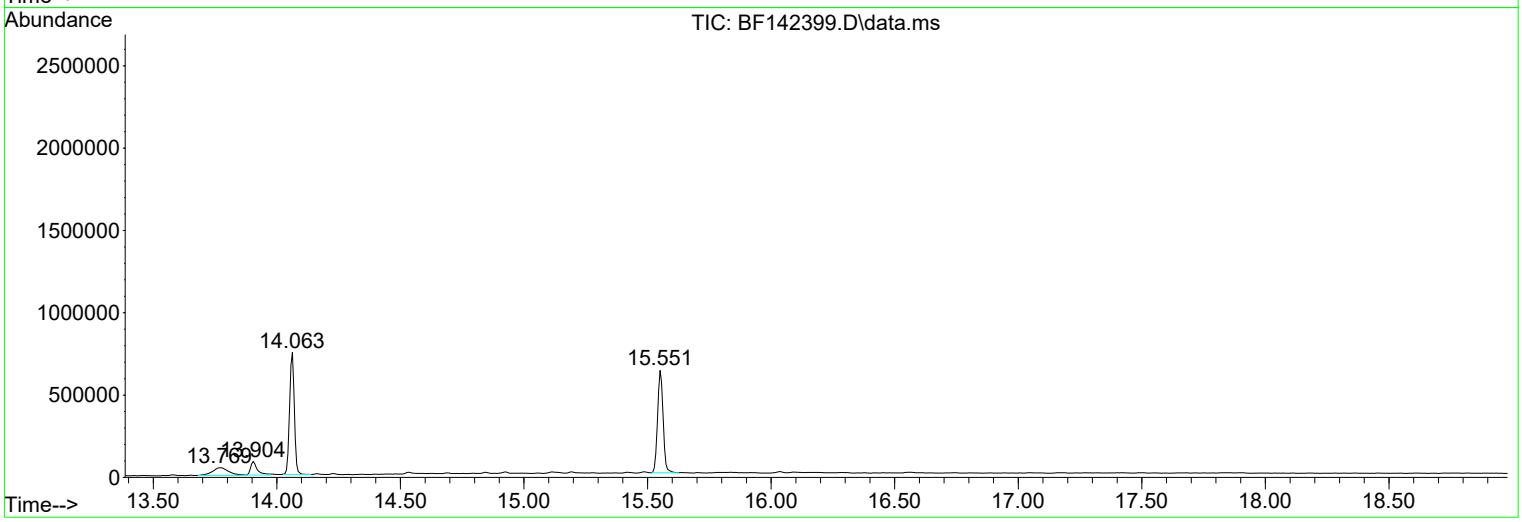
Instrument :
BNA_F
ClientSampleId :
TP-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.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\BF051525\
Data File : BF142399.D
Acq On : 15 May 2025 18:40
Operator : RC/JU
Sample : Q1982-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-6

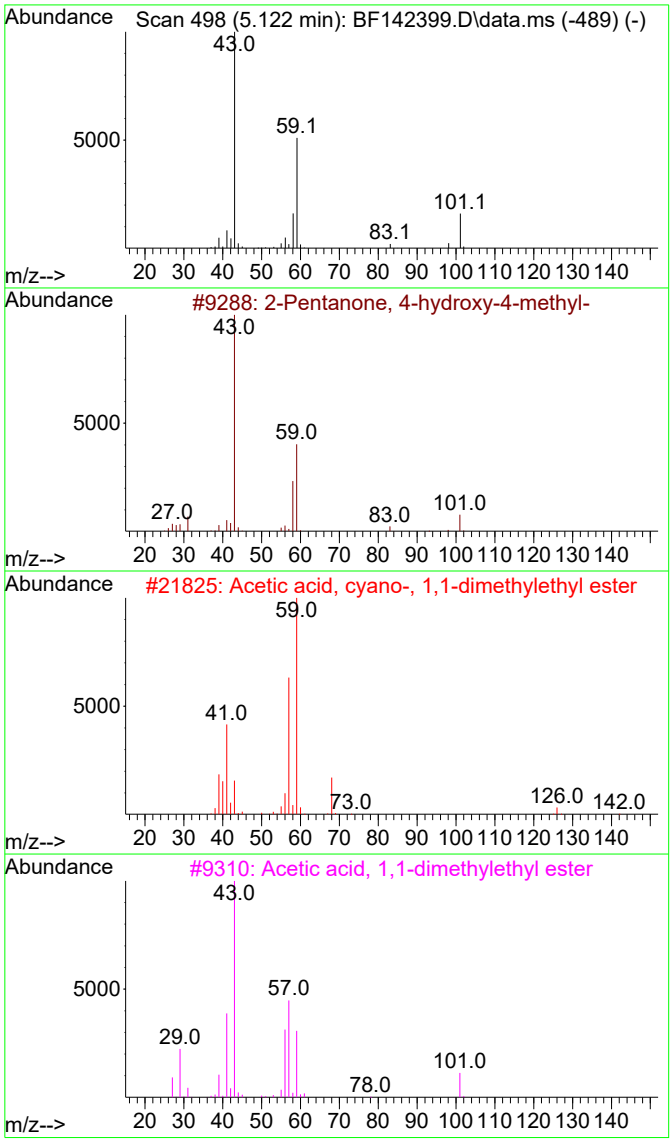
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

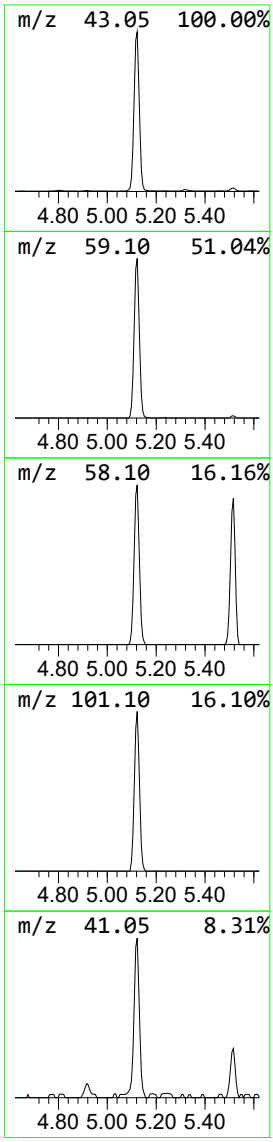
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.122	6.72 ng	315972	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	37
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142399.D
Acq On : 15 May 2025 18:40
Operator : RC/JU
Sample : Q1982-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

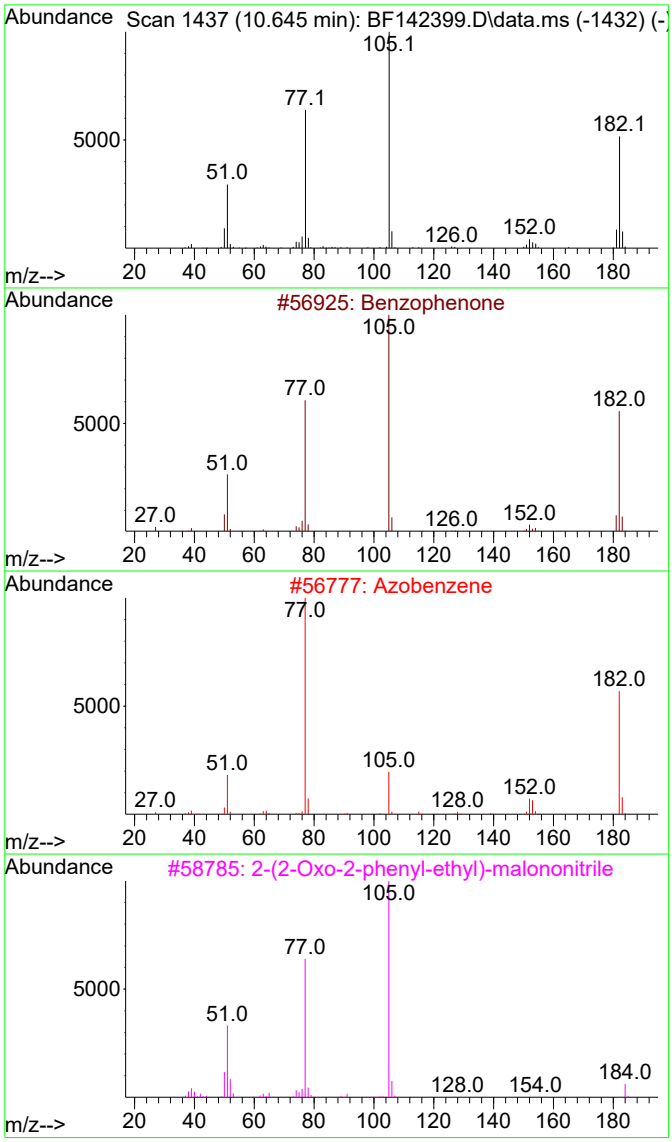
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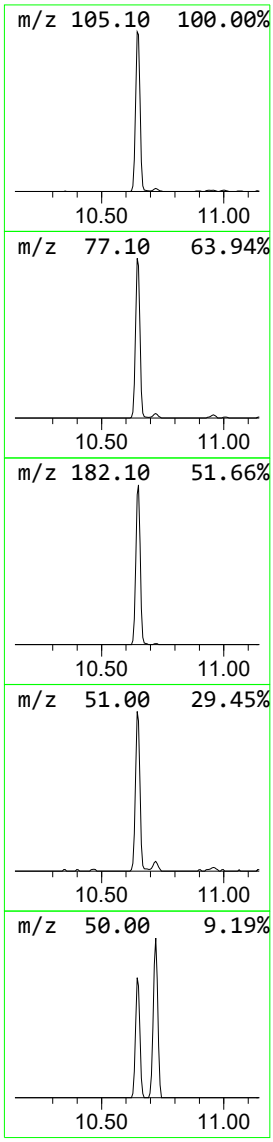
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Peak Number 2 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.645	3.37 ng	233675	Acenaphthene-d10	9.934

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	58
3	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	50
4	N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	50
5	2-Phenyl-4-ethylidene-2-oxazolin...	187	C11H9NO2	037791-41-6	50





```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142399.D
Acq On    : 15 May 2025  18:40
Operator  : RC/JU
Sample    : Q1982-06
Misc      :
ALS Vial  : 8   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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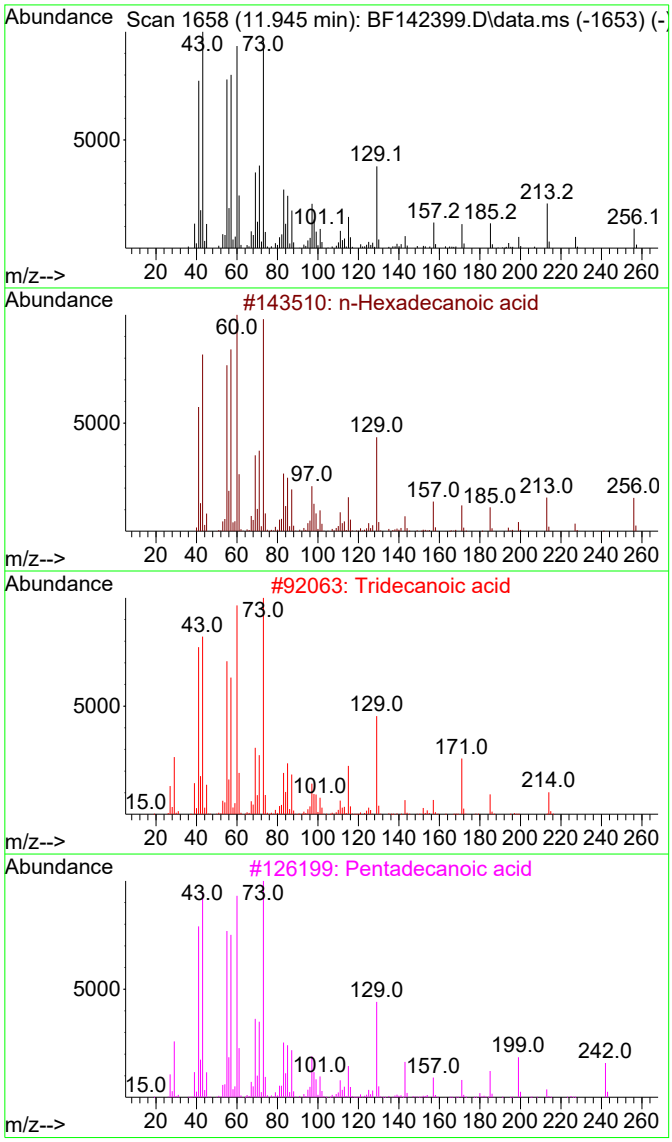
Instrument : BNA_F
ClientSampleId : TP-6

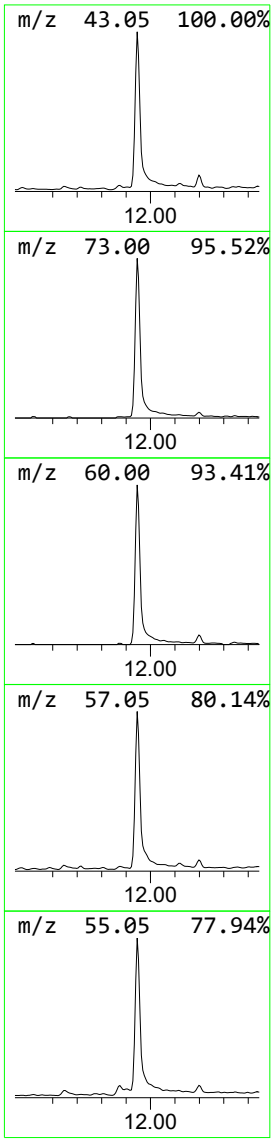
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	5.99 ng	430550	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5	Undecanoic acid	186	C11H22O2	000112-37-8	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142399.D
Acq On : 15 May 2025 18:40
Operator : RC/JU
Sample : Q1982-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-6

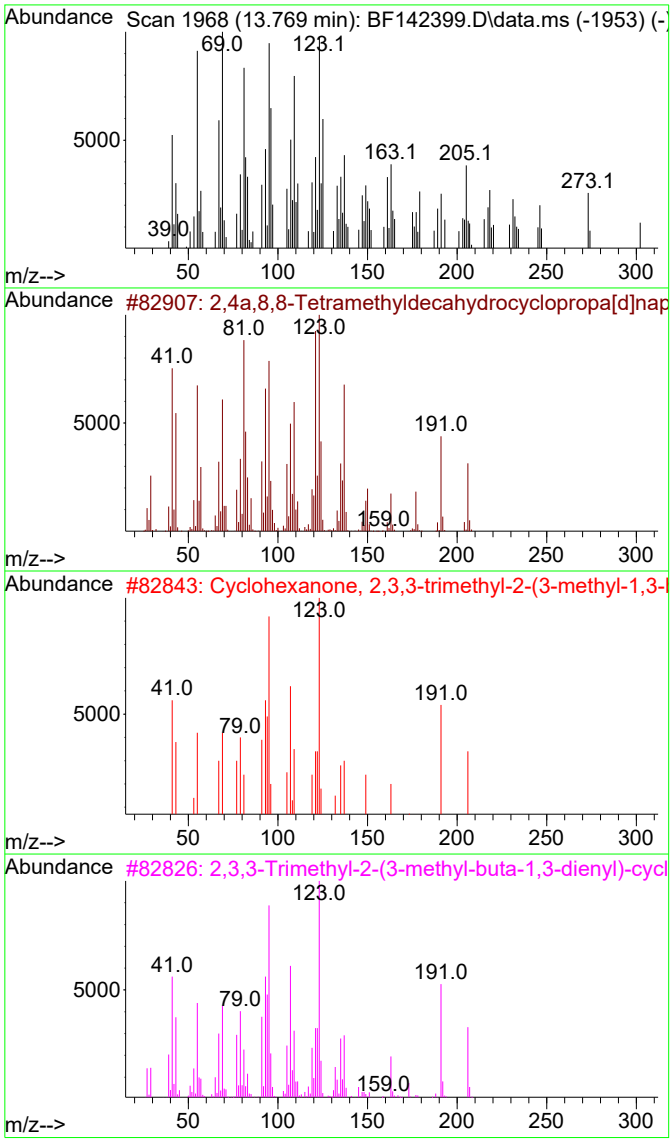
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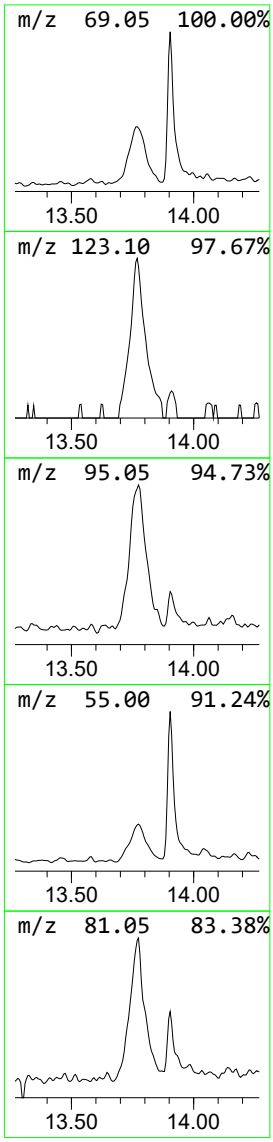
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 2,4a,8,8-Tetramethyldecahyd... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.769	4.60 ng	225222	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4a,8,8-Tetramethyldecahydrocyc...	206	C15H26	074022-04-1	70
2	Cyclohexanone, 2,3,3-trimethyl-2...	206	C14H22O	069296-90-8	64
3	2,3,3-Trimethyl-2-(3-methyl-buta...	206	C14H22O	1000193-60-6	50
4	Silane, monochloride, methylviny...	218	C10H19ClOSi	1000421-06-3	50
5	6.beta.Bicyclo[4.3.0]nonane, 5.b...	332	C15H25I	1000195-85-9	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142399.D
Acq On : 15 May 2025 18:40
Operator : RC/JU
Sample : Q1982-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-6

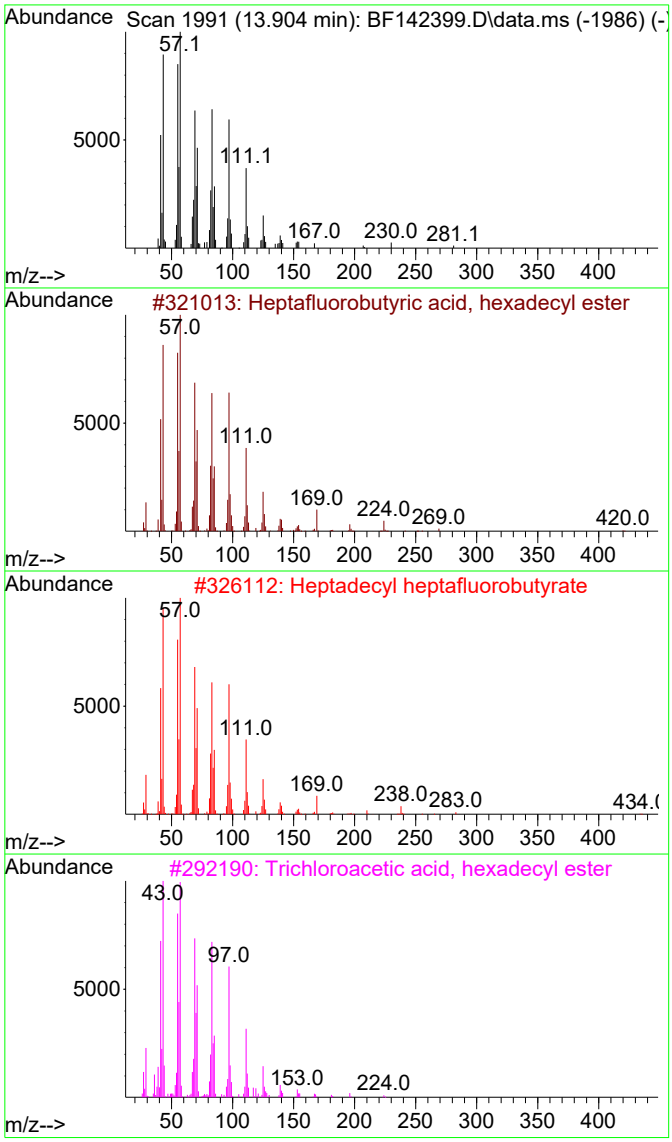
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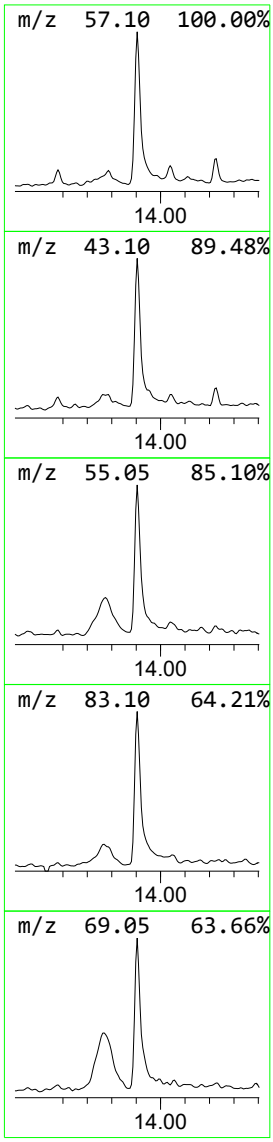
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Heptafluorobutyric acid, he... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	3.13 ng	153292	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	95
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	95
3	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	95
4	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	95
5	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142399.D
Acq On : 15 May 2025 18:40
Operator : RC/JU
Sample : Q1982-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.122	6.7	ng	315972	1	6.898	940308	20.0
Benzophenone	10.645	3.4	ng	233675	3	9.934	1387880	20.0
n-Hexadecanoic ...	11.945	6.0	ng	430550	4	11.422	1436800	20.0
2,4a,8,8-Tetram...	13.769	4.6	ng	225222	5	14.063	979849	20.0
Heptafluorobuty...	13.904	3.1	ng	153292	5	14.063	979849	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142406.D
Acq On : 15 May 2025 22:04
Operator : RC/JU
Sample : Q1982-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-8

Quant Time: May 16 01:10:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

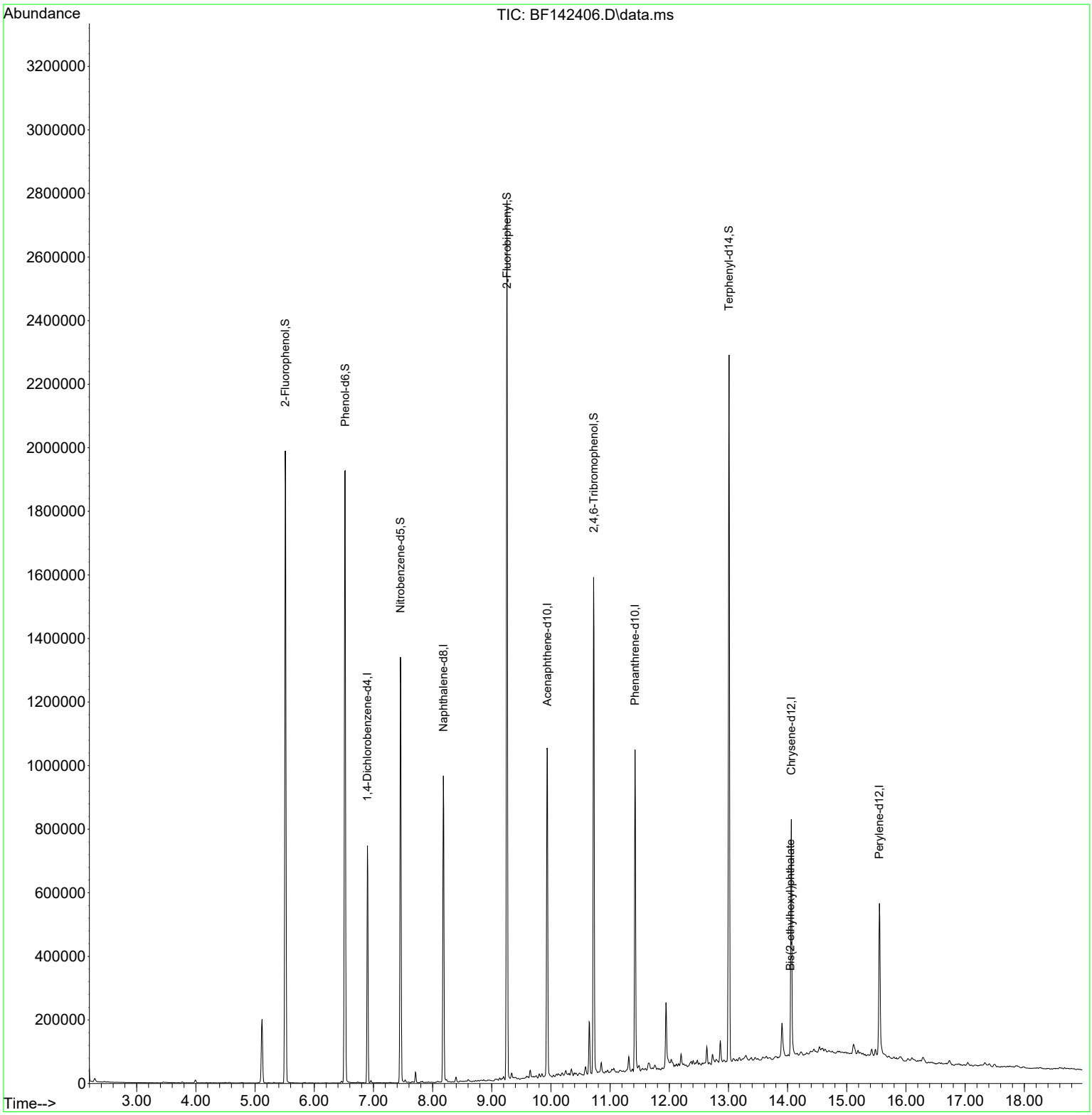
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	160071	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	605054	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	320606	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	518248	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	355689	20.000	ng	0.00
86) Perylene-d12	15.551	264	278675	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	782072	83.404	ng	0.00
7) Phenol-d6	6.522	99	949734	82.350	ng	0.00
23) Nitrobenzene-d5	7.457	82	564669	56.916	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	283820	91.691	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1233046	54.839	ng	0.00
79) Terphenyl-d14	13.010	244	1076746	44.806	ng	0.00
Target Compounds						Qvalue
84) Bis(2-ethylhexyl)phtha...	14.045	149	1802	4.374	ng	# 85

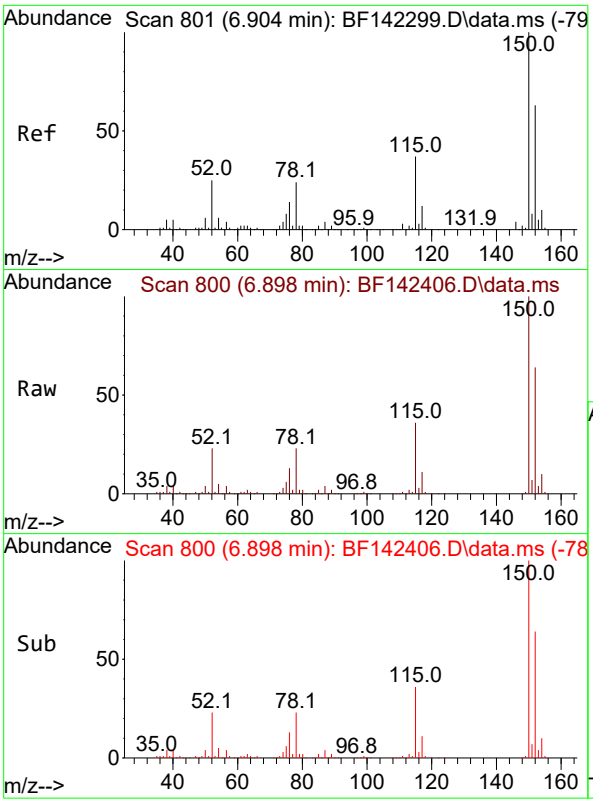
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142406.D
Acq On : 15 May 2025 22:04
Operator : RC/JU
Sample : Q1982-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-8

Quant Time: May 16 01:10:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration



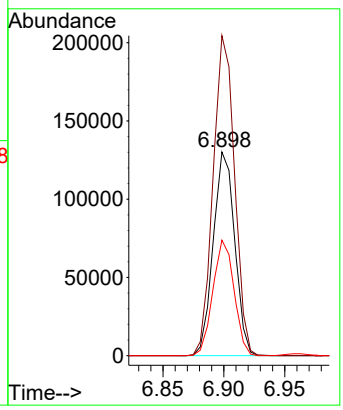


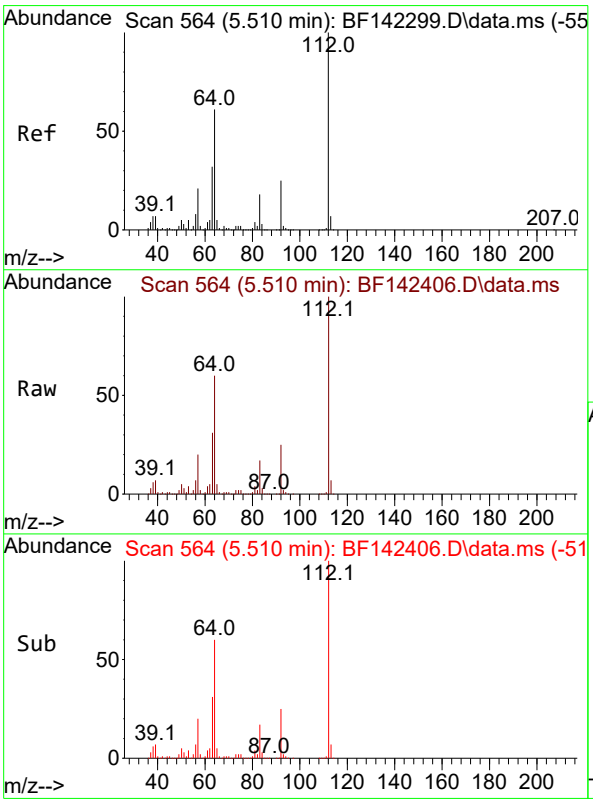
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142406.D
Acq: 15 May 2025 22:04

Instrument :
BNA_F
ClientSampleId :
TP-8

Tgt Ion:152 Resp: 160071

Ion	Ratio	Lower	Upper
152	100		
150	157.1	126.6	190.0
115	56.7	47.3	70.9

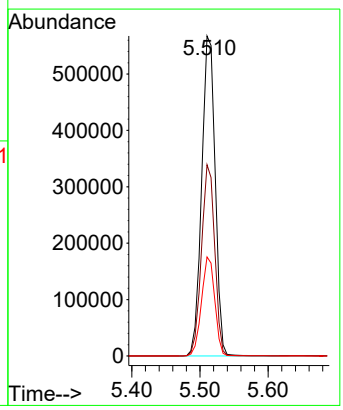


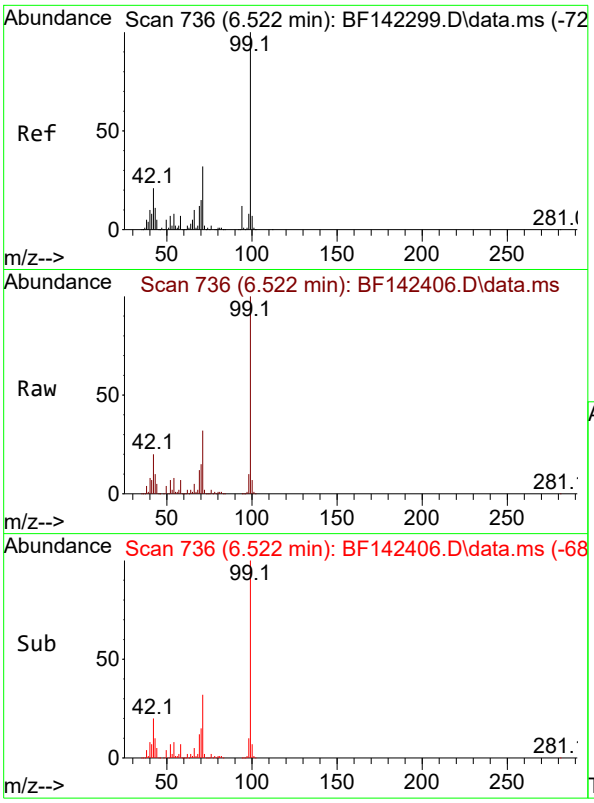


#5
2-Fluorophenol
Concen: 83.404 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF142406.D
Acq: 15 May 2025 22:04

Tgt Ion:112 Resp: 782072

Ion	Ratio	Lower	Upper
112	100		
64	59.8	48.9	73.3
63	30.9	25.6	38.4



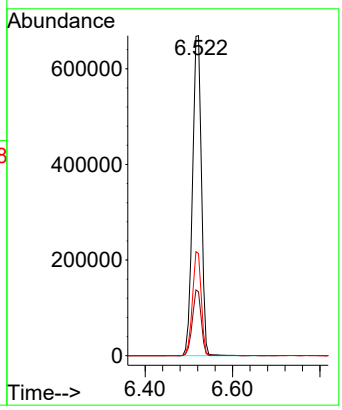


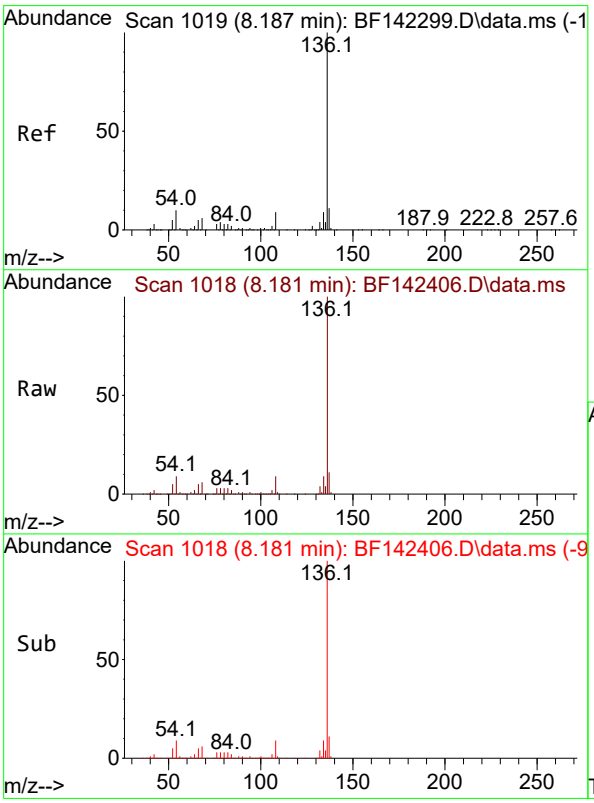
#7
Phenol-d6
Concen: 82.350 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142406.D
Acq: 15 May 2025 22:04

Instrument :
BNA_F
ClientSampleId :
TP-8

Tgt Ion: 99 Resp: 949734

Ion	Ratio	Lower	Upper
99	100		
42	19.9	17.0	25.4
71	31.9	25.8	38.8

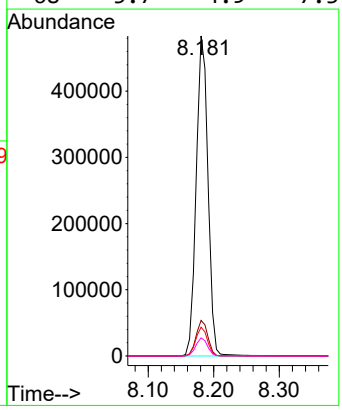


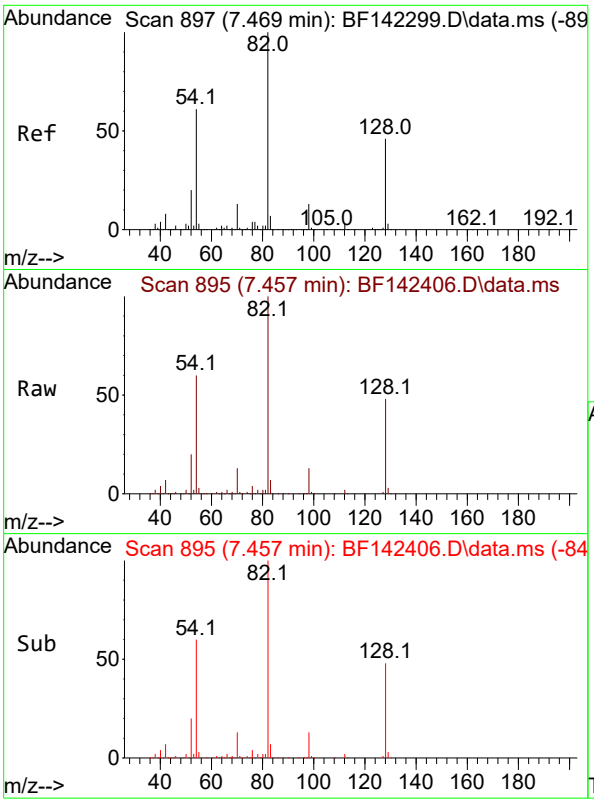


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142406.D
Acq: 15 May 2025 22:04

Tgt Ion:136 Resp: 605054

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.0	7.7	11.5
68	5.7	4.9	7.3



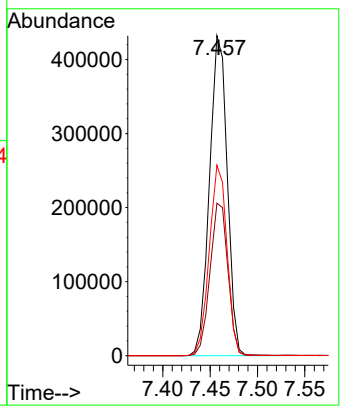


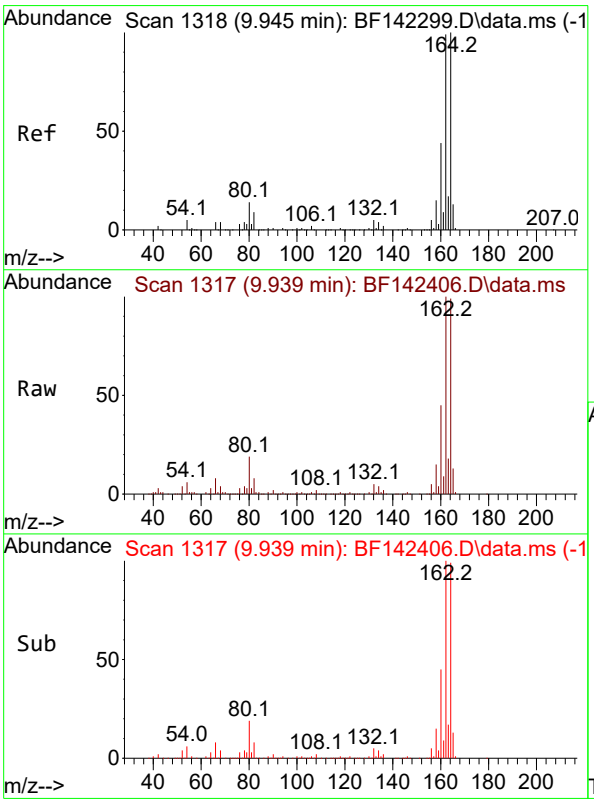
#23
Nitrobenzene-d5
Concen: 56.916 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142406.D
Acq: 15 May 2025 22:04

Instrument :
BNA_F
ClientSampleId :
TP-8

Tgt Ion: 82 Resp: 564669

Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.0	55.6
54	59.5	48.6	73.0

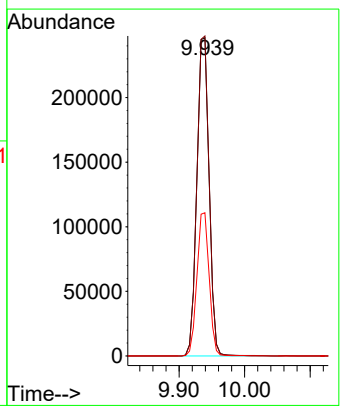


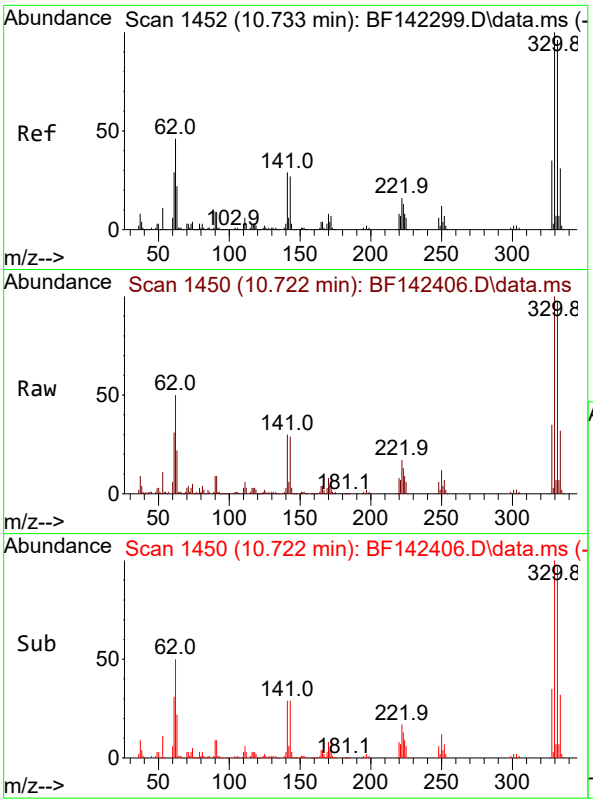


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142406.D
Acq: 15 May 2025 22:04

Tgt Ion:164 Resp: 320606

Ion	Ratio	Lower	Upper
164	100		
162	100.6	79.2	118.8
160	45.0	35.3	52.9



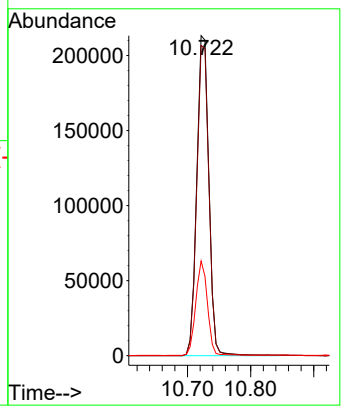


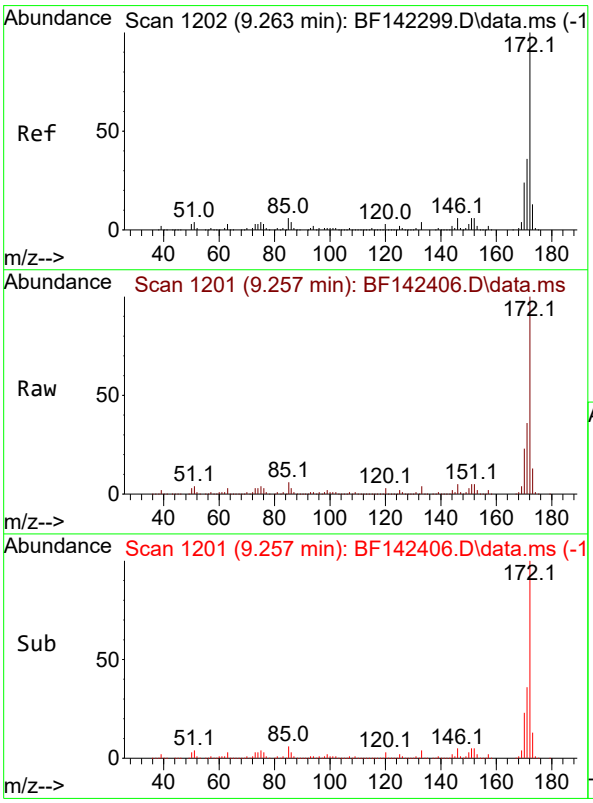
#42
2,4,6-Tribromophenol
Concen: 91.691 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142406.D
Acq: 15 May 2025 22:04

Instrument :
BNA_F
ClientSampleId :
TP-8

Tgt Ion:330 Resp: 283820

Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.8	115.2
141	28.5	24.9	37.3

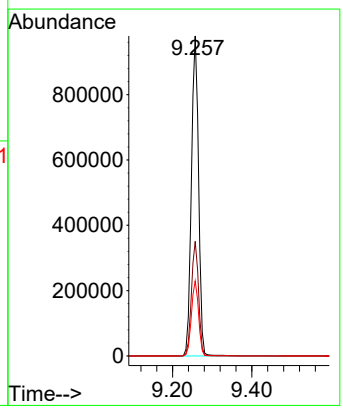


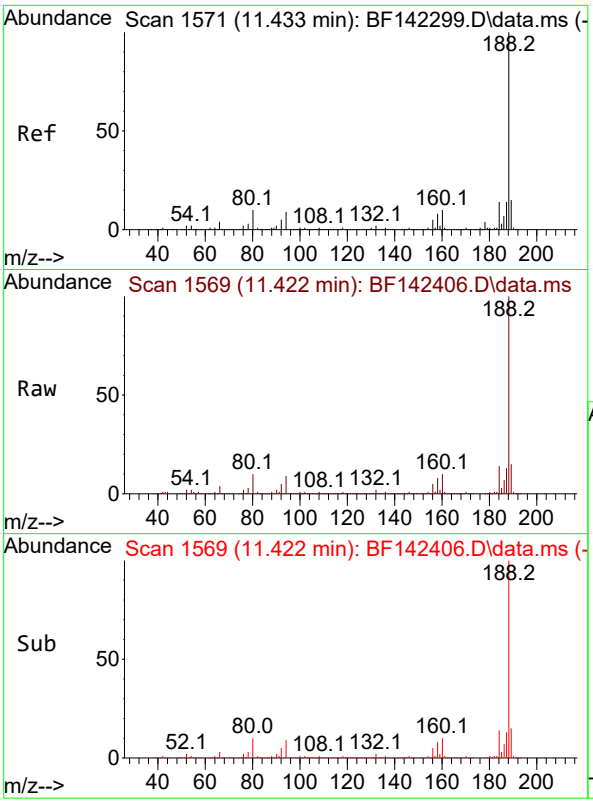


#45
2-Fluorobiphenyl
Concen: 54.839 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142406.D
Acq: 15 May 2025 22:04

Tgt Ion:172 Resp: 1233046

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	42.8
170	23.4	19.0	28.4



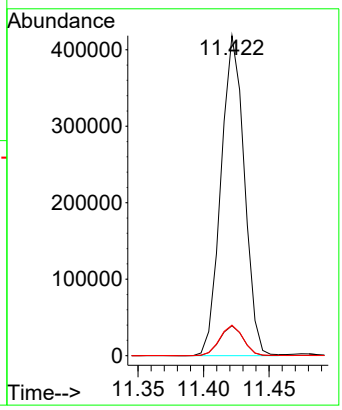


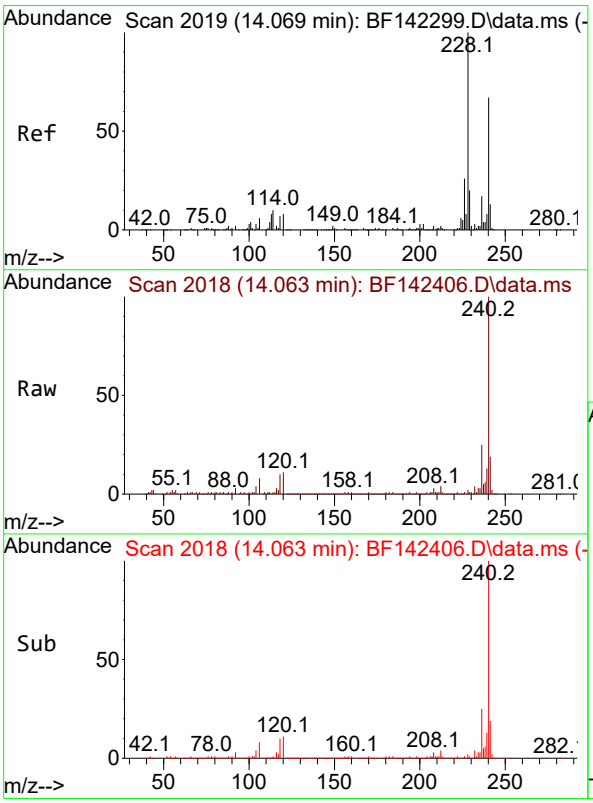
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142406.D
Acq: 15 May 2025 22:04

Instrument :
BNA_F
ClientSampleId :
TP-8

Tgt Ion:188 Resp: 518248

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.5	11.3
80	9.5	7.9	11.9

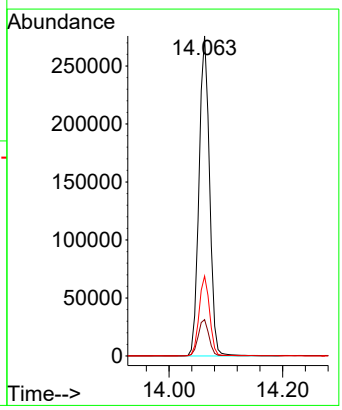


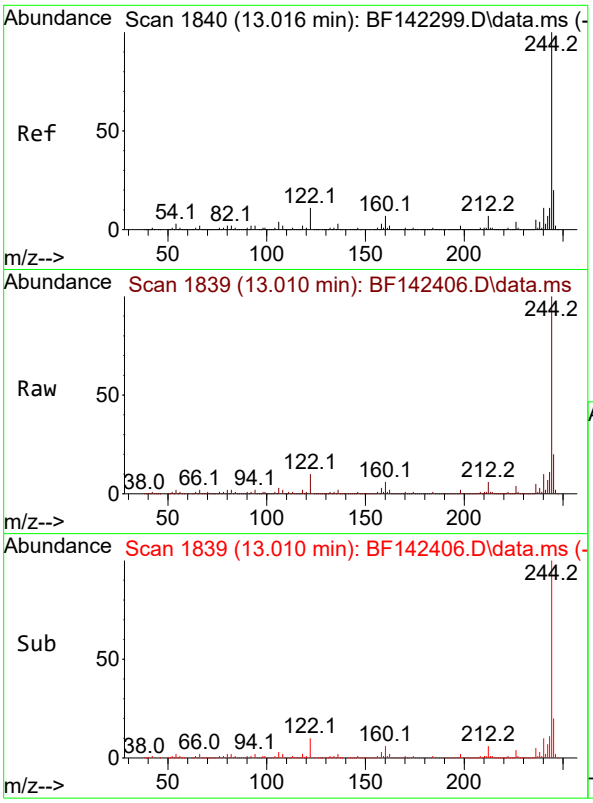


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142406.D
Acq: 15 May 2025 22:04

Tgt Ion:240 Resp: 355689

Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.7	14.5
236	25.0	20.0	30.0



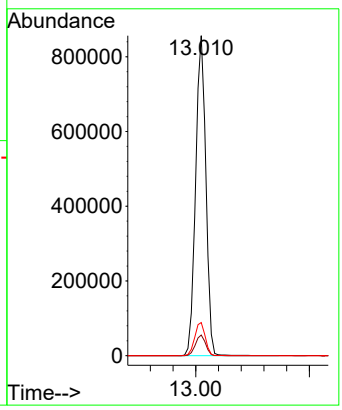


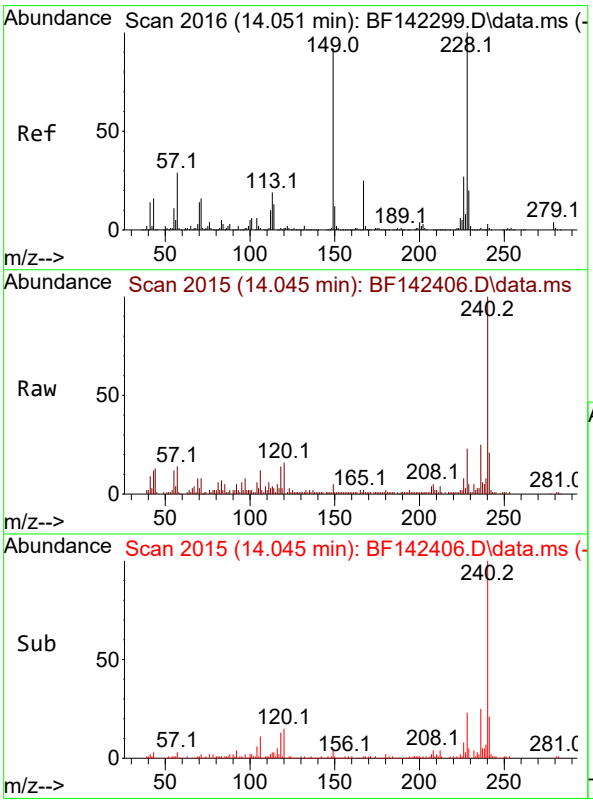
#79
Terphenyl-d14
Concen: 44.806 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142406.D
Acq: 15 May 2025 22:04

Instrument :
BNA_F
ClientSampleId :
TP-8

Tgt Ion:244 Resp: 1076746

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.2
122	10.3	9.0	13.4

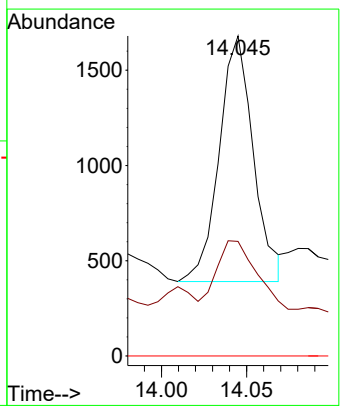


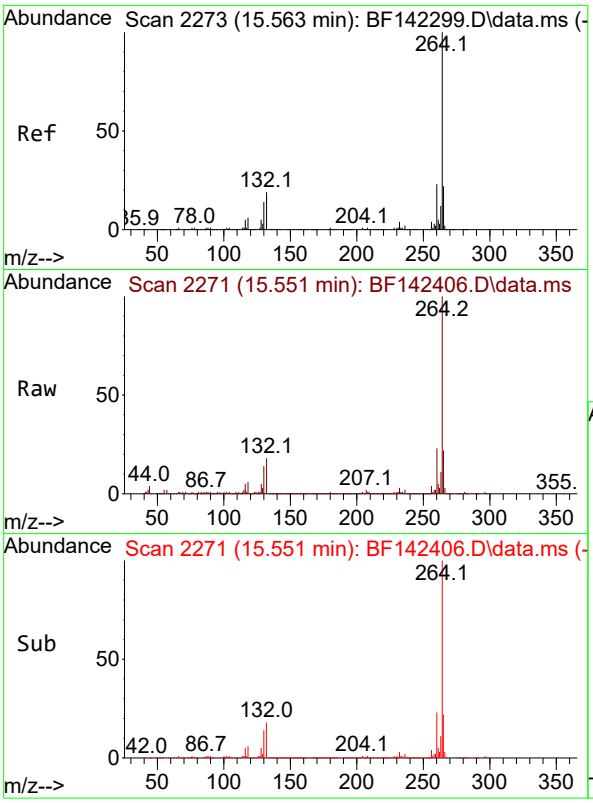


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.374 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142406.D
Acq: 15 May 2025 22:04

Tgt Ion:149 Resp: 1802

Ion	Ratio	Lower	Upper
149	100		
167	35.8	22.0	33.0#
279	0.0	3.0	4.6#



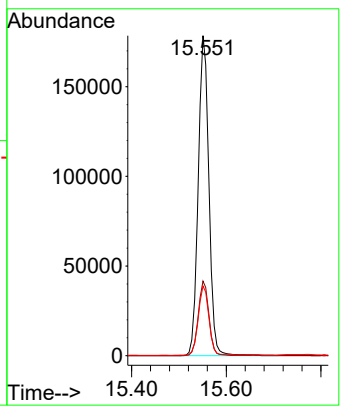


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142406.D
Acq: 15 May 2025 22:04

Instrument :
BNA_F
ClientSampleId :
TP-8

Tgt Ion:264 Resp: 278675

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	21.8	17.5	26.3



Sample Results: **BF142406.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142406.D
Acq On : 15 May 2025 22:04
Operator : RC/JU
Sample : Q1982-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-8

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-BF050525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142406.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.116	488	497	508	rVB	199957	300417	8.67%	1.265%
2	5.510	558	564	570	rBV	1988749	2704855	78.08%	11.393%
3	6.522	729	736	741	rBV	1924882	2733970	78.92%	11.516%
4	6.898	795	800	805	rBV	746541	909961	26.27%	3.833%
5	7.457	889	895	900	rBV	1338636	1752172	50.58%	7.380%
6	7.710	934	938	945	rVB	33095	41728	1.20%	0.176%
7	8.181	1013	1018	1023	rBV	962661	1197631	34.57%	5.044%
8	9.257	1195	1201	1206	rBV	2767234	3464422	100.00%	14.592%
9	9.651	1264	1268	1272	rBV3	23264	34655	1.00%	0.146%
10	9.933	1311	1316	1322	rBV	1029549	1343536	38.78%	5.659%
11	10.586	1422	1427	1432	rBV2	25115	44004	1.27%	0.185%
12	10.645	1433	1437	1445	rVV	164586	219135	6.33%	0.923%
13	10.722	1445	1450	1461	rBV	1561651	2036412	58.78%	8.577%
14	10.851	1468	1472	1480	rVB	33178	51293	1.48%	0.216%
15	11.316	1547	1551	1557	rVB2	45776	67941	1.96%	0.286%
16	11.422	1564	1569	1576	rBV	1011466	1286183	37.13%	5.417%
17	11.651	1604	1608	1616	rBV7	18844	41325	1.19%	0.174%
18	11.945	1653	1658	1670	rBV2	202685	336770	9.72%	1.418%
19	12.198	1698	1701	1707	rVB3	33275	43569	1.26%	0.184%
20	12.633	1772	1775	1780	rVB	54148	69638	2.01%	0.293%
21	12.733	1788	1792	1799	rBV4	31262	65945	1.90%	0.278%
22	12.863	1810	1814	1820	rBV	67542	90430	2.61%	0.381%
23	13.010	1833	1839	1844	rBV	2222874	2819995	81.40%	11.878%
24	13.904	1987	1991	2002	rVB	103025	182752	5.28%	0.770%
25	14.063	2012	2018	2032	rBV	743804	1052136	30.37%	4.432%
26	15.551	2265	2271	2294	rVB	483980	850664	24.55%	3.583%

Sum of corrected areas: 23741539

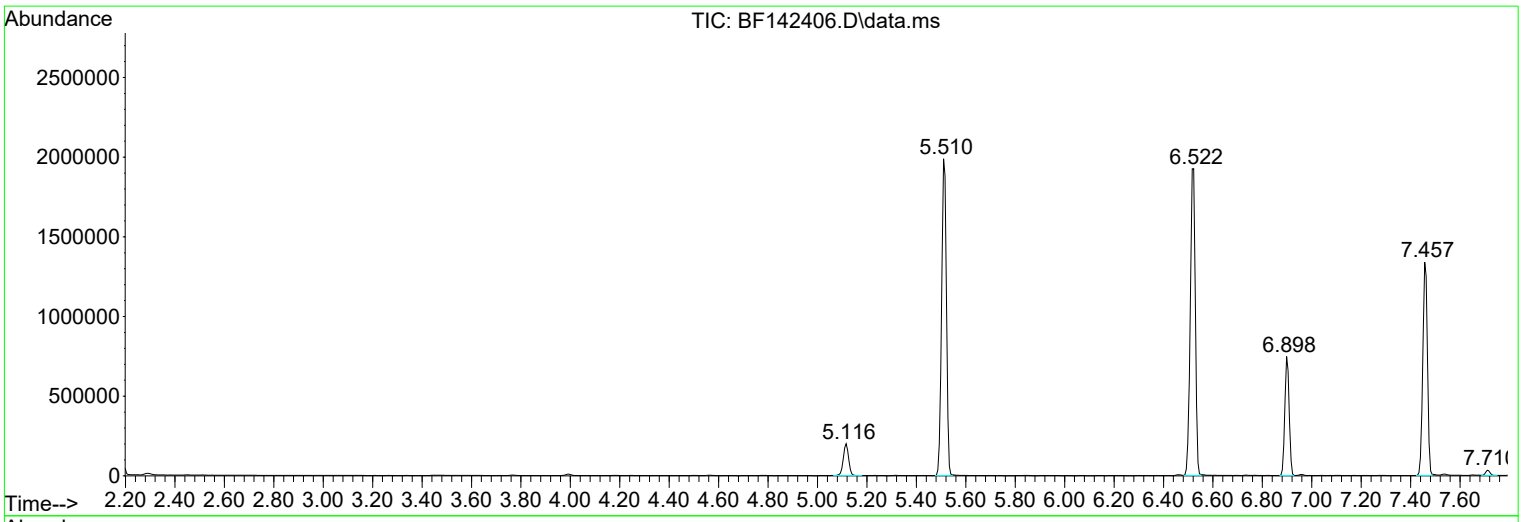
Sample Results: **BF142406.D**

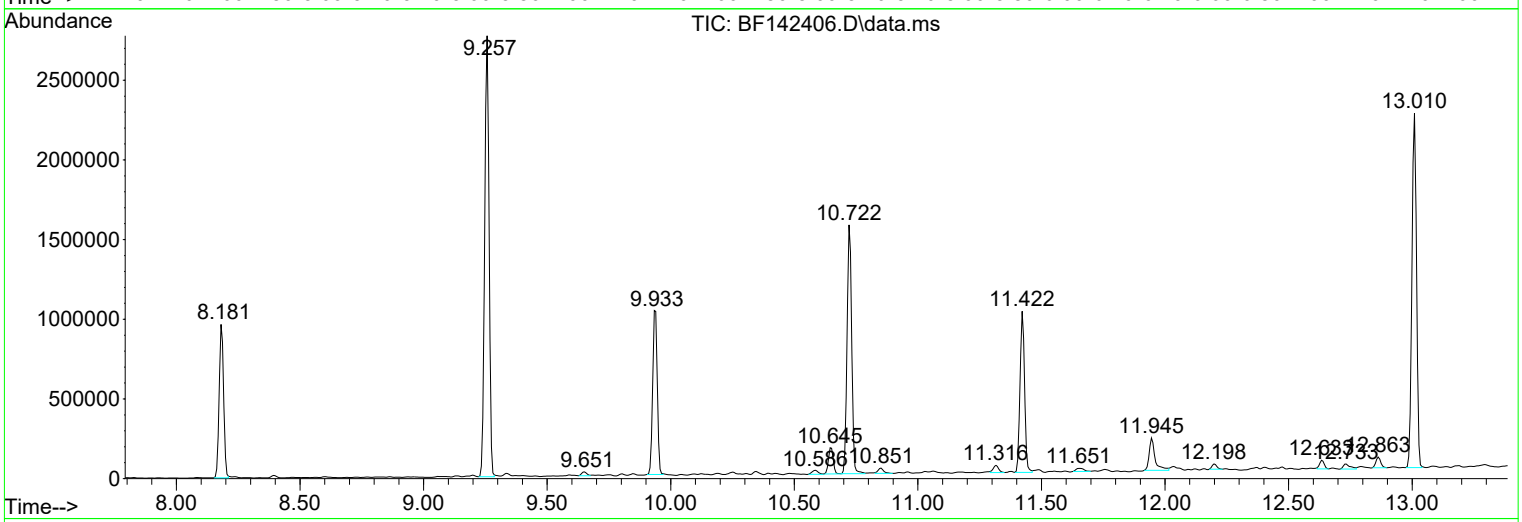
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142406.D
Acq On : 15 May 2025 22:04
Operator : RC/JU
Sample : Q1982-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

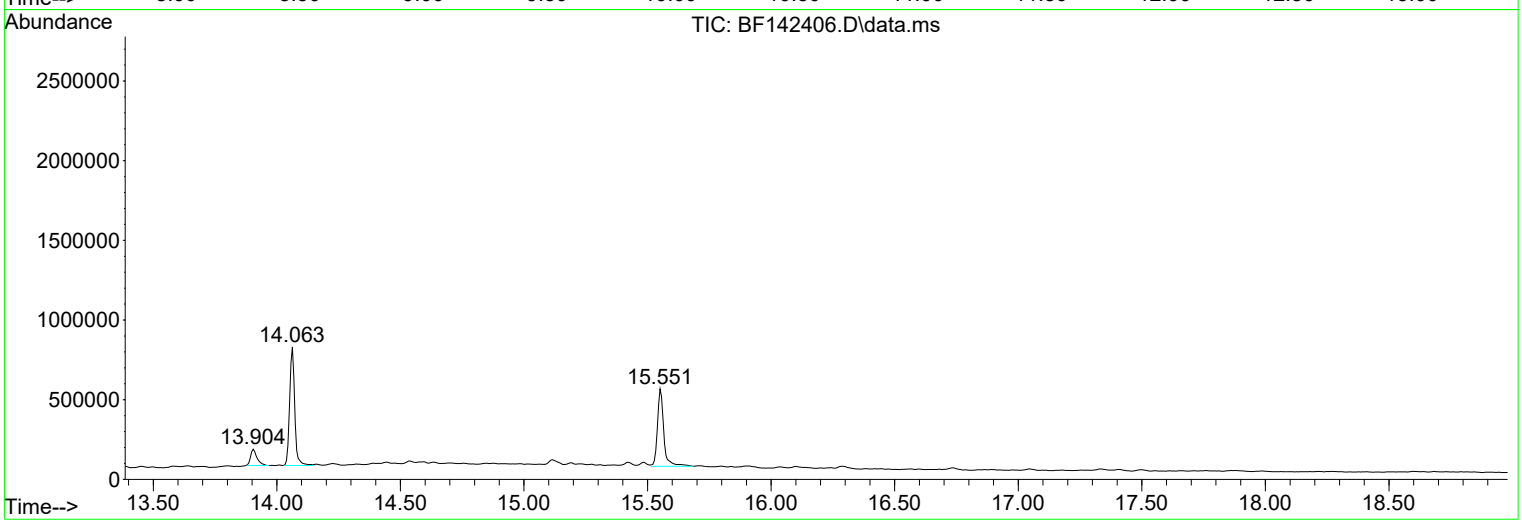
Instrument :
BNA_F
ClientSampleId :
TP-8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.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\BF051525\
Data File : BF142406.D
Acq On : 15 May 2025 22:04
Operator : RC/JU
Sample : Q1982-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-8

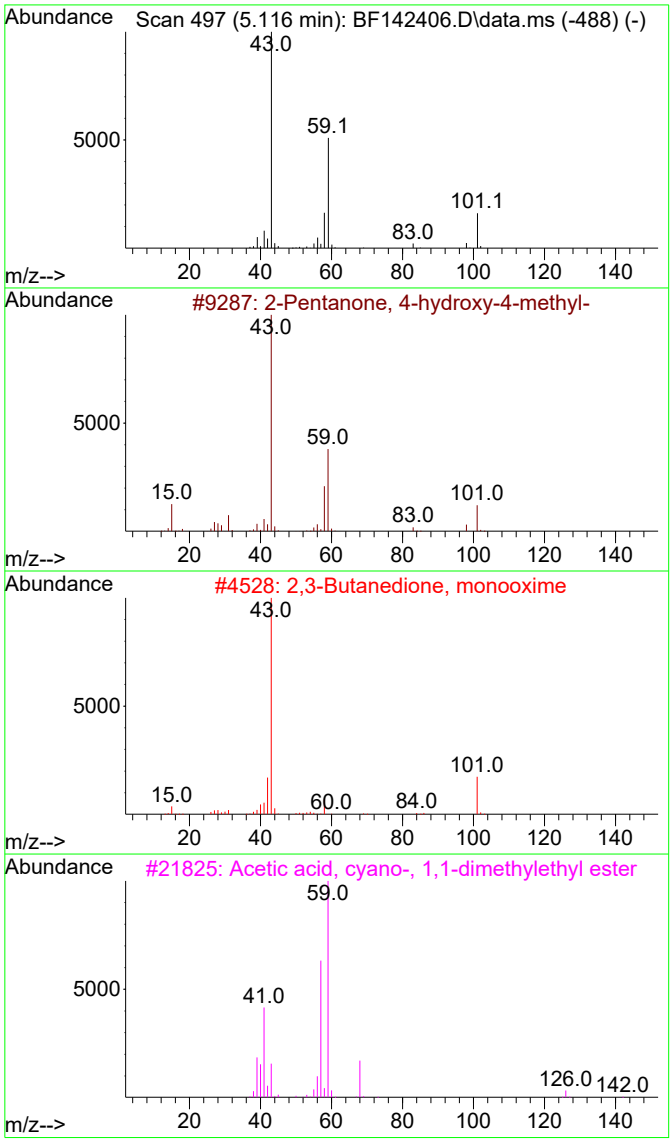
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

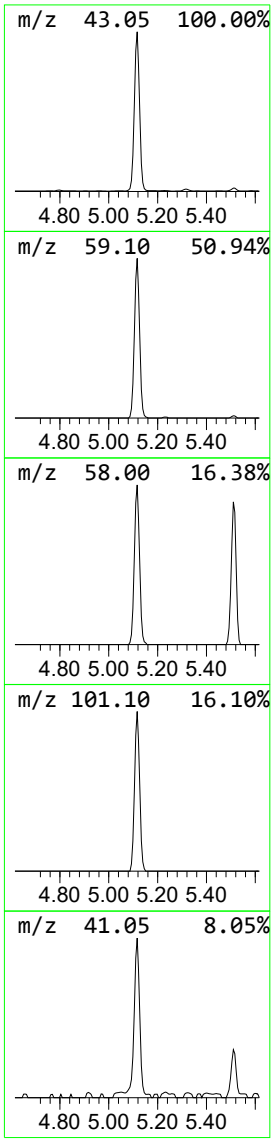
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.116	6.60 ng	300417	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27
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	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142406.D
Acq On : 15 May 2025 22:04
Operator : RC/JU
Sample : Q1982-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

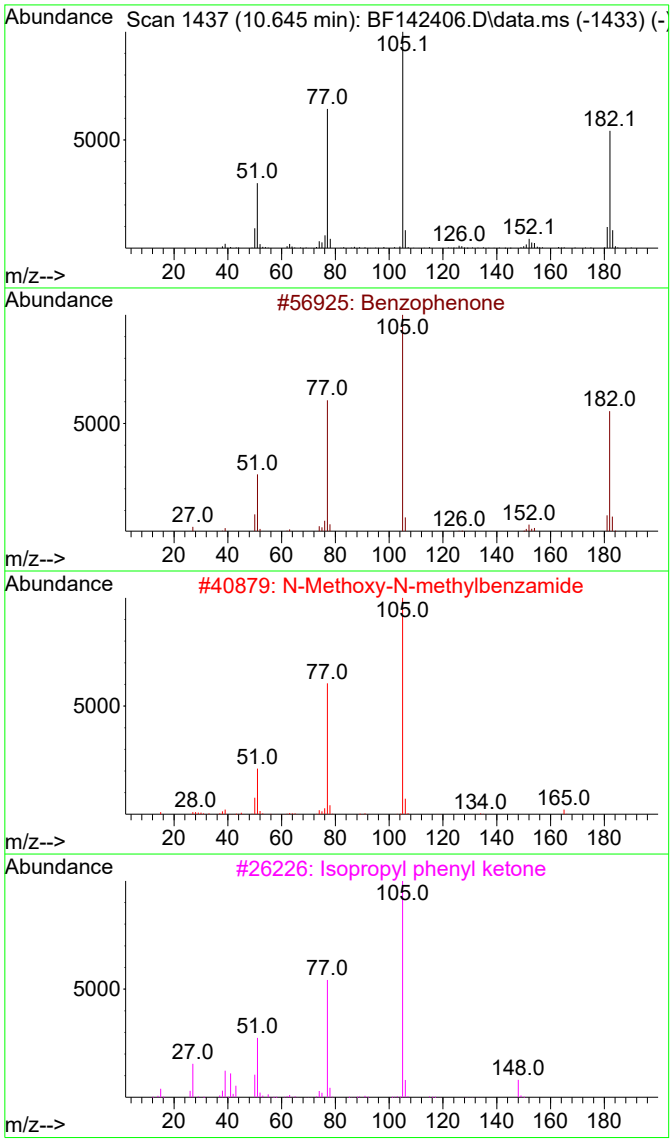
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TIC Integration Parameters: LSCINT.P

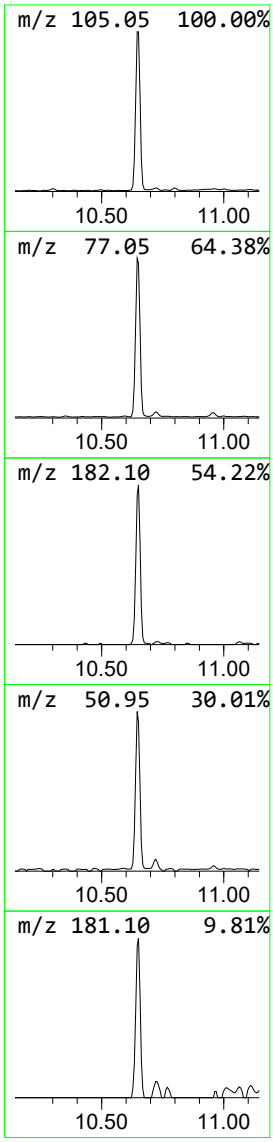
****

Peak Number 2 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.645	3.26 ng	219135	Acenaphthene-d10	9.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
3	Isopropyl phenyl ketone	148	C10H12O	000611-70-1	47
4	Ethanedione, diphenyl-	210	C14H10O2	000134-81-6	47
5	Benzoyl isothiocyanate	163	C8H5NOS	000532-55-8	47





```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142406.D
Acq On    : 15 May 2025  22:04
Operator  : RC/JU
Sample    : Q1982-07
Misc      :
ALS Vial  : 15   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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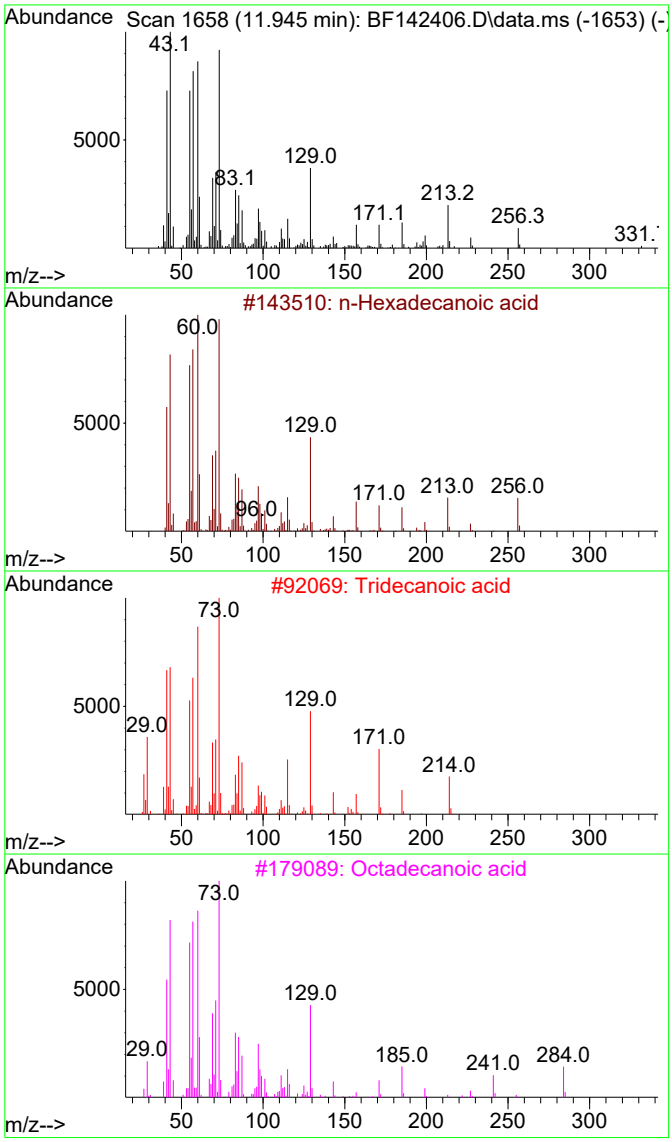
Instrument : BNA_F
ClientSampleId : TP-8

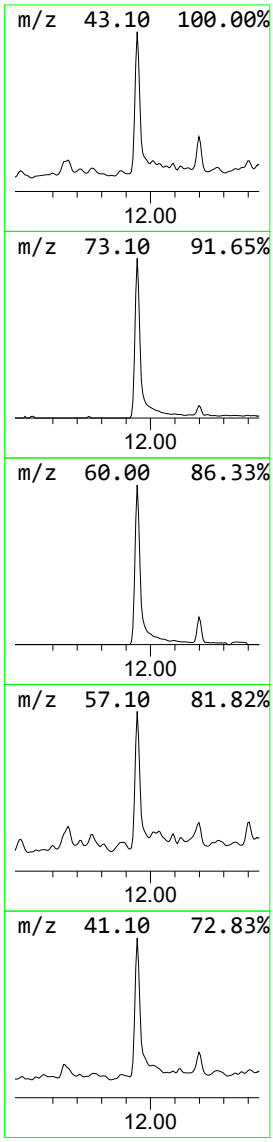
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	5.24 ng	336770	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Octadecanoic acid	284	C18H36O2	000057-11-4	93
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
5	Undecanoic acid	186	C11H22O2	000112-37-8	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142406.D
Acq On : 15 May 2025 22:04
Operator : RC/JU
Sample : Q1982-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-8

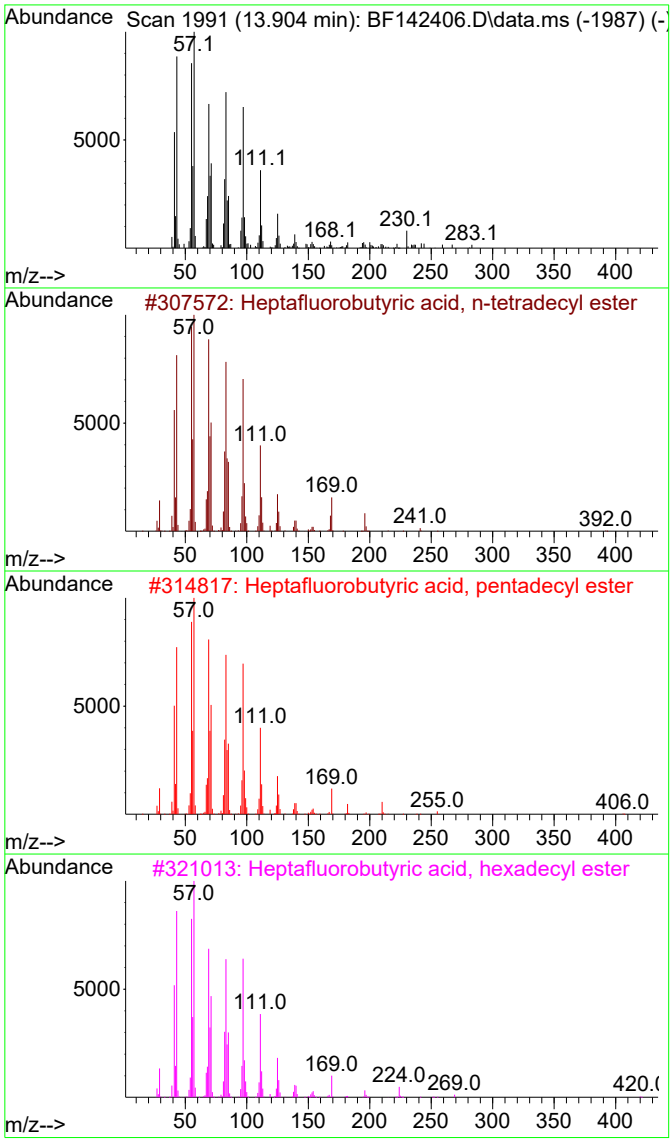
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

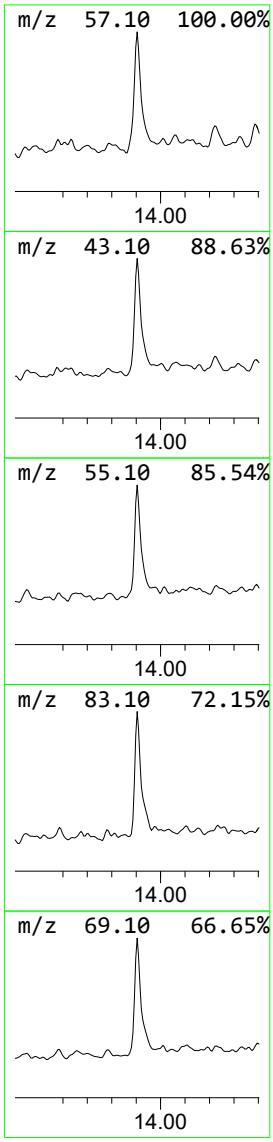
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Heptafluorobutyric acid, n-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	3.47 ng	182752	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	94
2	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
3	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	94
4	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	94
5	1-Heneicosanol	312	C21H44O	015594-90-8	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142406.D
Acq On : 15 May 2025 22:04
Operator : RC/JU
Sample : Q1982-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.116	6.6	ng	300417	1	6.898	909961	20.0
Benzophenone	10.645	3.3	ng	219135	3	9.939	1343540	20.0
n-Hexadecanoic ...	11.945	5.2	ng	336770	4	11.422	1286180	20.0
Heptafluorobuty...	13.904	3.5	ng	182752	5	14.063	1052140	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024647.D
Acq On : 15 May 2025 21:25
Operator : RC/JU
Sample : Q1982-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-9

Quant Time: May 16 01:18:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

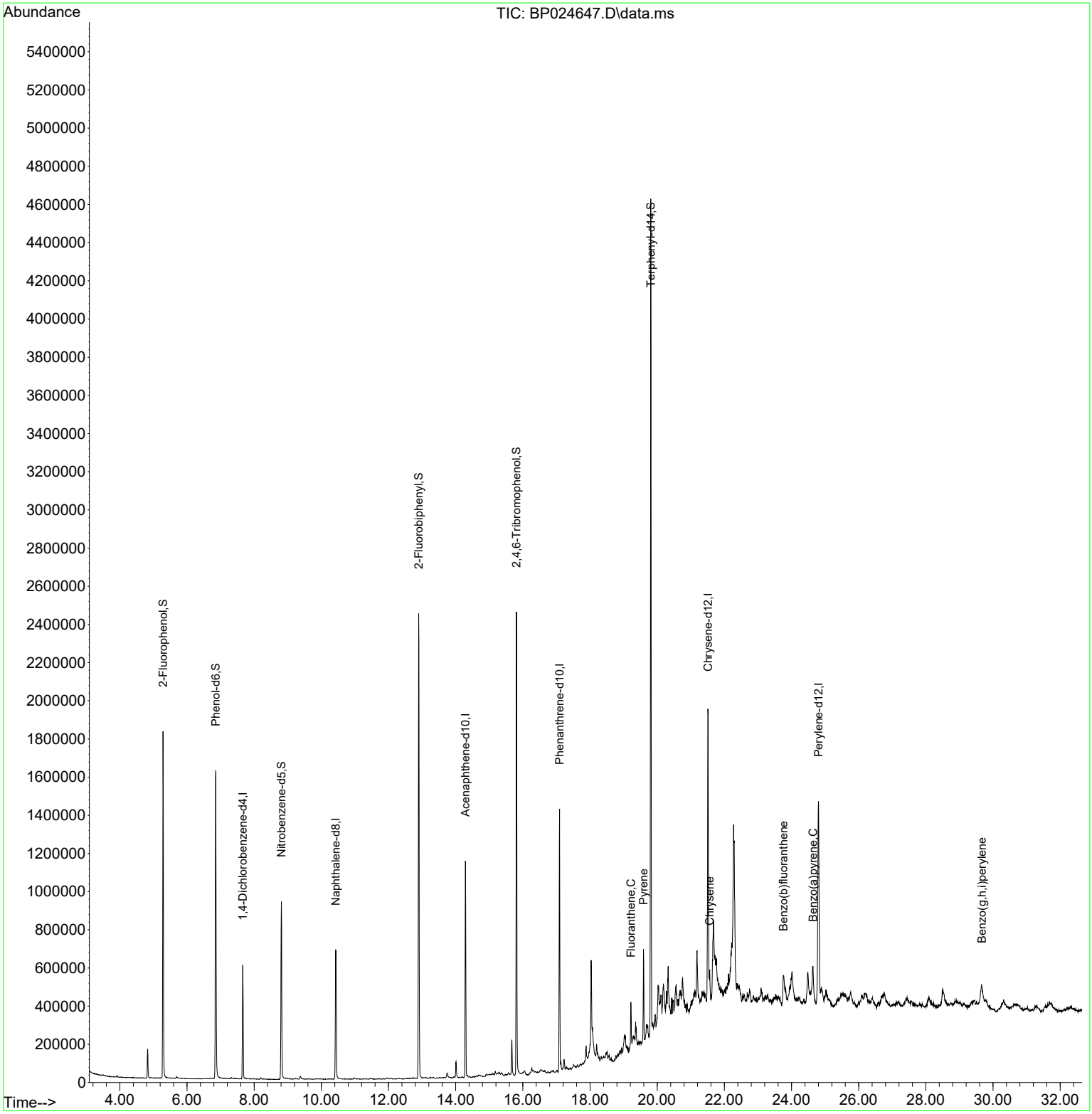
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	165553	20.000	ng	0.00
21) Naphthalene-d8	10.428	136	643582	20.000	ng	0.00
39) Acenaphthene-d10	14.292	164	391444	20.000	ng	-0.01
64) Phenanthrene-d10	17.092	188	756008	20.000	ng	0.00
76) Chrysene-d12	21.516	240	888340	20.000	ng	0.00
86) Perylene-d12	24.804	264	1083555	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	783475	80.943	ng	0.00
7) Phenol-d6	6.857	99	986855	79.884	ng	0.00
23) Nitrobenzene-d5	8.810	82	566935	44.509	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	511425	77.067	ng	0.00
45) 2-Fluorobiphenyl	12.898	172	1330245	44.522	ng	0.00
79) Terphenyl-d14	19.810	244	2178084	42.042	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	19.216	202	139697	2.844	ng	98
78) Pyrene	19.592	202	297430	5.588	ng	98
83) Chrysene	21.563	228	116826m	2.209	ng	
88) Benzo(b)fluoranthene	23.757	252	203807	3.286	ng	97
90) Benzo(a)pyrene	24.639	252	202656	3.402	ng	97
92) Benzo(g,h,i)perylene	29.668	276	182303	2.849	ng	98

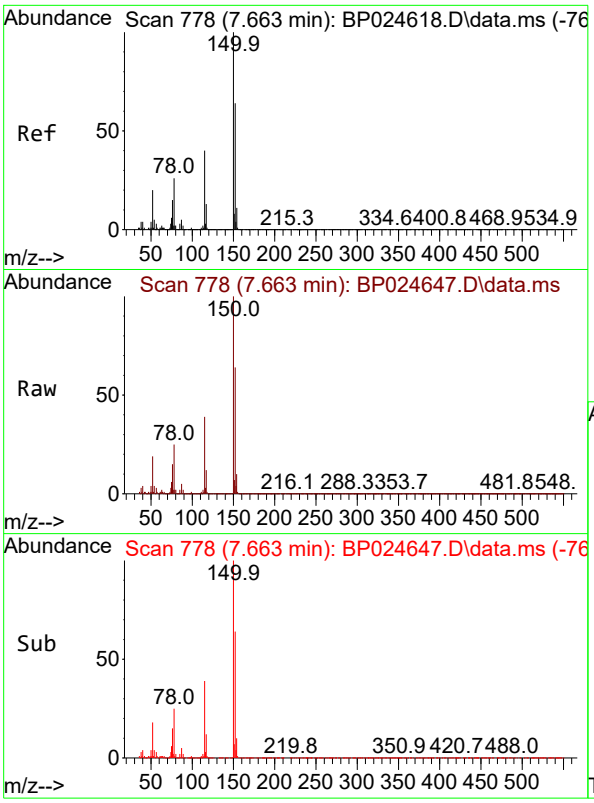
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024647.D
Acq On : 15 May 2025 21:25
Operator : RC/JU
Sample : Q1982-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-9

Quant Time: May 16 01:18:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



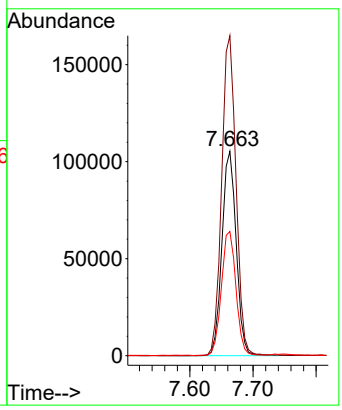


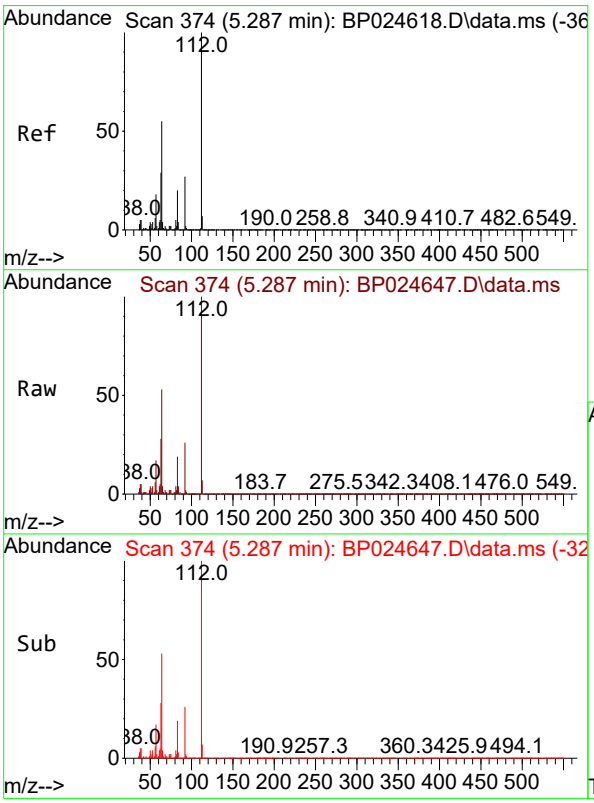
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024647.D
Acq: 15 May 2025 21:25

Instrument :
BNA_P
ClientSampleId :
TP-9

Tgt Ion:152 Resp: 165553

Ion	Ratio	Lower	Upper
152	100		
150	156.6	125.9	188.9
115	60.8	50.1	75.1

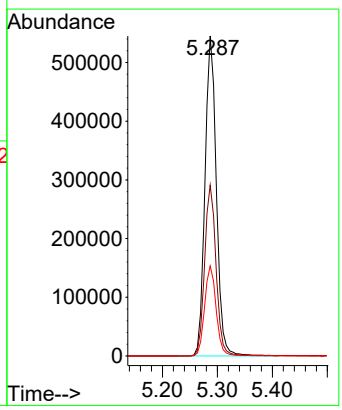


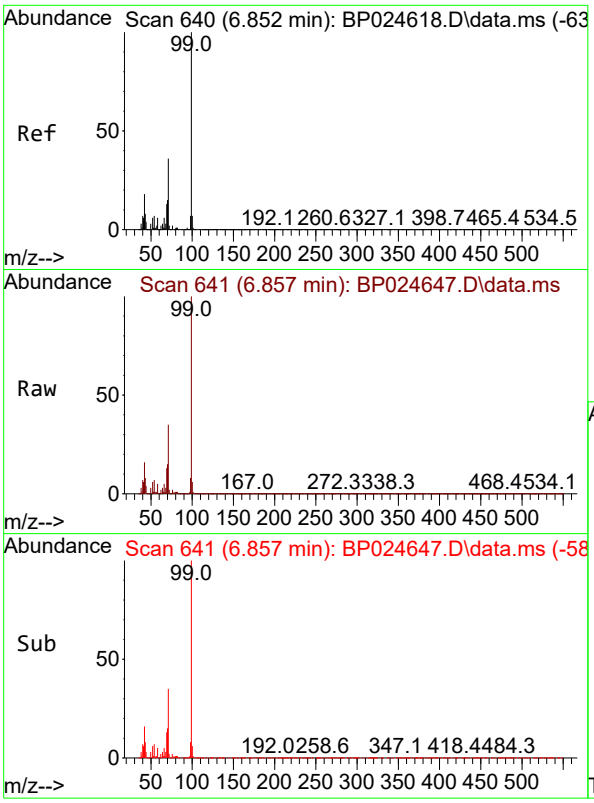


#5
2-Fluorophenol
Concen: 80.943 ng
RT: 5.287 min Scan# 374
Delta R.T. -0.000 min
Lab File: BP024647.D
Acq: 15 May 2025 21:25

Tgt Ion:112 Resp: 783475

Ion	Ratio	Lower	Upper
112	100		
64	53.4	44.1	66.1
63	28.2	23.5	35.3



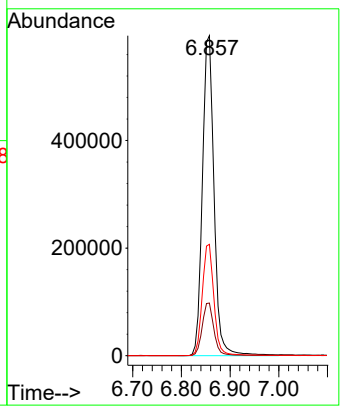


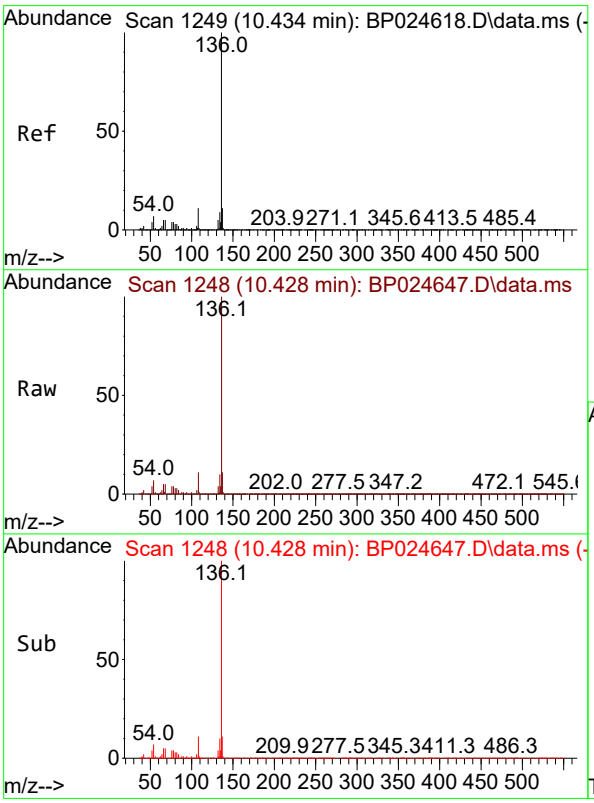
#7
Phenol-d6
Concen: 79.884 ng
RT: 6.857 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024647.D
Acq: 15 May 2025 21:25

Instrument :
BNA_P
ClientSampleId :
TP-9

Tgt Ion: 99 Resp: 986855

Ion	Ratio	Lower	Upper
99	100		
42	16.5	14.4	21.6
71	34.8	29.2	43.8

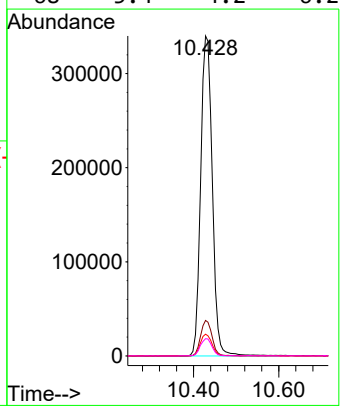


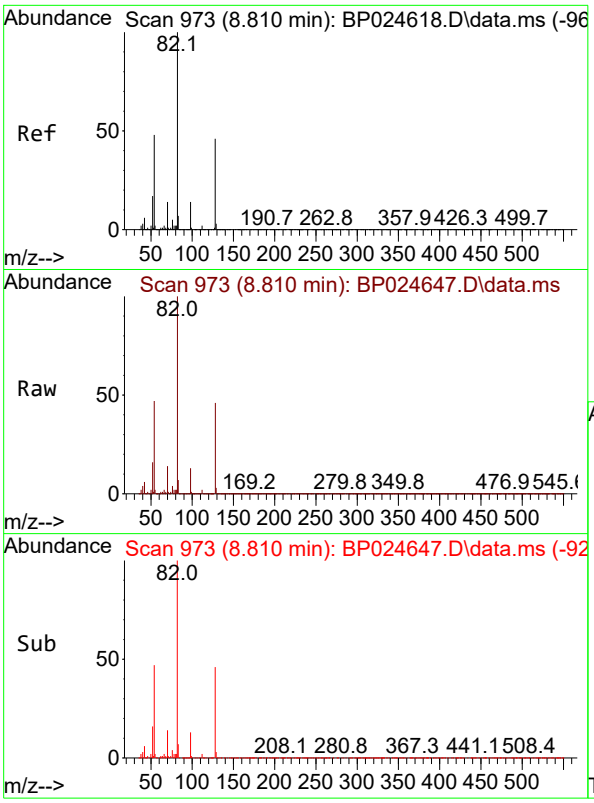


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP024647.D
Acq: 15 May 2025 21:25

Tgt Ion:136 Resp: 643582

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	6.8	5.5	8.3
68	5.4	4.2	6.2



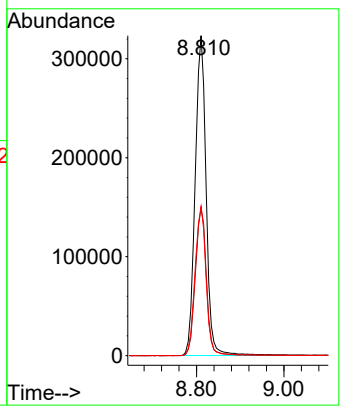


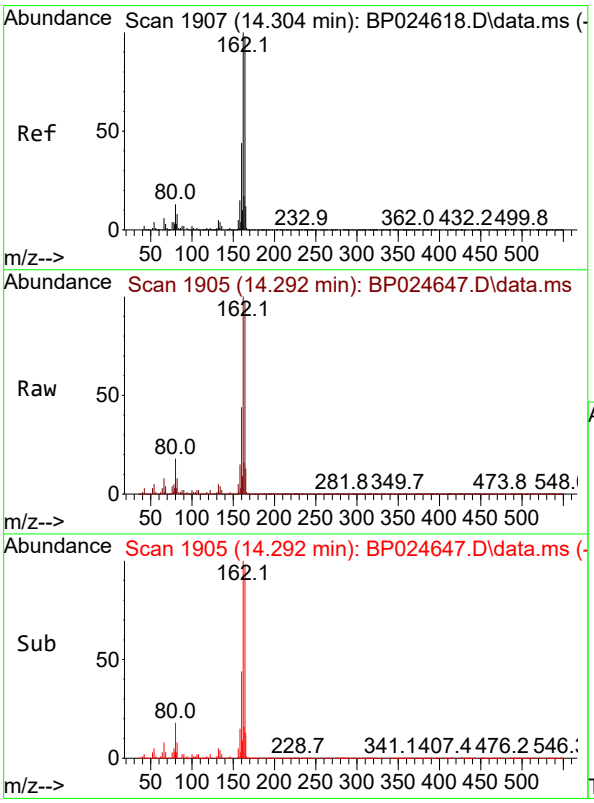
#23
Nitrobenzene-d5
Concen: 44.509 ng
RT: 8.810 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024647.D
Acq: 15 May 2025 21:25

Instrument :
BNA_P
ClientSampleId :
TP-9

Tgt Ion: 82 Resp: 566935

Ion	Ratio	Lower	Upper
82	100		
128	46.1	37.0	55.4
54	46.7	38.7	58.1

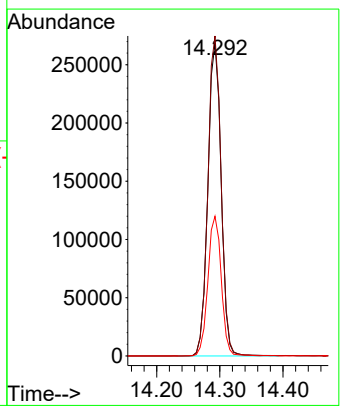


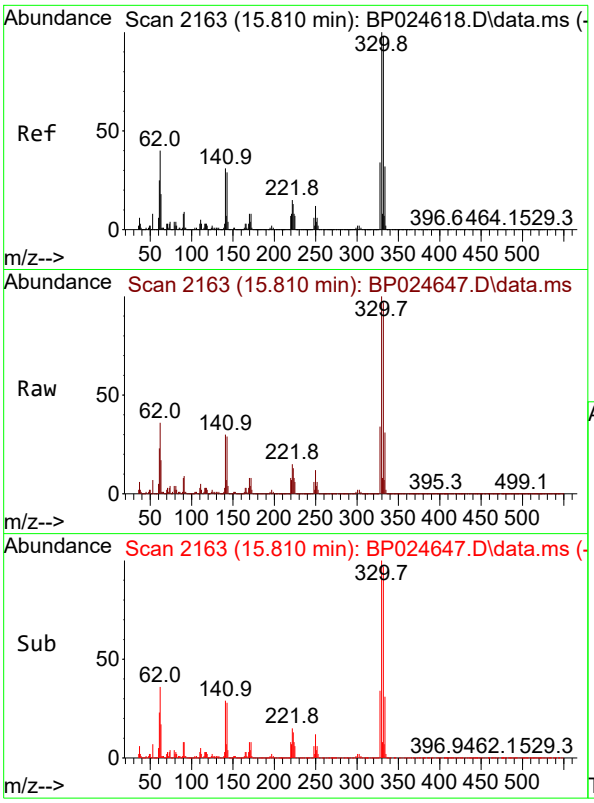


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.292 min Scan# 1905
Delta R.T. -0.012 min
Lab File: BP024647.D
Acq: 15 May 2025 21:25

Tgt Ion:164 Resp: 391444

Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.8	122.6
160	44.7	36.3	54.5



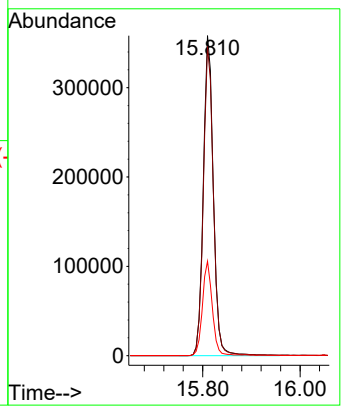


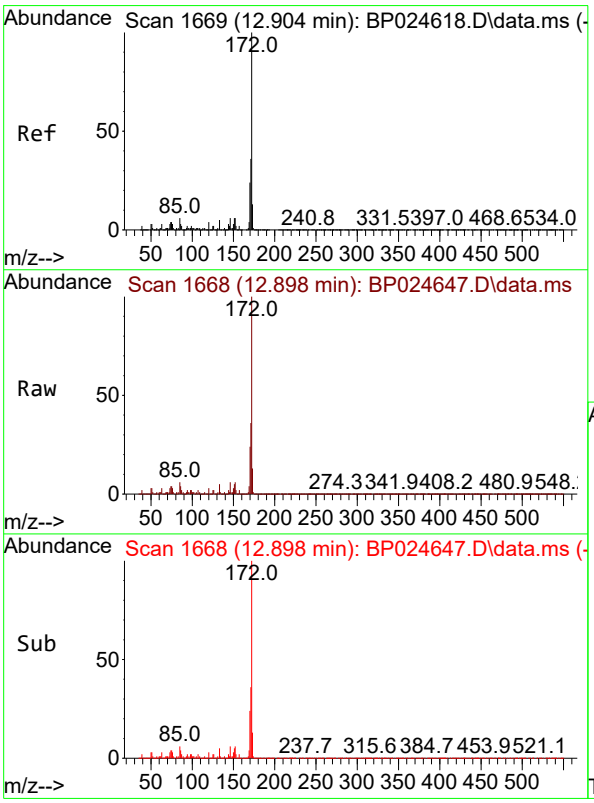
#42
2,4,6-Tribromophenol
Concen: 77.067 ng
RT: 15.810 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024647.D
Acq: 15 May 2025 21:25

Instrument :
BNA_P
ClientSampleId :
TP-9

Tgt Ion:330 Resp: 511425

Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.2	117.4
141	28.9	24.3	36.5

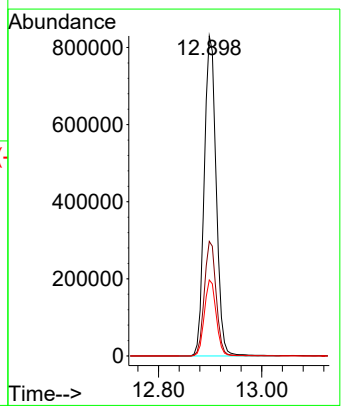


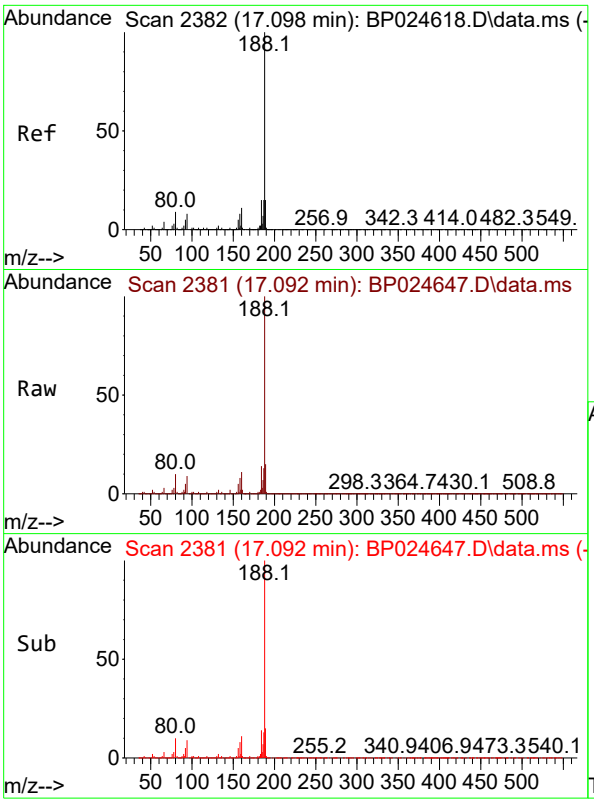


#45
2-Fluorobiphenyl
Concen: 44.522 ng
RT: 12.898 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BP024647.D
Acq: 15 May 2025 21:25

Tgt Ion:172 Resp: 1330245

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.8	43.2
170	23.7	18.8	28.2



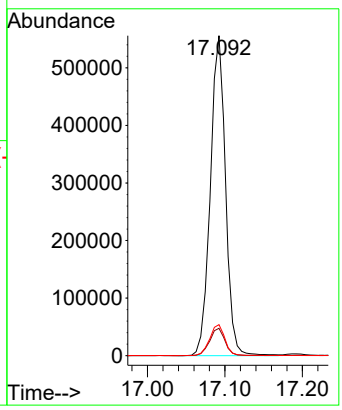


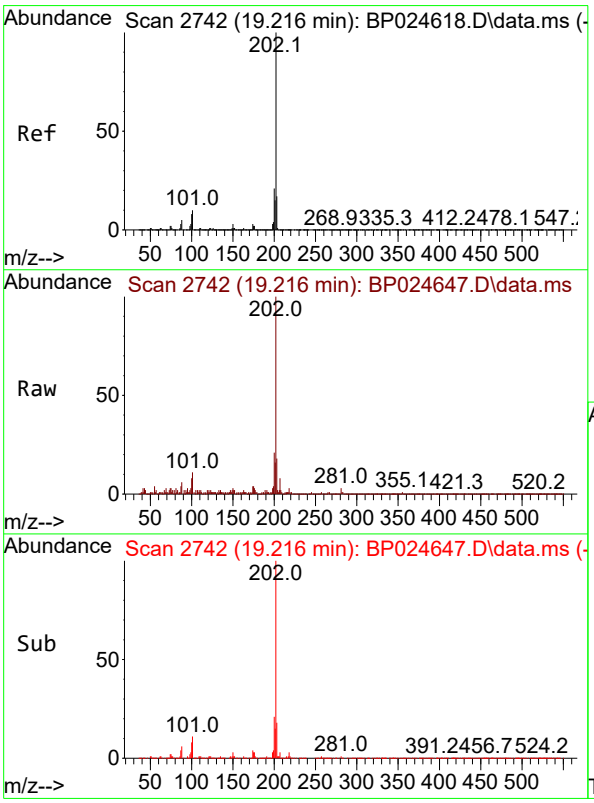
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.092 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024647.D
Acq: 15 May 2025 21:25

Instrument :
BNA_P
ClientSampleId :
TP-9

Tgt Ion:188 Resp: 756008

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.5	9.7
80	9.7	7.3	10.9

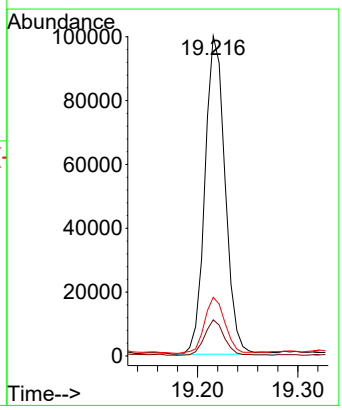


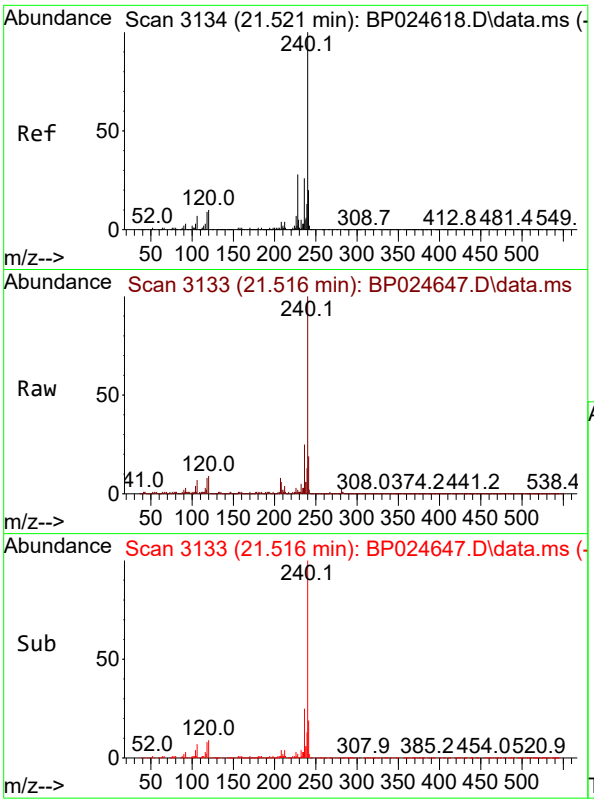


#75
Fluoranthene
Concen: 2.844 ng
RT: 19.216 min Scan# 2742
Delta R.T. -0.000 min
Lab File: BP024647.D
Acq: 15 May 2025 21:25

Tgt Ion:202 Resp: 139697

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	30.3
203	18.3	0.0	37.5



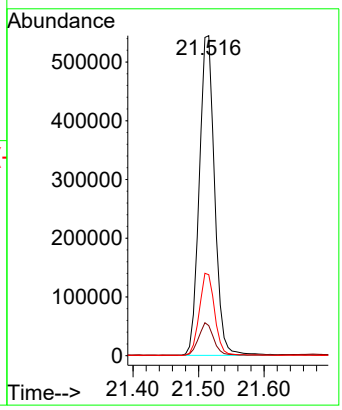


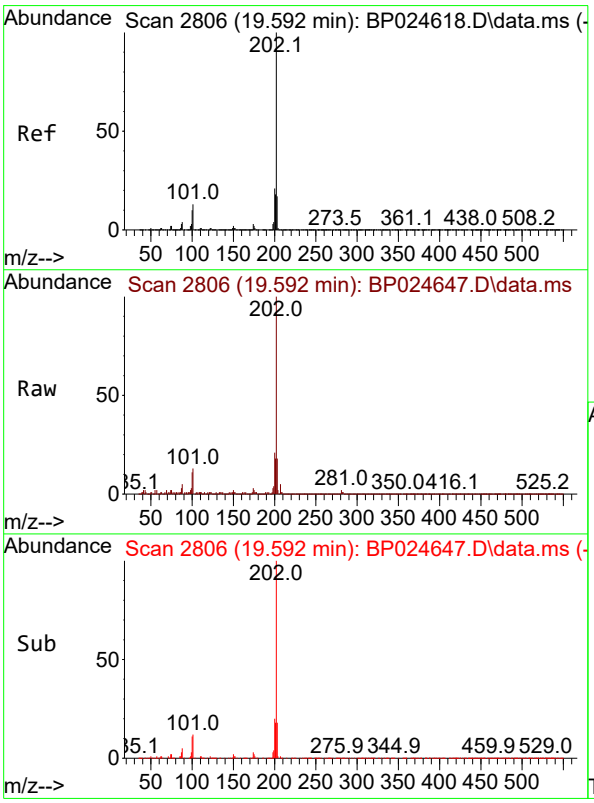
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024647.D
Acq: 15 May 2025 21:25

Instrument :
BNA_P
ClientSampleId :
TP-9

Tgt Ion:240 Resp: 888340

Ion	Ratio	Lower	Upper
240	100		
120	9.4	7.8	11.6
236	25.3	20.6	31.0

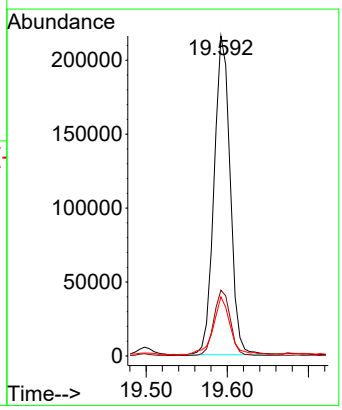


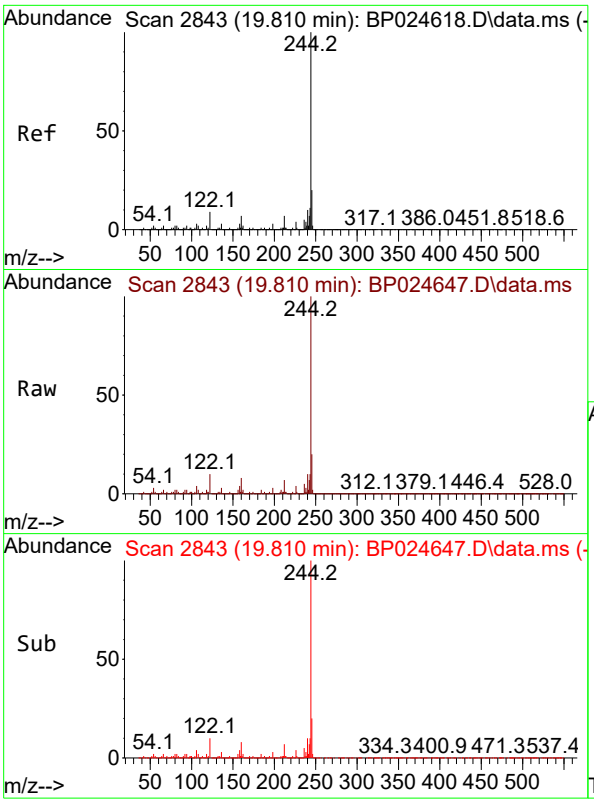


#78
Pyrene
Concen: 5.588 ng
RT: 19.592 min Scan# 2806
Delta R.T. -0.000 min
Lab File: BP024647.D
Acq: 15 May 2025 21:25

Tgt Ion:202 Resp: 297430

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.9	25.3
203	18.5	13.9	20.9



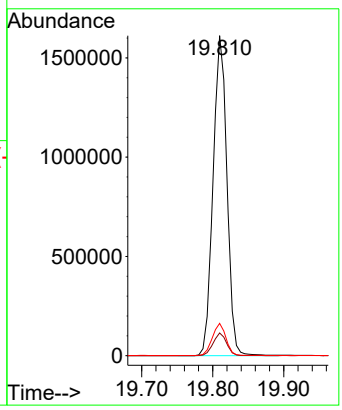


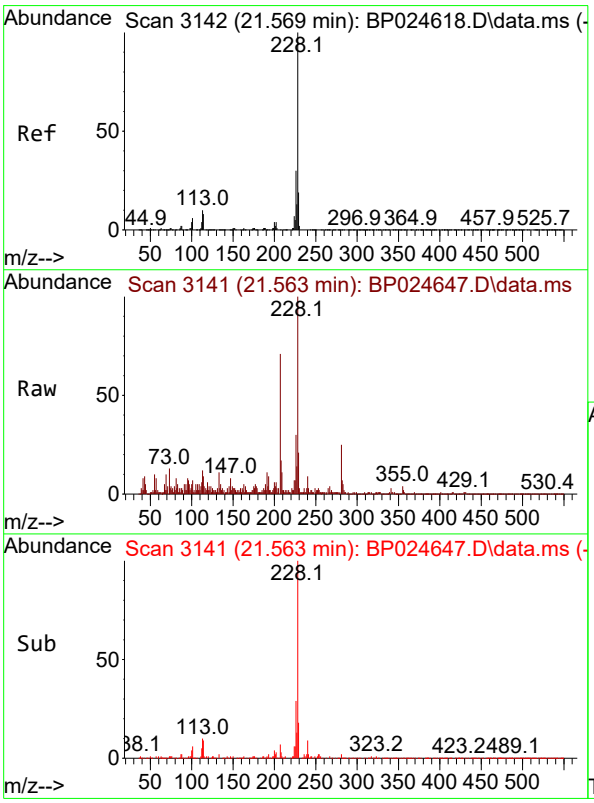
#79
Terphenyl-d14
Concen: 42.042 ng
RT: 19.810 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024647.D
Acq: 15 May 2025 21:25

Instrument :
BNA_P
ClientSampleId :
TP-9

Tgt Ion:244 Resp: 2178084

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	10.1	7.4	11.0

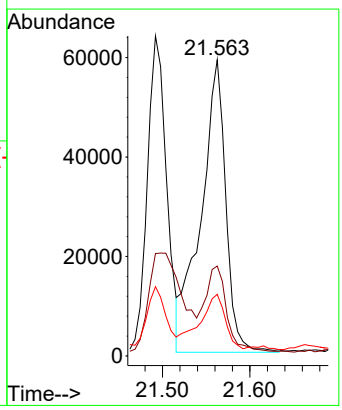


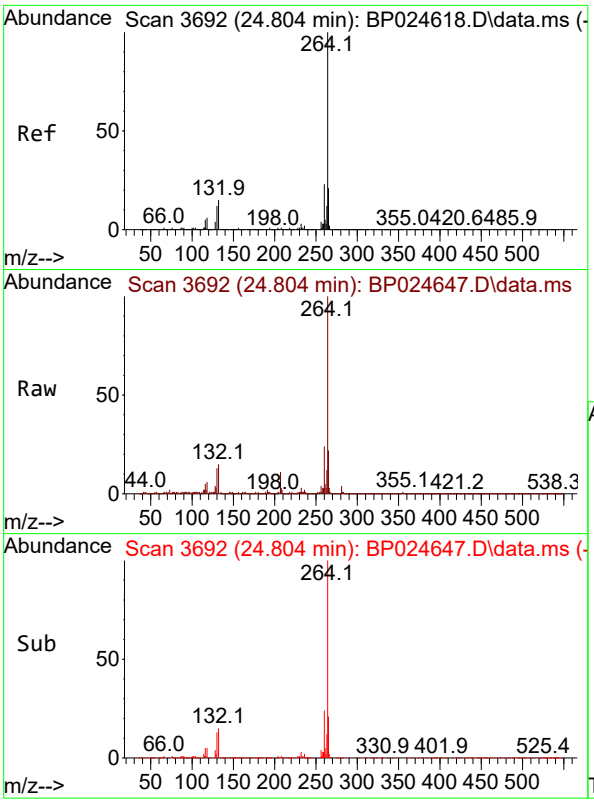


#83
Chrysene
Concen: 2.209 ng m
RT: 21.563 min Scan# 3141
Delta R.T. -0.006 min
Lab File: BP024647.D
Acq: 15 May 2025 21:25

Tgt Ion:228 Resp: 116826

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.9	35.9
229	20.8	15.5	23.3



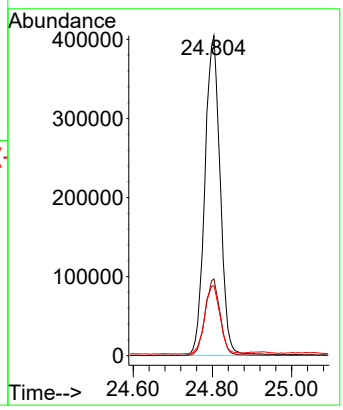


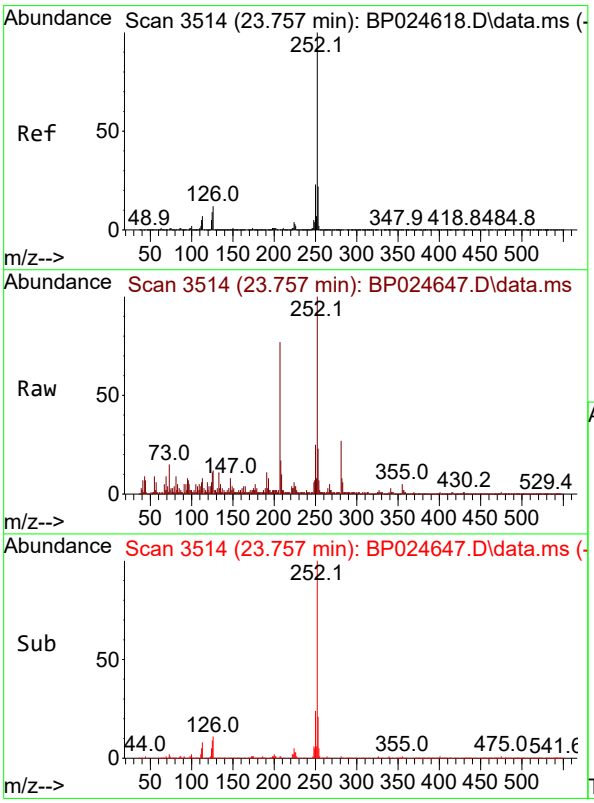
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.804 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024647.D
Acq: 15 May 2025 21:25

Instrument :
BNA_P
ClientSampleId :
TP-9

Tgt Ion:264 Resp: 1083555

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	21.9	17.0	25.6

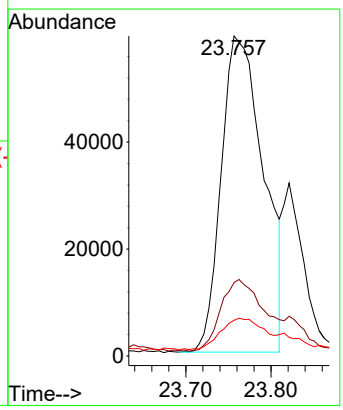


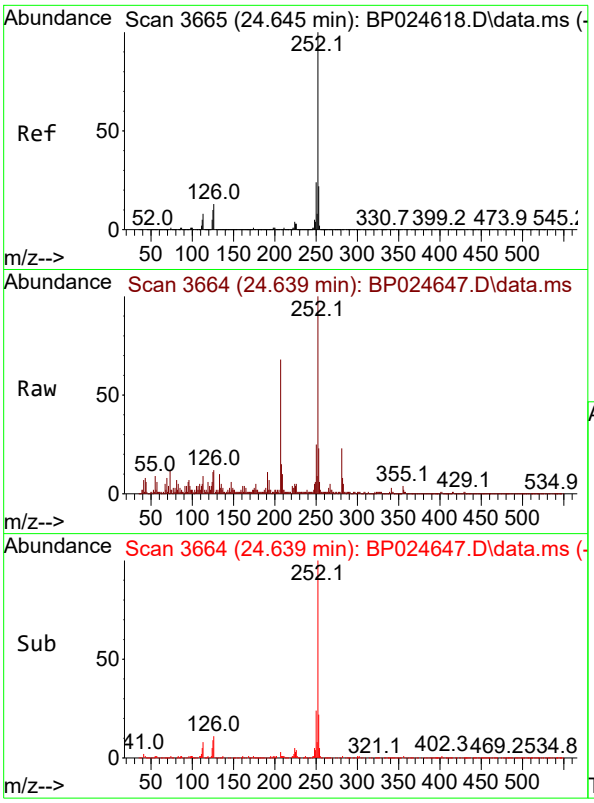


#88
Benzo(b)fluoranthene
Concen: 3.286 ng
RT: 23.757 min Scan# 3514
Delta R.T. -0.000 min
Lab File: BP024647.D
Acq: 15 May 2025 21:25

Tgt Ion:252 Resp: 203807

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.7	26.5
125	11.1	7.5	11.3



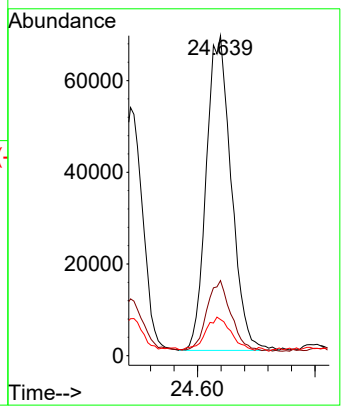


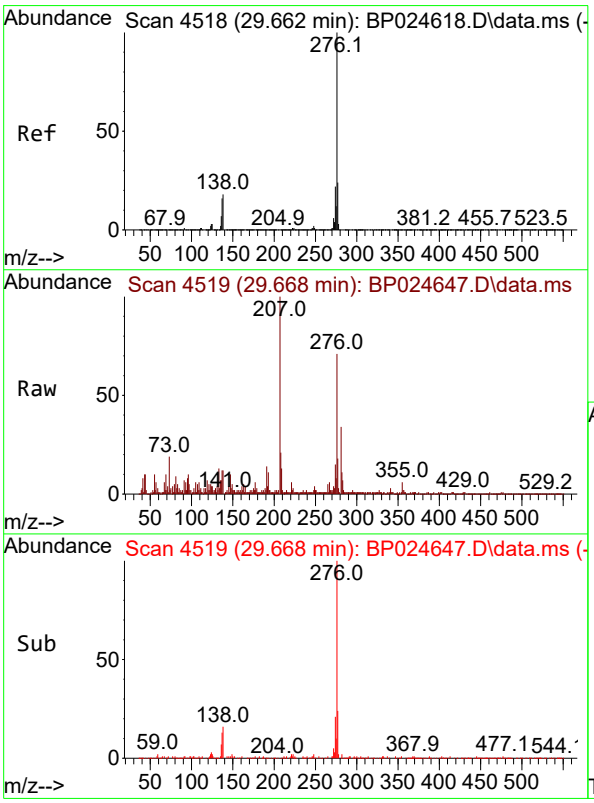
#90
Benzo(a)pyrene
Concen: 3.402 ng
RT: 24.639 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024647.D
Acq: 15 May 2025 21:25

Instrument :
BNA_P
ClientSampleId :
TP-9

Tgt Ion:252 Resp: 202656

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.7	26.5
125	11.3	8.1	12.1

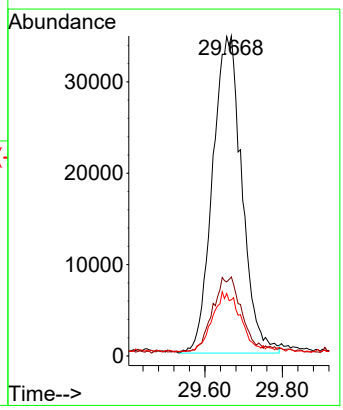




#92
Benzo(g,h,i)perylene
Concen: 2.849 ng
RT: 29.668 min Scan# 4519
Delta R.T. 0.006 min
Lab File: BP024647.D
Acq: 15 May 2025 21:25

Tgt Ion:276 Resp: 182303

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.0	28.4
138	17.5	14.4	21.6



Sample Results: **BP024647.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024647.D
Acq On : 15 May 2025 21:25
Operator : RC/JU
Sample : Q1982-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-9

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-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024647.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.828	291	296	308	rBV	152331	221666	3.85%	0.602%
2	5.287	368	374	391	rBV	1814276	2608604	45.34%	7.088%
3	6.857	633	641	660	rBV	1613109	2703579	46.99%	7.346%
4	7.663	771	778	787	rBV	596239	952319	16.55%	2.588%
5	8.810	964	973	987	rBV	933266	1645109	28.59%	4.470%
6	10.428	1239	1248	1262	rBV	676921	1300422	22.60%	3.533%
7	12.898	1660	1668	1688	rBV	2438401	3917324	68.09%	10.644%
8	14.010	1852	1857	1870	rVB	82089	140692	2.45%	0.382%
9	14.292	1898	1905	1913	rBV	1132555	1654867	28.76%	4.496%
10	15.675	2134	2140	2154	rVB	186742	290748	5.05%	0.790%
11	15.810	2154	2163	2179	rBV	2429109	3503037	60.89%	9.518%
12	17.092	2374	2381	2386	rBV2	1380414	1901181	33.04%	5.166%
13	17.227	2400	2404	2410	rVB	51847	92992	1.62%	0.253%
14	17.886	2511	2516	2519	rBV2	68912	109100	1.90%	0.296%
15	18.033	2536	2541	2546	rBV	443822	715259	12.43%	1.943%
16	18.198	2565	2569	2573	rBV2	57037	82074	1.43%	0.223%
17	19.216	2738	2742	2747	rBV	226345	316214	5.50%	0.859%
18	19.357	2763	2766	2768	rBV	92507	94710	1.65%	0.257%
19	19.592	2802	2806	2811	rVB	473482	608060	10.57%	1.652%
20	19.810	2838	2843	2849	rBV	4356004	5753424	100.00%	15.633%
21	20.027	2877	2880	2881	rBV	116745	111510	1.94%	0.303%
22	20.327	2926	2931	2937	rVB2	213648	382291	6.64%	1.039%
23	20.757	3001	3004	3011	rVB7	128702	242215	4.21%	0.658%
24	21.186	3072	3077	3088	rVB2	251226	498532	8.66%	1.355%
25	21.510	3126	3132	3139	rBV2	1518788	2714051	47.17%	7.374%
26	21.674	3153	3160	3166	rBV4	330072	894428	15.55%	2.430%
27	22.274	3257	3262	3264	rBV3	545626	815956	14.18%	2.217%
28	24.804	3684	3692	3701	rVB	1006573	2533558	44.04%	6.884%

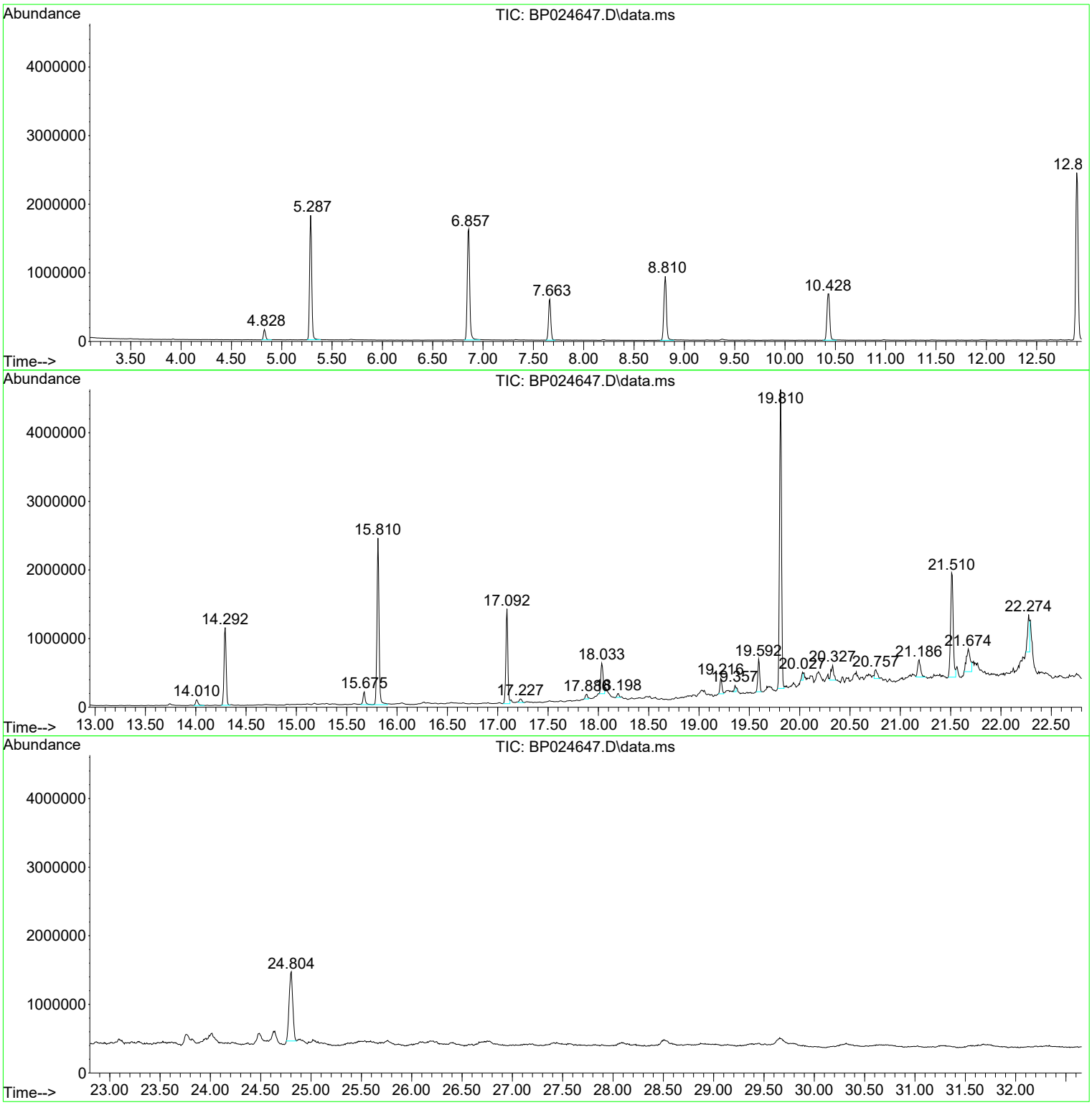
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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024647.D
Acq On : 15 May 2025 21:25
Operator : RC/JU
Sample : Q1982-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-9

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.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\BP051525\
Data File : BP024647.D
Acq On : 15 May 2025 21:25
Operator : RC/JU
Sample : Q1982-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-9

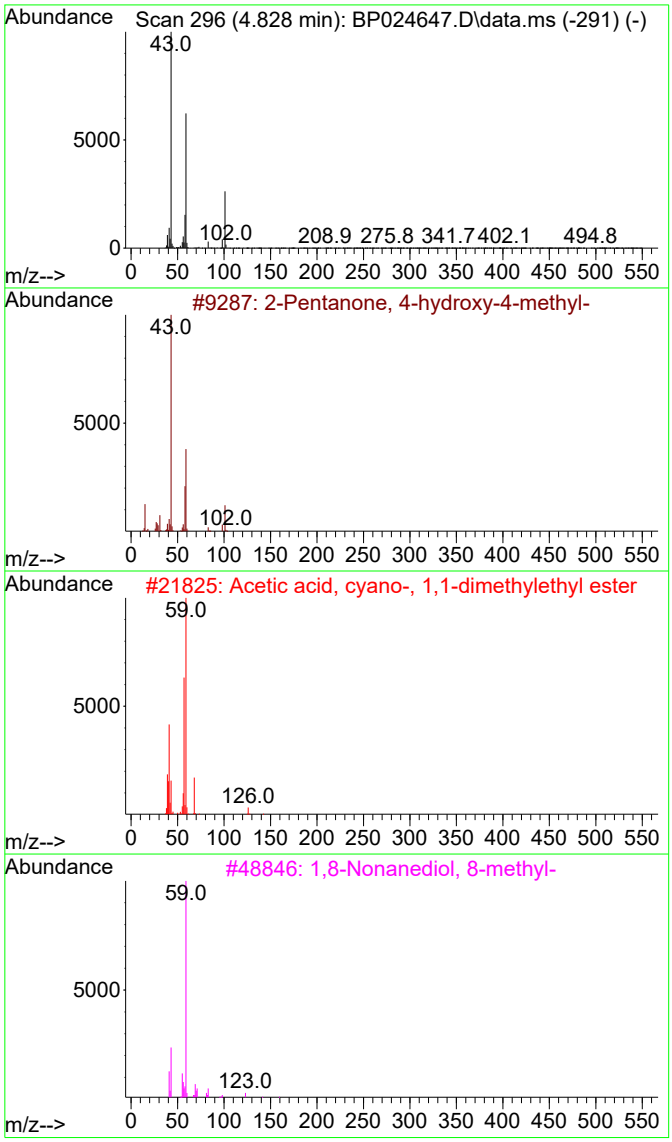
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

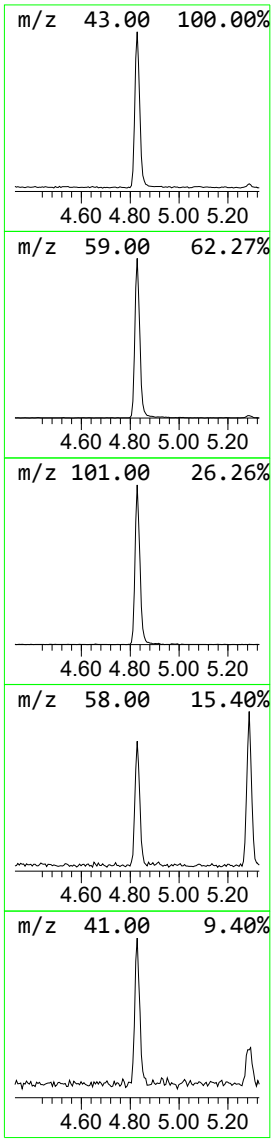
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.828	4.66 ng	221666	1,4-Dichlorobenzene-d4	7.663

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	17
3	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	17
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024647.D
Acq On : 15 May 2025 21:25
Operator : RC/JU
Sample : Q1982-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-9

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

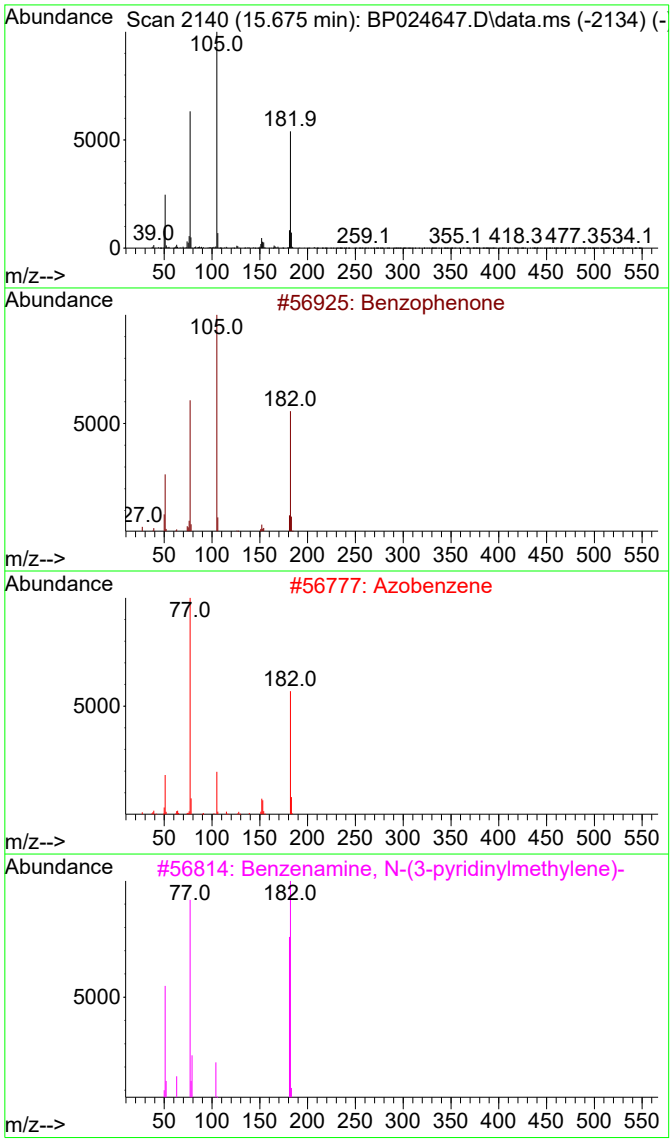
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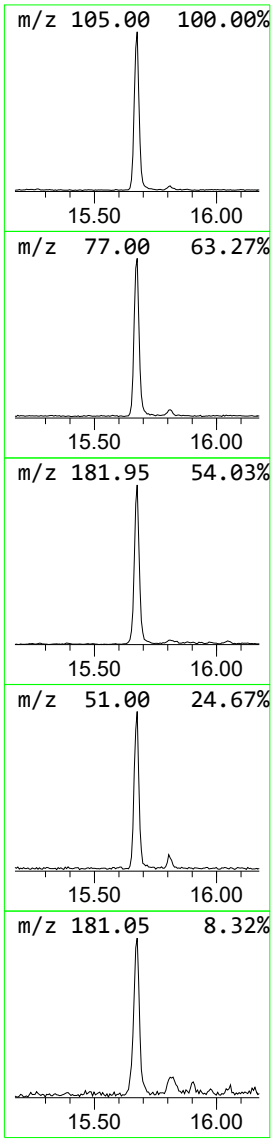
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Peak Number 2 Benzophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.675	3.51 ng	290748	Acenaphthene-d10	14.292

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	64
3	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	45
4	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	40
5	Clidinium Bromide	431	C22H26BrNO3	003485-62-9	33





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024647.D
Acq On : 15 May 2025 21:25
Operator : RC/JU
Sample : Q1982-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-9

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

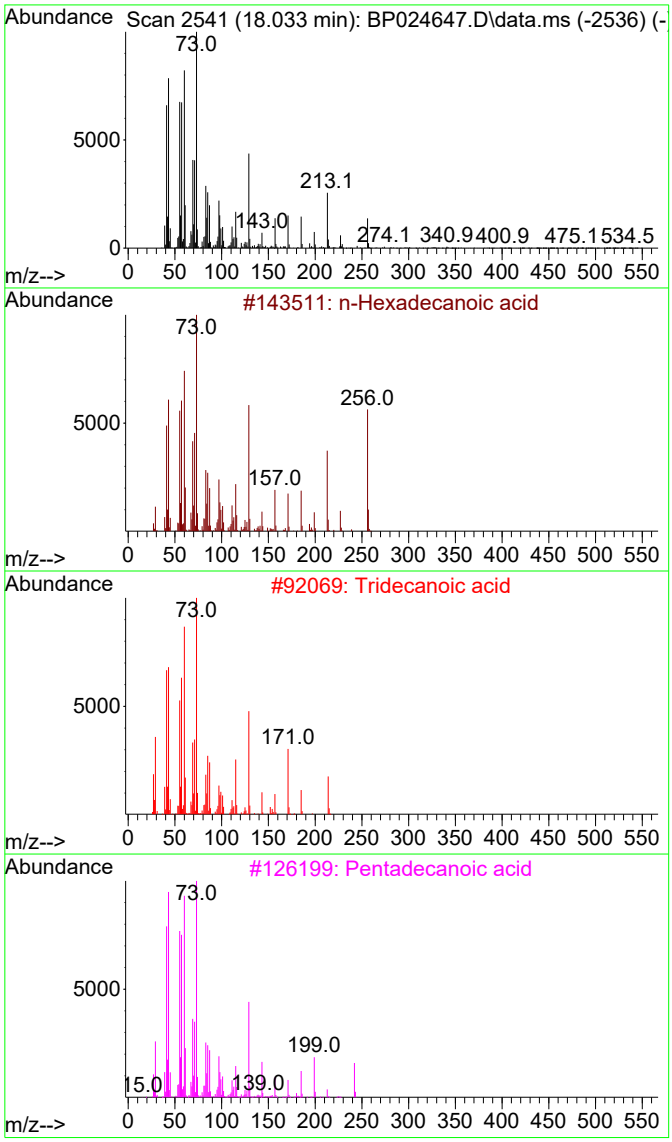
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TIC Integration Parameters: LSCINT.P

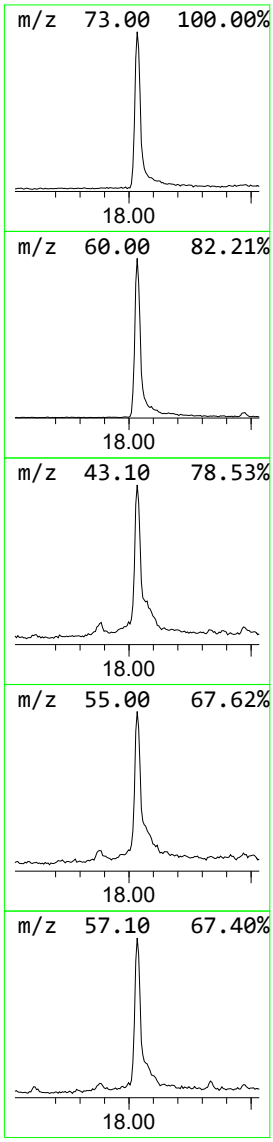
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.033	7.52 ng	715259	Phenanthrene-d10	17.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Octadecanoic acid	284	C18H36O2	000057-11-4	90
5	Undecanoic acid	186	C11H22O2	000112-37-8	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024647.D
Acq On : 15 May 2025 21:25
Operator : RC/JU
Sample : Q1982-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-9

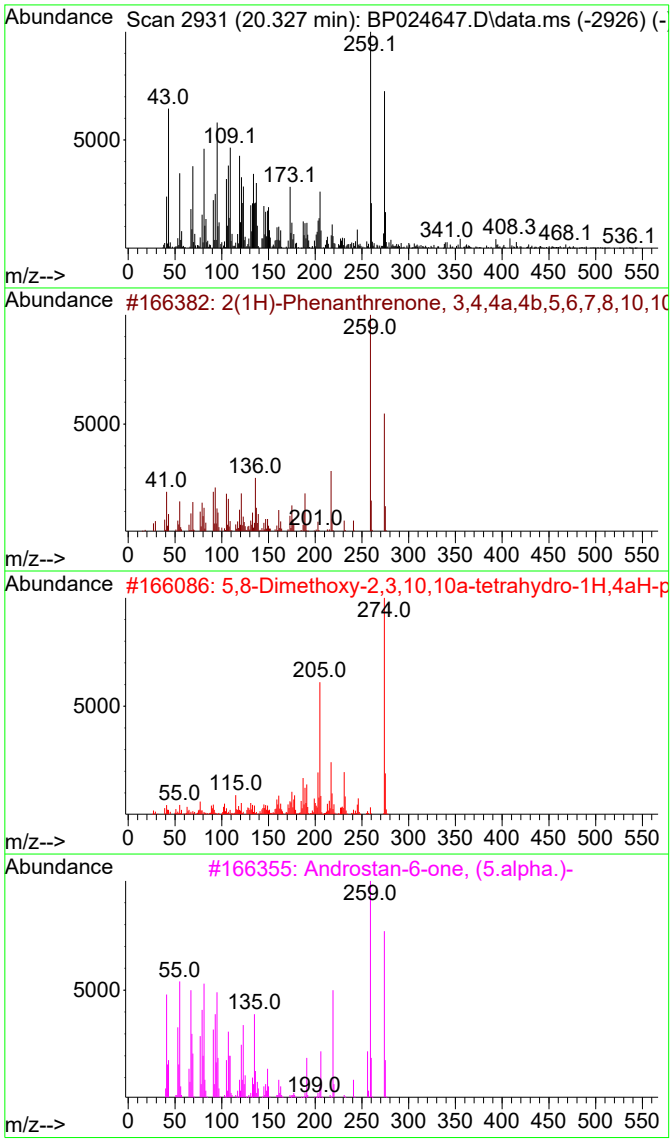
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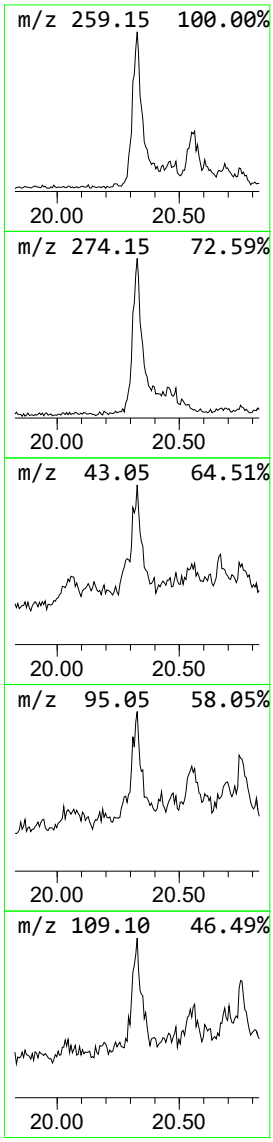
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 2(1H)-Phenanthrenone, 3,4,4... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.327	2.82 ng	382291	Chrysene-d12	21.515

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Phenanthrenone, 3,4,4a,4b,...	274	C19H30O	007715-44-8	83
2	5,8-Dimethoxy-2,3,10,10a-tetrahy...	274	C16H18O4	093240-99-4	56
3	Androstan-6-one, (5.alpha.)-	274	C19H30O	003676-06-0	53
4	(3S,6bR,8aR,12bS,14aR)-4,4,6b,8a...	468	C32H52O2	1000441-99-4	53
5	D-Homoandrostane, (5.alpha.,13.a...	274	C20H34	054482-31-4	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024647.D
Acq On : 15 May 2025 21:25
Operator : RC/JU
Sample : Q1982-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-9

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

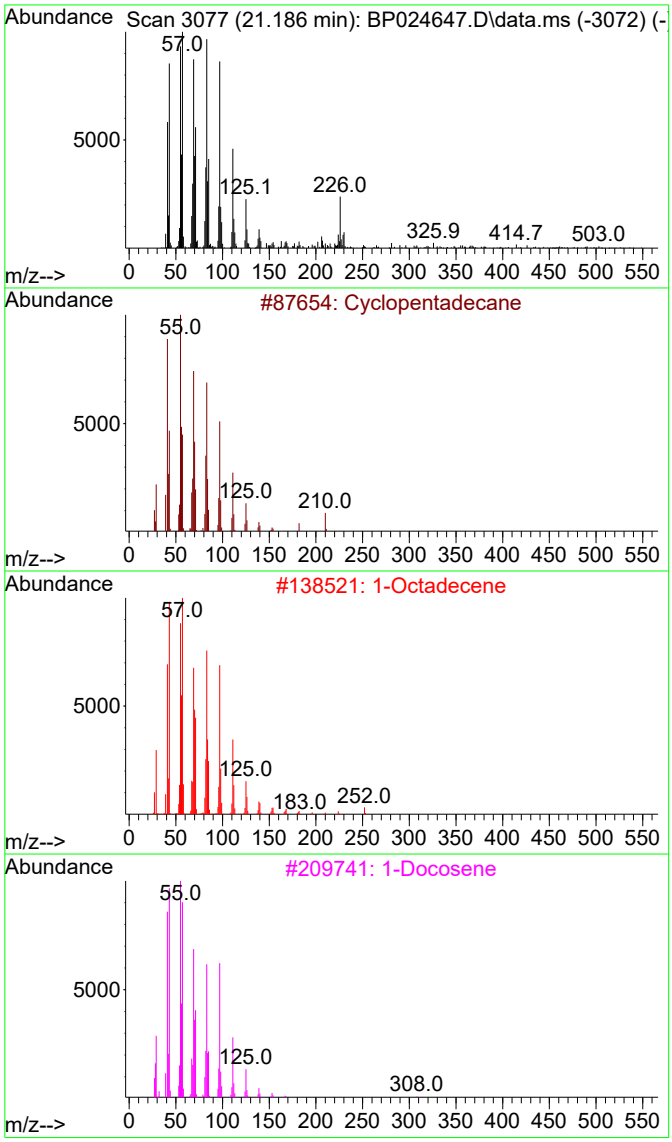
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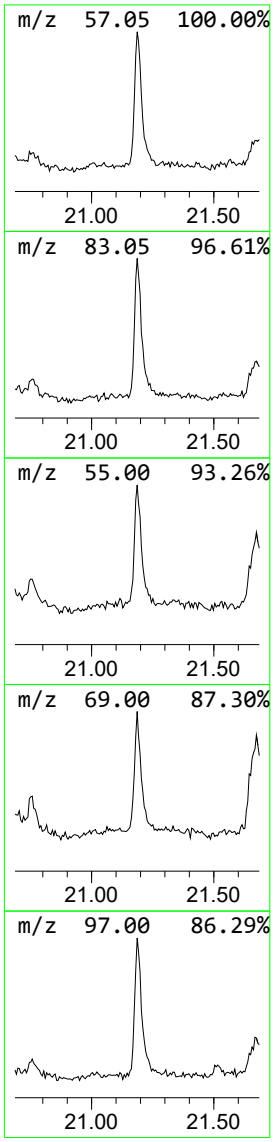
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Peak Number 5 Cyclopentadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.186	3.67 ng	498532	Chrysene-d12	21.515

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentadecane	210	C15H30	000295-48-7	97
2	1-Octadecene	252	C18H36	000112-88-9	96
3	1-Docosene	308	C22H44	001599-67-3	94
4	1-Tricosene	322	C23H46	018835-32-0	94
5	Cyclohexadecane	224	C16H32	000295-65-8	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024647.D
Acq On : 15 May 2025 21:25
Operator : RC/JU
Sample : Q1982-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-9

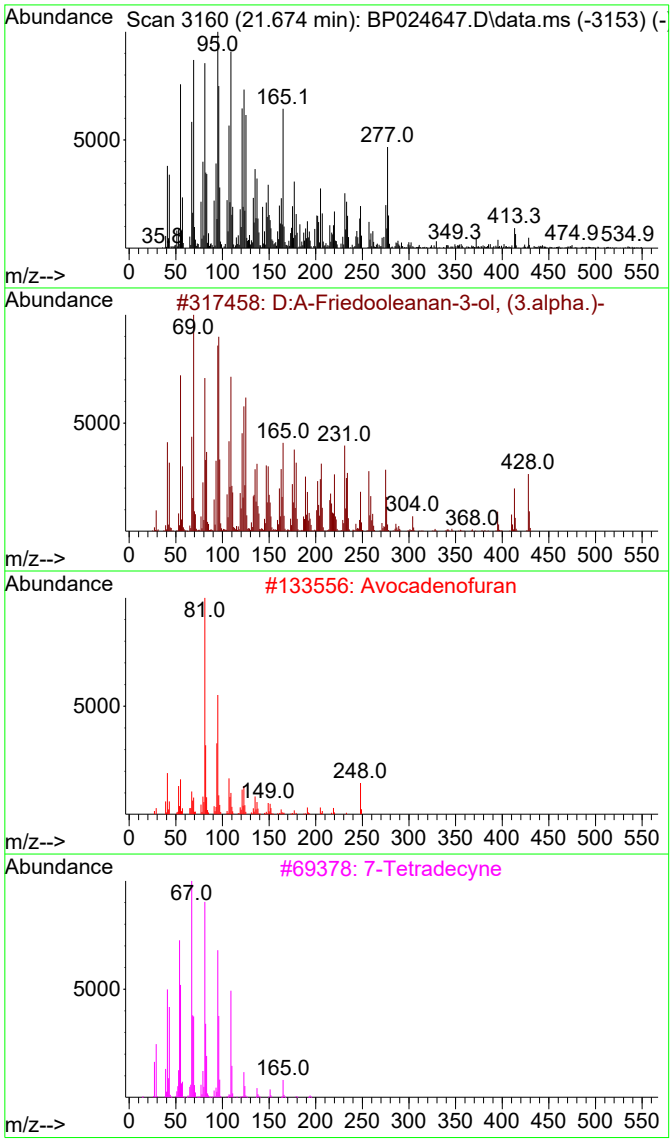
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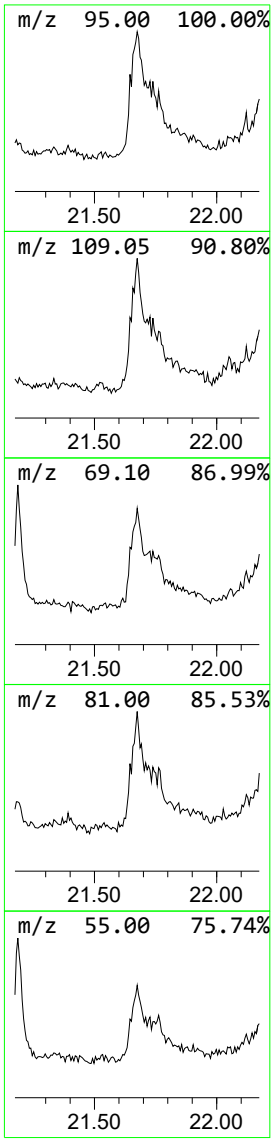
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 D:A-Friedooleanan-3-ol, (3.... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.674	6.59 ng	894428	Chrysene-d12	21.515

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D:A-Friedooleanan-3-ol, (3.alpha.)-	428	C30H52O	005085-72-3	86
2	Avocadenofuran	248	C17H28O	025346-24-1	55
3	7-Tetradecyne	194	C14H26	035216-11-6	45
4	2-(Benzyloxymethyl)-5-methylfuran	202	C13H14O2	223696-93-3	38
5	Naphthalene, decahydro-1,6-dimet...	278	C20H38	056248-64-7	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024647.D
Acq On : 15 May 2025 21:25
Operator : RC/JU
Sample : Q1982-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-9

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

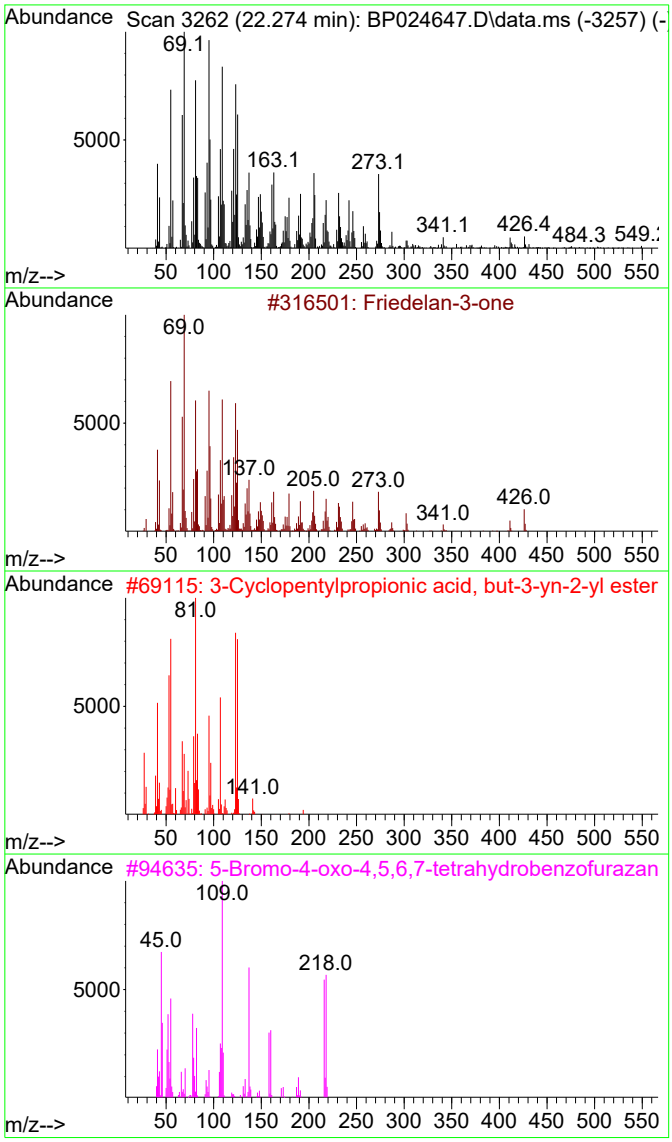
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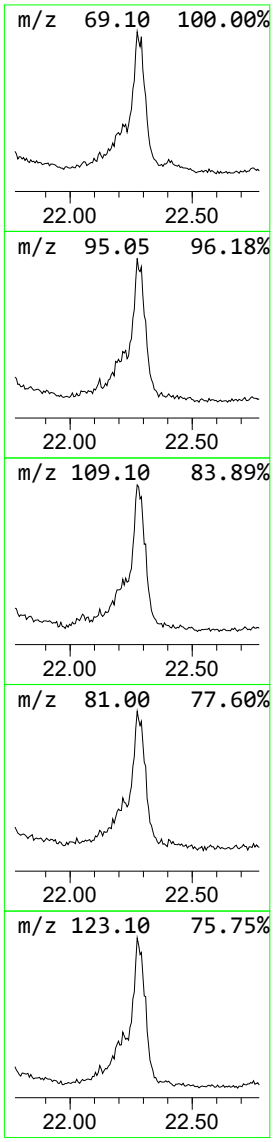
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Peak Number 7 Friedelan-3-one Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.274	6.01 ng	815956	Chrysene-d12	21.515

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Friedelan-3-one	426	C30H50O	000559-74-0	90
2	3-Cyclopentylpropionic acid, but...	194	C12H18O2	1000292-46-4	60
3	5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216	C6H5BrN2O2	300574-36-1	59
4	Silane, monochloride, methylviny...	218	C10H19ClOSi	1000421-09-7	55
5	1H-Cycloprop[e]azulen-4-ol, deca...	222	C15H26O	000552-02-3	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024647.D
Acq On : 15 May 2025 21:25
Operator : RC/JU
Sample : Q1982-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-9

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.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-...	4.828	4.7	ng	221666	1	7.663	952319	20.0
Benzophenone	15.675	3.5	ng	290748	3	14.292	1654870	20.0
n-Hexadecanoic ...	18.033	7.5	ng	715259	4	17.092	1901180	20.0
2(1H)-Phenanthr...	20.327	2.8	ng	382291	5	21.515	2714050	20.0
Cyclopentadecane	21.186	3.7	ng	498532	5	21.515	2714050	20.0
D:A-Friedoolean...	21.674	6.6	ng	894428	5	21.515	2714050	20.0
Friedelan-3-one	22.274	6.0	ng	815956	5	21.515	2714050	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142394.D
Acq On : 15 May 2025 16:10
Operator : RC/JU
Sample : PB167953BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167953BL

Quant Time: May 15 16:28:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

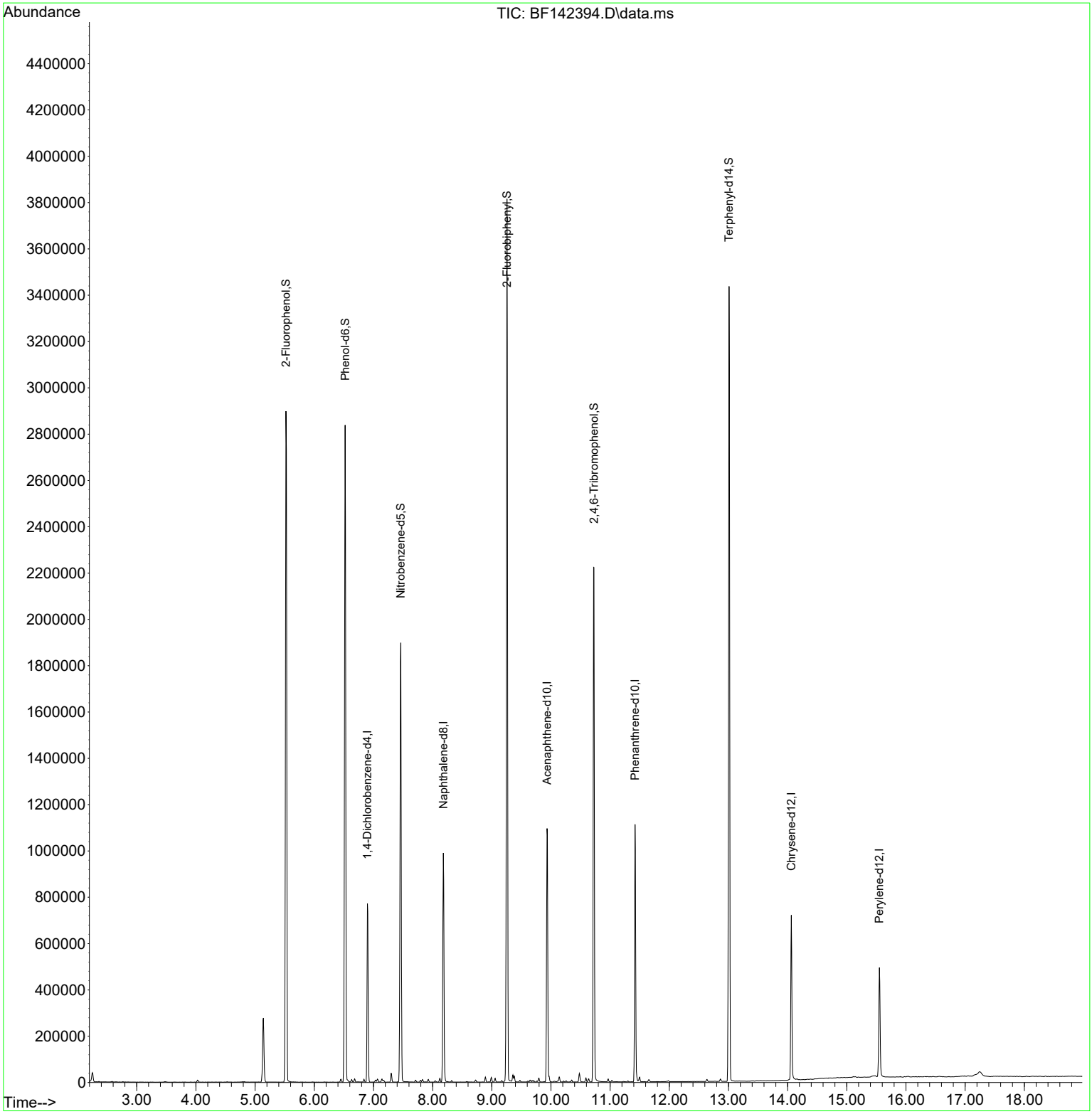
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	167151	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	651521	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	343903	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	581369	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	340684	20.000	ng	0.00
86) Perylene-d12	15.551	264	283265	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1185177	121.040	ng	0.01
7) Phenol-d6	6.522	99	1424873	118.316	ng	0.00
23) Nitrobenzene-d5	7.463	82	882042	82.566	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	438629	132.104	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1808294	74.975	ng	0.00
79) Terphenyl-d14	13.010	244	1741142	75.644	ng	0.00
Target Compounds						Qvalue

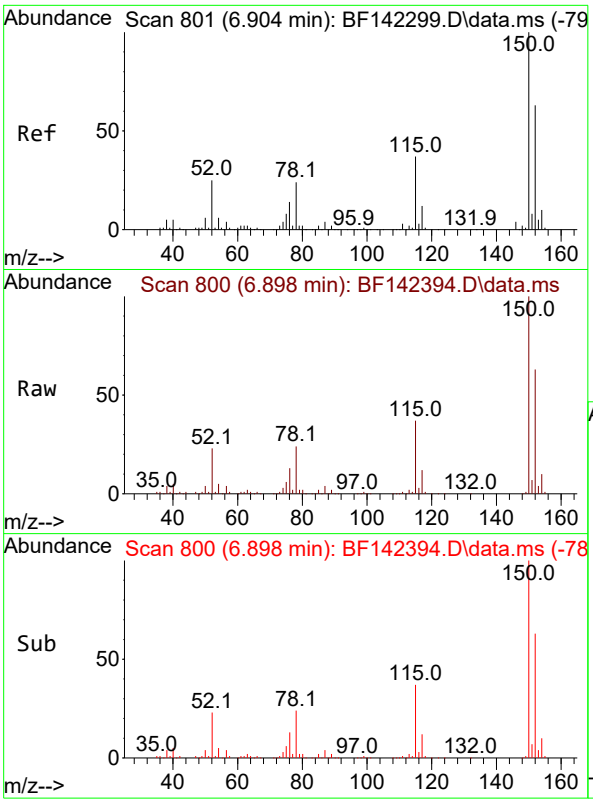
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Data File : BF142394.D
Acq On : 15 May 2025 16:10
Operator : RC/JU
Sample : PB167953BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167953BL

Quant Time: May 15 16:28:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration



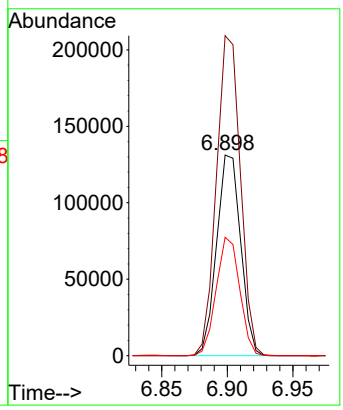


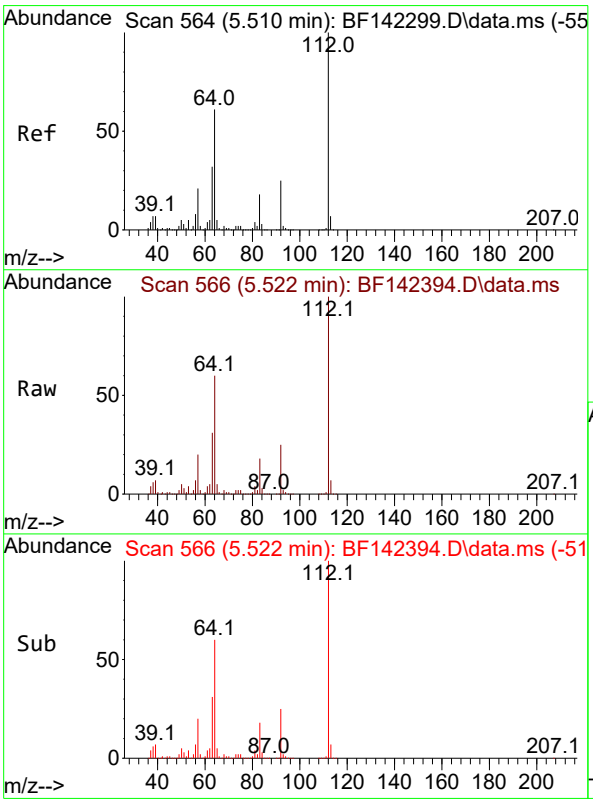
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Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142394.D
Acq: 15 May 2025 16:10

Instrument :
BNA_F
ClientSampleId :
PB167953BL

Tgt Ion:152 Resp: 167151

Ion	Ratio	Lower	Upper
152	100		
150	159.5	126.6	190.0
115	59.0	47.3	70.9

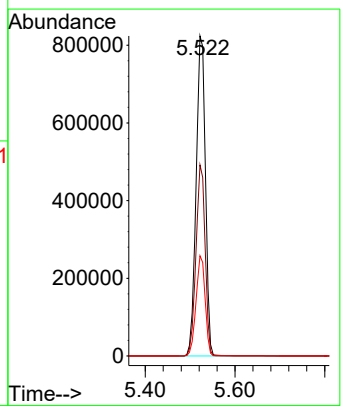


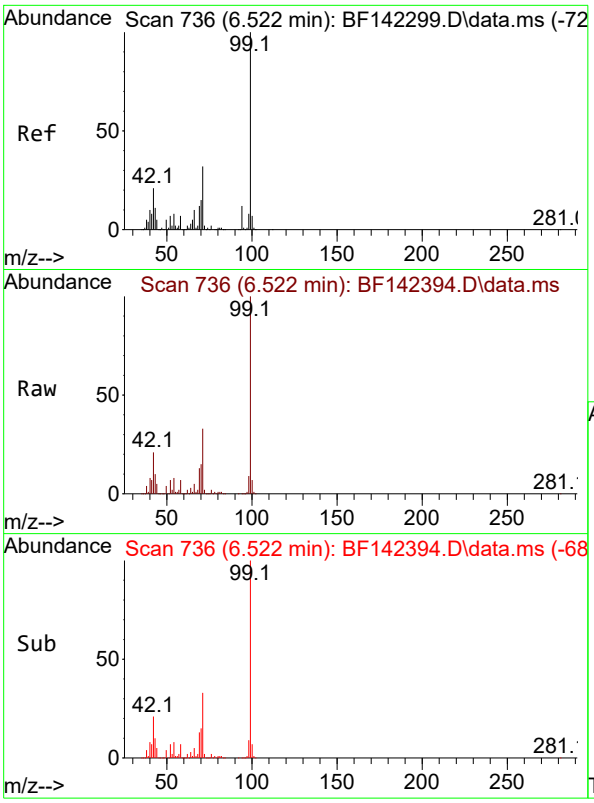


#5
2-Fluorophenol
Concen: 121.040 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF142394.D
Acq: 15 May 2025 16:10

Tgt Ion:112 Resp: 1185177

Ion	Ratio	Lower	Upper
112	100		
64	59.7	48.9	73.3
63	31.3	25.6	38.4



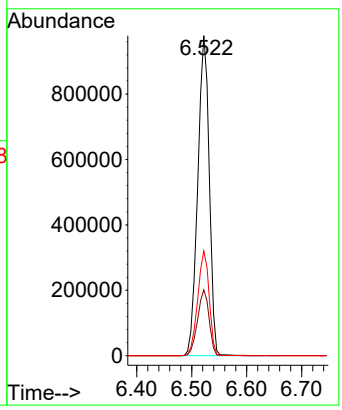


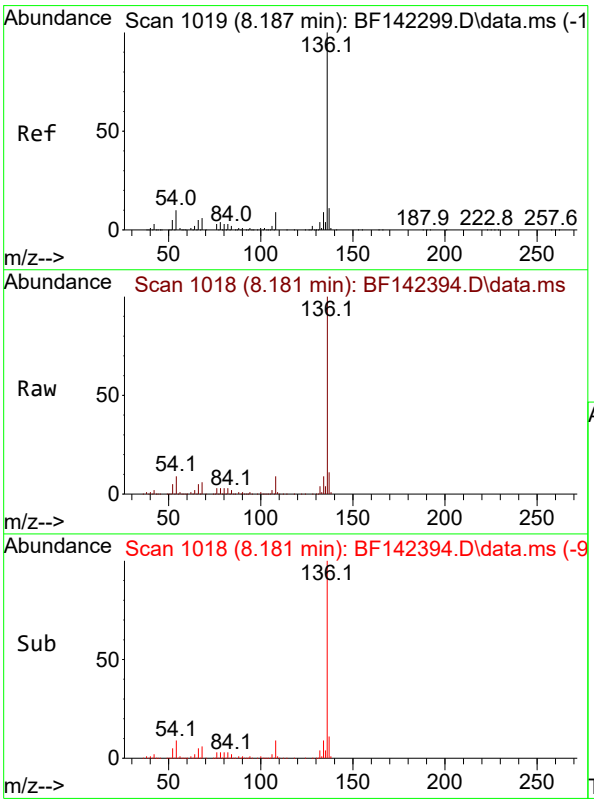
#7
Phenol-d6
Concen: 118.316 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142394.D
Acq: 15 May 2025 16:10

Instrument :
BNA_F
ClientSampleId :
PB167953BL

Tgt Ion: 99 Resp: 1424873

Ion	Ratio	Lower	Upper
99	100		
42	20.6	17.0	25.4
71	32.8	25.8	38.8

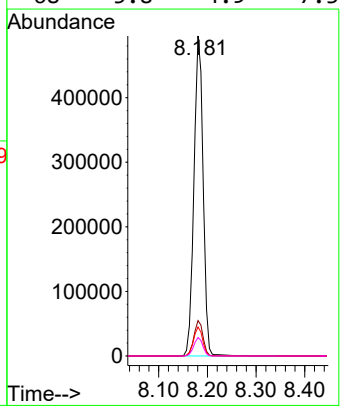


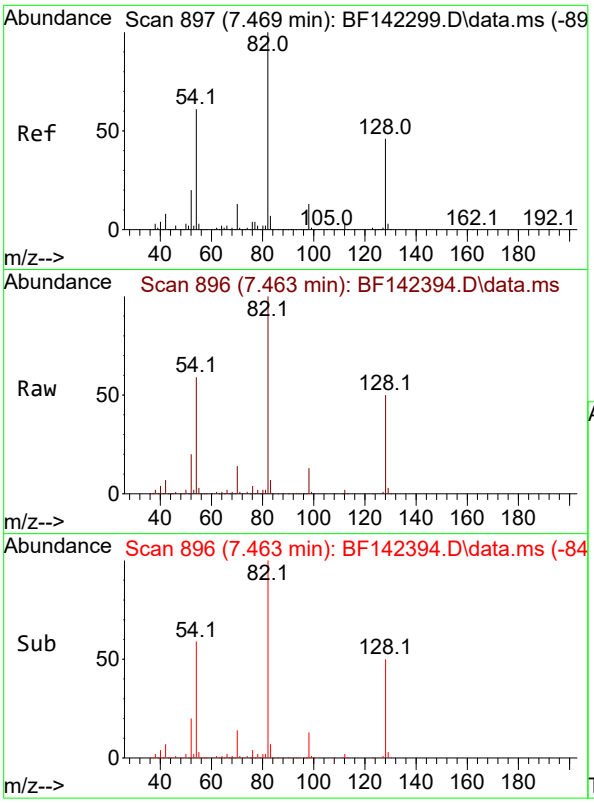


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142394.D
Acq: 15 May 2025 16:10

Tgt Ion:136 Resp: 651521

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.1	7.7	11.5
68	5.8	4.9	7.3



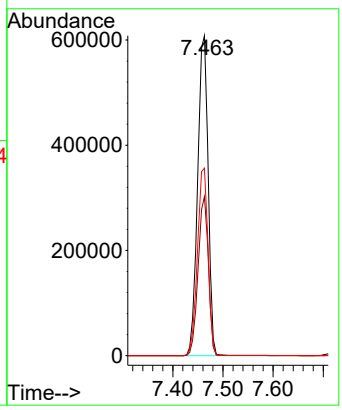


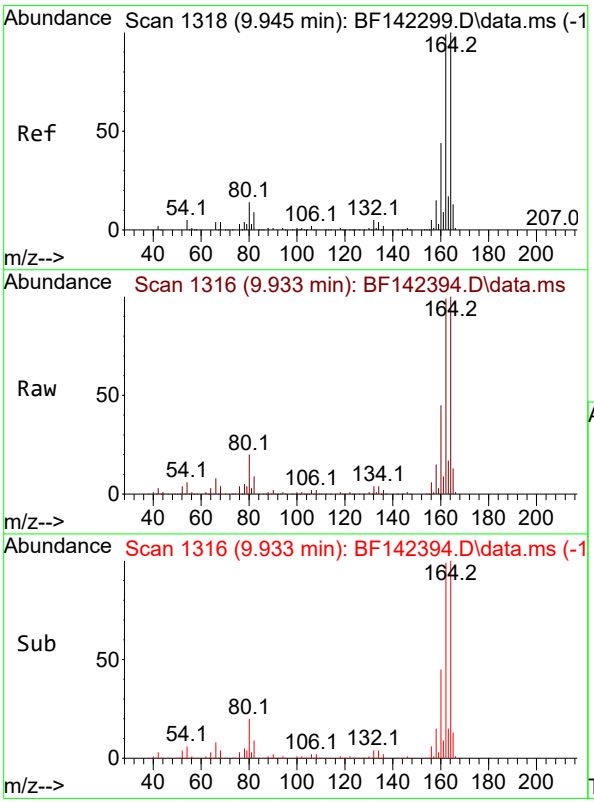
#23
Nitrobenzene-d5
Concen: 82.566 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142394.D
Acq: 15 May 2025 16:10

Instrument :
BNA_F
ClientSampleId :
PB167953BL

Tgt Ion: 82 Resp: 882042

Ion	Ratio	Lower	Upper
82	100		
128	49.7	37.0	55.6
54	58.6	48.6	73.0

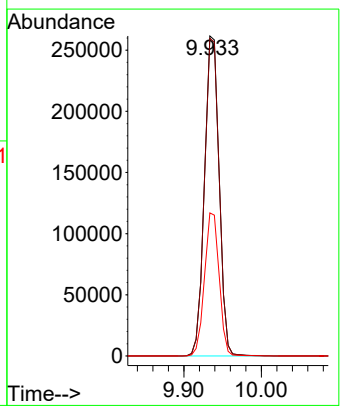


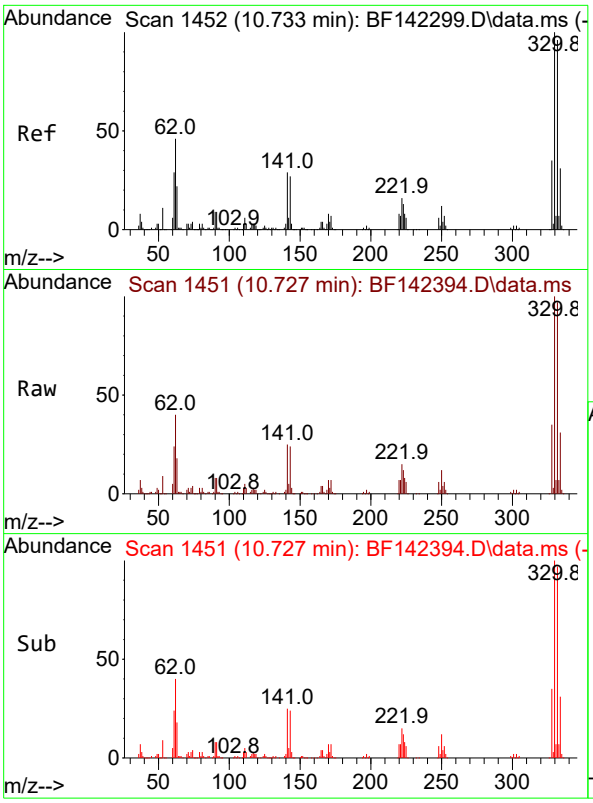


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142394.D
Acq: 15 May 2025 16:10

Tgt Ion:164 Resp: 343903

Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.2	118.8
160	44.7	35.3	52.9



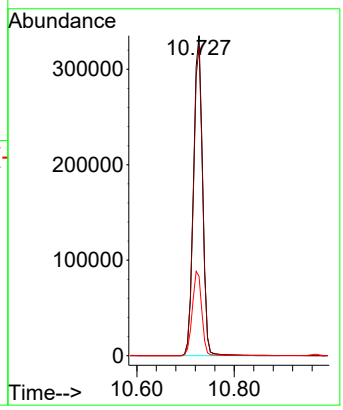


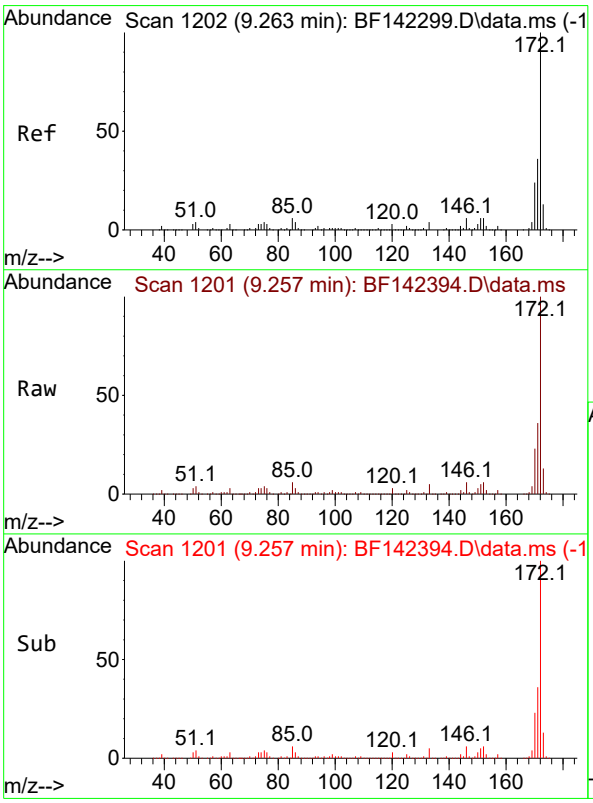
#42
2,4,6-Tribromophenol
Concen: 132.104 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142394.D
Acq: 15 May 2025 16:10

Instrument :
BNA_F
ClientSampleId :
PB167953BL

Tgt Ion:330 Resp: 438629

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.8	115.2
141	27.3	24.9	37.3

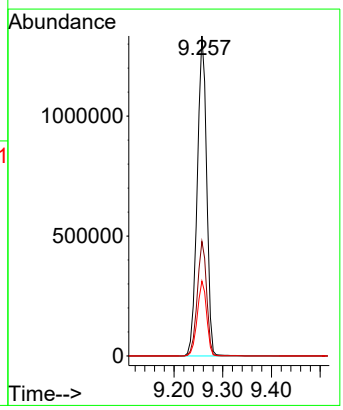


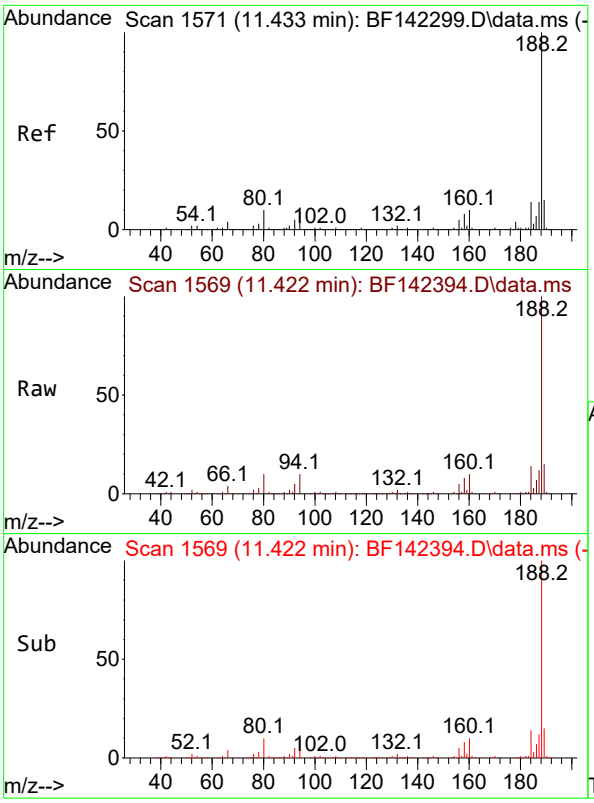


#45
2-Fluorobiphenyl
Concen: 74.975 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142394.D
Acq: 15 May 2025 16:10

Tgt Ion:172 Resp: 1808294

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	42.8
170	23.4	19.0	28.4



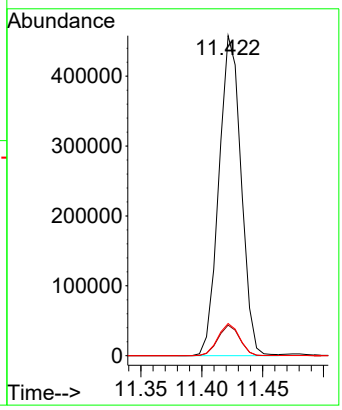


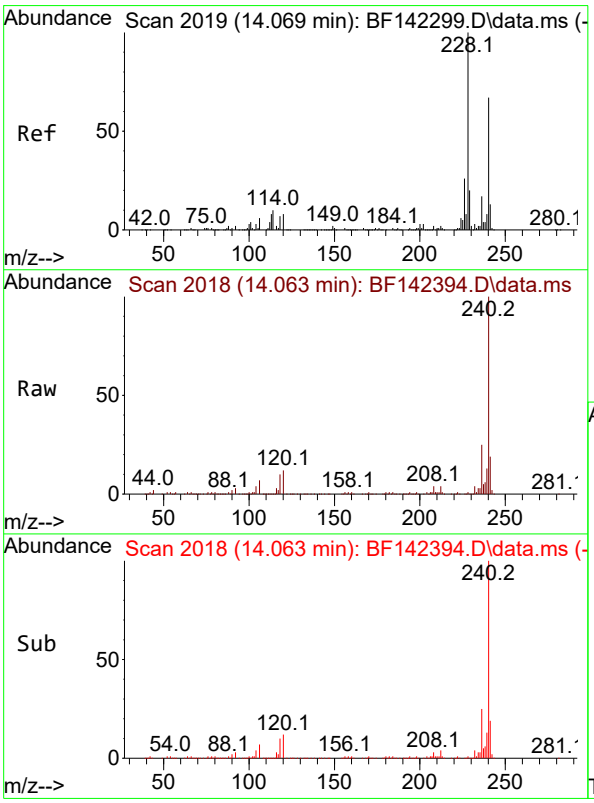
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142394.D
Acq: 15 May 2025 16:10

Instrument :
BNA_F
ClientSampleId :
PB167953BL

Tgt Ion:188 Resp: 581369

Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.5	11.3
80	10.1	7.9	11.9

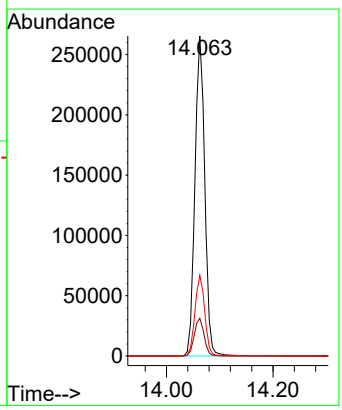


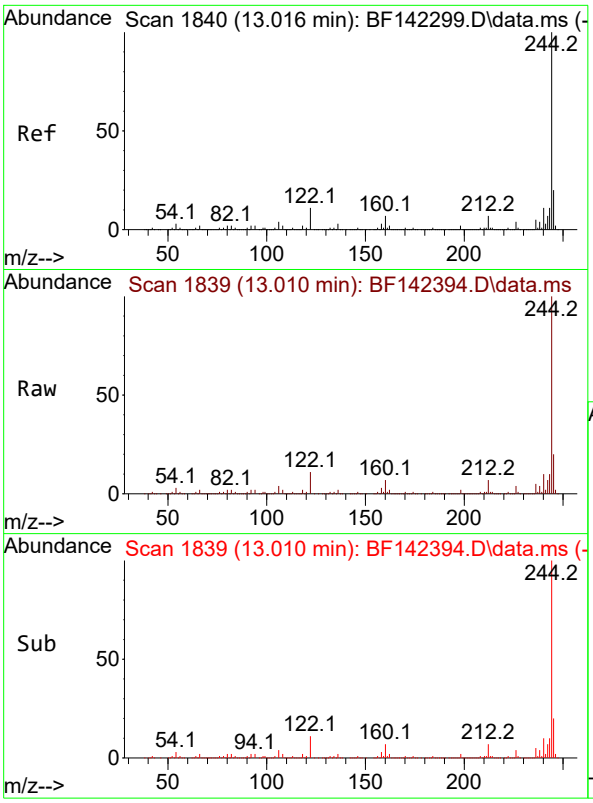


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142394.D
Acq: 15 May 2025 16:10

Tgt Ion:240 Resp: 340684

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.7	14.5
236	25.2	20.0	30.0



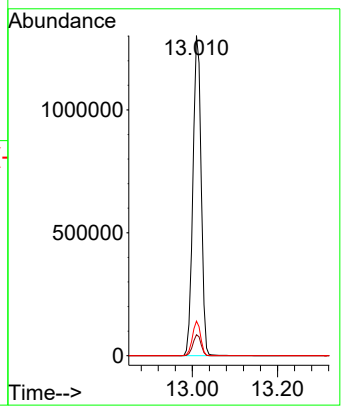


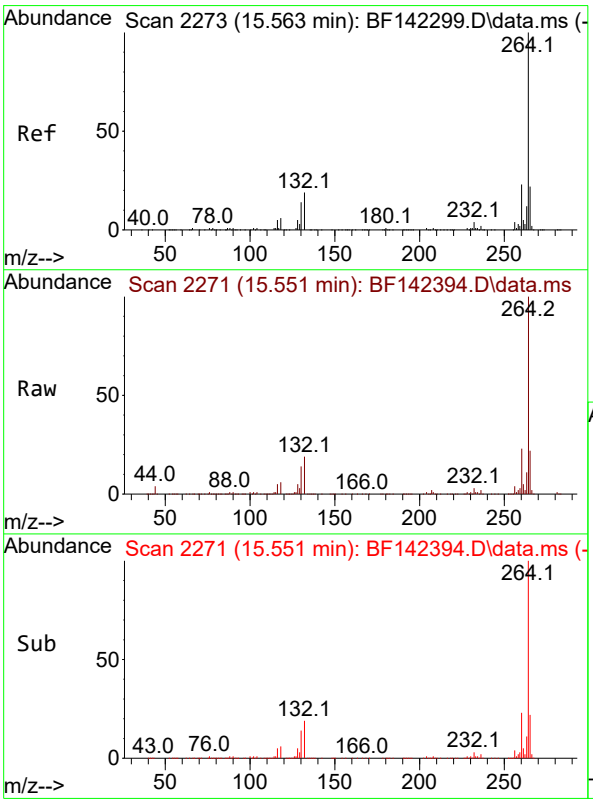
#79
Terphenyl-d14
Concen: 75.644 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142394.D
Acq: 15 May 2025 16:10

Instrument :
BNA_F
ClientSampleId :
PB167953BL

Tgt Ion:244 Resp: 1741142

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.2
122	10.8	9.0	13.4

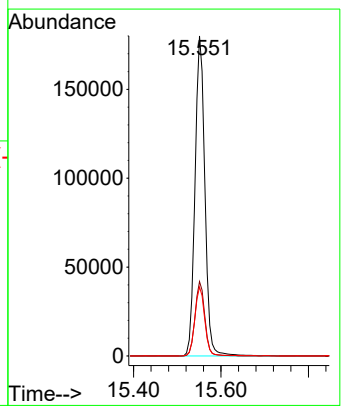




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF142394.D
Acq: 15 May 2025 16:10

Tgt Ion:264 Resp: 283265

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	27.8
265	21.5	17.5	26.3



Sample Results: **BF142394.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142394.D
Acq On : 15 May 2025 16:10
Operator : RC/JU
Sample : PB167953BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167953BL

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-BF050525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142394.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.252	3	10	17	rVB	39905	68812	1.35%	0.221%
2	5.140	493	501	511	rVB	276806	460850	9.05%	1.479%
3	5.522	559	566	572	rBV	2897316	4109379	80.71%	13.187%
4	6.522	729	736	741	rBV	2837527	4135768	81.22%	13.272%
5	6.898	795	800	808	rBV	771539	984056	19.33%	3.158%
6	7.298	863	868	876	rBV	37906	52266	1.03%	0.168%
7	7.463	889	896	901	rBV	1896056	2748694	53.98%	8.821%
8	8.181	1012	1018	1030	rBV	989680	1320148	25.93%	4.237%
9	9.257	1194	1201	1206	rBV	3809371	5091745	100.00%	16.340%
10	9.933	1311	1316	1321	rBV	1093822	1436726	28.22%	4.611%
11	10.480	1404	1409	1420	rBV2	36991	51855	1.02%	0.166%
12	10.722	1444	1450	1467	rBV	2222801	3066389	60.22%	9.840%
13	11.422	1564	1569	1577	rBV	1111118	1429258	28.07%	4.587%
14	13.010	1833	1839	1845	rBV	3432781	4547695	89.32%	14.594%
15	14.063	2012	2018	2030	rBV	709575	928731	18.24%	2.980%
16	15.551	2265	2271	2283	rBV	471168	728806	14.31%	2.339%

Sum of corrected areas: 31161178

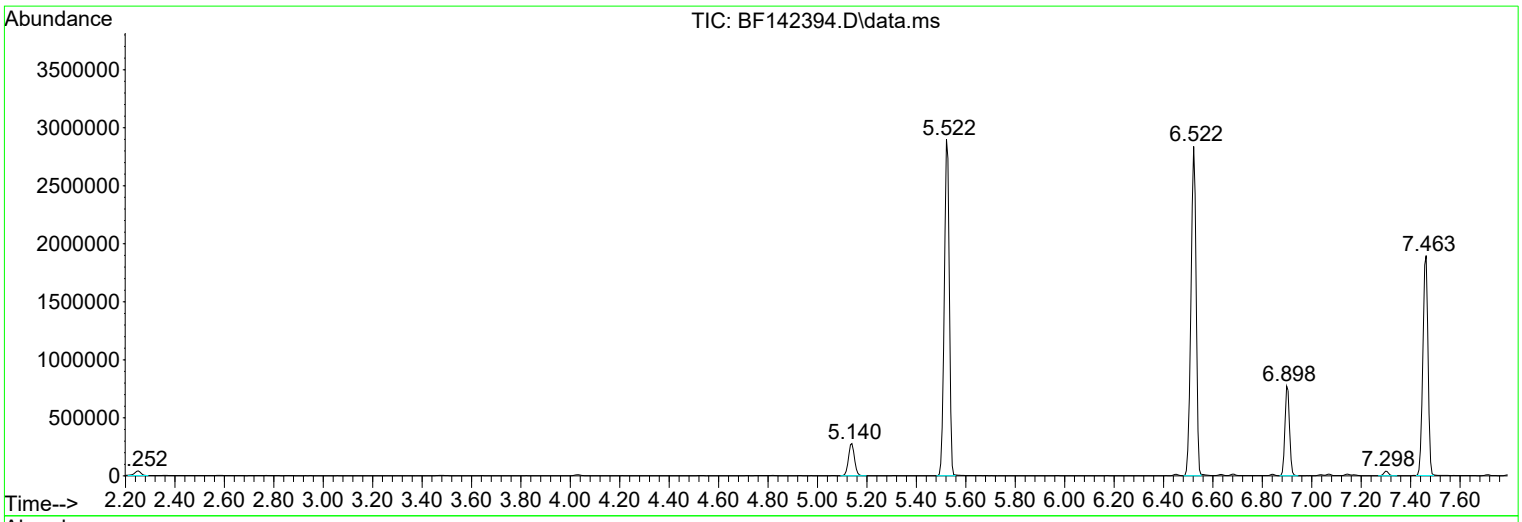
Sample Results: **BF142394.D**

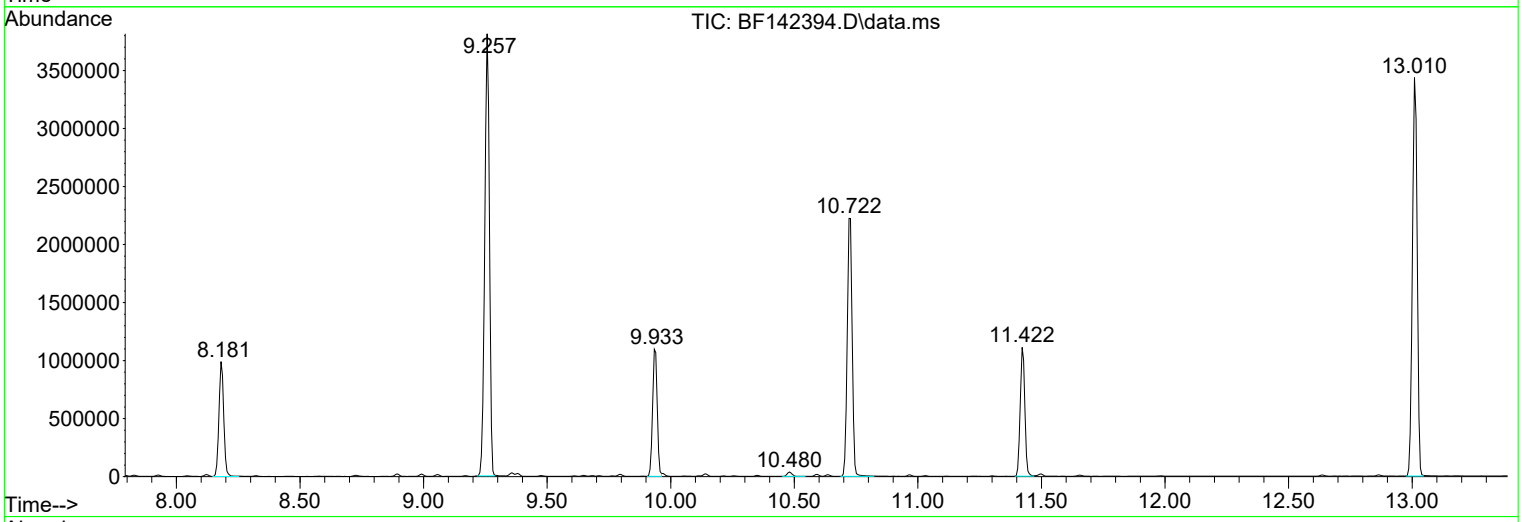
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142394.D
Acq On : 15 May 2025 16:10
Operator : RC/JU
Sample : PB167953BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

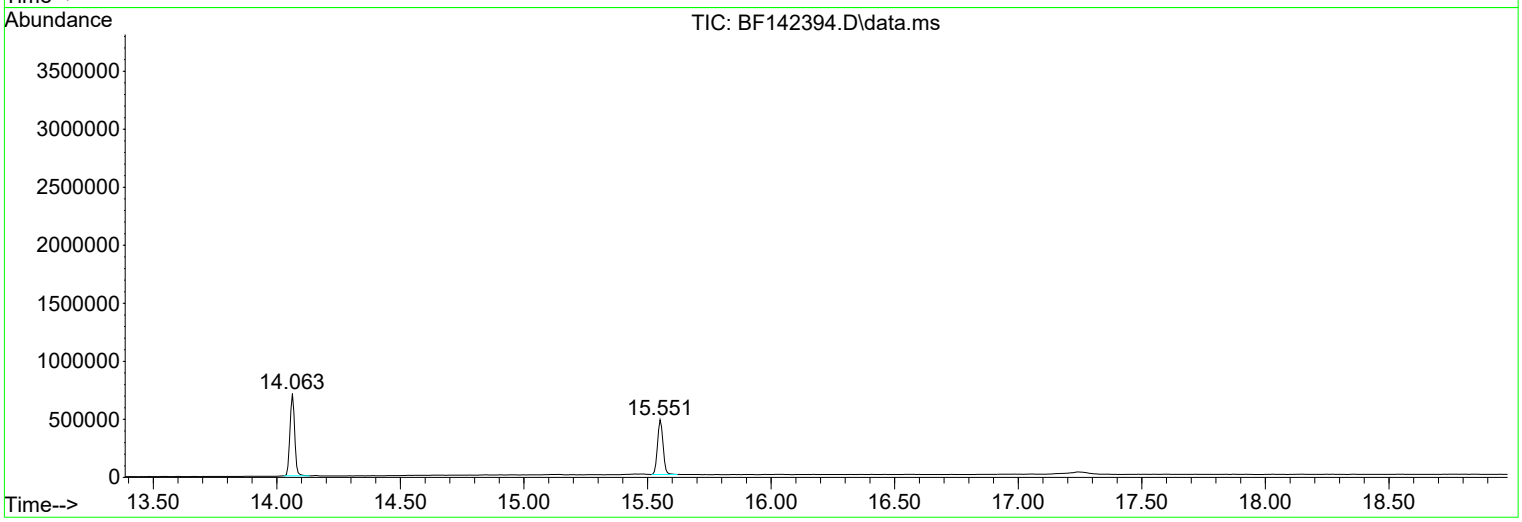
Instrument :
BNA_F
ClientSampleId :
PB167953BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.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\BF051525\
Data File : BF142394.D
Acq On : 15 May 2025 16:10
Operator : RC/JU
Sample : PB167953BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167953BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

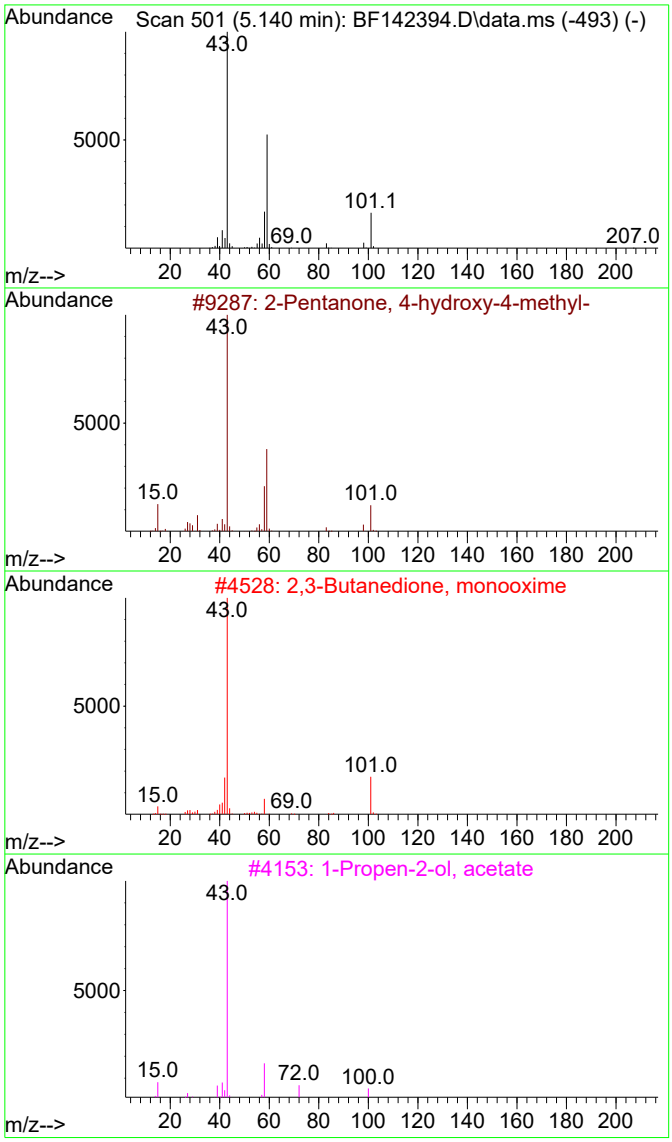
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

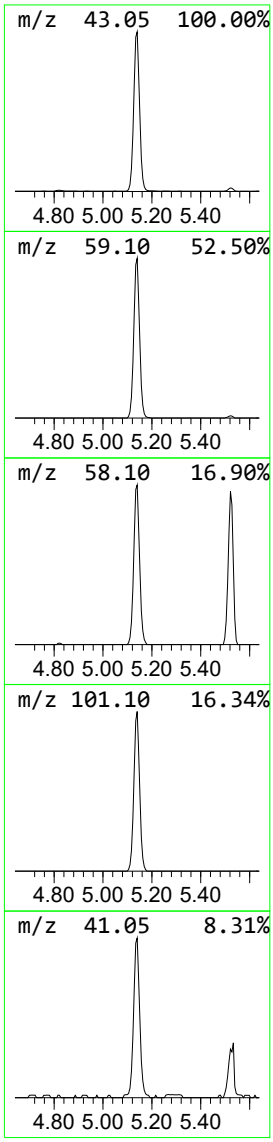
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.140	9.37 ng	460850	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	9
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142394.D
Acq On : 15 May 2025 16:10
Operator : RC/JU
Sample : PB167953BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167953BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.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-...	5.140	9.4	ng	460850	1	6.898	984056	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024635.D
Acq On : 15 May 2025 13:05
Operator : RC/JU
Sample : PB167973BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167973BL

Quant Time: May 15 13:42:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

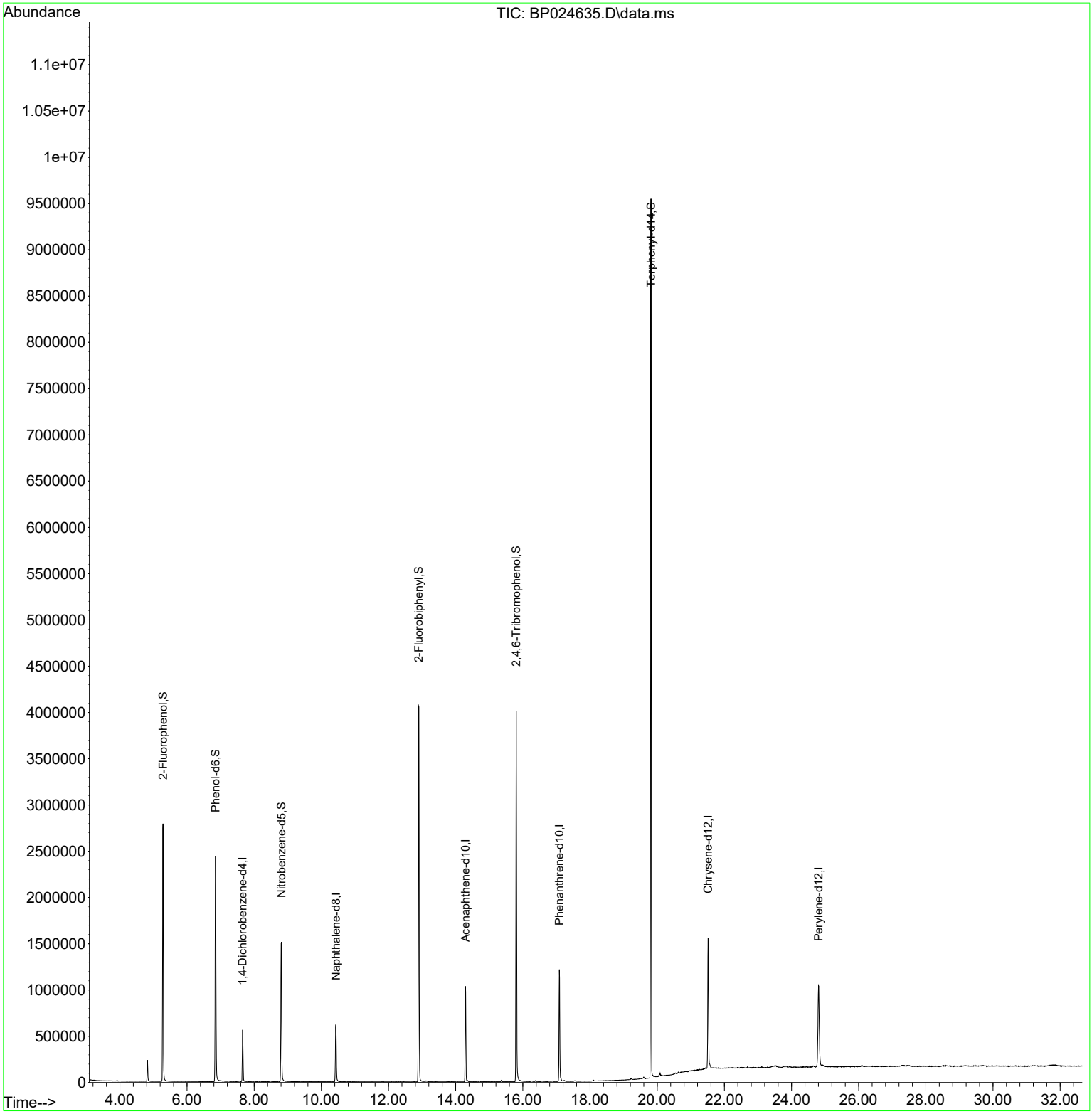
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.658	152	146276	20.000	ng	0.00
21) Naphthalene-d8	10.434	136	564318	20.000	ng	0.00
39) Acenaphthene-d10	14.293	164	357828	20.000	ng	-0.01
64) Phenanthrene-d10	17.087	188	764705	20.000	ng	-0.01
76) Chrysene-d12	21.516	240	884123	20.000	ng	0.00
86) Perylene-d12	24.804	264	966019	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	1227824	143.566	ng	0.00
7) Phenol-d6	6.852	99	1498528	137.290	ng	0.00
23) Nitrobenzene-d5	8.811	82	916951	82.100	ng	0.00
42) 2,4,6-Tribromophenol	15.804	330	871050	143.590	ng	0.00
45) 2-Fluorobiphenyl	12.904	172	2149900	78.715	ng	0.00
79) Terphenyl-d14	19.816	244	4357069	84.502	ng	0.00
Target Compounds						Qvalue

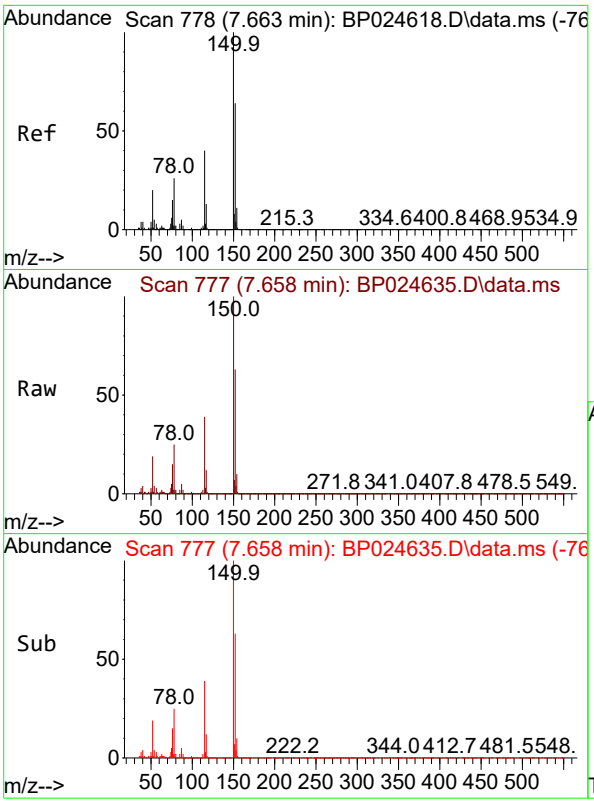
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024635.D
Acq On : 15 May 2025 13:05
Operator : RC/JU
Sample : PB167973BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167973BL

Quant Time: May 15 13:42:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



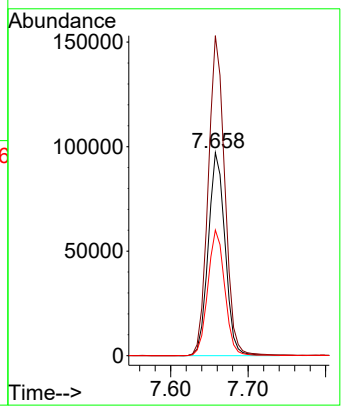


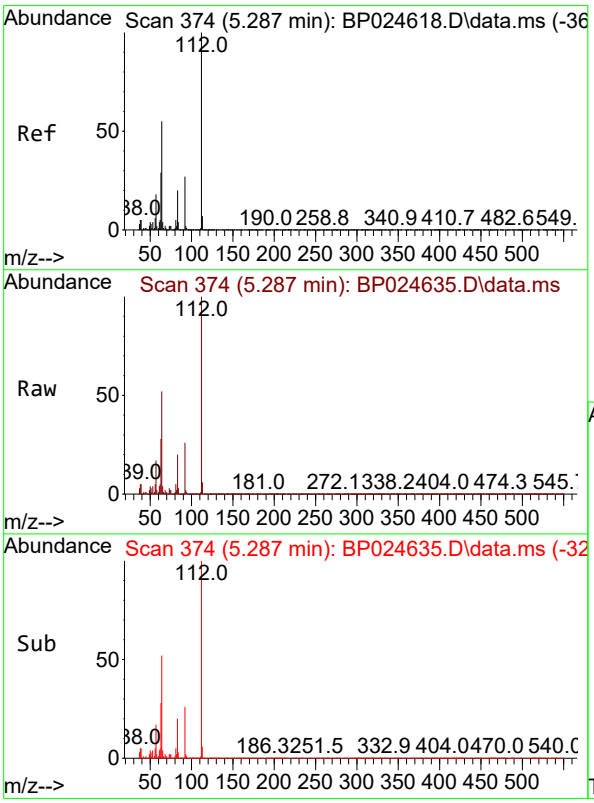
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.658 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024635.D
Acq: 15 May 2025 13:05

Instrument :
BNA_P
ClientSampleId :
PB167973BL

Tgt Ion:152 Resp: 146276

Ion	Ratio	Lower	Upper
152	100		
150	157.7	125.9	188.9
115	61.9	50.1	75.1

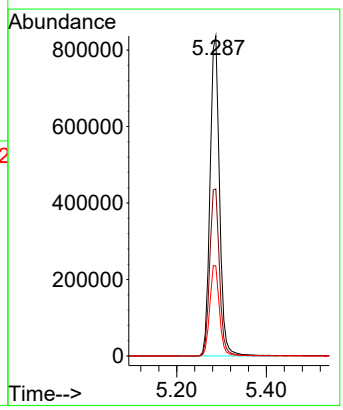


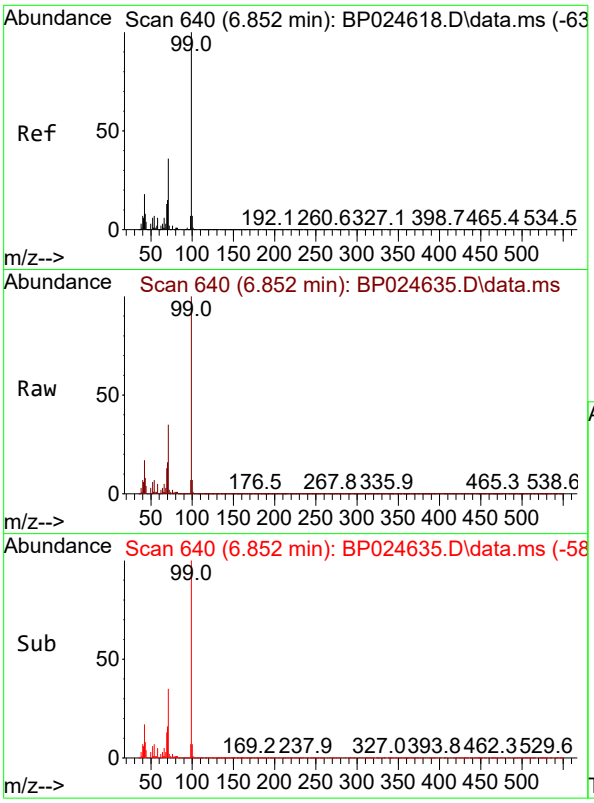


#5
2-Fluorophenol
Concen: 143.566 ng
RT: 5.287 min Scan# 374
Delta R.T. 0.000 min
Lab File: BP024635.D
Acq: 15 May 2025 13:05

Tgt Ion:112 Resp: 1227824

Ion	Ratio	Lower	Upper
112	100		
64	52.2	44.1	66.1
63	28.1	23.5	35.3



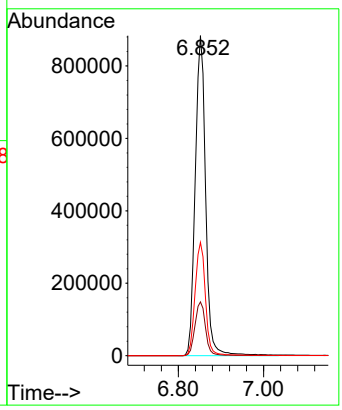


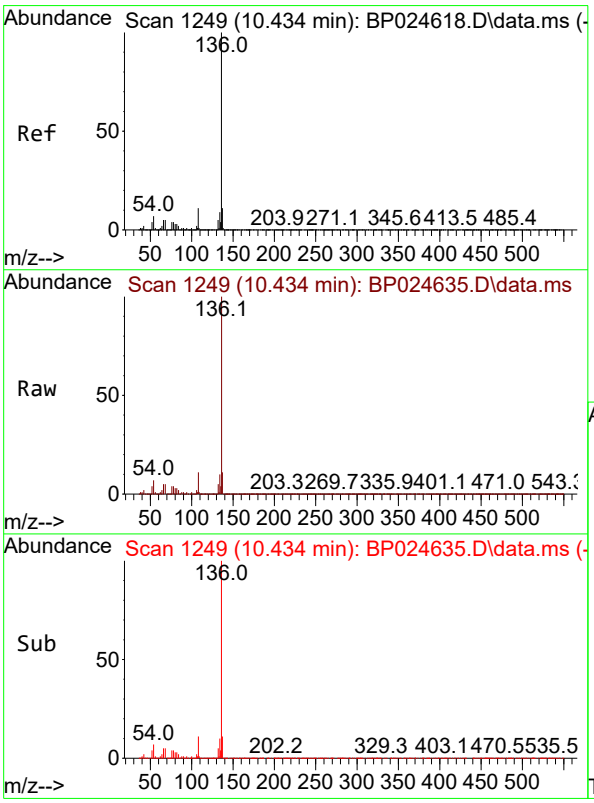
#7
Phenol-d6
Concen: 137.290 ng
RT: 6.852 min Scan# 64
Delta R.T. 0.000 min
Lab File: BP024635.D
Acq: 15 May 2025 13:05

Instrument :
BNA_P
ClientSampleId :
PB167973BL

Tgt Ion: 99 Resp: 1498528

Ion	Ratio	Lower	Upper
99	100		
42	16.8	14.4	21.6
71	35.4	29.2	43.8

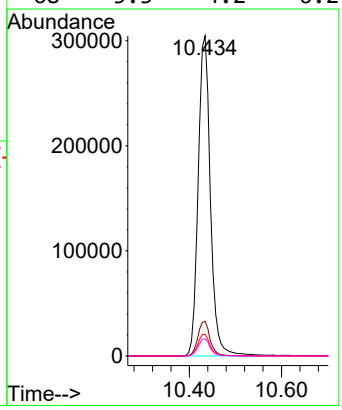


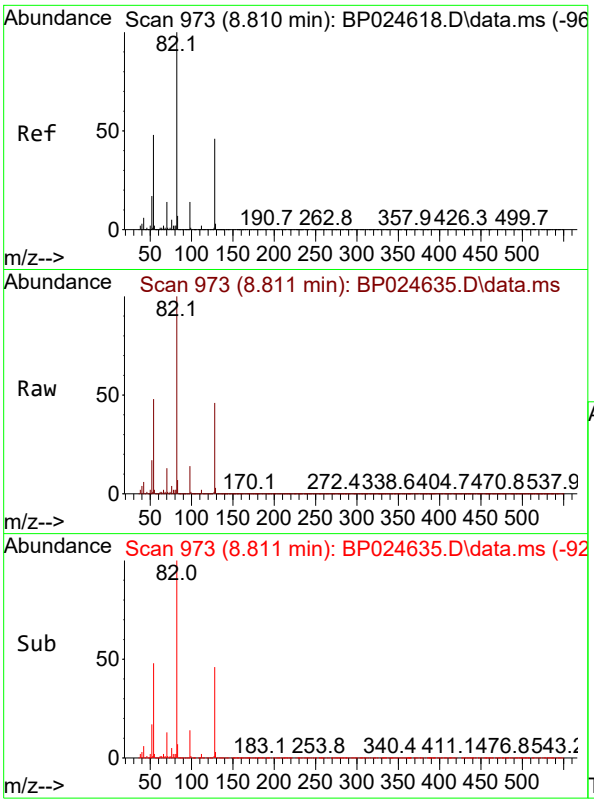


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.434 min Scan# 1249
Delta R.T. -0.000 min
Lab File: BP024635.D
Acq: 15 May 2025 13:05

Tgt Ion:136 Resp: 564318

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	6.8	5.5	8.3
68	5.3	4.2	6.2



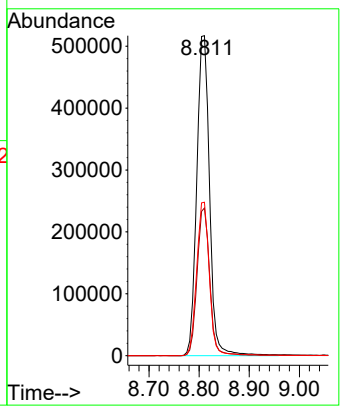


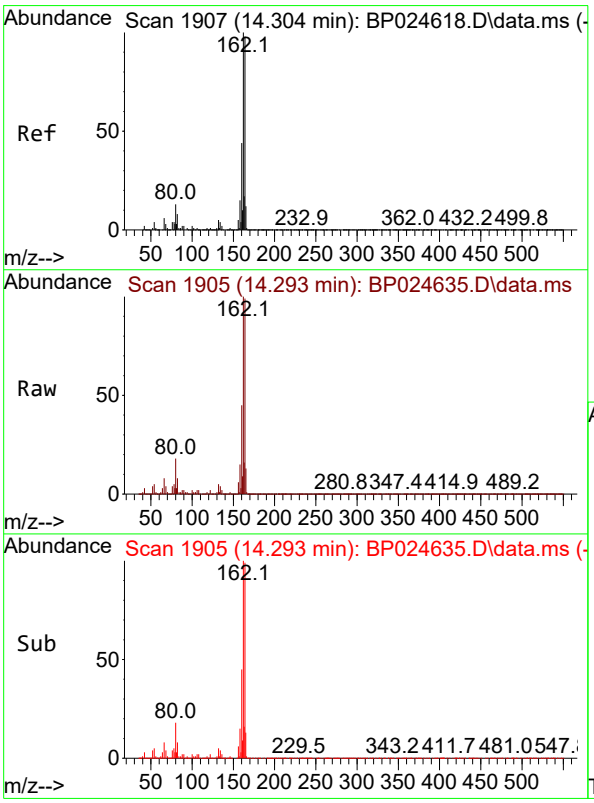
#23
Nitrobenzene-d5
Concen: 82.100 ng
RT: 8.811 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024635.D
Acq: 15 May 2025 13:05

Instrument :
BNA_P
ClientSampleId :
PB167973BL

Tgt Ion: 82 Resp: 916951

Ion	Ratio	Lower	Upper
82	100		
128	46.2	37.0	55.4
54	47.9	38.7	58.1

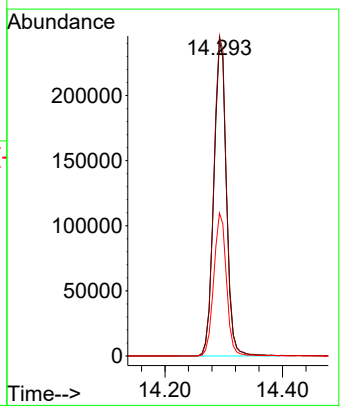


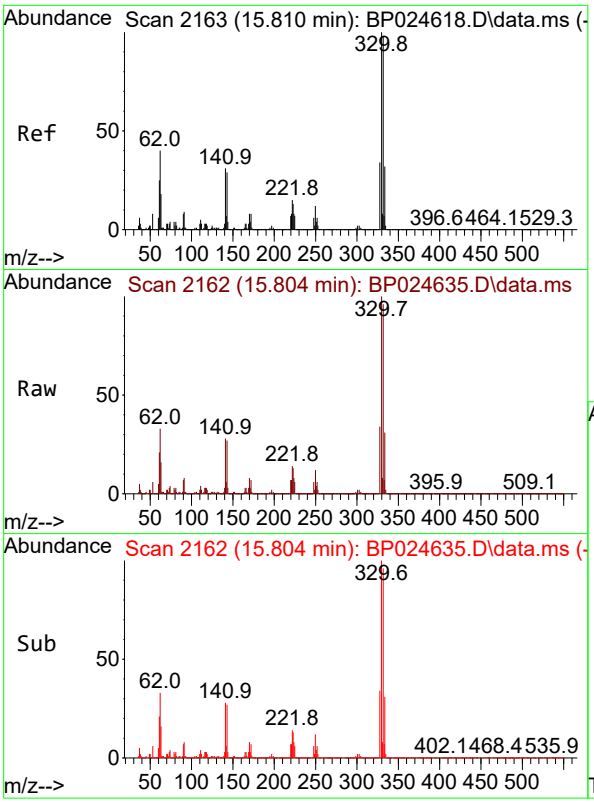


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.293 min Scan# 1905
Delta R.T. -0.012 min
Lab File: BP024635.D
Acq: 15 May 2025 13:05

Tgt Ion:164 Resp: 357828

Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.8	122.6
160	45.2	36.3	54.5



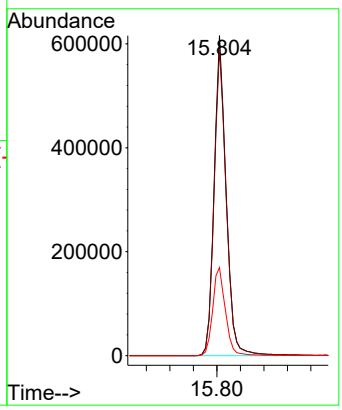


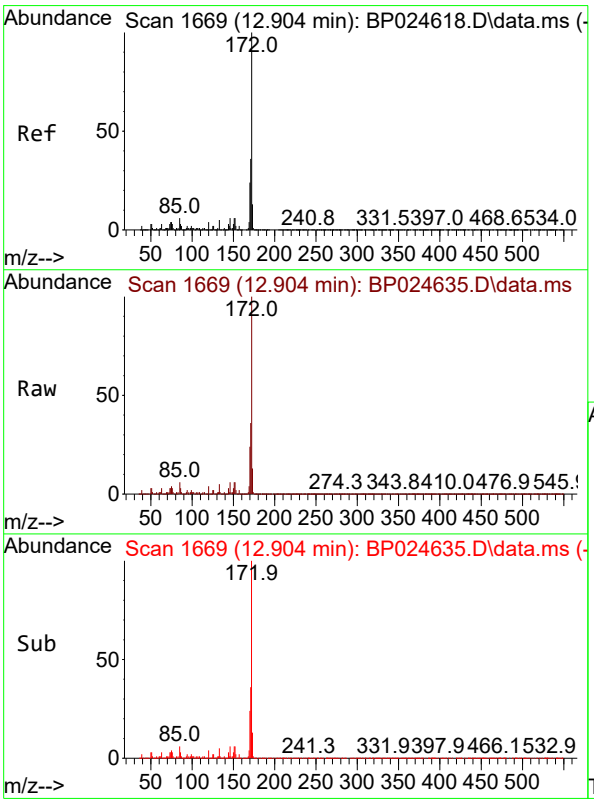
#42
2,4,6-Tribromophenol
Concen: 143.590 ng
RT: 15.804 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024635.D
Acq: 15 May 2025 13:05

Instrument :
BNA_P
ClientSampleId :
PB167973BL

Tgt Ion:330 Resp: 871050

Ion	Ratio	Lower	Upper
330	100		
332	97.6	78.2	117.4
141	29.3	24.3	36.5

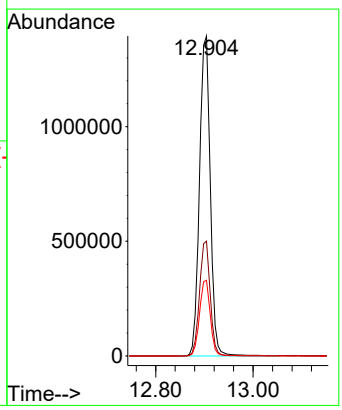


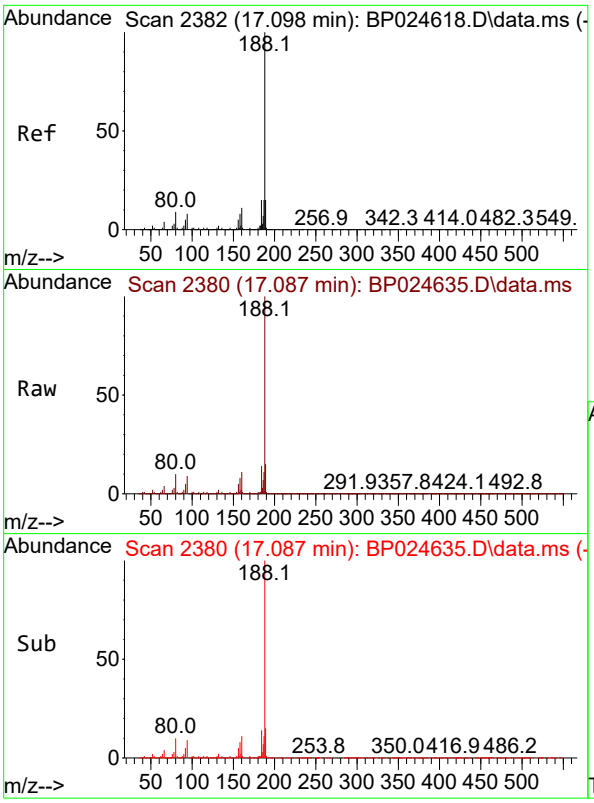


#45
2-Fluorobiphenyl
Concen: 78.715 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BP024635.D
Acq: 15 May 2025 13:05

Tgt Ion:172 Resp: 2149900

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.8	43.2
170	23.7	18.8	28.2



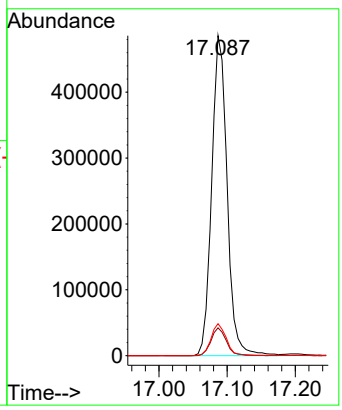


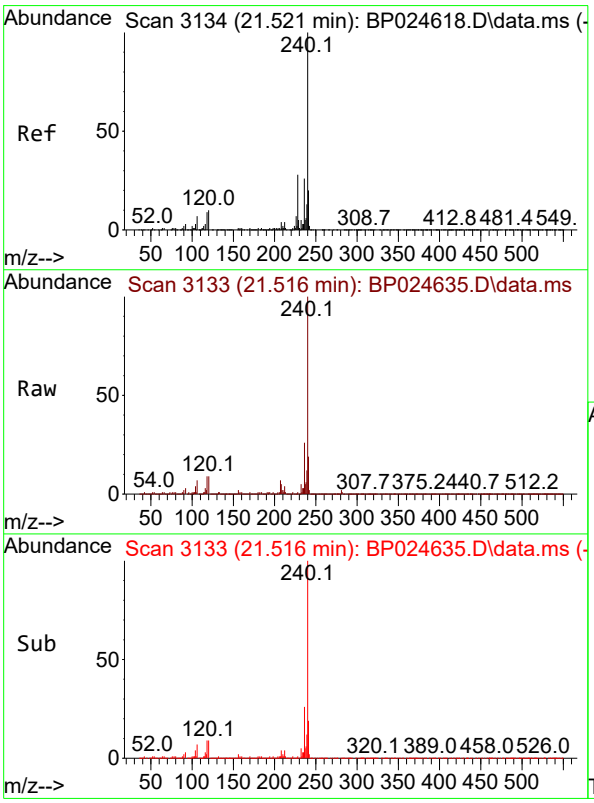
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.087 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024635.D
Acq: 15 May 2025 13:05

Instrument :
BNA_P
ClientSampleId :
PB167973BL

Tgt Ion:188 Resp: 764705

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.5	9.7
80	10.0	7.3	10.9

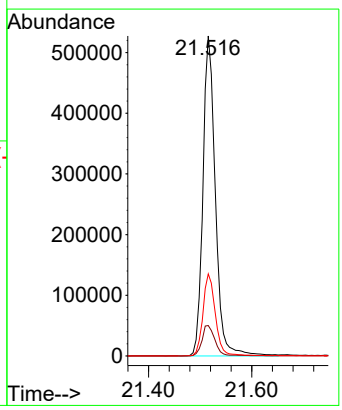


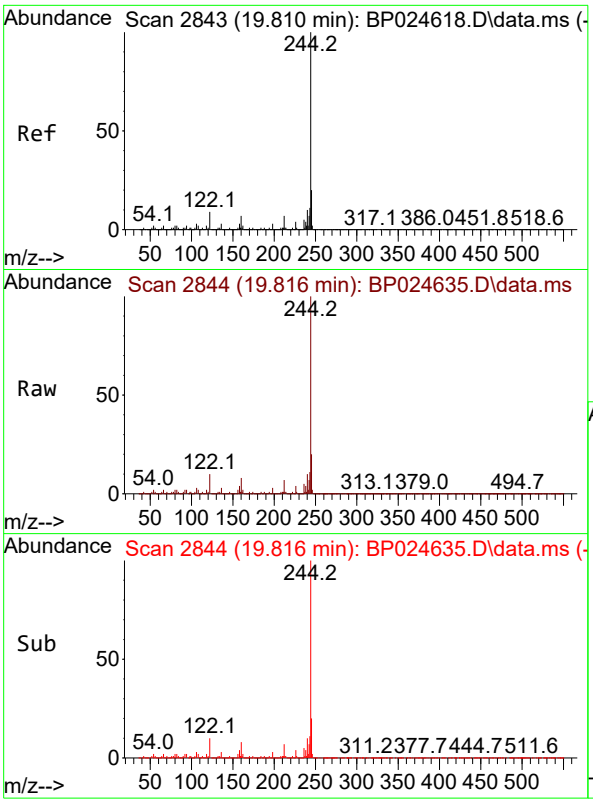


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024635.D
Acq: 15 May 2025 13:05

Tgt Ion:240 Resp: 884123

Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.8	11.6
236	25.6	20.6	31.0



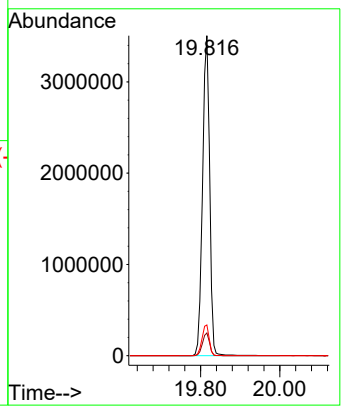


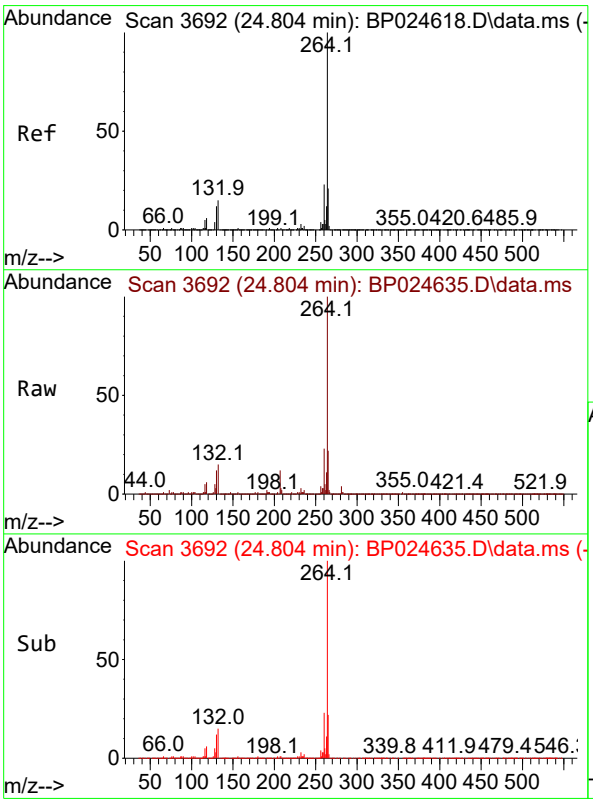
#79
Terphenyl-d14
Concen: 84.502 ng
RT: 19.816 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024635.D
Acq: 15 May 2025 13:05

Instrument :
BNA_P
ClientSampleId :
PB167973BL

Tgt Ion:244 Resp: 4357069

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	9.6	7.4	11.0

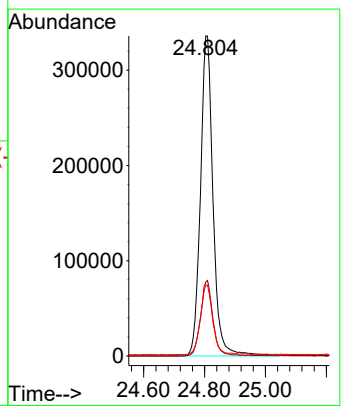




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.804 min Scan# 3692
Delta R.T. 0.000 min
Lab File: BP024635.D
Acq: 15 May 2025 13:05

Tgt Ion:264 Resp: 966019

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	22.2	17.0	25.6



Sample Results: **BP024635.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024635.D
Acq On : 15 May 2025 13:05
Operator : RC/JU
Sample : PB167973BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167973BL

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-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024635.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.823	290	295	313	rVB	228383	326896	2.78%	0.716%
2	5.287	367	374	390	rBV	2784562	4125597	35.10%	9.034%
3	6.852	632	640	663	rBV	2434729	4195894	35.70%	9.188%
4	7.658	770	777	788	rBV	559157	856077	7.28%	1.875%
5	8.811	964	973	995	rBV	1509171	2681055	22.81%	5.871%
6	10.434	1241	1249	1268	rBV	618499	1151578	9.80%	2.522%
7	12.899	1656	1668	1685	rBV	4060800	6343788	53.98%	13.892%
8	14.293	1897	1905	1913	rBV	1032771	1540089	13.10%	3.372%
9	15.804	2154	2162	2187	rBV	4009623	5965235	50.76%	13.063%
10	17.087	2373	2380	2397	rBV2	1210781	1972012	16.78%	4.318%
11	19.816	2838	2844	2853	rBV	9495789	11752174	100.00%	25.735%
12	21.516	3127	3133	3155	rBV2	1407261	2408127	20.49%	5.273%
13	24.804	3684	3692	3708	rVB	866007	2347927	19.98%	5.141%

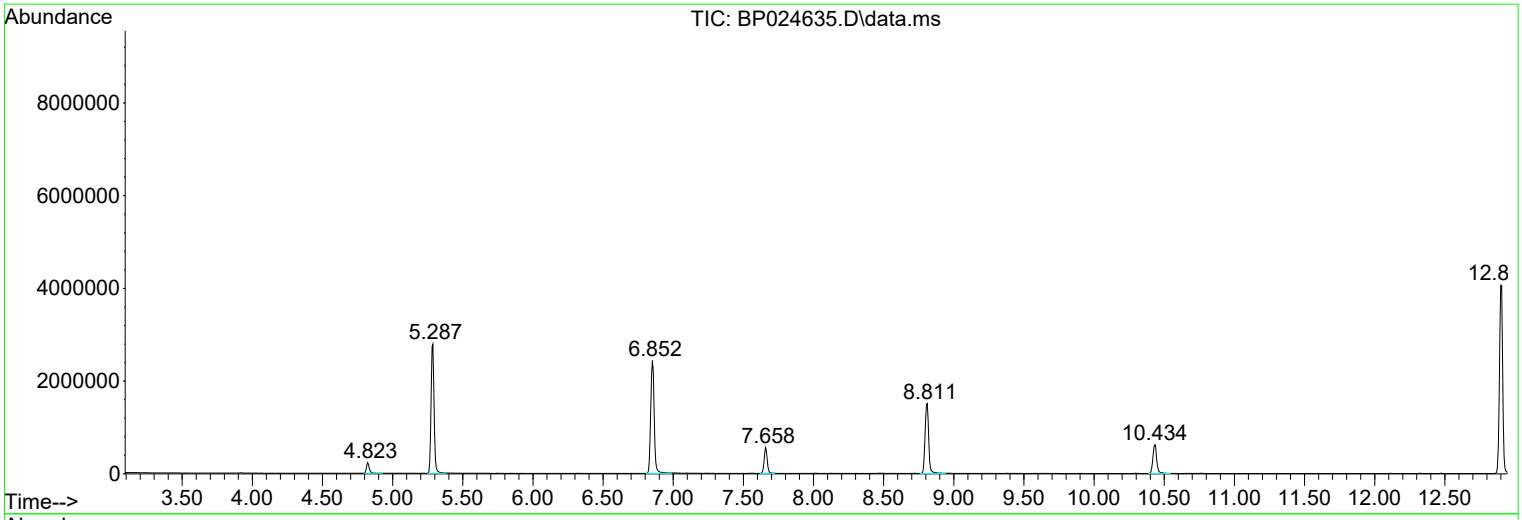
Sum of corrected areas: 45666449

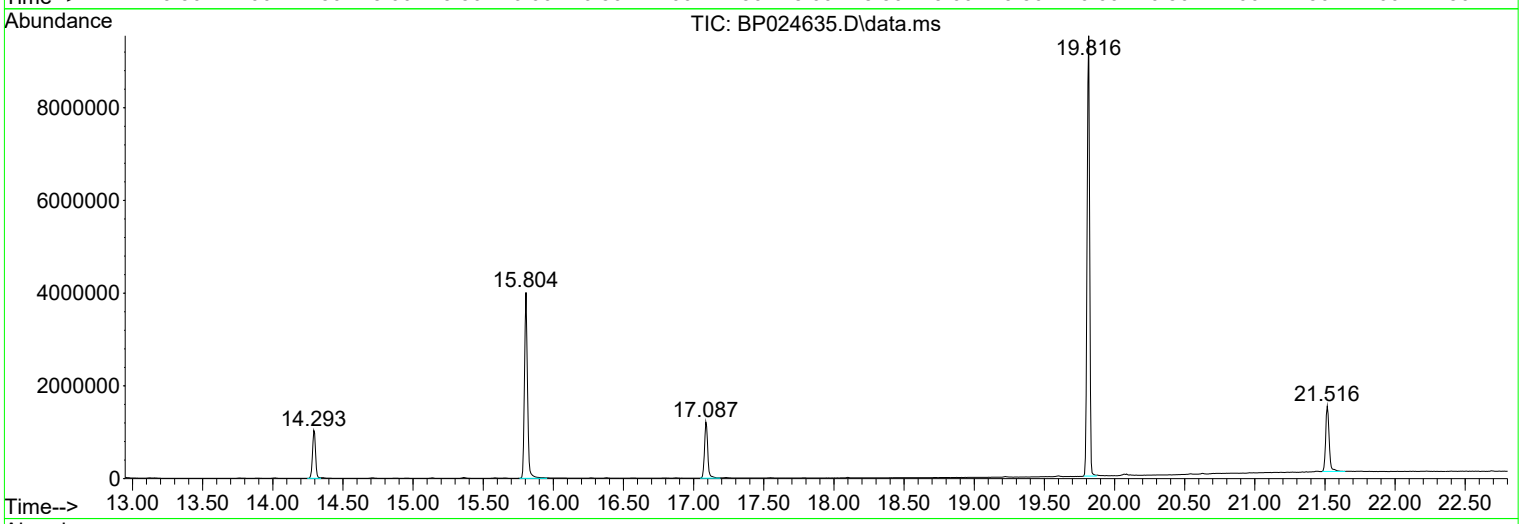
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024635.D
Acq On : 15 May 2025 13:05
Operator : RC/JU
Sample : PB167973BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

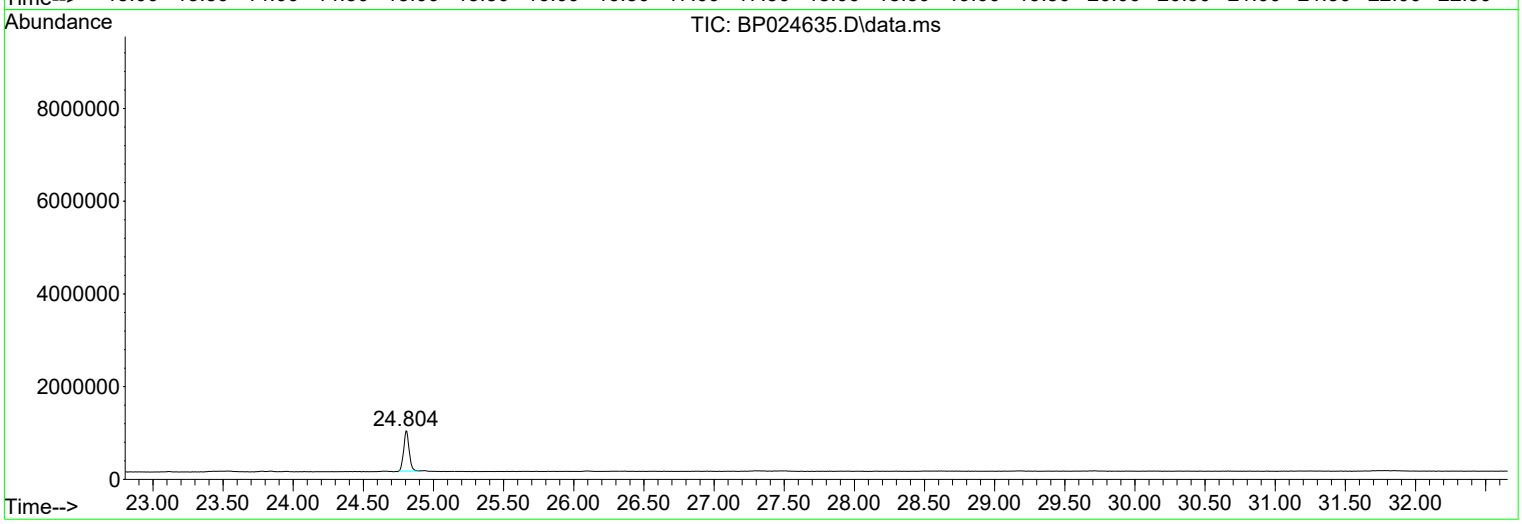
Instrument :
BNA_P
ClientSampleId :
PB167973BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.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\BP051525\
Data File : BP024635.D
Acq On : 15 May 2025 13:05
Operator : RC/JU
Sample : PB167973BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167973BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

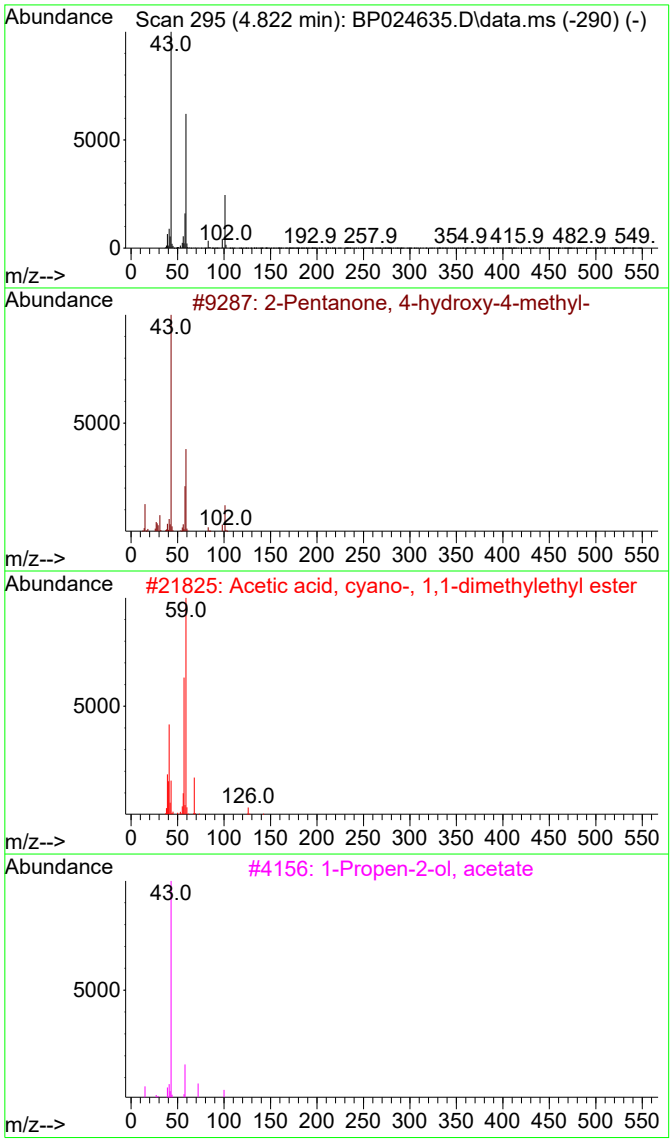
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

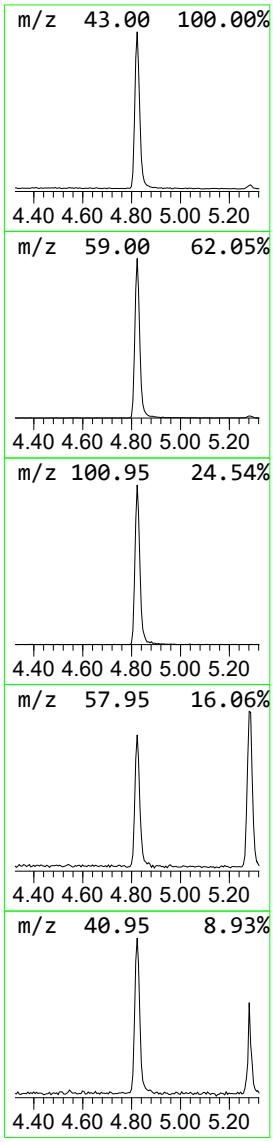
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.822	7.64 ng	326896	1,4-Dichlorobenzene-d4	7.658

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	12
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Acetone	58	C3H6O	000067-64-1	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024635.D
Acq On : 15 May 2025 13:05
Operator : RC/JU
Sample : PB167973BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167973BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.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-...	4.822	7.6	ng	326896	1	7.658	856077	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
Data File : BF142419.D
Acq On : 16 May 2025 11:13
Operator : RC/JU
Sample : PB167953BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 16 12:00:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB167953BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	173630	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	675385	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	366566	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	630880	20.000	ng	0.00
76) Chrysene-d12	14.068	240	344356	20.000	ng	0.00
86) Perylene-d12	15.556	264	359523	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	1229627	120.893	ng	0.02
7) Phenol-d6	6.534	99	1504472	120.264	ng	0.01
23) Nitrobenzene-d5	7.469	82	920178	83.092	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	500490	141.416	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1886869	73.396	ng	0.00
79) Terphenyl-d14	13.015	244	1810242	77.808	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.787	88	149707	32.685	ng	99
3) Pyridine	3.540	79	418415	38.909	ng	98
4) n-Nitrosodimethylamine	3.493	42	243472	38.956	ng	96
6) Aniline	6.569	93	532865	43.427	ng	100
8) 2-Chlorophenol	6.686	128	497688	45.790	ng	98
9) Benzaldehyde	6.457	77	296741	40.529	ng	98
10) Phenol	6.545	94	599488	45.208	ng	92
11) bis(2-Chloroethyl)ether	6.639	93	463806	35.468	ng	98
12) 1,3-Dichlorobenzene	6.845	146	522493	42.019	ng	99
13) 1,4-Dichlorobenzene	6.922	146	523852	41.958	ng	99
14) 1,2-Dichlorobenzene	7.075	146	508687	42.447	ng	99
15) Benzyl Alcohol	7.045	79	398510	49.196	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.175	45	769769	39.419	ng	97
17) 2-Methylphenol	7.157	107	386045	43.871	ng	98
18) Hexachloroethane	7.416	117	182804	44.006	ng	98
19) n-Nitroso-di-n-propyla...	7.316	70	327048	42.265	ng	99
20) 3+4-Methylphenols	7.304	107	473450	43.110	ng	93
22) Acetophenone	7.316	105	629352	41.910	ng	99
24) Nitrobenzene	7.486	77	479320	45.917	ng	96
25) Isophorone	7.728	82	899135	42.876	ng	99
26) 2-Nitrophenol	7.804	139	270822	53.328	ng	97
27) 2,4-Dimethylphenol	7.839	122	463175	43.930	ng	100
28) bis(2-Chloroethoxy)met...	7.933	93	559083	41.461	ng	100
29) 2,4-Dichlorophenol	8.045	162	420197	46.877	ng	98
30) 1,2,4-Trichlorobenzene	8.128	180	438894	43.506	ng	99
31) Naphthalene	8.210	128	1391457	42.509	ng	100
32) Benzoic acid	7.957	122	326773	55.302	ng	99
33) 4-Chloroaniline	8.257	127	106321m	7.960	ng	
34) Hexachlorobutadiene	8.322	225	265544	44.453	ng	98
35) Caprolactam	8.627	113	131445m	50.315	ng	
36) 4-Chloro-3-methylphenol	8.733	107	425708	45.687	ng	99
37) 2-Methylnaphthalene	8.898	142	875467	43.042	ng	99
38) 1-Methylnaphthalene	8.998	142	899635	42.437	ng	99
40) 1,2,4,5-Tetrachloroben...	9.069	216	437922	42.775	ng	99
41) Hexachlorocyclopentadiene	9.051	237	602706	95.256	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	307305	47.587	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
Data File : BF142419.D
Acq On : 16 May 2025 11:13
Operator : RC/JU
Sample : PB167953BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 16 12:00:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB167953BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	324851	47.278	ng		98
46) 1,1'-Biphenyl	9.363	154	1183448	42.106	ng		99
47) 2-Chloronaphthalene	9.392	162	877304	41.973	ng		100
48) 2-Nitroaniline	9.480	65	268263	50.072	ng		95
49) Acenaphthylene	9.804	152	1477785	42.263	ng		99
50) Dimethylphthalate	9.663	163	1045636	44.423	ng		100
51) 2,6-Dinitrotoluene	9.727	165	230545	52.326	ng		88
52) Acenaphthene	9.980	154	1008110	47.949	ng		100
53) 3-Nitroaniline	9.892	138	130548	25.264	ng		94
54) 2,4-Dinitrophenol	9.998	184	286628	120.101	ng	#	1
55) Dibenzofuran	10.151	168	1299450	41.879	ng		99
56) 4-Nitrophenol	10.051	139	402874	103.592	ng		99
57) 2,4-Dinitrotoluene	10.127	165	319356	56.507	ng		96
58) Fluorene	10.492	166	992432	41.911	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.263	232	277612	48.943	ng		99
60) Diethylphthalate	10.363	149	1022998	43.520	ng		100
61) 4-Chlorophenyl-phenyle...	10.480	204	488271	42.740	ng		98
62) 4-Nitroaniline	10.510	138	238941	58.343	ng		98
63) Azobenzene	10.645	77	919836	40.950	ng		97
65) 4,6-Dinitro-2-methylph...	10.539	198	175242	57.854	ng		92
66) n-Nitrosodiphenylamine	10.604	169	881615	41.995	ng		100
67) 4-Bromophenyl-phenylether	10.974	248	313229	43.808	ng		96
68) Hexachlorobenzene	11.039	284	350738	44.596	ng		97
69) Atrazine	11.127	200	274407	49.587	ng		100
70) Pentachlorophenol	11.233	266	429460	103.798	ng		97
71) Phenanthrene	11.457	178	1395824	42.209	ng		100
72) Anthracene	11.510	178	1431099	42.118	ng		100
73) Carbazole	11.657	167	1297202	42.553	ng		100
74) Di-n-butylphthalate	11.986	149	1470098	45.861	ng		100
75) Fluoranthene	12.645	202	1396620	42.249	ng		98
77) Benzidine	12.763	184	498548	79.667	ng		98
78) Pyrene	12.874	202	1375854	44.888	ng		100
80) Butylbenzylphthalate	13.486	149	437060	48.795	ng		99
81) Benzo(a)anthracene	14.057	228	1033001	46.321	ng		100
82) 3,3'-Dichlorobenzidine	14.021	252	193172	37.248	ng		98
83) Chrysene	14.098	228	890087	42.874	ng		100
84) Bis(2-ethylhexyl)phtha...	14.045	149	568724	48.750	ng		99
85) Di-n-octyl phthalate	14.662	149	1044545	49.451	ng		97
87) Indeno(1,2,3-cd)pyrene	17.074	276	1142274	45.673	ng		99
88) Benzo(b)fluoranthene	15.121	252	1019606	46.825	ng		99
89) Benzo(k)fluoranthene	15.151	252	811185	40.708	ng		99
90) Benzo(a)pyrene	15.498	252	894628	45.849	ng		99
91) Dibenzo(a,h)anthracene	17.092	278	930090	45.015	ng		98
92) Benzo(g,h,i)perylene	17.533	276	912878	44.516	ng		96

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

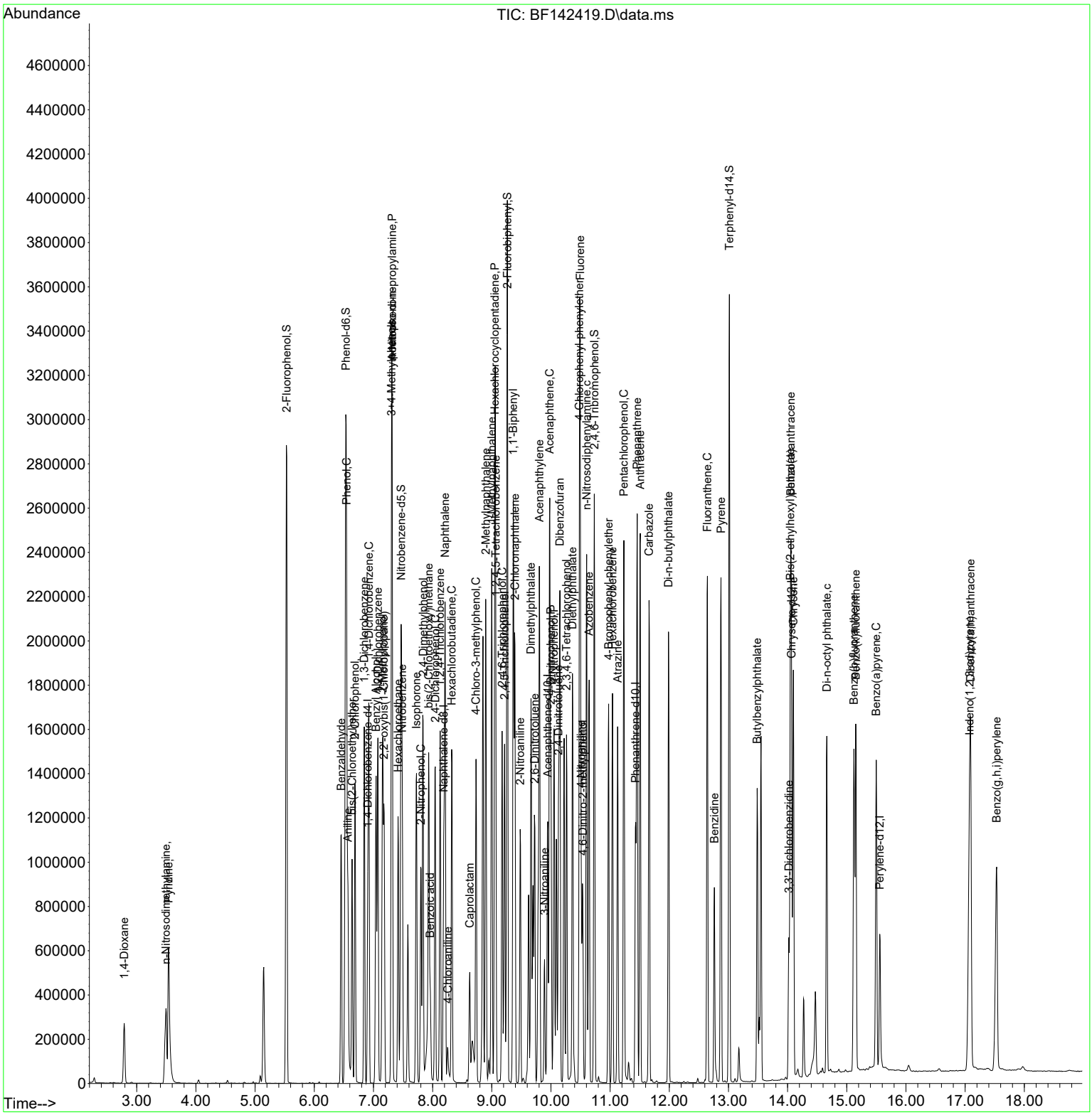
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
Data File : BF142419.D
Acq On : 16 May 2025 11:13
Operator : RC/JU
Sample : PB167953BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 16 12:00:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB167953BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024636.D
Acq On : 15 May 2025 13:53
Operator : RC/JU
Sample : PB167973BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167973BS

Quant Time: May 15 14:53:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.646	152	131081	20.000	ng	-0.02
21) Naphthalene-d8	10.422	136	537517	20.000	ng	-0.01
39) Acenaphthene-d10	14.298	164	347277	20.000	ng	0.00
64) Phenanthrene-d10	17.098	188	706031	20.000	ng	0.00
76) Chrysene-d12	21.533	240	796554	20.000	ng	0.01
86) Perylene-d12	24.827	264	897451	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.275	112	1028325	134.178	ng	-0.01
7) Phenol-d6	6.840	99	1300659	132.975	ng	-0.01
23) Nitrobenzene-d5	8.799	82	806449	75.806	ng	-0.01
42) 2,4,6-Tribromophenol	15.816	330	789015	134.019	ng	0.00
45) 2-Fluorobiphenyl	12.904	172	1973979	74.470	ng	0.00
79) Terphenyl-d14	19.827	244	3529175	75.970	ng	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.216	88	121131	33.659	ng	98
3) Pyridine	3.605	79	290510	36.406	ng	97
4) n-Nitrosodimethylamine	3.516	42	145603	41.331	ng	94
6) Aniline	6.987	93	371995	29.457	ng	99
8) 2-Chlorophenol	7.228	128	398786	45.837	ng	99
9) Benzaldehyde	6.799	77	230797	36.451	ng	95
10) Phenol	6.869	94	467973	46.355	ng	100
11) bis(2-Chloroethyl)ether	7.081	93	326477	39.356	ng	98
12) 1,3-Dichlorobenzene	7.540	146	410853	41.046	ng	99
13) 1,4-Dichlorobenzene	7.681	146	413519	41.075	ng	99
14) 1,2-Dichlorobenzene	7.999	146	399364	40.711	ng	100
15) Benzyl Alcohol	7.893	79	332118	44.682	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.163	45	395746	39.836	ng	99
17) 2-Methylphenol	8.099	107	329941	45.567	ng	98
18) Hexachloroethane	8.710	117	157764	40.894	ng	96
19) n-Nitroso-di-n-propyla...	8.452	70	270905	40.039	ng	99
20) 3+4-Methylphenols	8.422	107	451573	45.848	ng	99
22) Acetophenone	8.463	105	567593	42.273	ng	100
24) Nitrobenzene	8.840	77	404402	43.197	ng	99
25) Isophorone	9.357	82	767868	41.611	ng	99
26) 2-Nitrophenol	9.540	139	212672	46.359	ng	97
27) 2,4-Dimethylphenol	9.610	122	380304	47.020	ng	99
28) bis(2-Chloroethoxy)met...	9.840	93	467255	42.382	ng	99
29) 2,4-Dichlorophenol	10.087	162	382143	48.756	ng	98
30) 1,2,4-Trichlorobenzene	10.287	180	381129	43.151	ng	98
31) Naphthalene	10.475	128	1179733	42.353	ng	99
32) Benzoic acid	9.775	122	262342	46.811	ng	99
33) 4-Chloroaniline	10.593	127	215778	19.197	ng	100
34) Hexachlorobutadiene	10.757	225	244032	42.650	ng	98
35) Caprolactam	11.381	113	128809	45.423	ng	97
36) 4-Chloro-3-methylphenol	11.728	107	416701	43.596	ng	100
37) 2-Methylnaphthalene	12.087	142	759040	42.084	ng	99
38) 1-Methylnaphthalene	12.310	142	813878	42.174	ng	100
40) 1,2,4,5-Tetrachloroben...	12.463	216	439636	43.595	ng	99
41) Hexachlorocyclopentadiene	12.440	237	618099	101.081	ng	97
43) 2,4,6-Trichlorophenol	12.710	196	317048	48.539	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024636.D
Acq On : 15 May 2025 13:53
Operator : RC/JU
Sample : PB167973BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167973BS

Quant Time: May 15 14:53:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

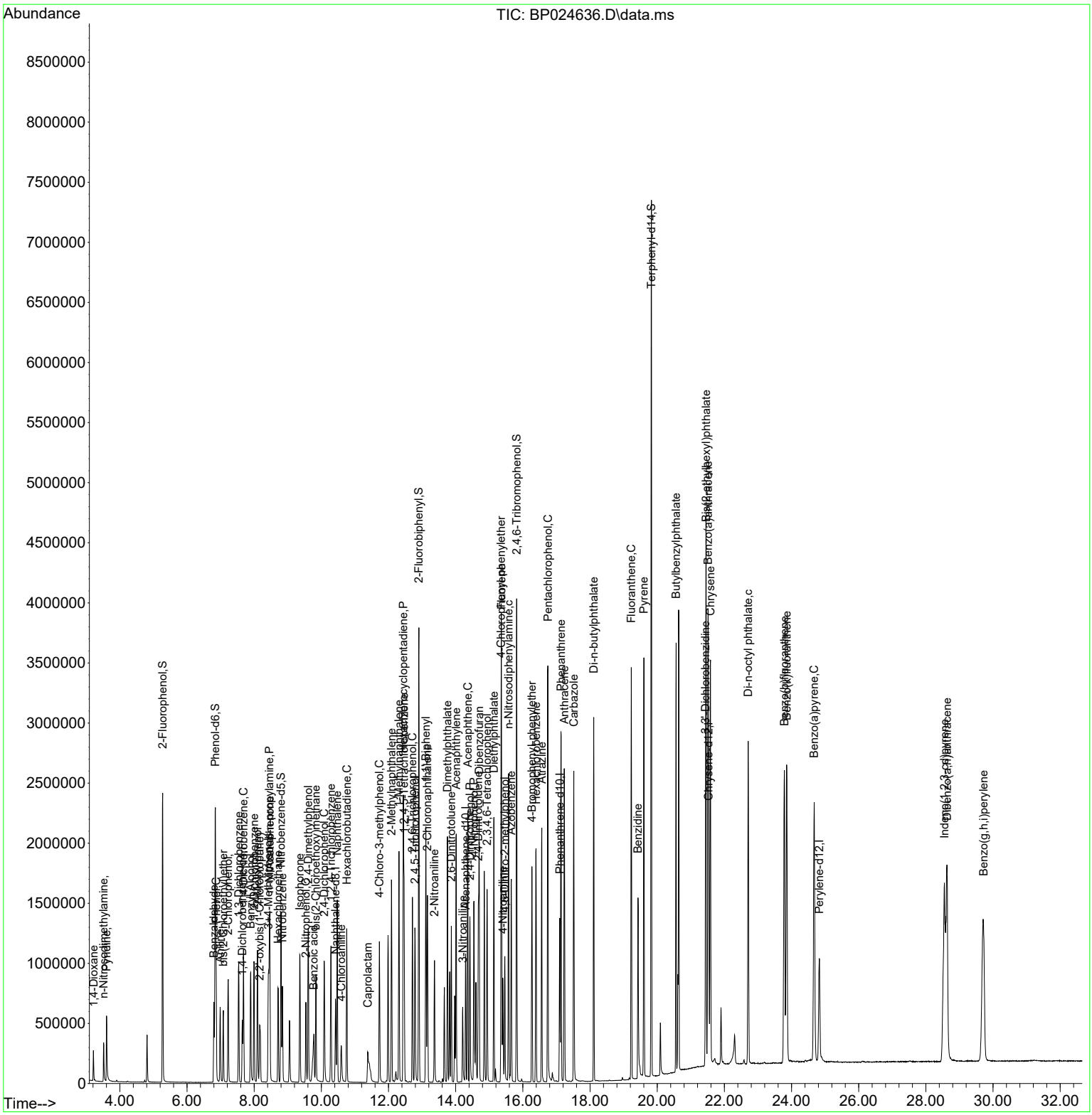
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.787	196	355418	48.883	ng	98
46) 1,1'-Biphenyl	13.110	154	1087547	42.370	ng	99
47) 2-Chloronaphthalene	13.157	162	830827	42.452	ng	100
48) 2-Nitroaniline	13.369	65	261668	45.161	ng	98
49) Acenaphthylene	14.016	152	1399482	42.731	ng	100
50) Dimethylphthalate	13.757	163	1142335	43.156	ng	100
51) 2,6-Dinitrotoluene	13.869	165	252742	45.211	ng	97
52) Acenaphthene	14.363	154	813698	43.217	ng	99
53) 3-Nitroaniline	14.210	138	171345	30.018	ng	98
54) 2,4-Dinitrophenol	14.428	184	327717	91.929	ng	97
55) Dibenzofuran	14.698	168	1314124	43.757	ng	99
56) 4-Nitrophenol	14.545	139	454745	91.385	ng	98
57) 2,4-Dinitrotoluene	14.675	165	364632	46.266	ng	98
58) Fluorene	15.363	166	1086996	44.389	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.934	232	316831	46.974	ng	100
60) Diethylphthalate	15.139	149	1184435	44.273	ng	99
61) 4-Chlorophenyl-phenyle...	15.351	204	542996	44.463	ng	98
62) 4-Nitroaniline	15.404	138	262574	47.641	ng	98
63) Azobenzene	15.657	77	1009501	44.109	ng	98
65) 4,6-Dinitro-2-methylph...	15.463	198	216160	47.398	ng	99
66) n-Nitrosodiphenylamine	15.575	169	961865	44.353	ng	99
67) 4-Bromophenyl-phenylether	16.269	248	372135	44.731	ng	99
68) Hexachlorobenzene	16.392	284	458305	43.353	ng	100
69) Atrazine	16.563	200	368913	46.419	ng	99
70) Pentachlorophenol	16.745	266	625082	105.335	ng	98
71) Phenanthrene	17.139	178	1720387	43.832	ng	100
72) Anthracene	17.233	178	1747224	44.246	ng	99
73) Carbazole	17.516	167	1617275	45.249	ng	100
74) Di-n-butylphthalate	18.110	149	2121998	46.164	ng	99
75) Fluoranthene	19.227	202	2040733	44.480	ng	100
77) Benzidine	19.427	184	994653	45.847	ng	99
78) Pyrene	19.604	202	2127702	44.580	ng	100
80) Butylbenzylphthalate	20.563	149	1012695	47.709	ng	97
81) Benzo(a)anthracene	21.516	228	2231437	44.614	ng	100
82) 3,3'-Dichlorobenzidine	21.439	252	558851	30.082	ng	99
83) Chrysene	21.586	228	2076892	43.804	ng	100
84) Bis(2-ethylhexyl)phtha...	21.457	149	1465106	46.960	ng	99
85) Di-n-octyl phthalate	22.710	149	2468875	48.391	ng	100
87) Indeno(1,2,3-cd)pyrene	28.550	276	3039943m	46.398	ng	
88) Benzo(b)fluoranthene	23.786	252	2337855	45.511	ng	99
89) Benzo(k)fluoranthene	23.857	252	2439419	46.086	ng	100
90) Benzo(a)pyrene	24.674	252	2298890	46.597	ng	99
91) Dibenzo(a,h)anthracene	28.627	278	2519774	47.273	ng	99
92) Benzo(g,h,i)perylene	29.715	276	2499215	47.150	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024636.D
Acq On : 15 May 2025 13:53
Operator : RC/JU
Sample : PB167973BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167973BS

Quant Time: May 15 14:53:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142366.D
Acq On : 14 May 2025 15:20
Operator : RC/JU
Sample : Q1982-03MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3MS

Quant Time: May 14 15:47:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	155049	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	631761	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	370580	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	711855	20.000	ng	0.00
76) Chrysene-d12	14.068	240	525246	20.000	ng	0.00
86) Perylene-d12	15.557	264	490879	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	692630	76.258	ng	0.00
7) Phenol-d6	6.522	99	882025	78.956	ng	0.00
23) Nitrobenzene-d5	7.463	82	520318	50.229	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	331293	92.595	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1192392	45.880	ng	0.00
79) Terphenyl-d14	13.010	244	1573866	44.350	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.675	88	141291	34.544	ng	100
3) Pyridine	3.440	79	385286	40.122	ng	98
4) n-Nitrosodimethylamine	3.387	42	225025	40.319	ng	98
6) Aniline	6.563	93	599443	54.708	ng	98
8) 2-Chlorophenol	6.681	128	441735	45.512	ng	99
9) Benzaldehyde	6.451	77	266588	40.774	ng	100
10) Phenol	6.534	94	576407	48.677	ng	98
11) bis(2-Chloroethyl)ether	6.634	93	408748	35.004	ng	97
12) 1,3-Dichlorobenzene	6.839	146	464430	41.825	ng	99
13) 1,4-Dichlorobenzene	6.916	146	465991	41.797	ng	100
14) 1,2-Dichlorobenzene	7.069	146	451963	42.234	ng	99
15) Benzyl Alcohol	7.039	79	356796	49.324	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.175	45	713977	40.944	ng	100
17) 2-Methylphenol	7.145	107	351851	44.777	ng	99
18) Hexachloroethane	7.416	117	161853	43.632	ng	99
19) n-Nitroso-di-n-propyla...	7.310	70	298725	43.231	ng	99
20) 3+4-Methylphenols	7.298	107	448388	45.721	ng	99
22) Acetophenone	7.310	105	581115	41.370	ng	100
24) Nitrobenzene	7.481	77	441270	45.191	ng	98
25) Isophorone	7.722	82	845033	43.079	ng	100
26) 2-Nitrophenol	7.798	139	230474	48.886	ng	100
27) 2,4-Dimethylphenol	7.834	122	433405	43.945	ng	100
28) bis(2-Chloroethoxy)met...	7.934	93	522841	41.451	ng	99
29) 2,4-Dichlorophenol	8.039	162	387626	46.229	ng	98
30) 1,2,4-Trichlorobenzene	8.122	180	391460	41.484	ng	99
31) Naphthalene	8.210	128	1287929	42.063	ng	99
32) Benzoic acid	7.939	122	305779m	55.318	ng	
33) 4-Chloroaniline	8.251	127	217014	17.370	ng	99
34) Hexachlorobutadiene	8.322	225	234355	41.941	ng	99
35) Caprolactam	8.616	113	141799m	58.026	ng	
36) 4-Chloro-3-methylphenol	8.728	107	417111	47.855	ng	100
37) 2-Methylnaphthalene	8.898	142	823265	43.271	ng	98
38) 1-Methylnaphthalene	8.998	142	854916	43.112	ng	99
40) 1,2,4,5-Tetrachloroben...	9.063	216	408491	39.468	ng	99
41) Hexachlorocyclopentadiene	9.051	237	541888	84.716	ng	100
43) 2,4,6-Trichlorophenol	9.169	196	294187	45.063	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142366.D
Acq On : 14 May 2025 15:20
Operator : RC/JU
Sample : Q1982-03MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3MS

Quant Time: May 14 15:47:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

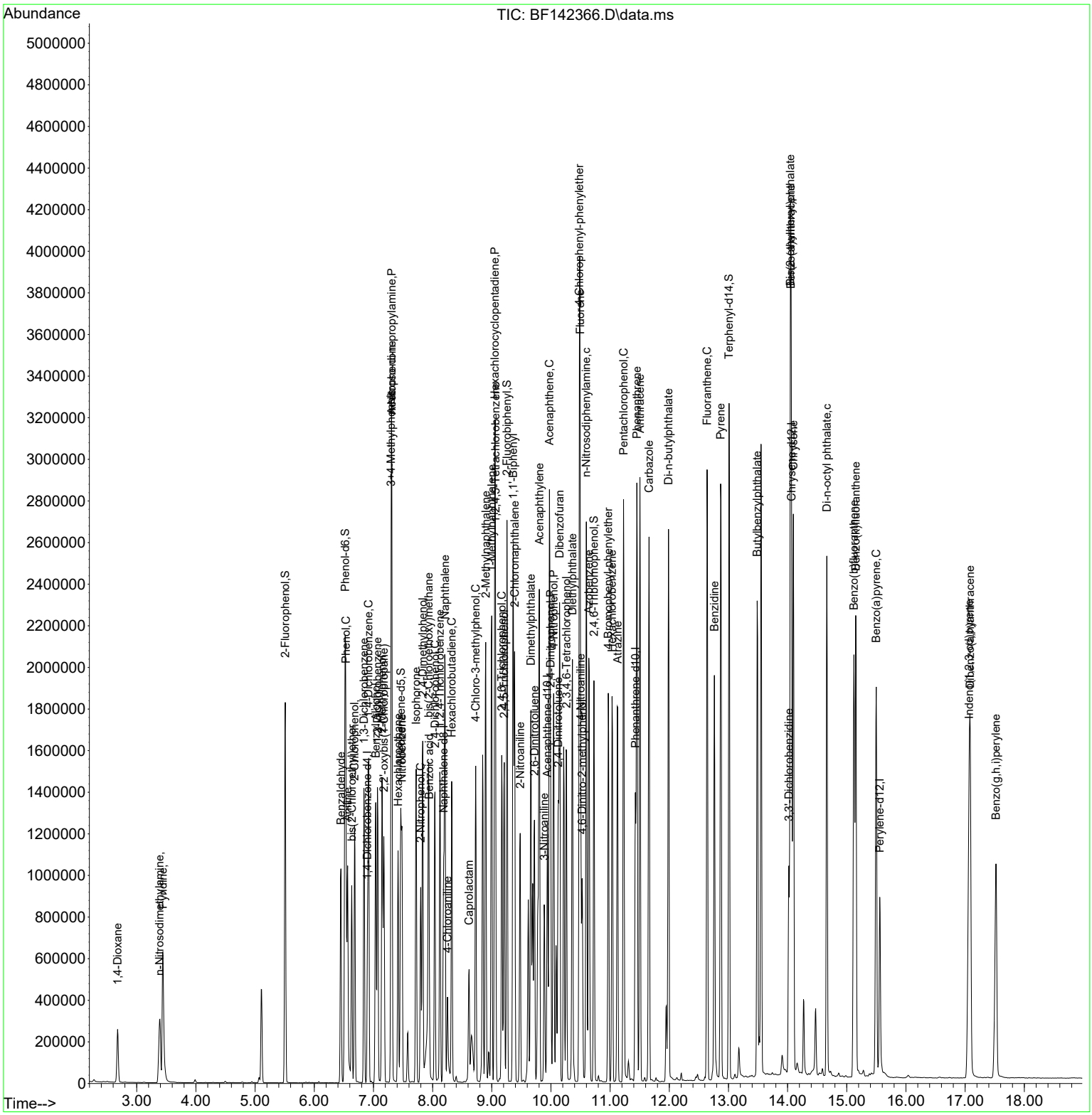
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	321618	46.301	ng		98
46) 1,1'-Biphenyl	9.363	154	1158375	40.768	ng		99
47) 2-Chloronaphthalene	9.386	162	851834	40.313	ng		99
48) 2-Nitroaniline	9.480	65	274081	50.603	ng		91
49) Acenaphthylene	9.804	152	1497053	42.351	ng		100
50) Dimethylphthalate	9.663	163	1072664	45.078	ng		100
51) 2,6-Dinitrotoluene	9.722	165	236587	53.116	ng		90
52) Acenaphthene	9.975	154	1006646	47.361	ng		100
53) 3-Nitroaniline	9.886	138	199348	38.161	ng		97
54) 2,4-Dinitrophenol	9.992	184	286965	119.014	ng	#	3
55) Dibenzofuran	10.145	168	1332401	42.476	ng		99
56) 4-Nitrophenol	10.045	139	472127	120.085	ng		96
57) 2,4-Dinitrotoluene	10.122	165	335471	58.716	ng		98
58) Fluorene	10.492	166	1031269	43.079	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.263	232	294911	51.430	ng		97
60) Diethylphthalate	10.363	149	1111846	46.787	ng		99
61) 4-Chlorophenyl-phenyle...	10.480	204	499460	43.246	ng		99
62) 4-Nitroaniline	10.504	138	275293	66.491	ng		99
63) Azobenzene	10.639	77	1067468	47.008	ng		98
65) 4,6-Dinitro-2-methylph...	10.527	198	182251	53.887	ng		99
66) n-Nitrosodiphenylamine	10.598	169	957255	40.411	ng		99
67) 4-Bromophenyl-phenylether	10.969	248	332268	41.185	ng		99
68) Hexachlorobenzene	11.033	284	375399	42.302	ng		98
69) Atrazine	11.127	200	315199	50.479	ng		99
70) Pentachlorophenol	11.227	266	477233	102.224	ng		98
71) Phenanthrene	11.451	178	1558066	41.756	ng		100
72) Anthracene	11.504	178	1581175	41.241	ng		100
73) Carbazole	11.657	167	1524800	44.329	ng		100
74) Di-n-butylphthalate	11.986	149	1876651	51.885	ng		100
75) Fluoranthene	12.639	202	1740035	46.650	ng		99
77) Benzidine	12.763	184	1084279	113.594	ng		98
78) Pyrene	12.868	202	1750839	37.450	ng		100
80) Butylbenzylphthalate	13.486	149	763189	55.331	ng		98
81) Benzo(a)anthracene	14.057	228	1482251	43.576	ng		98
82) 3,3'-Dichlorobenzidine	14.021	252	294906	37.281	ng		99
83) Chrysene	14.098	228	1295990	40.927	ng		98
84) Bis(2-ethylhexyl)phtha...	14.045	149	1043286	57.772	ng		100
85) Di-n-octyl phthalate	14.662	149	1689536	51.966	ng		97
87) Indeno(1,2,3-cd)pyrene	17.068	276	1251333	36.645	ng		100
88) Benzo(b)fluoranthene	15.121	252	1425761	47.956	ng		99
89) Benzo(k)fluoranthene	15.151	252	1127681	41.448	ng		100
90) Benzo(a)pyrene	15.498	252	1206289	45.278	ng		99
91) Dibenzo(a,h)anthracene	17.086	278	1024841	36.328	ng		99
92) Benzo(g,h,i)perylene	17.521	276	953165	34.043	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142366.D
Acq On : 14 May 2025 15:20
Operator : RC/JU
Sample : Q1982-03MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3MS

Quant Time: May 14 15:47:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024638.D
Acq On : 15 May 2025 15:18
Operator : RC/JU
Sample : Q2010-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-13MS

Quant Time: May 15 15:48:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.658	152	165529	20.000	ng	0.00
21) Naphthalene-d8	10.428	136	634360	20.000	ng	0.00
39) Acenaphthene-d10	14.298	164	378565	20.000	ng	0.00
64) Phenanthrene-d10	17.098	188	753325	20.000	ng	0.00
76) Chrysene-d12	21.527	240	842505	20.000	ng	0.00
86) Perylene-d12	24.798	264	953147	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	856774	88.528	ng	0.00
7) Phenol-d6	6.852	99	1057784	85.639	ng	0.00
23) Nitrobenzene-d5	8.810	82	638968	50.893	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	562674	87.674	ng	0.00
45) 2-Fluorobiphenyl	12.899	172	1470035	50.874	ng	0.00
79) Terphenyl-d14	19.816	244	2392705	48.697	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.228	88	169804	37.365	ng	99
3) Pyridine	3.623	79	411638	40.850	ng	99
4) n-Nitrosodimethylamine	3.534	42	193142	43.416	ng	97
6) Aniline	6.999	93	561977	35.240	ng	100
8) 2-Chlorophenol	7.234	128	509228	46.350	ng	99
9) Benzaldehyde	6.816	77	316969	39.642	ng	99
10) Phenol	6.881	94	593400	46.547	ng	100
11) bis(2-Chloroethyl)ether	7.093	93	436677	41.686	ng	99
12) 1,3-Dichlorobenzene	7.552	146	547308	43.299	ng	98
13) 1,4-Dichlorobenzene	7.693	146	552518	43.461	ng	99
14) 1,2-Dichlorobenzene	8.005	146	528682	42.677	ng	99
15) Benzyl Alcohol	7.905	79	419911	44.736	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.187	45	507352	40.442	ng	99
17) 2-Methylphenol	8.111	107	404526	44.241	ng	98
18) Hexachloroethane	8.722	117	197785	40.599	ng	98
19) n-Nitroso-di-n-propyla...	8.463	70	296270	34.675	ng	97
20) 3+4-Methylphenols	8.434	107	498876	40.109	ng	100
22) Acetophenone	8.475	105	654869	41.327	ng	98
24) Nitrobenzene	8.852	77	501541	45.394	ng	96
25) Isophorone	9.375	82	937975	43.069	ng	99
26) 2-Nitrophenol	9.557	139	270894	50.036	ng	99
27) 2,4-Dimethylphenol	9.622	122	450968	47.245	ng	99
28) bis(2-Chloroethoxy)met...	9.852	93	571836	43.950	ng	99
29) 2,4-Dichlorophenol	10.087	162	448301	48.465	ng	97
30) 1,2,4-Trichlorobenzene	10.299	180	474967	45.566	ng	98
31) Naphthalene	10.481	128	1469571	44.704	ng	100
32) Benzoic acid	9.793	122	336377	50.212	ng	98
33) 4-Chloroaniline	10.599	127	373803	28.179	ng	98
34) Hexachlorobutadiene	10.763	225	309121	45.778	ng	96
35) Caprolactam	11.387	113	157614	47.096	ng	99
36) 4-Chloro-3-methylphenol	11.734	107	516210	45.762	ng	99
37) 2-Methylnaphthalene	12.093	142	926779	43.540	ng	99
38) 1-Methylnaphthalene	12.310	142	972826	42.714	ng	100
40) 1,2,4,5-Tetrachloroben...	12.469	216	524927	47.751	ng	99
41) Hexachlorocyclopentadiene	12.446	237	756205	113.445	ng	96
43) 2,4,6-Trichlorophenol	12.716	196	368341	51.731	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024638.D
Acq On : 15 May 2025 15:18
Operator : RC/JU
Sample : Q2010-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-13MS

Quant Time: May 15 15:48:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

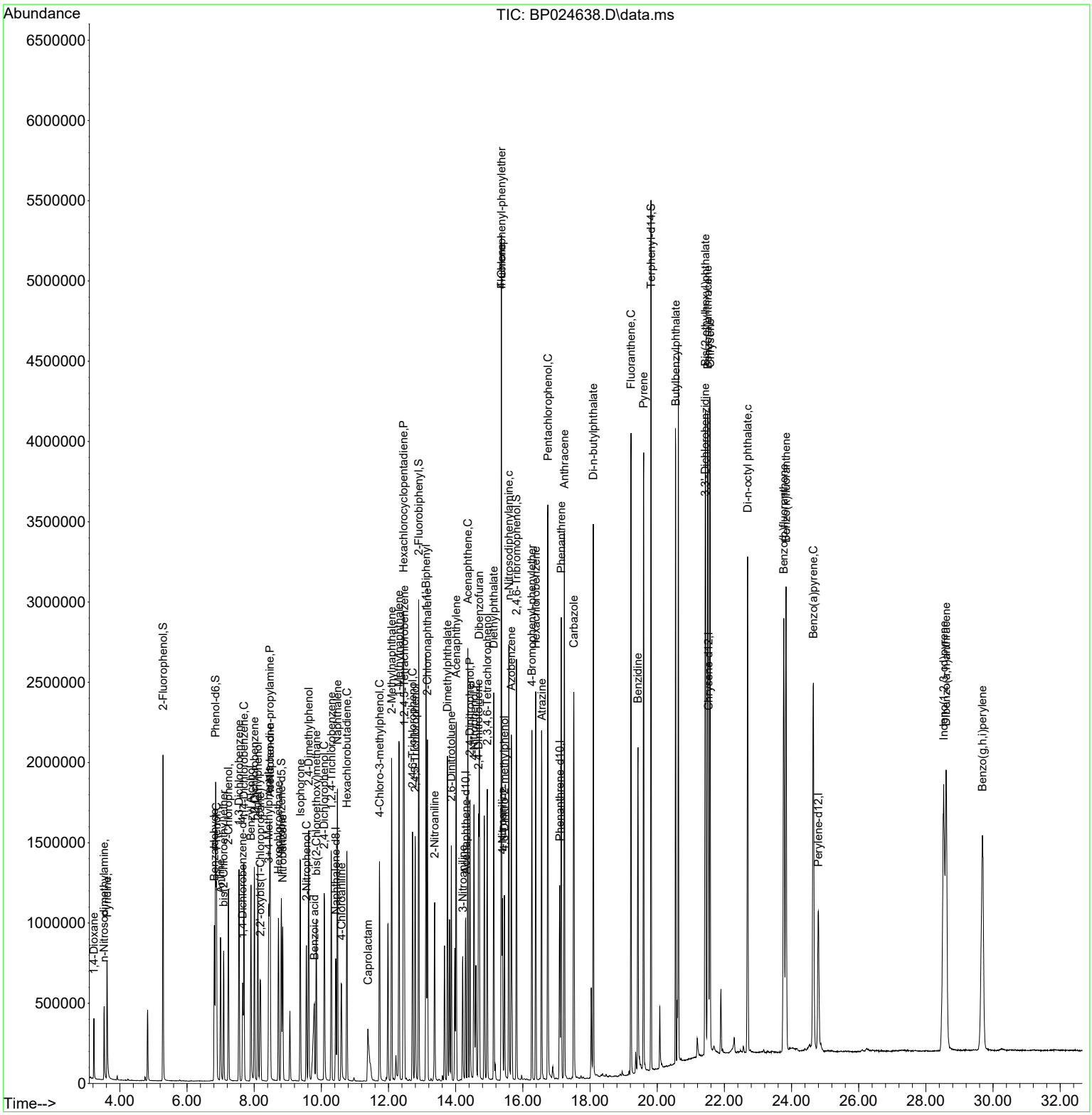
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.793	196	403367	50.893	ng	98
46) 1,1'-Biphenyl	13.116	154	1301925	46.530	ng	100
47) 2-Chloronaphthalene	13.157	162	993000	46.545	ng	99
48) 2-Nitroaniline	13.375	65	311778	49.362	ng	97
49) Acenaphthylene	14.016	152	1622957	45.458	ng	99
50) Dimethylphthalate	13.757	163	1296579	44.935	ng	100
51) 2,6-Dinitrotoluene	13.869	165	284162	46.631	ng	98
52) Acenaphthene	14.363	154	929691	45.296	ng	99
53) 3-Nitroaniline	14.210	138	212436	34.141	ng	99
54) 2,4-Dinitrophenol	14.428	184	374950	96.168	ng	97
55) Dibenzofuran	14.704	168	1491506	45.559	ng	98
56) 4-Nitrophenol	14.545	139	528415	97.134	ng	99
57) 2,4-Dinitrotoluene	14.681	165	411100	47.851	ng	98
58) Fluorene	15.363	166	1230074	46.080	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.940	232	358164	48.714	ng	99
60) Diethylphthalate	15.134	149	1329786	45.598	ng	99
61) 4-Chlorophenyl-phenyle...	15.363	204	608237	45.689	ng	99
62) 4-Nitroaniline	15.392	138	301420	50.169	ng	98
63) Azobenzene	15.657	77	1250868	50.138	ng	99
65) 4,6-Dinitro-2-methylph...	15.451	198	242947	49.928	ng	98
66) n-Nitrosodiphenylamine	15.581	169	1074572	46.440	ng	100
67) 4-Bromophenyl-phenylether	16.269	248	414519	46.697	ng	98
68) Hexachlorobenzene	16.387	284	510643	45.271	ng	98
69) Atrazine	16.563	200	406566	47.945	ng	99
70) Pentachlorophenol	16.745	266	695823	109.894	ng	99
71) Phenanthrene	17.145	178	1893808	45.222	ng	100
72) Anthracene	17.234	178	1971542	46.792	ng	99
73) Carbazole	17.516	167	1837012	48.170	ng	99
74) Di-n-butylphthalate	18.098	149	2364678	48.214	ng	99
75) Fluoranthene	19.222	202	2288323	46.745	ng	99
77) Benzidine	19.428	184	1224992	53.385	ng	100
78) Pyrene	19.598	202	2380843	47.163	ng	100
80) Butylbenzylphthalate	20.551	149	1148313	51.148	ng	93
81) Benzo(a)anthracene	21.504	228	2459103	46.484	ng	99
82) 3,3'-Dichlorobenzidine	21.427	252	645946	32.874	ng	99
83) Chrysene	21.575	228	2300052	45.864	ng	100
84) Bis(2-ethylhexyl)phtha...	21.439	149	1659519	50.290	ng	100
85) Di-n-octyl phthalate	22.692	149	2851767	52.847	ng	99
87) Indeno(1,2,3-cd)pyrene	28.533	276	3290454	47.287	ng	98
88) Benzo(b)fluoranthene	23.769	252	2609378	47.829	ng	100
89) Benzo(k)fluoranthene	23.839	252	2568026	45.681	ng	99
90) Benzo(a)pyrene	24.651	252	2461650	46.981	ng	99
91) Dibenzo(a,h)anthracene	28.604	278	2694828	47.603	ng	98
92) Benzo(g,h,i)perylene	29.686	276	2668855	47.408	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024638.D
Acq On : 15 May 2025 15:18
Operator : RC/JU
Sample : Q2010-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-13MS

Quant Time: May 15 15:48:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142367.D
Acq On : 14 May 2025 15:48
Operator : RC/JU
Sample : Q1982-03MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3MSD

Quant Time: May 14 16:18:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	163411	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	663275	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	383694	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	695642	20.000	ng	0.00
76) Chrysene-d12	14.068	240	504507	20.000	ng	0.00
86) Perylene-d12	15.557	264	463876	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	727810	76.031	ng	0.00
7) Phenol-d6	6.522	99	917285	77.911	ng	0.00
23) Nitrobenzene-d5	7.463	82	543317	49.957	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	329981	89.076	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1223365	45.462	ng	0.00
79) Terphenyl-d14	13.010	244	1503921	44.122	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.687	88	147968	34.326	ng	99
3) Pyridine	3.451	79	404047	39.923	ng	98
4) n-Nitrosodimethylamine	3.404	42	233999	39.781	ng	96
6) Aniline	6.563	93	610214	52.841	ng	99
8) 2-Chlorophenol	6.681	128	464357	45.395	ng	98
9) Benzaldehyde	6.445	77	279913	40.621	ng	99
10) Phenol	6.534	94	592200	47.452	ng	98
11) bis(2-Chloroethyl)ether	6.634	93	427498	34.736	ng	97
12) 1,3-Dichlorobenzene	6.839	146	482962	41.269	ng	98
13) 1,4-Dichlorobenzene	6.916	146	490447	41.739	ng	99
14) 1,2-Dichlorobenzene	7.069	146	475638	42.172	ng	99
15) Benzyl Alcohol	7.039	79	372562	48.868	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.175	45	750259	40.823	ng	100
17) 2-Methylphenol	7.145	107	366691	44.277	ng	100
18) Hexachloroethane	7.416	117	170553	43.625	ng	99
19) n-Nitroso-di-n-propyla...	7.310	70	312261	42.877	ng	99
20) 3+4-Methylphenols	7.298	107	461691	44.669	ng	95
22) Acetophenone	7.310	105	599580	40.656	ng	99
24) Nitrobenzene	7.481	77	460221	44.892	ng	98
25) Isophorone	7.722	82	870718	42.279	ng	100
26) 2-Nitrophenol	7.798	139	241919	48.876	ng	99
27) 2,4-Dimethylphenol	7.833	122	447816	43.249	ng	99
28) bis(2-Chloroethoxy)met...	7.934	93	545344	41.181	ng	99
29) 2,4-Dichlorophenol	8.039	162	404695	45.972	ng	98
30) 1,2,4-Trichlorobenzene	8.122	180	413037	41.691	ng	99
31) Naphthalene	8.204	128	1348598	41.952	ng	100
32) Benzoic acid	7.939	122	301339	52.709	ng	99
33) 4-Chloroaniline	8.251	127	254396	19.394	ng	99
34) Hexachlorobutadiene	8.322	225	246231	41.973	ng	99
35) Caprolactam	8.616	113	140852m	54.900	ng	
36) 4-Chloro-3-methylphenol	8.728	107	424687	46.409	ng	99
37) 2-Methylnaphthalene	8.898	142	860980	43.103	ng	99
38) 1-Methylnaphthalene	8.998	142	882557	42.391	ng	99
40) 1,2,4,5-Tetrachloroben...	9.063	216	420929	39.280	ng	99
41) Hexachlorocyclopentadiene	9.051	237	575524	86.900	ng	99
43) 2,4,6-Trichlorophenol	9.169	196	304019	44.977	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142367.D
Acq On : 14 May 2025 15:48
Operator : RC/JU
Sample : Q1982-03MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3MSD

Quant Time: May 14 16:18:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

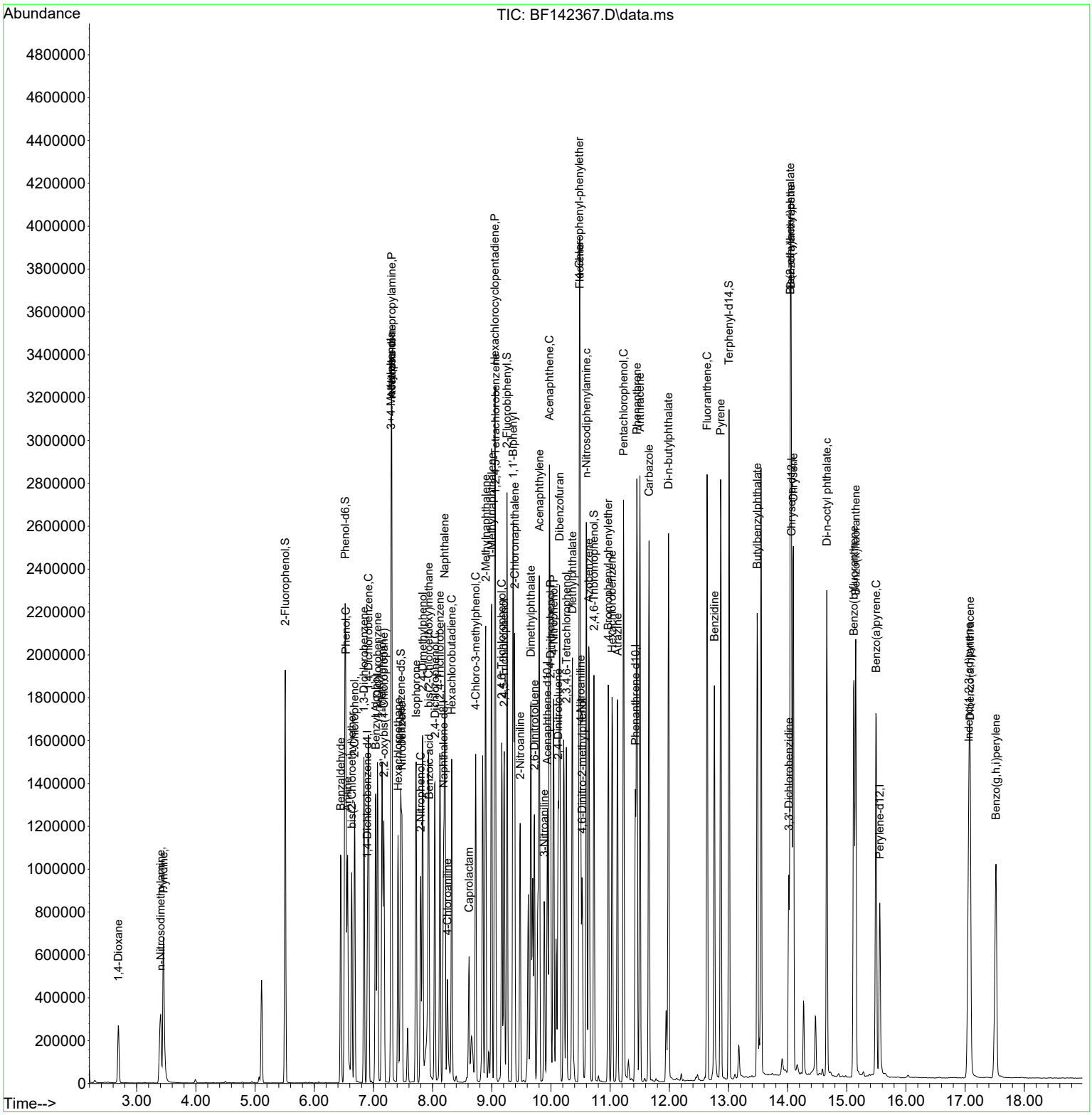
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	329488	45.813	ng		99
46) 1,1'-Biphenyl	9.363	154	1179021	40.076	ng		99
47) 2-Chloronaphthalene	9.386	162	876771	40.075	ng		99
48) 2-Nitroaniline	9.480	65	278721	49.701	ng		93
49) Acenaphthylene	9.804	152	1503613	41.083	ng		100
50) Dimethylphthalate	9.663	163	1087910	44.156	ng		100
51) 2,6-Dinitrotoluene	9.722	165	235845	51.140	ng		91
52) Acenaphthene	9.975	154	1015493	46.144	ng		99
53) 3-Nitroaniline	9.886	138	197625	36.538	ng		95
54) 2,4-Dinitrophenol	9.992	184	287471	115.398	ng	#	3
55) Dibenzofuran	10.145	168	1338806	41.222	ng		99
56) 4-Nitrophenol	10.045	139	457871	112.478	ng		96
57) 2,4-Dinitrotoluene	10.122	165	336965	56.961	ng		96
58) Fluorene	10.486	166	1029226	41.525	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	285508	48.088	ng		98
60) Diethylphthalate	10.363	149	1099801	44.698	ng		99
61) 4-Chlorophenyl-phenyle...	10.480	204	505137	42.242	ng		100
62) 4-Nitroaniline	10.504	138	266492	62.165	ng		99
63) Azobenzene	10.639	77	1047634	44.557	ng		98
65) 4,6-Dinitro-2-methylph...	10.527	198	177334	53.686	ng		99
66) n-Nitrosodiphenylamine	10.598	169	943012	40.738	ng		100
67) 4-Bromophenyl-phenylether	10.969	248	331117	41.999	ng		99
68) Hexachlorobenzene	11.033	284	363982	41.971	ng		98
69) Atrazine	11.127	200	311861	51.109	ng		100
70) Pentachlorophenol	11.227	266	460619	100.965	ng		98
71) Phenanthrene	11.451	178	1517989	41.630	ng		100
72) Anthracene	11.504	178	1560663	41.655	ng		100
73) Carbazole	11.657	167	1466489	43.628	ng		100
74) Di-n-butylphthalate	11.986	149	1809368	51.191	ng		100
75) Fluoranthene	12.639	202	1657698	45.479	ng		100
77) Benzidine	12.763	184	1021921	111.462	ng		98
78) Pyrene	12.868	202	1674701	37.293	ng		100
80) Butylbenzylphthalate	13.486	149	716198	54.143	ng		99
81) Benzo(a)anthracene	14.057	228	1348952	41.287	ng		100
82) 3,3'-Dichlorobenzidine	14.021	252	288195	37.931	ng		98
83) Chrysene	14.098	228	1288523	42.364	ng		99
84) Bis(2-ethylhexyl)phtha...	14.045	149	983412	56.774	ng		100
85) Di-n-octyl phthalate	14.662	149	1530562	49.457	ng		97
87) Indeno(1,2,3-cd)pyrene	17.062	276	1201187	37.225	ng		99
88) Benzo(b)fluoranthene	15.121	252	1206700	42.951	ng		99
89) Benzo(k)fluoranthene	15.151	252	1158689	45.067	ng		100
90) Benzo(a)pyrene	15.498	252	1117294	44.379	ng		99
91) Dibenzo(a,h)anthracene	17.086	278	992131	37.216	ng		98
92) Benzo(g,h,i)perylene	17.521	276	924006	34.922	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142367.D
Acq On : 14 May 2025 15:48
Operator : RC/JU
Sample : Q1982-03MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3MSD

Quant Time: May 14 16:18:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024639.D
Acq On : 15 May 2025 15:59
Operator : RC/JU
Sample : Q2010-02MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-13MSD

Quant Time: May 15 16:30:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.657	152	159501	20.000	ng	0.00
21) Naphthalene-d8	10.428	136	628820	20.000	ng	0.00
39) Acenaphthene-d10	14.298	164	375530	20.000	ng	0.00
64) Phenanthrene-d10	17.104	188	726778	20.000	ng	0.00
76) Chrysene-d12	21.527	240	785534	20.000	ng	0.00
86) Perylene-d12	24.798	264	909133	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	842673	90.362	ng	0.00
7) Phenol-d6	6.852	99	1048617	88.105	ng	0.00
23) Nitrobenzene-d5	8.810	82	651986	52.388	ng	0.00
42) 2,4,6-Tribromophenol	15.828	330	550955	86.542	ng	0.02
45) 2-Fluorobiphenyl	12.904	172	1458091	50.869	ng	0.00
79) Terphenyl-d14	19.821	244	2280930	49.789	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.228	88	165000	37.680	ng	99
3) Pyridine	3.616	79	403411	41.547	ng	98
4) n-Nitrosodimethylamine	3.534	42	186147	43.425	ng	97
6) Aniline	6.999	93	560425	36.471	ng	99
8) 2-Chlorophenol	7.240	128	504222	47.629	ng	99
9) Benzaldehyde	6.816	77	308327	40.019	ng	99
10) Phenol	6.881	94	590851	48.098	ng	98
11) bis(2-Chloroethyl)ether	7.093	93	429994	42.599	ng	99
12) 1,3-Dichlorobenzene	7.552	146	535369	43.956	ng	99
13) 1,4-Dichlorobenzene	7.693	146	543293	44.350	ng	99
14) 1,2-Dichlorobenzene	8.004	146	521355	43.677	ng	99
15) Benzyl Alcohol	7.904	79	417550	46.166	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.181	45	507595	41.990	ng	98
17) 2-Methylphenol	8.110	107	400289	45.432	ng	99
18) Hexachloroethane	8.722	117	205990	43.881	ng	96
19) n-Nitroso-di-n-propyla...	8.457	70	334353	40.611	ng	99
20) 3+4-Methylphenols	8.434	107	542791	45.290	ng	97
22) Acetophenone	8.475	105	708122	45.082	ng	98
24) Nitrobenzene	8.851	77	500401	45.690	ng	97
25) Isophorone	9.375	82	946143	43.827	ng	100
26) 2-Nitrophenol	9.551	139	268593	50.048	ng	98
27) 2,4-Dimethylphenol	9.622	122	454005	47.982	ng	100
28) bis(2-Chloroethoxy)met...	9.846	93	576552	44.702	ng	99
29) 2,4-Dichlorophenol	10.087	162	451816	49.275	ng	97
30) 1,2,4-Trichlorobenzene	10.293	180	477127	46.177	ng	97
31) Naphthalene	10.475	128	1467759	45.043	ng	100
32) Benzoic acid	9.787	122	322696	48.835	ng	99
33) 4-Chloroaniline	10.598	127	377895	28.739	ng	99
34) Hexachlorobutadiene	10.757	225	305965	45.710	ng	96
35) Caprolactam	11.381	113	152861m	46.078	ng	
36) 4-Chloro-3-methylphenol	11.734	107	518151	46.339	ng	100
37) 2-Methylnaphthalene	12.092	142	937935	44.452	ng	99
38) 1-Methylnaphthalene	12.316	142	959403	42.496	ng	99
40) 1,2,4,5-Tetrachloroben...	12.469	216	526111	48.245	ng	99
41) Hexachlorocyclopentadiene	12.445	237	753385	113.935	ng	98
43) 2,4,6-Trichlorophenol	12.710	196	366355	51.868	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024639.D
Acq On : 15 May 2025 15:59
Operator : RC/JU
Sample : Q2010-02MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-13MSD

Quant Time: May 15 16:30:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

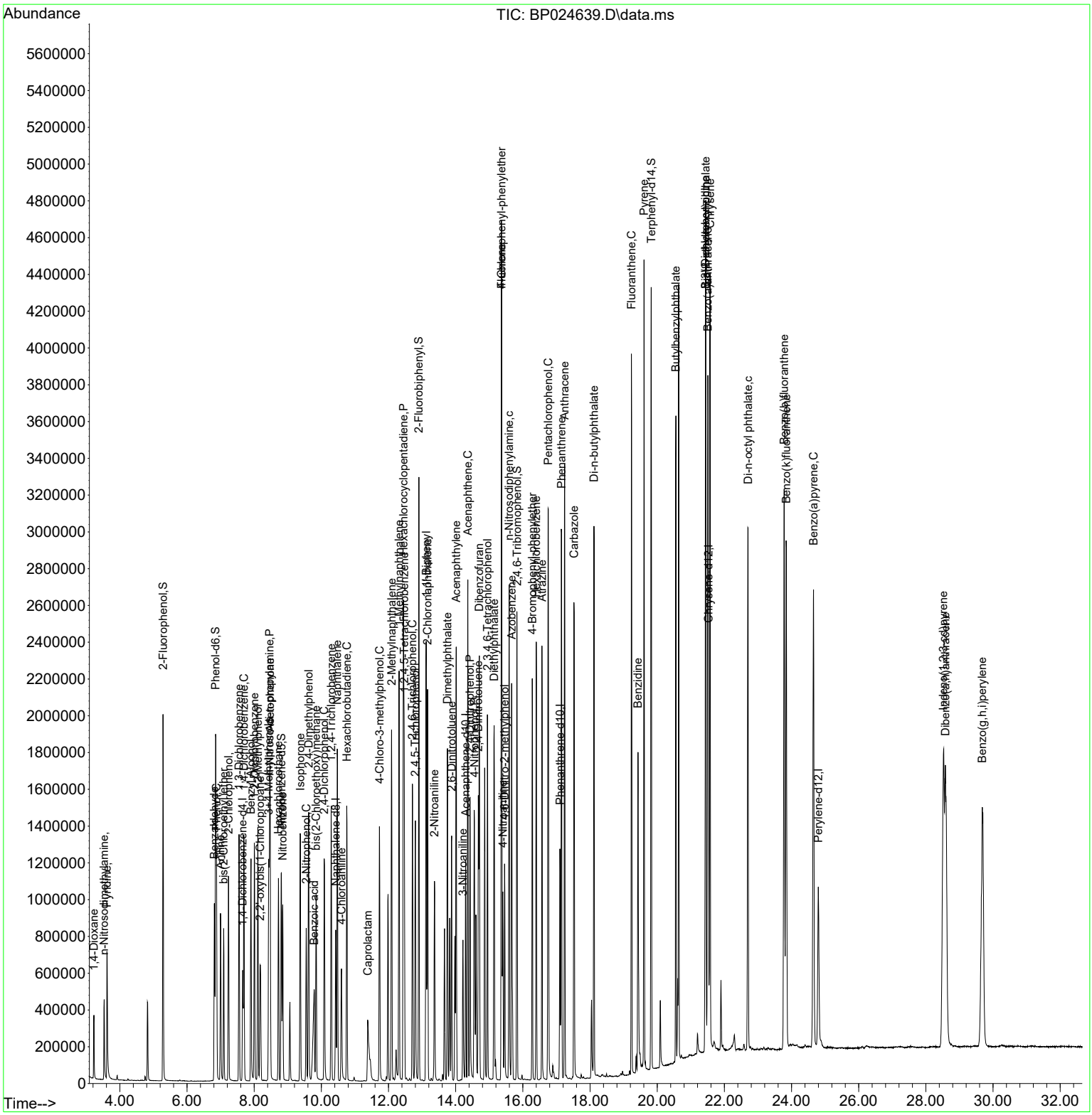
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.798	196	400383	50.924	ng		98
46) 1,1'-Biphenyl	13.122	154	1303750	46.972	ng		100
47) 2-Chloronaphthalene	13.163	162	996633	47.093	ng		100
48) 2-Nitroaniline	13.369	65	310532	49.562	ng		99
49) Acenaphthylene	14.016	152	1622651	45.817	ng		100
50) Dimethylphthalate	13.757	163	1292316	45.149	ng		100
51) 2,6-Dinitrotoluene	13.881	165	279686	46.267	ng		98
52) Acenaphthene	14.363	154	927052	45.533	ng		99
53) 3-Nitroaniline	14.216	138	207346	33.592	ng		97
54) 2,4-Dinitrophenol	14.428	184	370998	95.940	ng		98
55) Dibenzofuran	14.704	168	1468896	45.231	ng		98
56) 4-Nitrophenol	14.557	139	516252	95.730	ng		98
57) 2,4-Dinitrotoluene	14.675	165	401464	47.107	ng		99
58) Fluorene	15.363	166	1214988	45.883	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.945	232	353018	48.402	ng		99
60) Diethylphthalate	15.145	149	1325337	45.812	ng		100
61) 4-Chlorophenyl-phenyle...	15.363	204	601374	45.538	ng		99
62) 4-Nitroaniline	15.404	138	294125	49.350	ng		99
63) Azobenzene	15.669	77	1233658	49.848	ng		97
65) 4,6-Dinitro-2-methylph...	15.457	198	237337	50.556	ng		98
66) n-Nitrosodiphenylamine	15.592	169	1052029	47.126	ng		99
67) 4-Bromophenyl-phenylether	16.280	248	408770	47.731	ng		98
68) Hexachlorobenzene	16.398	284	508136	46.695	ng		99
69) Atrazine	16.569	200	389218	47.576	ng		98
70) Pentachlorophenol	16.757	266	671128	109.866	ng		99
71) Phenanthrene	17.151	178	1855042	45.914	ng		100
72) Anthracene	17.245	178	1890233	46.501	ng		100
73) Carbazole	17.522	167	1770616	48.125	ng		100
74) Di-n-butylphthalate	18.116	149	2304897	48.711	ng		99
75) Fluoranthene	19.233	202	2177024	46.096	ng		100
77) Benzidine	19.427	184	1216882	56.878	ng		99
78) Pyrene	19.610	202	2253283	47.874	ng		100
80) Butylbenzylphthalate	20.557	149	1060952	50.684	ng		96
81) Benzo(a)anthracene	21.510	228	2338691	47.414	ng		99
82) 3,3'-Dichlorobenzidine	21.439	252	622869	33.999	ng		100
83) Chrysene	21.574	228	2179347	46.609	ng		100
84) Bis(2-ethylhexyl)phtha...	21.445	149	1512698	49.165	ng		100
85) Di-n-octyl phthalate	22.704	149	2553144	50.745	ng		100
87) Indeno(1,2,3-cd)pyrene	28.521	276	3226858	48.618	ng	#	85
88) Benzo(b)fluoranthene	23.780	252	2476684	47.594	ng		100
89) Benzo(k)fluoranthene	23.845	252	2478499	46.222	ng		99
90) Benzo(a)pyrene	24.657	252	2397923	47.980	ng		99
91) Dibenzo(a,h)anthracene	28.586	278	2621583	48.552	ng		100
92) Benzo(g,h,i)perylene	29.680	276	2625102	48.888	ng		100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024639.D
Acq On : 15 May 2025 15:59
Operator : RC/JU
Sample : Q2010-02MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-13MSD

Quant Time: May 15 16:30:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



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

Manual Integration Report

Sequence:	bf050525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF142296.D	4-Chloroaniline	Rahul	5/6/2025 9:54:09 AM	Jagrut	5/6/2025 10:53:06 AM	Peak Integrated by Software
SSTDICC005	BF142296.D	bis(2-Chloroethyl)ether	Rahul	5/6/2025 9:54:09 AM	Jagrut	5/6/2025 10:53:06 AM	Peak Integrated by Software
SSTDICC005	BF142296.D	Pyridine	Rahul	5/6/2025 9:54:09 AM	Jagrut	5/6/2025 10:53:06 AM	Peak Integrated by Software
SSTDICC010	BF142297.D	4-Chloroaniline	Rahul	5/6/2025 9:54:13 AM	Jagrut	5/6/2025 10:53:10 AM	Peak Integrated by Software
SSTDICC010	BF142297.D	Benzoic acid	Rahul	5/6/2025 9:54:13 AM	Jagrut	5/6/2025 10:53:10 AM	Peak Integrated by Software
SSTDICC010	BF142297.D	bis(2-Chloroethyl)ether	Rahul	5/6/2025 9:54:13 AM	Jagrut	5/6/2025 10:53:10 AM	Peak Integrated by Software
SSTDICC020	BF142298.D	4-Chloroaniline	Rahul	5/6/2025 9:54:17 AM	Jagrut	5/6/2025 10:53:16 AM	Peak Integrated by Software
SSTDICC020	BF142298.D	Benzoic acid	Rahul	5/6/2025 9:54:17 AM	Jagrut	5/6/2025 10:53:16 AM	Peak Integrated by Software
SSTDICCC040	BF142299.D	4-Chloroaniline	Rahul	5/6/2025 9:54:21 AM	Jagrut	5/6/2025 10:53:20 AM	Peak Integrated by Software
SSTDICCC040	BF142299.D	bis(2-Chloroethyl)ether	Rahul	5/6/2025 9:54:21 AM	Jagrut	5/6/2025 10:53:20 AM	Peak Integrated by Software
SSTDICCC040	BF142299.D	Phenol	Rahul	5/6/2025 9:54:21 AM	Jagrut	5/6/2025 10:53:20 AM	Peak Integrated by Software
SSTDICC050	BF142300.D	4-Chloroaniline	Rahul	5/6/2025 9:54:25 AM	Jagrut	5/6/2025 10:53:28 AM	Peak Integrated by Software
SSTDICC050	BF142300.D	Benzoic acid	Rahul	5/6/2025 9:54:25 AM	Jagrut	5/6/2025 10:53:28 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bf050525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC050	BF142300.D	bis(2-Chloroethyl)ether	Rahul	5/6/2025 9:54:25 AM	Jagrut	5/6/2025 10:53:28 AM	Peak Integrated by Software
SSTDICC050	BF142300.D	Phenol	Rahul	5/6/2025 9:54:25 AM	Jagrut	5/6/2025 10:53:28 AM	Peak Integrated by Software
SSTDICC060	BF142301.D	4-Chloroaniline	Rahul	5/6/2025 9:54:28 AM	Jagrut	5/6/2025 10:53:32 AM	Peak Integrated by Software
SSTDICC060	BF142301.D	Benzoic acid	Rahul	5/6/2025 9:54:28 AM	Jagrut	5/6/2025 10:53:32 AM	Peak Integrated by Software
SSTDICC060	BF142301.D	bis(2-Chloroethyl)ether	Rahul	5/6/2025 9:54:28 AM	Jagrut	5/6/2025 10:53:32 AM	Peak Integrated by Software
SSTDICC060	BF142301.D	Phenol	Rahul	5/6/2025 9:54:28 AM	Jagrut	5/6/2025 10:53:32 AM	Peak Integrated by Software
SSTDICC080	BF142302.D	4-Chloroaniline	Rahul	5/6/2025 9:54:34 AM	Jagrut	5/6/2025 10:53:38 AM	Peak Integrated by Software
SSTDICC080	BF142302.D	Benzoic acid	Rahul	5/6/2025 9:54:34 AM	Jagrut	5/6/2025 10:53:38 AM	Peak Integrated by Software
SSTDICC080	BF142302.D	bis(2-Chloroethyl)ether	Rahul	5/6/2025 9:54:34 AM	Jagrut	5/6/2025 10:53:38 AM	Peak Integrated by Software
SSTDICC080	BF142302.D	Caprolactam	Rahul	5/6/2025 9:54:34 AM	Jagrut	5/6/2025 10:53:38 AM	Peak Integrated by Software
SSTDICC080	BF142302.D	Phenol	Rahul	5/6/2025 9:54:34 AM	Jagrut	5/6/2025 10:53:38 AM	Peak Integrated by Software
SSTDICV040	BF142303.D	4-Chloroaniline	Rahul	5/6/2025 9:54:37 AM	Jagrut	5/6/2025 10:53:42 AM	Peak Integrated by Software
SSTDICV040	BF142303.D	Benzoic acid	Rahul	5/6/2025 9:54:37 AM	Jagrut	5/6/2025 10:53:42 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bf050525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICV040	BF142303.D	bis(2-Chloroethyl)ether	Rahul	5/6/2025 9:54:37 AM	Jagrut	5/6/2025 10:53:42 AM	Peak Integrated by Software
SSTDICV040	BF142303.D	Phenol	Rahul	5/6/2025 9:54:37 AM	Jagrut	5/6/2025 10:53:42 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bf051425	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF142360.D	4-Chloroaniline	Rahul	5/15/2025 9:03:38 AM	Jagrut	5/15/2025 3:44:44 PM	Peak Integrated by Software
Q1982-03MS	BF142366.D	Benzoic acid	Rahul	5/15/2025 9:03:43 AM	Jagrut	5/15/2025 3:44:51 PM	Peak Integrated by Software
Q1982-03MS	BF142366.D	Caprolactam	Rahul	5/15/2025 9:03:43 AM	Jagrut	5/15/2025 3:44:51 PM	Peak Integrated by Software
Q1982-03MSD	BF142367.D	Caprolactam	Rahul	5/15/2025 9:03:47 AM	Jagrut	5/15/2025 3:45:02 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF051525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF142384.D	4-Chloroaniline	Rahul	5/16/2025 12:18:47 PM	Jagrut	5/16/2025 5:46:51 PM	Peak Integrated by Software
Q1982-04	BF142413.D	Benzo(b)fluoranthene	Rahul	5/16/2025 12:19:22 PM	Jagrut	5/16/2025 5:48:01 PM	Peak Integrated by Software
Q1982-04	BF142413.D	Benzo(k)fluoranthene	Rahul	5/16/2025 12:19:22 PM	Jagrut	5/16/2025 5:48:01 PM	Peak Integrated by Software
Q1982-04	BF142413.D	Indeno(1,2,3-cd)pyrene	Rahul	5/16/2025 12:19:22 PM	Jagrut	5/16/2025 5:48:01 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF051625	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF142416.D	4-Chloroaniline	Rahul	5/19/2025 1:41:33 PM	Jagrut	5/19/2025 5:03:57 PM	Peak Integrated by Software
PB167953BS	BF142419.D	4-Chloroaniline	Rahul	5/19/2025 1:41:39 PM	Jagrut	5/19/2025 5:04:02 PM	Peak Integrated by Software
PB167953BS	BF142419.D	Caprolactam	Rahul	5/19/2025 1:41:39 PM	Jagrut	5/19/2025 5:04:02 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BP051325	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP024615.D	4-Nitroaniline	Rahul	5/14/2025 2:19:40 PM	Jagrut	5/14/2025 5:15:55 PM	Peak Integrated by Software
SSTDICC005	BP024615.D	Benzaldehyde	Rahul	5/14/2025 2:19:40 PM	Jagrut	5/14/2025 5:15:55 PM	Peak Integrated by Software
SSTDICC005	BP024615.D	Caprolactam	Rahul	5/14/2025 2:19:40 PM	Jagrut	5/14/2025 5:15:55 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	4-Nitroaniline	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	Benzaldehyde	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	Benzidine	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	Benzoic acid	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	Caprolactam	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	Pentachlorophenol	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC020	BP024617.D	Benzaldehyde	Rahul	5/14/2025 2:19:45 PM	Jagrut	5/14/2025 5:16:09 PM	Peak Integrated by Software
SSTDICC020	BP024617.D	Benzoic acid	Rahul	5/14/2025 2:19:45 PM	Jagrut	5/14/2025 5:16:09 PM	Peak Integrated by Software
SSTDICC020	BP024617.D	Indeno(1,2,3-cd)pyrene	Rahul	5/14/2025 2:19:45 PM	Jagrut	5/14/2025 5:16:09 PM	Peak Integrated by Software
SSTDICCC040	BP024618.D	Benzaldehyde	Rahul	5/14/2025 2:19:48 PM	Jagrut	5/14/2025 5:16:12 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BP051325	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICCC040	BP024618.D	Benzoic acid	Rahul	5/14/2025 2:19:48 PM	Jagrut	5/14/2025 5:16:12 PM	Peak Integrated by Software
SSTDICC080	BP024621.D	Indeno(1,2,3-cd)pyrene	Rahul	5/14/2025 2:19:51 PM	Jagrut	5/14/2025 5:16:14 PM	Peak Integrated by Software
SSTDICV040	BP024622.D	Indeno(1,2,3-cd)pyrene	Rahul	5/14/2025 2:19:57 PM	Jagrut	5/14/2025 5:16:17 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP051525	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB167973BS	BP024636.D	Indeno(1,2,3-cd)pyrene	Rahul	5/16/2025 1:10:20 PM	Jagrut	5/16/2025 5:49:16 PM	Peak Integrated by Software
Q2010-02MSD	BP024639.D	Caprolactam	Rahul	5/16/2025 1:10:23 PM	Jagrut	5/16/2025 5:49:19 PM	Peak Integrated by Software
Q1982-08	BP024647.D	Chrysene	Rahul	5/16/2025 1:10:29 PM	Jagrut	5/16/2025 5:49:24 PM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF050525

Review By	Rahul	Review On	5/6/2025 9:56:17 AM		
Supervise By	Jagrut	Supervise On	5/6/2025 10:53:56 AM		
SubDirectory	BF050525	HP Acquire Method	BNA_F	HP Processing Method	bf050525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12662,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142294.D	05 May 2025 13:24	RC/JU	Ok
2	SSTDICC2.5	BF142295.D	05 May 2025 13:54	RC/JU	Ok
3	SSTDICC005	BF142296.D	05 May 2025 14:23	RC/JU	Ok,M
4	SSTDICC010	BF142297.D	05 May 2025 14:52	RC/JU	Ok,M
5	SSTDICC020	BF142298.D	05 May 2025 15:21	RC/JU	Ok,M
6	SSTDICCC040	BF142299.D	05 May 2025 15:50	RC/JU	Ok,M
7	SSTDICC050	BF142300.D	05 May 2025 16:18	RC/JU	Ok,M
8	SSTDICC060	BF142301.D	05 May 2025 16:47	RC/JU	Ok,M
9	SSTDICC080	BF142302.D	05 May 2025 17:15	RC/JU	Ok,M
10	SSTDICV040	BF142303.D	05 May 2025 18:13	RC/JU	Ok,M
11	PB167836BL	BF142304.D	05 May 2025 18:41	RC/JU	Not Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF051425

Review By	Rahul	Review On	5/15/2025 9:21:42 AM		
Supervise By	Jagrut	Supervise On	5/15/2025 3:45:47 PM		
SubDirectory	BF051425	HP Acquire Method	BNA_F	HP Processing Method	bf050525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12664,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142359.D	14 May 2025 11:22	RC/JU	Ok
2	SSTDCCC040	BF142360.D	14 May 2025 12:19	RC/JU	Ok,M
3	PB167929BL	BF142361.D	14 May 2025 12:51	RC/JU	Ok
4	PB167929BS	BF142362.D	14 May 2025 13:20	RC/JU	Ok,M
5	Q2004-01	BF142363.D	14 May 2025 13:54	RC/JU	Ok
6	Q1982-01	BF142364.D	14 May 2025 14:23	RC/JU	Ok
7	Q1982-03	BF142365.D	14 May 2025 14:51	RC/JU	Ok
8	Q1982-03MS	BF142366.D	14 May 2025 15:20	RC/JU	Ok,M
9	Q1982-03MSD	BF142367.D	14 May 2025 15:48	RC/JU	Ok,M
10	Q2014-03	BF142368.D	14 May 2025 16:17	RC/JU	Ok
11	Q2004-03	BF142369.D	14 May 2025 16:46	RC/JU	Ok
12	Q2017-04	BF142370.D	14 May 2025 17:15	RC/JU	Ok
13	Q2001-03	BF142371.D	14 May 2025 17:44	RC/JU	Ok
14	Q2001-03MS	BF142372.D	14 May 2025 18:12	RC/JU	Ok,M
15	Q2001-03MSD	BF142373.D	14 May 2025 18:41	RC/JU	Ok,M
16	Q2001-07	BF142374.D	14 May 2025 19:10	RC/JU	Ok
17	Q2001-11	BF142375.D	14 May 2025 19:39	RC/JU	Ok
18	Q2001-15	BF142376.D	14 May 2025 20:08	RC/JU	Ok
19	Q2017-08	BF142377.D	14 May 2025 20:37	RC/JU	Ok
20	Q1982-02	BF142378.D	14 May 2025 21:06	RC/JU	Ok
21	Q2004-09	BF142379.D	14 May 2025 21:35	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF051425

Review By	Rahul	Review On	5/15/2025 9:21:42 AM				
Supervise By	Jagrut	Supervise On	5/15/2025 3:45:47 PM				
SubDirectory	BF051425	HP Acquire Method	BNA_F		HP Processing Method	bf050525	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12664,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2017-01	BF142380.D	14 May 2025 22:03	RC/JU	Ok
23	Q2017-05	BF142381.D	14 May 2025 22:32	RC/JU	Ok
24	Q2005-01	BF142382.D	14 May 2025 23:00	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF051525

Review By	Rahul	Review On	5/16/2025 2:19:49 PM		
Supervise By	Jagrut	Supervise On	5/16/2025 5:48:19 PM		
SubDirectory	BF051525	HP Acquire Method	BNA_F	HP Processing Method	bf050525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12664,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142383.D	15 May 2025 09:09	RC/JU	Ok
2	SSTDCCC040	BF142384.D	15 May 2025 10:08	RC/JU	Ok,M
3	PB167951BL	BF142385.D	15 May 2025 10:37	RC/JU	Ok
4	PB167951BS	BF142386.D	15 May 2025 11:06	RC/JU	Ok,M
5	Q1985-01	BF142387.D	15 May 2025 11:49	RC/JU	Ok
6	Q1993-02MS	BF142388.D	15 May 2025 12:18	RC/JU	Ok,M
7	Q1993-03MSD	BF142389.D	15 May 2025 12:47	RC/JU	Ok,M
8	Q1983-07	BF142390.D	15 May 2025 13:24	RC/JU	Ok,M
9	SSTDCCC040	BF142391.D	15 May 2025 13:58	RC/JU	Ok
10	DFTPP	BF142392.D	15 May 2025 14:27	RC/JU	Ok
11	SSTDCCC040	BF142393.D	15 May 2025 15:41	RC/JU	Ok
12	PB167953BL	BF142394.D	15 May 2025 16:10	RC/JU	Ok
13	Q2023-01	BF142395.D	15 May 2025 16:43	RC/JU	Ok
14	Q2022-01	BF142396.D	15 May 2025 17:12	RC/JU	Ok
15	Q2010-03	BF142397.D	15 May 2025 17:42	RC/JU	Ok
16	Q2010-04	BF142398.D	15 May 2025 18:11	RC/JU	Ok
17	Q1982-06	BF142399.D	15 May 2025 18:40	RC/JU	Ok
18	Q2022-04	BF142400.D	15 May 2025 19:09	RC/JU	Ok
19	Q2022-04MS	BF142401.D	15 May 2025 19:38	RC/JU	Ok,M
20	Q2022-04MSD	BF142402.D	15 May 2025 20:07	RC/JU	Ok,M
21	Q2014-05	BF142403.D	15 May 2025 20:36	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF051525

Review By	Rahul	Review On	5/16/2025 2:19:49 PM		
Supervise By	Jagrut	Supervise On	5/16/2025 5:48:19 PM		
SubDirectory	BF051525	HP Acquire Method	BNA_F	HP Processing Method	bf050525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12664,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2022-02	BF142404.D	15 May 2025 21:05	RC/JU	Ok,M
23	Q2019-01	BF142405.D	15 May 2025 21:34	RC/JU	Ok
24	Q1982-07	BF142406.D	15 May 2025 22:04	RC/JU	Ok
25	Q2038-01	BF142407.D	15 May 2025 22:33	RC/JU	Dilution
26	Q1982-05	BF142408.D	15 May 2025 23:01	RC/JU	Ok
27	Q2014-01	BF142409.D	15 May 2025 23:31	RC/JU	Ok
28	Q2020-01	BF142410.D	15 May 2025 23:59	RC/JU	Ok
29	Q2024-01	BF142411.D	16 May 2025 00:28	RC/JU	Ok,M
30	Q2010-01	BF142412.D	16 May 2025 00:58	RC/JU	Ok,M
31	Q1982-04	BF142413.D	16 May 2025 01:27	RC/JU	Ok,M
32	Q2039-01	BF142414.D	16 May 2025 01:56	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF051625

Review By	Rahul	Review On	5/19/2025 1:42:48 PM		
Supervise By	Jagrut	Supervise On	5/19/2025 5:04:42 PM		
SubDirectory	BF051625	HP Acquire Method	BNA_F	HP Processing Method	bf050525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12664,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142415.D	16 May 2025 09:16	RC/JU	Ok
2	SSTDCCC040	BF142416.D	16 May 2025 09:45	RC/JU	Ok,M
3	PB168000BL	BF142417.D	16 May 2025 10:14	RC/JU	Ok
4	PB168000BS	BF142418.D	16 May 2025 10:43	RC/JU	Ok,M
5	PB167953BS	BF142419.D	16 May 2025 11:13	RC/JU	Ok,M
6	PB167970BL	BF142420.D	16 May 2025 11:42	RC/JU	Ok
7	PB167970BS	BF142421.D	16 May 2025 12:11	RC/JU	Ok,M
8	PB167943TB	BF142422.D	16 May 2025 12:40	RC/JU	Ok
9	Q2048-01	BF142423.D	16 May 2025 13:19	RC/JU	ReRun
10	Q2048-13	BF142424.D	16 May 2025 13:48	RC/JU	Ok
11	Q2048-05	BF142425.D	16 May 2025 14:17	RC/JU	Ok
12	Q2048-09	BF142426.D	16 May 2025 14:46	RC/JU	Ok
13	Q2034-01	BF142427.D	16 May 2025 15:16	RC/JU	Ok
14	Q2034-01MS	BF142428.D	16 May 2025 15:46	RC/JU	Ok
15	Q2034-01MSD	BF142429.D	16 May 2025 16:15	RC/JU	Ok
16	Q2038-01DL	BF142430.D	16 May 2025 16:44	RC/JU	Ok,M
17	Q2034-05	BF142431.D	16 May 2025 17:14	RC/JU	Ok,M
18	Q2034-17	BF142432.D	16 May 2025 17:43	RC/JU	Ok,M
19	Q2034-21	BF142433.D	16 May 2025 18:13	RC/JU	Ok,M
20	Q2034-09	BF142434.D	16 May 2025 18:42	RC/JU	Ok,M
21	Q2034-13	BF142435.D	16 May 2025 19:11	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF051625

Review By	Rahul	Review On	5/19/2025 1:42:48 PM				
Supervise By	Jagrut	Supervise On	5/19/2025 5:04:42 PM				
SubDirectory	BF051625	HP Acquire Method	BNA_F		HP Processing Method	bf050525	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12664,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2055-01	BF142436.D	16 May 2025 19:40	RC/JU	Ok,M
23	Q2047-01	BF142437.D	16 May 2025 20:09	RC/JU	ReRun
24	Q2043-01	BF142438.D	16 May 2025 20:38	RC/JU	Ok,M
25	Q2043-03	BF142439.D	16 May 2025 21:08	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP051325

Review By	Rahul	Review On	5/14/2025 2:20:20 PM		
Supervise By	Jagrut	Supervise On	5/14/2025 5:16:42 PM		
SubDirectory	BP051325	HP Acquire Method	BNA_P	HP Processing Method	bp051325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12664,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024613.D	13 May 2025 10:00	RC/JU	Ok
2	SSTDICC2.5	BP024614.D	13 May 2025 10:41	RC/JU	Ok
3	SSTDICC005	BP024615.D	13 May 2025 11:22	RC/JU	Ok,M
4	SSTDICC010	BP024616.D	13 May 2025 12:03	RC/JU	Ok,M
5	SSTDICC020	BP024617.D	13 May 2025 12:43	RC/JU	Ok,M
6	SSTDICCC040	BP024618.D	13 May 2025 13:24	RC/JU	Ok,M
7	SSTDICC050	BP024619.D	13 May 2025 14:05	RC/JU	Ok
8	SSTDICC060	BP024620.D	13 May 2025 14:45	RC/JU	Ok
9	SSTDICC080	BP024621.D	13 May 2025 15:26	RC/JU	Ok,M
10	SSTDICV040	BP024622.D	13 May 2025 17:01	RC/JU	Ok,M
11	PB167917TB	BP024623.D	13 May 2025 18:23	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP051525

Review By	Rahul	Review On	5/16/2025 2:18:41 PM				
Supervise By	Jagrut	Supervise On	5/16/2025 5:49:55 PM				
SubDirectory	BP051525	HP Acquire Method	BNA_P		HP Processing Method	BP051325	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12664,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024633.D	15 May 2025 11:44	RC/JU	Ok
2	SSTDCCC040	BP024634.D	15 May 2025 12:25	RC/JU	Ok
3	PB167973BL	BP024635.D	15 May 2025 13:05	RC/JU	Ok
4	PB167973BS	BP024636.D	15 May 2025 13:53	RC/JU	Ok,M
5	Q2010-02	BP024637.D	15 May 2025 14:38	RC/JU	Ok
6	Q2010-02MS	BP024638.D	15 May 2025 15:18	RC/JU	Ok
7	Q2010-02MSD	BP024639.D	15 May 2025 15:59	RC/JU	Ok,M
8	Q1984-01	BP024640.D	15 May 2025 16:40	RC/JU	Ok
9	Q1984-03	BP024641.D	15 May 2025 17:21	RC/JU	ReRun
10	Q1984-05	BP024642.D	15 May 2025 18:01	RC/JU	Ok
11	Q1984-09	BP024643.D	15 May 2025 18:42	RC/JU	ReRun
12	Q1984-11	BP024644.D	15 May 2025 19:23	RC/JU	Ok
13	Q1984-13	BP024645.D	15 May 2025 20:04	RC/JU	ReRun
14	Q1984-15	BP024646.D	15 May 2025 20:45	RC/JU	Ok
15	Q1982-08	BP024647.D	15 May 2025 21:25	RC/JU	Ok,M
16	Q1984-07	BP024648.D	15 May 2025 22:06	RC/JU	Ok
17	SSTDCCC040	BP024649.D	15 May 2025 23:28	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF050525

Review By	Rahul	Review On	5/6/2025 9:56:17 AM		
Supervise By	Jagrut	Supervise On	5/6/2025 10:53:56 AM		
SubDirectory	BF050525	HP Acquire Method	BNA_F	HP Processing Method	bf050525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12662,10ul/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	BF142294.D	05 May 2025 13:24		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF142295.D	05 May 2025 13:54		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF142296.D	05 May 2025 14:23	Compound#32-54-65-77-85 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF142297.D	05 May 2025 14:52		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF142298.D	05 May 2025 15:21		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF142299.D	05 May 2025 15:50	Compound#26-54-65-80-84-85 kept on LR & #32 kept on QR	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF142300.D	05 May 2025 16:18		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF142301.D	05 May 2025 16:47		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF142302.D	05 May 2025 17:15	Compound#9 removed from 80 ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBF050525	BF142303.D	05 May 2025 18:13		RC/JU	Ok,M
11	PB167836BL	PB167836BL	BF142304.D	05 May 2025 18:41	Analyzed for contamination check.	RC/JU	Not Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF051425

Review By	Rahul	Review On	5/15/2025 9:21:42 AM		
Supervise By	Jagrut	Supervise On	5/15/2025 3:45:47 PM		
SubDirectory	BF051425	HP Acquire Method	BNA_F	HP Processing Method	bf050525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12664,10ul/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	BF142359.D	14 May 2025 11:22		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142360.D	14 May 2025 12:19		RC/JU	Ok,M
3	PB167929BL	PB167929BL	BF142361.D	14 May 2025 12:51		RC/JU	Ok
4	PB167929BS	PB167929BS	BF142362.D	14 May 2025 13:20		RC/JU	Ok,M
5	Q2004-01	VNJ-220	BF142363.D	14 May 2025 13:54		RC/JU	Ok
6	Q1982-01	TP-1	BF142364.D	14 May 2025 14:23		RC/JU	Ok
7	Q1982-03	TP-3	BF142365.D	14 May 2025 14:51		RC/JU	Ok
8	Q1982-03MS	TP-3MS	BF142366.D	14 May 2025 15:20		RC/JU	Ok,M
9	Q1982-03MSD	TP-3MSD	BF142367.D	14 May 2025 15:48		RC/JU	Ok,M
10	Q2014-03	MOO-25-0145	BF142368.D	14 May 2025 16:17		RC/JU	Ok
11	Q2004-03	2811	BF142369.D	14 May 2025 16:46		RC/JU	Ok
12	Q2017-04	MH-I	BF142370.D	14 May 2025 17:15		RC/JU	Ok
13	Q2001-03	WC-A4-03-C	BF142371.D	14 May 2025 17:44		RC/JU	Ok
14	Q2001-03MS	WC-A4-03-CMS	BF142372.D	14 May 2025 18:12		RC/JU	Ok,M
15	Q2001-03MSD	WC-A4-03-CMSD	BF142373.D	14 May 2025 18:41		RC/JU	Ok,M
16	Q2001-07	WC-A1-05-C	BF142374.D	14 May 2025 19:10		RC/JU	Ok
17	Q2001-11	WC-A1-06-C	BF142375.D	14 May 2025 19:39		RC/JU	Ok
18	Q2001-15	WC-A1-07-C	BF142376.D	14 May 2025 20:08		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF051425

Review By	Rahul	Review On	5/15/2025 9:21:42 AM		
Supervise By	Jagrut	Supervise On	5/15/2025 3:45:47 PM		
SubDirectory	BF051425	HP Acquire Method	BNA_F	HP Processing Method	bf050525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12664,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2017-08	MH-J	BF142377.D	14 May 2025 20:37		RC/JU	Ok
20	Q1982-02	TP-2B	BF142378.D	14 May 2025 21:06		RC/JU	Ok
21	Q2004-09	SOIL-STOCK	BF142379.D	14 May 2025 21:35		RC/JU	Ok
22	Q2017-01	MH-I	BF142380.D	14 May 2025 22:03		RC/JU	Ok
23	Q2017-05	MH-J	BF142381.D	14 May 2025 22:32		RC/JU	Ok
24	Q2005-01	252806	BF142382.D	14 May 2025 23:00	Internal Standard Fail	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF051525

Review By	Rahul	Review On	5/16/2025 2:19:49 PM		
Supervise By	Jagrut	Supervise On	5/16/2025 5:48:19 PM		
SubDirectory	BF051525	HP Acquire Method	BNA_F	HP Processing Method	bf050525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12664,10ul/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	BF142383.D	15 May 2025 09:09		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142384.D	15 May 2025 10:08		RC/JU	Ok,M
3	PB167951BL	PB167951BL	BF142385.D	15 May 2025 10:37		RC/JU	Ok
4	PB167951BS	PB167951BS	BF142386.D	15 May 2025 11:06		RC/JU	Ok,M
5	Q1985-01	RW8-BW-20250507	BF142387.D	15 May 2025 11:49		RC/JU	Ok
6	Q1993-02MS	MW-3-20250508MS	BF142388.D	15 May 2025 12:18		RC/JU	Ok,M
7	Q1993-03MSD	MW-3-20250508MSD	BF142389.D	15 May 2025 12:47		RC/JU	Ok,M
8	Q1983-07	OR-636-COMP-02	BF142390.D	15 May 2025 13:24		RC/JU	Ok,M
9	SSTDCCC040	SSTDCCC040EC	BF142391.D	15 May 2025 13:58		RC/JU	Ok
10	DFTPP	DFTPP	BF142392.D	15 May 2025 14:27		RC/JU	Ok
11	SSTDCCC040	SSTDCCC040	BF142393.D	15 May 2025 15:41		RC/JU	Ok
12	PB167953BL	PB167953BL	BF142394.D	15 May 2025 16:10		RC/JU	Ok
13	Q2023-01	HEATER-PAD	BF142395.D	15 May 2025 16:43		RC/JU	Ok
14	Q2022-01	336	BF142396.D	15 May 2025 17:12		RC/JU	Ok
15	Q2010-03	TP-14	BF142397.D	15 May 2025 17:42		RC/JU	Ok
16	Q2010-04	TP-17	BF142398.D	15 May 2025 18:11		RC/JU	Ok
17	Q1982-06	TP-6	BF142399.D	15 May 2025 18:40		RC/JU	Ok
18	Q2022-04	COMP-2	BF142400.D	15 May 2025 19:09		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF051525

Review By	Rahul	Review On	5/16/2025 2:19:49 PM		
Supervise By	Jagrut	Supervise On	5/16/2025 5:48:19 PM		
SubDirectory	BF051525	HP Acquire Method	BNA_F	HP Processing Method	bf050525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12664,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2022-04MS	COMP-2MS	BF142401.D	15 May 2025 19:38		RC/JU	Ok,M
20	Q2022-04MSD	COMP-2MSD	BF142402.D	15 May 2025 20:07		RC/JU	Ok,M
21	Q2014-05	MOO-25-0148	BF142403.D	15 May 2025 20:36		RC/JU	Ok
22	Q2022-02	COMP-1	BF142404.D	15 May 2025 21:05		RC/JU	Ok,M
23	Q2019-01	MH-K	BF142405.D	15 May 2025 21:34		RC/JU	Ok
24	Q1982-07	TP-8	BF142406.D	15 May 2025 22:04		RC/JU	Ok
25	Q2038-01	72-11991	BF142407.D	15 May 2025 22:33	Need 5X Dilution	RC/JU	Dilution
26	Q1982-05	TP-5	BF142408.D	15 May 2025 23:01		RC/JU	Ok
27	Q2014-01	MOO-25-0134	BF142409.D	15 May 2025 23:31	Internal Standard Fail	RC/JU	Ok
28	Q2020-01	TP-A	BF142410.D	15 May 2025 23:59		RC/JU	Ok
29	Q2024-01	PL-02-051325	BF142411.D	16 May 2025 00:28		RC/JU	Ok,M
30	Q2010-01	TP-10	BF142412.D	16 May 2025 00:58		RC/JU	Ok,M
31	Q1982-04	TP-4	BF142413.D	16 May 2025 01:27		RC/JU	Ok,M
32	Q2039-01	TR-05-05142025	BF142414.D	16 May 2025 01:56		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF051625

Review By	Rahul	Review On	5/19/2025 1:42:48 PM		
Supervise By	Jagrut	Supervise On	5/19/2025 5:04:42 PM		
SubDirectory	BF051625	HP Acquire Method	BNA_F	HP Processing Method	bf050525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12664,10ul/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	BF142415.D	16 May 2025 09:16		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142416.D	16 May 2025 09:45		RC/JU	Ok,M
3	PB168000BL	PB168000BL	BF142417.D	16 May 2025 10:14		RC/JU	Ok
4	PB168000BS	PB168000BS	BF142418.D	16 May 2025 10:43		RC/JU	Ok,M
5	PB167953BS	PB167953BS	BF142419.D	16 May 2025 11:13		RC/JU	Ok,M
6	PB167970BL	PB167970BL	BF142420.D	16 May 2025 11:42		RC/JU	Ok
7	PB167970BS	PB167970BS	BF142421.D	16 May 2025 12:11		RC/JU	Ok,M
8	PB167943TB	PB167943TB	BF142422.D	16 May 2025 12:40		RC/JU	Ok
9	Q2048-01	L2-WC-1	BF142423.D	16 May 2025 13:19	Internal Standard Fail	RC/JU	ReRun
10	Q2048-13	L2-WC-4	BF142424.D	16 May 2025 13:48		RC/JU	Ok
11	Q2048-05	L2-WC-2	BF142425.D	16 May 2025 14:17		RC/JU	Ok
12	Q2048-09	L2-WC-3	BF142426.D	16 May 2025 14:46		RC/JU	Ok
13	Q2034-01	L3-WC-1	BF142427.D	16 May 2025 15:16		RC/JU	Ok
14	Q2034-01MS	L3-WC-1MS	BF142428.D	16 May 2025 15:46		RC/JU	Ok
15	Q2034-01MSD	L3-WC-1MSD	BF142429.D	16 May 2025 16:15		RC/JU	Ok
16	Q2038-01DL	72-11991DL	BF142430.D	16 May 2025 16:44		RC/JU	Ok,M
17	Q2034-05	L3-WC-2	BF142431.D	16 May 2025 17:14		RC/JU	Ok,M
18	Q2034-17	L3-WC-5	BF142432.D	16 May 2025 17:43		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF051625

Review By	Rahul	Review On	5/19/2025 1:42:48 PM		
Supervise By	Jagrut	Supervise On	5/19/2025 5:04:42 PM		
SubDirectory	BF051625	HP Acquire Method	BNA_F	HP Processing Method	bf050525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12664,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2034-21	L3-WC-6	BF142433.D	16 May 2025 18:13		RC/JU	Ok,M
20	Q2034-09	L3-WC-3	BF142434.D	16 May 2025 18:42		RC/JU	Ok,M
21	Q2034-13	L3-WC-4	BF142435.D	16 May 2025 19:11		RC/JU	Ok
22	Q2055-01	OR-02-051525	BF142436.D	16 May 2025 19:40		RC/JU	Ok,M
23	Q2047-01	SU-04-051425	BF142437.D	16 May 2025 20:09	Internal Standard Fail	RC/JU	ReRun
24	Q2043-01	281	BF142438.D	16 May 2025 20:38	Internal Standard Fail	RC/JU	Ok,M
25	Q2043-03	72-12000	BF142439.D	16 May 2025 21:08	Internal Standard Fail	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP051325

Review By	Rahul	Review On	5/14/2025 2:20:20 PM		
Supervise By	Jagrut	Supervise On	5/14/2025 5:16:42 PM		
SubDirectory	BP051325	HP Acquire Method	BNA_P	HP Processing Method	bp051325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12664,10ul/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	BP024613.D	13 May 2025 10:00		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP024614.D	13 May 2025 10:41		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP024615.D	13 May 2025 11:22	Compound#32-54-56-65-77 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP024616.D	13 May 2025 12:03		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP024617.D	13 May 2025 12:43		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP024618.D	13 May 2025 13:24	Compound#32-54-56 Kept on LR	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BP024619.D	13 May 2025 14:05		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BP024620.D	13 May 2025 14:45		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BP024621.D	13 May 2025 15:26		RC/JU	Ok,M
10	SSTDICV040	ICVBP051325	BP024622.D	13 May 2025 17:01		RC/JU	Ok,M
11	PB167917TB	PB167917TB	BP024623.D	13 May 2025 18:23		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP051525

Review By	Rahul	Review On	5/16/2025 2:18:41 PM		
Supervise By	Jagrut	Supervise On	5/16/2025 5:49:55 PM		
SubDirectory	BP051525	HP Acquire Method	BNA_P	HP Processing Method	BP051325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12664,10ul/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	BP024633.D	15 May 2025 11:44		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024634.D	15 May 2025 12:25		RC/JU	Ok
3	PB167973BL	PB167973BL	BP024635.D	15 May 2025 13:05		RC/JU	Ok
4	PB167973BS	PB167973BS	BP024636.D	15 May 2025 13:53		RC/JU	Ok,M
5	Q2010-02	TP-13	BP024637.D	15 May 2025 14:38		RC/JU	Ok
6	Q2010-02MS	TP-13MS	BP024638.D	15 May 2025 15:18		RC/JU	Ok
7	Q2010-02MSD	TP-13MSD	BP024639.D	15 May 2025 15:59		RC/JU	Ok,M
8	Q1984-01	OU4-PCS-TC-33-05072	BP024640.D	15 May 2025 16:40		RC/JU	Ok
9	Q1984-03	OU4-PCS-TC-34-05072	BP024641.D	15 May 2025 17:21	Surrogate Fail - RE EXTRACTION.	RC/JU	ReRun
10	Q1984-05	OU4-PCS-TC-35-05072	BP024642.D	15 May 2025 18:01		RC/JU	Ok
11	Q1984-09	OU4-TS-25-050725	BP024643.D	15 May 2025 18:42	Surrogate Fail - RE EXTRACTION.	RC/JU	ReRun
12	Q1984-11	OU4-TS-26-050725	BP024644.D	15 May 2025 19:23		RC/JU	Ok
13	Q1984-13	OU4-TS-27-050725	BP024645.D	15 May 2025 20:04	Surrogate Fail - RE EXTRACTION.	RC/JU	ReRun
14	Q1984-15	OU4-TS-28-050725	BP024646.D	15 May 2025 20:45		RC/JU	Ok
15	Q1982-08	TP-9	BP024647.D	15 May 2025 21:25		RC/JU	Ok,M
16	Q1984-07	OU4-TS-24-050725	BP024648.D	15 May 2025 22:06		RC/JU	Ok
17	SSTDCCC040	SSTDCCC040EC	BP024649.D	15 May 2025 23:28		RC/JU	Ok

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP051525

Review By	Rahul	Review On	5/16/2025 2:18:41 PM		
Supervise By	Jagrut	Supervise On	5/16/2025 5:49:55 PM		
SubDirectory	BP051525	HP Acquire Method	BNA_P	HP Processing Method	BP051325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12664,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167953

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	05/12/2025
Matrix :	Solid			**Extraction Start Time :**	09:38
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	05/12/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	13:10
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6782
Surrogate	1.0ML	100/150 PPM	SP6754
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2612
Baked Na2SO4	N/A	EP2611
Sand	N/A	EP2865
Methylene Chloride	N/A	E3930
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/12/25	RS (Ext-96)	RC/SVOC
13:15	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167953

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 05/12/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167953BL	SBLK953	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			U1-1
PB167953BS	SLCS953	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			2
Q1982-01	TP-1	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	E		3
Q1982-02	TP-2B	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		4
Q1982-03	TP-3	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	E		5
Q1982-03MS	TP-3MS	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		6
Q1982-03MSD	TP-3MSD	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		U2-1
Q1982-04	TP-4	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	E		2
Q1982-05	TP-5	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	E		3
Q1982-06	TP-6	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		4
Q1982-07	TP-8	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	E		5
Q2002-01	EO-02-05092025	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	E		6
Q2004-01	VNJ-220	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		U3-1
Q2004-03	2811	SVOC-TCL BNA -20	50.09	N/A	ritesh	Evelyn	1	E		2
Q2004-05	R0202	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		3
Q2004-07	205510	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	E		4
Q2004-09	SOIL-STOCK	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	E		5
Q2004-11	STONE-STOCK	SVOC-TCL BNA -20	50.01	N/A	ritesh	Evelyn	1	E		6
Q2007-01	OR-636-COMP-10	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		U6-1
Q2007-07	OR-636-COMP-11	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E		2
Q2007-13	OR-636-COMP-12	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	E		3
Q2007-19	OR-636-COMP-13	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	E		4
Q2007-25	OR-636-COMP-14	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		5
Q2007-31	OR-636-COMP-15	SVOC-TCL BNA -20	50.01	N/A	ritesh	Evelyn	1	E		6

RS 5/12

RS 5/12

* **Extracts relinquished on the same date as received.**

169937
11:38
Q1982

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2004 **WorkList ID :** 189442 **Department :** Extraction **Date :** 05-12-2025 09:11:49

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1982-01	TP-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/07/2025	8270E
Q1982-02	TP-2B	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/07/2025	8270E
Q1982-03	TP-3	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/07/2025	8270E
Q1982-04	TP-4	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/07/2025	8270E
Q1982-05	TP-5	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/07/2025	8270E
Q1982-06	TP-6	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/07/2025	8270E
Q1982-07	TP-8	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/07/2025	8270E
Q2002-01	EO-02-05092025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	L41	05/09/2025	8270E
Q2004-01	VNJ-220	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/09/2025	8270E
Q2004-03	2811	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/09/2025	8270E
Q2004-05	R0202	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/09/2025	8270E
Q2004-07	205510	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/09/2025	8270E
Q2004-09	SOIL-STOCK	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/09/2025	8270E
Q2004-11	STONE-STOCK	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/09/2025	8270E
Q2007-01	OR-636-COMP-10	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/09/2025	8270E
Q2007-07	OR-636-COMP-11	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/09/2025	8270E
Q2007-13	OR-636-COMP-12	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/09/2025	8270E
Q2007-19	OR-636-COMP-13	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/09/2025	8270E
Q2007-25	OR-636-COMP-14	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/09/2025	8270E
Q2007-31	OR-636-COMP-15	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/09/2025	8270E

RJ 5/16

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Date/Time 5/12/25 9:35
Raw Sample Received by: RJ (EXT-Lab)
Raw Sample Relinquished by:

Date/Time 5/12/25 10:15
Raw Sample Received by:
Raw Sample Relinquished by: RJ (EXT-Lab)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167973

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	05/13/2025
Matrix :	Solid			**Extraction Start Time :**	09:05
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	05/13/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:25
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6782
Surrogate	1.0ML	100/150 PPM	SP6754
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2612
Baked Na2SO4	N/A	EP2611
Sand	N/A	EP2865
Methylene Chloride	N/A	E3930
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. Q2014-05 used Limited volume as sample is small particles oily.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/13/25	RS (BGT-Lab)	RC/SVOC
12:30	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167973

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 05/13/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167973BL	SBLK973	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U6-1
PB167973BS	SLCS973	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q1982-08	TP-9	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	E		3
Q1984-01	OU4-PCS-TC-33-050725	SVOCMS Group3	30.03	N/A	ritesh	Evelyn	1	E		4
Q1984-03	OU4-PCS-TC-34-050725	SVOCMS Group3	30.04	N/A	ritesh	Evelyn	1	E		5
Q1984-05	OU4-PCS-TC-35-050725	SVOCMS Group3	30.05	N/A	ritesh	Evelyn	1	E		6
Q1984-07	OU4-TS-24-050725	SVOCMS Group3	30.01	N/A	ritesh	Evelyn	1	E		U1-1
Q1984-09	OU4-TS-25-050725	SVOCMS Group3	30.06	N/A	ritesh	Evelyn	1	E		2
Q1984-11	OU4-TS-26-050725	SVOCMS Group3	30.04	N/A	ritesh	Evelyn	1	E		3
Q1984-13	OU4-TS-27-050725	SVOCMS Group3	30.02	N/A	ritesh	Evelyn	1	E		4
Q1984-15	OU4-TS-28-050725	SVOCMS Group3	30.03	N/A	ritesh	Evelyn	1	E		5
Q2010-01	TP-10	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		6
Q2010-02	TP-13	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	E		U2-1
Q2010-02MS	TP-13MS	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		2
Q2010-02MSD	TP-13MSD	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	E		3
Q2010-03	TP-14	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		4
Q2010-04	TP-17	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		5
Q2014-01	MOO-25-0134	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E	Small Particles	6
Q2014-03	MOO-25-0145	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	E	Small Particles	U3-1
Q2014-05	MOO-25-0148	SVOC-TCL BNA -20	10.03	N/A	ritesh	Evelyn	2	E	Small Particles	2
Q2017-01	MH-I	SVOC-TCL BNA -20	50.01	N/A	ritesh	Evelyn	1	E		3
Q2017-05	MH-J	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	A		4

RJ 5/16

RJ 5/13

* **Extracts relinquished on the same date as received.**

Q2010 9:05

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2010BN **WorkList ID :** 189476 **Department :** Extraction **Date :** 05-13-2025 08:45:20

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1982-08	TP-9	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/07/2025	8270E
Q1984-01	OU4-PCS-TC-33-050725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L41	05/07/2025	8270E
Q1984-03	OU4-PCS-TC-34-050725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L41	05/07/2025	8270E
Q1984-05	OU4-PCS-TC-35-050725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L41	05/07/2025	8270E
Q1984-07	OU4-TS-24-050725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L41	05/07/2025	8270E
Q1984-09	OU4-TS-25-050725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L41	05/07/2025	8270E
Q1984-11	OU4-TS-26-050725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L41	05/07/2025	8270E
Q1984-13	OU4-TS-27-050725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L41	05/07/2025	8270E
Q1984-15	OU4-TS-28-050725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L41	05/07/2025	8270E
Q2010-01	TP-10	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L51	05/08/2025	8270E
Q2010-02	TP-13	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L51	05/08/2025	8270E
Q2010-03	TP-14	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L51	05/08/2025	8270E
Q2010-04	TP-17	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L51	05/08/2025	8270E
Q2014-01	MOO-25-0134	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/12/2025	8270E
Q2014-03	MOO-25-0145	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/12/2025	8270E
Q2014-05	MOO-25-0148	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/12/2025	8270E
Q2017-01	MH-I	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/12/2025	8270E
Q2017-05	MH-J	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/12/2025	8270E

RJ 5/16

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Date/Time 05/13/25 9:00
Raw Sample Received by: RJ (FEDEX-Lobby)
Raw Sample Relinquished by: CP SM

Date/Time 05/13/25 9:35
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RJ (FEDEX-Lobby)

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

LAB CHRONICLE

OrderID:	Q1982	**OrderDate:**	5/7/2025 3:20:42 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
Q1982-01	**TP-1**	**SOIL**			**05/06/25**			**05/07/25**
			SVOC-TCL BNA -20	8270E		05/12/25	05/14/25	
Q1982-02	**TP-2B**	**SOIL**			**05/06/25**			**05/07/25**
			SVOC-TCL BNA -20	8270E		05/12/25	05/14/25	
Q1982-03	**TP-3**	**SOIL**			**05/06/25**			**05/07/25**
			SVOC-TCL BNA -20	8270E		05/12/25	05/14/25	
Q1982-04	**TP-4**	**SOIL**			**05/07/25**			**05/07/25**
			SVOC-TCL BNA -20	8270E		05/12/25	05/16/25	
Q1982-05	**TP-5**	**SOIL**			**05/07/25**			**05/07/25**
			SVOC-TCL BNA -20	8270E		05/12/25	05/15/25	
Q1982-06	**TP-6**	**SOIL**			**05/07/25**			**05/07/25**
			SVOC-TCL BNA -20	8270E		05/12/25	05/15/25	
Q1982-07	**TP-8**	**SOIL**			**05/07/25**			**05/07/25**
			SVOC-TCL BNA -20	8270E		05/12/25	05/15/25	
Q1982-08	**TP-9**	**SOIL**			**05/07/25**			**05/07/25**
			SVOC-TCL BNA -20	8270E		05/13/25	05/15/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1982 **Order ID:** Q1982

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-8								
Q1982-07	TP-8	SOIL	alpha-Chlordane	2.20	P	0.14	2.00	ug/kg
Q1982-07	TP-8	SOIL	gamma-Chlordane	2.30		0.18	2.00	ug/kg
			Total Concentration:	**4.500**				
Client ID : TP-9								
Q1982-08	TP-9	SOIL	Dieldrin	0.77	JP	0.17	2.10	ug/kg
Q1982-08	TP-9	SOIL	alpha-Chlordane	1.70	JP	0.15	2.10	ug/kg
Q1982-08	TP-9	SOIL	gamma-Chlordane	2.00	J	0.18	2.10	ug/kg
			Total Concentration:	**4.470**				

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-1	SDG No.:	Q1982
Lab Sample ID:	Q1982-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	80.9 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
PD088501.D	1	05/12/25 09:05	05/13/25 10:22	PB167950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.16	U	0.16	2.10	ug/kg
319-85-7	beta-BHC	0.22	U	0.22	2.10	ug/kg
319-86-8	delta-BHC	0.48	U	0.48	2.10	ug/kg
58-89-9	gamma-BHC (Lindane)	0.17	U	0.17	2.10	ug/kg
76-44-8	Heptachlor	0.15	U	0.15	2.10	ug/kg
309-00-2	Aldrin	0.15	U	0.15	2.10	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	2.10	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.10	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.10	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.10	ug/kg
72-20-8	Endrin	0.17	U	0.17	2.10	ug/kg
33213-65-9	Endosulfan II	0.36	U	0.36	2.10	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	2.10	ug/kg
1031-07-8	Endosulfan Sulfate	0.16	U	0.16	2.10	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.10	ug/kg
72-43-5	Methoxychlor	0.46	U	0.46	2.10	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	2.10	ug/kg
7421-93-4	Endrin aldehyde	0.46	U	0.46	2.10	ug/kg
5103-71-9	alpha-Chlordane	0.15	U	0.15	2.10	ug/kg
5103-74-2	gamma-Chlordane	0.19	U	0.19	2.10	ug/kg
8001-35-2	Toxaphene	6.70	U	6.70	40.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.4		20 - 144	82%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.4		19 - 148	92%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-1	SDG No.:	Q1982
Lab Sample ID:	Q1982-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	80.9 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
PD088501.D	1	05/12/25 09:05	05/13/25 10:22	PB167950

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:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-2B	SDG No.:	Q1982
Lab Sample ID:	Q1982-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088502.D	1	05/12/25 09:05	05/13/25 10:35	PB167950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.46	U	0.46	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	2.00	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	2.00	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	2.00	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	2.00	ug/kg
72-20-8	Endrin	0.16	U	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	0.34	U	0.34	2.00	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	2.00	ug/kg
72-43-5	Methoxychlor	0.43	U	0.43	2.00	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.18	U	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.8		20 - 144	89%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.0		19 - 148	100%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-2B	SDG No.:	Q1982
Lab Sample ID:	Q1982-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088502.D	1	05/12/25 09:05	05/13/25 10:35	PB167950

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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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-3	SDG No.:	Q1982
Lab Sample ID:	Q1982-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.7 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
PD088489.D	1	05/12/25 09:05	05/12/25 20:44	PB167950

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	0.16	U	0.16	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.15	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	0.16	U	0.16	1.90	ug/kg
8001-35-2	Toxaphene	5.90	U	5.90	36.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.6		20 - 144	113%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.2		19 - 148	111%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-3	SDG No.:	Q1982
Lab Sample ID:	Q1982-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.7 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
PD088489.D	1	05/12/25 09:05	05/12/25 20:44	PB167950

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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-4	SDG No.:	Q1982
Lab Sample ID:	Q1982-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.4 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
PD088503.D	1	05/12/25 09:05	05/13/25 10:49	PB167950

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	37.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.7		20 - 144	58%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.0		19 - 148	70%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-4	SDG No.:	Q1982
Lab Sample ID:	Q1982-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.4 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
PD088503.D	1	05/12/25 09:05	05/13/25 10:49	PB167950

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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-5	SDG No.:	Q1982
Lab Sample ID:	Q1982-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	89.9 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
PD088504.D	1	05/12/25 09:05	05/13/25 11:02	PB167950

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)	0.16	U	0.16	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	0.16	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	0.32	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	0.16	U	0.16	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	36.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.8		20 - 144	74%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.8		19 - 148	114%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-5	SDG No.:	Q1982
Lab Sample ID:	Q1982-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	89.9 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
PD088504.D	1	05/12/25 09:05	05/13/25 11:02	PB167950

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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-6	SDG No.:	Q1982
Lab Sample ID:	Q1982-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.2 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088492.D	1	05/12/25 09:05	05/12/25 21:25	PB167950

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	17.6		20 - 144	88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.7		19 - 148	103%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-6	SDG No.:	Q1982
Lab Sample ID:	Q1982-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.2 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088492.D	1	05/12/25 09:05	05/12/25 21:25	PB167950

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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-8	SDG No.:	Q1982
Lab Sample ID:	Q1982-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088505.D	1	05/12/25 09:05	05/13/25 11:16	PB167950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.16	U	0.16	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.46	U	0.46	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.17	U	0.17	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	2.00	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.00	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.00	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.00	ug/kg
72-20-8	Endrin	0.17	U	0.17	2.00	ug/kg
33213-65-9	Endosulfan II	0.35	U	0.35	2.00	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.16	U	0.16	2.00	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.00	ug/kg
72-43-5	Methoxychlor	0.44	U	0.44	2.00	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.44	U	0.44	2.00	ug/kg
5103-71-9	alpha-Chlordane	2.20	P	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	2.30		0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.40	U	6.40	39.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.4		20 - 144	87%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.0		19 - 148	100%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-8	SDG No.:	Q1982
Lab Sample ID:	Q1982-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088505.D	1	05/12/25 09:05	05/13/25 11:16	PB167950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-9	SDG No.:	Q1982
Lab Sample ID:	Q1982-08	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	81.3 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088527.D	1	05/13/25 08:30	05/13/25 17:29	PB167959

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.16	U	0.16	2.10	ug/kg
319-85-7	beta-BHC	0.22	U	0.22	2.10	ug/kg
319-86-8	delta-BHC	0.48	U	0.48	2.10	ug/kg
58-89-9	gamma-BHC (Lindane)	0.17	U	0.17	2.10	ug/kg
76-44-8	Heptachlor	0.15	U	0.15	2.10	ug/kg
309-00-2	Aldrin	0.15	U	0.15	2.10	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	2.10	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.10	ug/kg
60-57-1	Dieldrin	0.77	JP	0.17	2.10	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.10	ug/kg
72-20-8	Endrin	0.17	U	0.17	2.10	ug/kg
33213-65-9	Endosulfan II	0.36	U	0.36	2.10	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.10	ug/kg
1031-07-8	Endosulfan Sulfate	0.16	U	0.16	2.10	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.10	ug/kg
72-43-5	Methoxychlor	0.45	U	0.45	2.10	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	2.10	ug/kg
7421-93-4	Endrin aldehyde	0.45	U	0.45	2.10	ug/kg
5103-71-9	alpha-Chlordane	1.70	JP	0.15	2.10	ug/kg
5103-74-2	gamma-Chlordane	2.00	J	0.18	2.10	ug/kg
8001-35-2	Toxaphene	6.60	U	6.60	40.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.0		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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-9	SDG No.:	Q1982
Lab Sample ID:	Q1982-08	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	81.3 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088527.D	1	05/13/25 08:30	05/13/25 17:29	PB167959

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

QC SUMMARY

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

SDG No.: Q1982

Client: CDM Smith

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PD088121.D	PIBLK-PD088121.D	Decachlorobiphenyl	1	20	22.9	115		43	140
		Tetrachloro-m-xylene	1	20	20.1	101		77	126
		Decachlorobiphenyl	2	20	22.7	113		43	140
		Tetrachloro-m-xylene	2	20	20.9	104		77	126
I.BLK-PD088462.D	PIBLK-PD088462.D	Decachlorobiphenyl	1	20	19.4	97		43	140
		Tetrachloro-m-xylene	1	20	17.6	88		77	126
		Decachlorobiphenyl	2	20	17.3	86		43	140
		Tetrachloro-m-xylene	2	20	16.8	84		77	126
PB167950BL	PB167950BL	Decachlorobiphenyl	1	20	21.1	106		20	144
		Tetrachloro-m-xylene	1	20	18.5	93		19	148
		Decachlorobiphenyl	2	20	18.9	95		20	144
		Tetrachloro-m-xylene	2	20	18.3	91		19	148
PB167950BS	PB167950BS	Decachlorobiphenyl	1	20	21.6	108		20	144
		Tetrachloro-m-xylene	1	20	18.8	94		19	148
		Decachlorobiphenyl	2	20	19.3	96		20	144
		Tetrachloro-m-xylene	2	20	19.1	96		19	148
I.BLK-PD088474.D	PIBLK-PD088474.D	Decachlorobiphenyl	1	20	19.2	96		43	140
		Tetrachloro-m-xylene	1	20	17.6	88		77	126
		Decachlorobiphenyl	2	20	16.8	84		43	140
		Tetrachloro-m-xylene	2	20	16.8	84		77	126
I.BLK-PD088482.D	PIBLK-PD088482.D	Decachlorobiphenyl	1	20	19.5	97		43	140
		Tetrachloro-m-xylene	1	20	17.6	88		77	126
		Decachlorobiphenyl	2	20	17.3	86		43	140
		Tetrachloro-m-xylene	2	20	16.6	83		77	126
Q1982-01MS	TP-1MS	Decachlorobiphenyl	1	20	20.2	101		20	144
		Tetrachloro-m-xylene	1	20	19.3	97		19	148
		Decachlorobiphenyl	2	20	17.4	87		20	144
		Tetrachloro-m-xylene	2	20	18.9	95		19	148
Q1982-01MSD	TP-1MSD	Decachlorobiphenyl	1	20	20.0	100		20	144
		Tetrachloro-m-xylene	1	20	19.5	97		19	148
		Decachlorobiphenyl	2	20	17.4	87		20	144
		Tetrachloro-m-xylene	2	20	19.1	96		19	148
Q1982-03	TP-3	Decachlorobiphenyl	1	20	22.6	113		20	144
		Tetrachloro-m-xylene	1	20	22.2	111		19	148
		Decachlorobiphenyl	2	20	19.7	98		20	144
		Tetrachloro-m-xylene	2	20	21.1	106		19	148
Q1982-06	TP-6	Decachlorobiphenyl	1	20	17.6	88		20	144
		Tetrachloro-m-xylene	1	20	20.7	103		19	148
		Decachlorobiphenyl	2	20	13.1	66		20	144
		Tetrachloro-m-xylene	2	20	19.9	99		19	148
I.BLK-PD088494.D	PIBLK-PD088494.D	Decachlorobiphenyl	1	20	18.3	92		43	140

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Surrogate Summary

SDG No.: Q1982

Client: CDM Smith

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PD088494.D	PIBLK-PD088494.D	Tetrachloro-m-xylene	1	20	18.0	90		77	126
		Decachlorobiphenyl	2	20	13.9	70		43	140
		Tetrachloro-m-xylene	2	20	17.3	87		77	126
I.BLK-PD088497.D	PIBLK-PD088497.D	Decachlorobiphenyl	1	20	19.7	99		43	140
		Tetrachloro-m-xylene	1	20	18.5	92		77	126
		Decachlorobiphenyl	2	20	17.4	87		43	140
		Tetrachloro-m-xylene	2	20	17.6	88		77	126
Q1982-01	TP-1	Decachlorobiphenyl	1	20	16.4	82		20	144
		Tetrachloro-m-xylene	1	20	18.4	92		19	148
		Decachlorobiphenyl	2	20	14.3	72		20	144
		Tetrachloro-m-xylene	2	20	17.5	88		19	148
Q1982-02	TP-2B	Decachlorobiphenyl	1	20	17.8	89		20	144
		Tetrachloro-m-xylene	1	20	20.0	100		19	148
		Decachlorobiphenyl	2	20	15.4	77		20	144
		Tetrachloro-m-xylene	2	20	18.8	94		19	148
Q1982-04	TP-4	Decachlorobiphenyl	1	20	11.7	58		20	144
		Tetrachloro-m-xylene	1	20	14.0	70		19	148
		Decachlorobiphenyl	2	20	9.23	46		20	144
		Tetrachloro-m-xylene	2	20	13.5	67		19	148
Q1982-05	TP-5	Decachlorobiphenyl	1	20	14.8	74		20	144
		Tetrachloro-m-xylene	1	20	22.8	114		19	148
		Decachlorobiphenyl	2	20	11.1	56		20	144
		Tetrachloro-m-xylene	2	20	19.1	95		19	148
Q1982-07	TP-8	Decachlorobiphenyl	1	20	17.4	87		20	144
		Tetrachloro-m-xylene	1	20	20.0	100		19	148
		Decachlorobiphenyl	2	20	13.1	66		20	144
		Tetrachloro-m-xylene	2	20	18.9	95		19	148
I.BLK-PD088514.D	PIBLK-PD088514.D	Decachlorobiphenyl	1	20	18.7	94		43	140
		Tetrachloro-m-xylene	1	20	18.1	90		77	126
		Decachlorobiphenyl	2	20	15.7	79		43	140
		Tetrachloro-m-xylene	2	20	16.9	85		77	126
I.BLK-PD088523.D	PIBLK-PD088523.D	Decachlorobiphenyl	1	20	19.3	97		43	140
		Tetrachloro-m-xylene	1	20	18.3	92		77	126
		Decachlorobiphenyl	2	20	17.4	87		43	140
		Tetrachloro-m-xylene	2	20	17.5	87		77	126
PB167959BL	PB167959BL	Decachlorobiphenyl	1	20	20.1	100		20	144
		Tetrachloro-m-xylene	1	20	19.3	97		19	148
		Decachlorobiphenyl	2	20	18.1	90		20	144
		Tetrachloro-m-xylene	2	20	19.1	96		19	148
PB167959BS	PB167959BS	Decachlorobiphenyl	1	20	22.7	114		20	144
		Tetrachloro-m-xylene	1	20	21.6	108		19	148

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Surrogate Summary

SDG No.: Q1982

Client: CDM Smith

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
PB167959BS	PB167959BS	Decachlorobiphenyl	2	20	20.6	103		20	144
		Tetrachloro-m-xylene	2	20	21.3	106		19	148
Q1982-08	TP-9	Decachlorobiphenyl	1	20	20.0	100		20	144
		Tetrachloro-m-xylene	1	20	20.2	101		19	148
		Decachlorobiphenyl	2	20	15.1	75		20	144
		Tetrachloro-m-xylene	2	20	18.9	95		19	148
I.BLK-PD088535.D	PIBLK-PD088535.D	Decachlorobiphenyl	1	20	18.0	90		43	140
		Tetrachloro-m-xylene	1	20	17.4	87		77	126
		Decachlorobiphenyl	2	20	14.8	74		43	140
		Tetrachloro-m-xylene	2	20	16.4	82		77	126
I.BLK-PD088551.D	PIBLK-PD088551.D	Decachlorobiphenyl	1	20	20.9	104		43	140
		Tetrachloro-m-xylene	1	20	20.3	101		77	126
		Decachlorobiphenyl	2	20	18.6	93		43	140
		Tetrachloro-m-xylene	2	20	19.1	95		77	126
Q1984-01MS	OU4-PCS-TC-33-050725MS	Decachlorobiphenyl	1	20	21.1	106		20	144
		Tetrachloro-m-xylene	1	20	21.0	105		19	148
		Decachlorobiphenyl	2	20	18.4	92		20	144
		Tetrachloro-m-xylene	2	20	20.5	103		19	148
Q1984-01MSD	OU4-PCS-TC-33-050725MSD	Decachlorobiphenyl	1	20	21.2	106		20	144
		Tetrachloro-m-xylene	1	20	21.4	107		19	148
		Decachlorobiphenyl	2	20	18.9	94		20	144
		Tetrachloro-m-xylene	2	20	20.9	105		19	148
I.BLK-PD088565.D	PIBLK-PD088565.D	Decachlorobiphenyl	1	20	15.2	76		43	140
		Tetrachloro-m-xylene	1	20	19.6	98		77	126
		Decachlorobiphenyl	2	20	15.5	77		43	140
		Tetrachloro-m-xylene	2	20	18.4	92		77	126

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1982 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PD088486.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-1MS**											
Q1982-01MS (Column 1)	alpha-BHC	20.58	0	21.2	ug/kg	103				60	144	
	beta-BHC	20.58	0	20.6	ug/kg	100				54	143	
	delta-BHC	20.58	0	22.8	ug/kg	111				29	151	
	gamma-BHC (Lindane)	20.58	0	21.2	ug/kg	103				61	140	
	Heptachlor	20.58	0	22.0	ug/kg	107				63	135	
	Aldrin	20.58	0	21.8	ug/kg	106				49	139	
	Heptachlor epoxide	20.58	0	21.8	ug/kg	106				41	156	
	Endosulfan I	20.58	0	21.8	ug/kg	106				56	142	
	Dieldrin	20.58	0	22.0	ug/kg	107				47	161	
	4,4'-DDE	20.58	0	21.3	ug/kg	103				55	136	
	Endrin	20.58	0	21.8	ug/kg	106				57	139	
	Endosulfan II	20.58	0	21.1	ug/kg	103				40	163	
	4,4'-DDD	20.58	0	22.1	ug/kg	107				47	163	
	Endosulfan sulfate	20.58	0	21.5	ug/kg	104				62	139	
	4,4'-DDT	20.58	0	22.4	ug/kg	109				51	146	
	Methoxychlor	20.58	0	21.4	ug/kg	104				54	136	
	Endrin ketone	20.58	0	21.6	ug/kg	105				60	129	
	Endrin aldehyde	20.58	0	21.3	ug/kg	103				59	132	
	alpha-Chlordane	20.58	0	21.6	ug/kg	105				39	166	
	gamma-Chlordane	20.58	0	21.3	ug/kg	103				44	175	
Client Sample ID:	**TP-1MS**											
Q1982-01MS (Column 2)	alpha-BHC	20.58	0	19.2	ug/kg	93				60	144	
	beta-BHC	20.58	0	18.8	ug/kg	91				54	143	
	delta-BHC	20.58	0	18.9	ug/kg	92				29	151	
	gamma-BHC (Lindane)	20.58	0	18.7	ug/kg	91				61	140	
	Heptachlor	20.58	0	18.7	ug/kg	91				63	135	
	Aldrin	20.58	0	19.3	ug/kg	94				49	139	
	Heptachlor epoxide	20.58	0	18.2	ug/kg	88				41	156	
	Endosulfan I	20.58	0	18.5	ug/kg	90				56	142	
	Dieldrin	20.58	0	18.4	ug/kg	89				47	161	
	4,4'-DDE	20.58	0	18.4	ug/kg	89				55	136	
	Endrin	20.58	0	18.7	ug/kg	91				57	139	
	Endosulfan II	20.58	0	18.7	ug/kg	91				40	163	
	4,4'-DDD	20.58	0	17.8	ug/kg	86				47	163	
	Endosulfan sulfate	20.58	0	18.6	ug/kg	90				62	139	
	4,4'-DDT	20.58	0	19.0	ug/kg	92				51	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1982 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PD088486.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Q1982-01MS (Column 2)	Methoxychlor	20.58	0	18.3	ug/kg	89				54	136	
	Endrin ketone	20.58	0	18.7	ug/kg	91				60	129	
	Endrin aldehyde	20.58	0	18.3	ug/kg	89				59	132	
	alpha-Chlordane	20.58	0	18.6	ug/kg	90				39	166	
	gamma-Chlordane	20.58	0	18.8	ug/kg	91				44	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1982 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PD088487.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-1MSD**											
Q1982-01MSD (Column 1)	alpha-BHC	20.57	0	21.4	ug/kg	104		1		60	144	20
	beta-BHC	20.57	0	20.8	ug/kg	101		1		54	143	20
	delta-BHC	20.57	0	22.8	ug/kg	111		0		29	151	20
	gamma-BHC (Lindane)	20.57	0	21.4	ug/kg	104		1		61	140	20
	Heptachlor	20.57	0	22.2	ug/kg	108		1		63	135	20
	Aldrin	20.57	0	22.0	ug/kg	107		1		49	139	20
	Heptachlor epoxide	20.57	0	21.9	ug/kg	106		0		41	156	20
	Endosulfan I	20.57	0	22.0	ug/kg	107		1		56	142	20
	Dieldrin	20.57	0	22.2	ug/kg	108		1		47	161	20
	4,4'-DDE	20.57	0	21.4	ug/kg	104		1		55	136	20
	Endrin	20.57	0	22.0	ug/kg	107		1		57	139	20
	Endosulfan II	20.57	0	21.2	ug/kg	103		0		40	163	20
	4,4'-DDD	20.57	0	22.1	ug/kg	107		0		47	163	20
	Endosulfan sulfate	20.57	0	21.5	ug/kg	105		1		62	139	20
	4,4'-DDT	20.57	0	22.4	ug/kg	109		0		51	146	20
	Methoxychlor	20.57	0	21.5	ug/kg	105		1		54	136	20
	Endrin ketone	20.57	0	21.7	ug/kg	105		0		60	129	20
	Endrin aldehyde	20.57	0	21.3	ug/kg	104		1		59	132	20
	alpha-Chlordane	20.57	0	21.8	ug/kg	106		1		39	166	20
	gamma-Chlordane	20.57	0	21.5	ug/kg	105		2		44	175	20
Client Sample ID:	**TP-1MSD**											
Q1982-01MSD (Column 2)	alpha-BHC	20.57	0	19.3	ug/kg	94		1		60	144	20
	beta-BHC	20.57	0	18.9	ug/kg	92		1		54	143	20
	delta-BHC	20.57	0	19.0	ug/kg	92		0		29	151	20
	gamma-BHC (Lindane)	20.57	0	18.8	ug/kg	91		0		61	140	20
	Heptachlor	20.57	0	18.9	ug/kg	92		1		63	135	20
	Aldrin	20.57	0	19.5	ug/kg	95		1		49	139	20
	Heptachlor epoxide	20.57	0	18.5	ug/kg	90		2		41	156	20
	Endosulfan I	20.57	0	18.7	ug/kg	91		1		56	142	20
	Dieldrin	20.57	0	18.5	ug/kg	90		1		47	161	20
	4,4'-DDE	20.57	0	18.6	ug/kg	90		1		55	136	20
	Endrin	20.57	0	18.8	ug/kg	91		0		57	139	20
	Endosulfan II	20.57	0	18.8	ug/kg	91		0		40	163	20
	4,4'-DDD	20.57	0	17.9	ug/kg	87		1		47	163	20
	Endosulfan sulfate	20.57	0	18.6	ug/kg	90		0		62	139	20
	4,4'-DDT	20.57	0	18.9	ug/kg	92		0		51	146	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1982 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PD088487.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Q1982-01MSD (Column 2)	Methoxychlor	20.57	0	18.3	ug/kg	89		0		54	136	20
	Endrin ketone	20.57	0	18.7	ug/kg	91		0		60	129	20
	Endrin aldehyde	20.57	0	18.3	ug/kg	89		0		59	132	20
	alpha-Chlordane	20.57	0	18.8	ug/kg	91		1		39	166	20
	gamma-Chlordane	20.57	0	19.0	ug/kg	92		1		44	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1982 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PD088559.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**OU4-PCS-TC-33-050725MS**											
Q1984-01MS (Column 1)	alpha-BHC	17.51	0	19.7	ug/kg	113				60	144	
	beta-BHC	17.51	0	19.4	ug/kg	111				54	143	
	delta-BHC	17.51	0	19.9	ug/kg	114				29	151	
	gamma-BHC (Lindane)	17.51	0	20.1	ug/kg	115				61	140	
	Heptachlor	17.51	0	20.4	ug/kg	117				63	135	
	Aldrin	17.51	0	20.0	ug/kg	114				49	139	
	Heptachlor epoxide	17.51	0	19.8	ug/kg	113				41	156	
	Endosulfan I	17.51	0	19.8	ug/kg	113				56	142	
	Dieldrin	17.51	0	20.0	ug/kg	114				47	161	
	4,4'-DDE	17.51	0	19.2	ug/kg	110				55	136	
	Endrin	17.51	0	19.6	ug/kg	112				57	139	
	Endosulfan II	17.51	0	19.0	ug/kg	109				40	163	
	4,4'-DDD	17.51	0	20.1	ug/kg	115				47	163	
	Endosulfan sulfate	17.51	0	19.2	ug/kg	110				62	139	
	4,4'-DDT	17.51	0	19.3	ug/kg	110				51	146	
	Methoxychlor	17.51	0	18.6	ug/kg	106				54	136	
	Endrin ketone	17.51	0	19.6	ug/kg	112				60	129	
	Endrin aldehyde	17.51	0	19.5	ug/kg	111				59	132	
	alpha-Chlordane	17.51	0	19.8	ug/kg	113				39	166	
	gamma-Chlordane	17.51	0	19.7	ug/kg	113				44	175	
Client Sample ID:	**OU4-PCS-TC-33-050725MS**											
Q1984-01MS (Column 2)	alpha-BHC	17.51	0	17.5	ug/kg	0				60	144	
	beta-BHC	17.51	0	17.4	ug/kg	0				54	143	
	delta-BHC	17.51	0	17.4	ug/kg	0				29	151	
	gamma-BHC (Lindane)	17.51	0	17.0	ug/kg	0				61	140	
	Heptachlor	17.51	0	17.6	ug/kg	0				63	135	
	Aldrin	17.51	0	17.2	ug/kg	0				49	139	
	Heptachlor epoxide	17.51	0	17.1	ug/kg	0				41	156	
	Endosulfan I	17.51	0	17.1	ug/kg	0				56	142	
	Dieldrin	17.51	0	17.1	ug/kg	0				47	161	
	4,4'-DDE	17.51	0	17.0	ug/kg	0				55	136	
	Endrin	17.51	0	17.2	ug/kg	0				57	139	
	Endosulfan II	17.51	0	16.9	ug/kg	0				40	163	
	4,4'-DDD	17.51	0	16.4	ug/kg	0				47	163	
	Endosulfan sulfate	17.51	0	16.4	ug/kg	0				62	139	
	4,4'-DDT	17.51	0	17.2	ug/kg	0				51	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1982 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PD088559.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Q1984-01MS (Column 2)	Methoxychlor	17.51	0	16.7	ug/kg	0				54	136	
	Endrin ketone	17.51	0	16.9	ug/kg	0				60	129	
	Endrin aldehyde	17.51	0	17.0	ug/kg	0				59	132	
	alpha-Chlordane	17.51	0	17.1	ug/kg	0				39	166	
	gamma-Chlordane	17.51	0	17.2	ug/kg	0				44	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1982 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PD088560.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**OU4-PCS-TC-33-050725MSD**											
Q1984-01MSD (Column 1)	alpha-BHC	17.5	0	19.9	ug/kg	114		1		60	144	20
	beta-BHC	17.5	0	19.5	ug/kg	111		0		54	143	20
	delta-BHC	17.5	0	20.0	ug/kg	114		0		29	151	20
	gamma-BHC (Lindane)	17.5	0	20.3	ug/kg	116		1		61	140	20
	Heptachlor	17.5	0	20.7	ug/kg	118		1		63	135	20
	Aldrin	17.5	0	20.4	ug/kg	117		3		49	139	20
	Heptachlor epoxide	17.5	0	19.8	ug/kg	113		0		41	156	20
	Endosulfan I	17.5	0	20.0	ug/kg	114		1		56	142	20
	Dieldrin	17.5	0	20.2	ug/kg	115		1		47	161	20
	4,4'-DDE	17.5	0	19.4	ug/kg	111		1		55	136	20
	Endrin	17.5	0	19.8	ug/kg	113		1		57	139	20
	Endosulfan II	17.5	0	19.2	ug/kg	110		1		40	163	20
	4,4'-DDD	17.5	0	20.3	ug/kg	116		1		47	163	20
	Endosulfan sulfate	17.5	0	19.4	ug/kg	111		1		62	139	20
	4,4'-DDT	17.5	0	19.4	ug/kg	111		1		51	146	20
	Methoxychlor	17.5	0	18.8	ug/kg	107		1		54	136	20
	Endrin ketone	17.5	0	19.7	ug/kg	113		1		60	129	20
	Endrin aldehyde	17.5	0	19.6	ug/kg	112		1		59	132	20
	alpha-Chlordane	17.5	0	19.9	ug/kg	114		1		39	166	20
	gamma-Chlordane	17.5	0	19.8	ug/kg	113		0		44	175	20
Client Sample ID:	**OU4-PCS-TC-33-050725MSD**											
Q1984-01MSD (Column 2)	alpha-BHC	17.5	0	17.8	ug/kg	0		2		60	144	20
	beta-BHC	17.5	0	17.8	ug/kg	0		3		54	143	20
	delta-BHC	17.5	0	17.6	ug/kg	0		2		29	151	20
	gamma-BHC (Lindane)	17.5	0	17.2	ug/kg	0		1		61	140	20
	Heptachlor	17.5	0	17.8	ug/kg	0		1		63	135	20
	Aldrin	17.5	0	17.5	ug/kg	0		2		49	139	20
	Heptachlor epoxide	17.5	0	17.3	ug/kg	0		1		41	156	20
	Endosulfan I	17.5	0	17.4	ug/kg	0		1		56	142	20
	Dieldrin	17.5	0	17.4	ug/kg	0		1		47	161	20
	4,4'-DDE	17.5	0	17.3	ug/kg	0		2		55	136	20
	Endrin	17.5	0	17.4	ug/kg	0		1		57	139	20
	Endosulfan II	17.5	0	16.8	ug/kg	0		1		40	163	20
	4,4'-DDD	17.5	0	16.7	ug/kg	0		1		47	163	20
	Endosulfan sulfate	17.5	0	16.9	ug/kg	0		3		62	139	20
	4,4'-DDT	17.5	0	17.1	ug/kg	0		0		51	146	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1982 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PD088560.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Q1984-01MSD (Column 2)	Methoxychlor	17.5	0	16.8	ug/kg	0		1		54	136	20
	Endrin ketone	17.5	0	17.2	ug/kg	0		1		60	129	20
	Endrin aldehyde	17.5	0	17.0	ug/kg	0		0		59	132	20
	alpha-Chlordane	17.5	0	17.3	ug/kg	0		1		39	166	20
	gamma-Chlordane	17.5	0	17.3	ug/kg	0		1		44	175	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1982 **Analytical Method:** 8081B

Client: CDM Smith **Datafile :** PD088466.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167950BS (Column 1)	alpha-BHC	16.65	16.3	ug/kg	98				84	123	
	beta-BHC	16.65	16.1	ug/kg	97				82	123	
	delta-BHC	16.65	16.8	ug/kg	101				83	126	
	gamma-BHC (Lindane)	16.65	16.2	ug/kg	97				83	125	
	Heptachlor	16.65	17.0	ug/kg	102				83	122	
	Aldrin	16.65	16.8	ug/kg	101				82	124	
	Heptachlor epoxide	16.65	16.8	ug/kg	101				83	120	
	Endosulfan I	16.65	17.1	ug/kg	103				81	124	
	Dieldrin	16.65	17.3	ug/kg	104				85	121	
	4,4'-DDE	16.65	16.8	ug/kg	101				81	123	
	Endrin	16.65	17.1	ug/kg	103				76	130	
	Endosulfan II	16.65	16.8	ug/kg	101				80	125	
	4,4'-DDD	16.65	17.1	ug/kg	103				80	131	
	Endosulfan sulfate	16.65	17.2	ug/kg	103				81	122	
	4,4'-DDT	16.65	17.4	ug/kg	105				70	129	
	Methoxychlor	16.65	17.0	ug/kg	102				60	119	
	Endrin ketone	16.65	17.3	ug/kg	104				77	132	
	Endrin aldehyde	16.65	16.9	ug/kg	102				79	124	
	alpha-Chlordane	16.65	16.9	ug/kg	102				84	120	
	gamma-Chlordane	16.65	16.9	ug/kg	102				83	122	
PB167950BS (Column 2)	alpha-BHC	16.65	15.1	ug/kg	91				84	123	
	beta-BHC	16.65	15.4	ug/kg	92				82	123	
	delta-BHC	16.65	15.3	ug/kg	92				83	126	
	gamma-BHC (Lindane)	16.65	15.0	ug/kg	90				83	125	
	Heptachlor	16.65	14.9	ug/kg	89				83	122	
	Aldrin	16.65	15.3	ug/kg	92				82	124	
	Heptachlor epoxide	16.65	15.2	ug/kg	91				83	120	
	Endosulfan I	16.65	15.3	ug/kg	92				81	124	
	Dieldrin	16.65	15.2	ug/kg	91				85	121	
	4,4'-DDE	16.65	15.2	ug/kg	91				81	123	
	Endrin	16.65	14.8	ug/kg	89				76	130	
	Endosulfan II	16.65	15.1	ug/kg	91				80	125	
	4,4'-DDD	16.65	15.2	ug/kg	91				80	131	
	Endosulfan sulfate	16.65	15.0	ug/kg	90				81	122	
	4,4'-DDT	16.65	15.3	ug/kg	92				70	129	
	Methoxychlor	16.65	14.3	ug/kg	86				60	119	
	Endrin ketone	16.65	15.1	ug/kg	91				77	132	
	Endrin aldehyde	16.65	14.9	ug/kg	89				79	124	
	alpha-Chlordane	16.65	15.2	ug/kg	91				84	120	
	gamma-Chlordane	16.65	15.2	ug/kg	91				83	122	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1982 **Analytical Method:** 8081B

Client: CDM Smith **Datafile :** PD088526.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167959BS (Column 1)	alpha-BHC	16.65	17.7	ug/kg	106				84	123	
	beta-BHC	16.65	17.3	ug/kg	104				82	123	
	delta-BHC	16.65	18.0	ug/kg	108				83	126	
	gamma-BHC (Lindane)	16.65	17.5	ug/kg	105				83	125	
	Heptachlor	16.65	18.0	ug/kg	108				83	122	
	Aldrin	16.65	18.1	ug/kg	109				82	124	
	Heptachlor epoxide	16.65	18.1	ug/kg	109				83	120	
	Endosulfan I	16.65	18.2	ug/kg	109				81	124	
	Dieldrin	16.65	18.3	ug/kg	110				85	121	
	4,4'-DDE	16.65	17.7	ug/kg	106				81	123	
	Endrin	16.65	17.4	ug/kg	105				76	130	
	Endosulfan II	16.65	17.6	ug/kg	106				80	125	
	4,4'-DDD	16.65	18.5	ug/kg	111				80	131	
	Endosulfan sulfate	16.65	17.9	ug/kg	108				81	122	
	4,4'-DDT	16.65	17.3	ug/kg	104				70	129	
	Methoxychlor	16.65	16.6	ug/kg	100				60	119	
	Endrin ketone	16.65	18.0	ug/kg	108				77	132	
	Endrin aldehyde	16.65	17.8	ug/kg	107				79	124	
	alpha-Chlordane	16.65	18.1	ug/kg	109				84	120	
	gamma-Chlordane	16.65	18.1	ug/kg	109				83	122	
PB167959BS (Column 2)	alpha-BHC	16.65	16.1	ug/kg	97				84	123	
	beta-BHC	16.65	16.0	ug/kg	96				82	123	
	delta-BHC	16.65	16.2	ug/kg	97				83	126	
	gamma-BHC (Lindane)	16.65	15.9	ug/kg	95				83	125	
	Heptachlor	16.65	15.8	ug/kg	95				83	122	
	Aldrin	16.65	16.2	ug/kg	97				82	124	
	Heptachlor epoxide	16.65	16.0	ug/kg	96				83	120	
	Endosulfan I	16.65	15.9	ug/kg	95				81	124	
	Dieldrin	16.65	16.0	ug/kg	96				85	121	
	4,4'-DDE	16.65	16.1	ug/kg	97				81	123	
	Endrin	16.65	15.4	ug/kg	92				76	130	
	Endosulfan II	16.65	15.8	ug/kg	95				80	125	
	4,4'-DDD	16.65	16.4	ug/kg	98				80	131	
	Endosulfan sulfate	16.65	15.7	ug/kg	94				81	122	
	4,4'-DDT	16.65	15.3	ug/kg	92				70	129	
	Methoxychlor	16.65	15.0	ug/kg	90				60	119	
	Endrin ketone	16.65	15.8	ug/kg	95				77	132	
	Endrin aldehyde	16.65	15.8	ug/kg	95				79	124	
	alpha-Chlordane	16.65	15.9	ug/kg	95				84	120	
	gamma-Chlordane	16.65	16.0	ug/kg	96				83	122	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167950BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

Lab Sample ID: PB167950BL Lab File ID: PD088465.D

Matrix: (soil/water) Solid Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 05/12/2025

Date Analyzed (1): 05/12/2025 Date Analyzed (2): 05/12/2025

Time Analyzed (1): 15:16 Time Analyzed (2): 15:16

Instrument ID (1): ECD_D Instrument ID (2): ECD_D

GC Column (1): ZB-MR1 ID: 0.32 (mm) GC Column (2): ZB-MR2 ID: 0.32 (mm)

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB167950BS	PB167950BS	PD088466.D	05/12/2025	05/12/2025
TP-1MS	Q1982-01MS	PD088486.D	05/12/2025	05/12/2025
TP-1MSD	Q1982-01MSD	PD088487.D	05/12/2025	05/12/2025
TP-3	Q1982-03	PD088489.D	05/12/2025	05/12/2025
TP-6	Q1982-06	PD088492.D	05/12/2025	05/12/2025
TP-1	Q1982-01	PD088501.D	05/13/2025	05/13/2025
TP-2B	Q1982-02	PD088502.D	05/13/2025	05/13/2025
TP-4	Q1982-04	PD088503.D	05/13/2025	05/13/2025
TP-5	Q1982-05	PD088504.D	05/13/2025	05/13/2025
TP-8	Q1982-07	PD088505.D	05/13/2025	05/13/2025

COMMENTS:

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167959BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

Lab Sample ID: PB167959BL Lab File ID: PD088525.D

Matrix: (soil/water) Solid Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 05/13/2025

Date Analyzed (1): 05/13/2025 Date Analyzed (2): 05/13/2025

Time Analyzed (1): 17:02 Time Analyzed (2): 17:02

Instrument ID (1): ECD_D Instrument ID (2): ECD_D

GC Column (1): ZB-MR1 ID: 0.32 (mm) GC Column (2): ZB-MR2 ID: 0.32 (mm)

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB167959BS	PB167959BS	PD088526.D	05/13/2025	05/13/2025
TP-9	Q1982-08	PD088527.D	05/13/2025	05/13/2025
OU4-PCS-TC-33-050725MS	Q1984-01MS	PD088559.D	05/15/2025	05/15/2025
OU4-PCS-TC-33-050725MSD	Q1984-01MSD	PD088560.D	05/15/2025	05/15/2025

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:	PB167950BL	SDG No.:	Q1982
Lab Sample ID:	PB167950BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088465.D	1	05/12/25 09:05	05/12/25 15:16	PB167950

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	21.1		20 - 144	106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.5		19 - 148	93%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB167950BL	SDG No.:	Q1982
Lab Sample ID:	PB167950BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088465.D	1	05/12/25 09:05	05/12/25 15:16	PB167950

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:	PB167959BL	SDG No.:	Q1982
Lab Sample ID:	PB167959BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088525.D	1	05/13/25 08:30	05/13/25 17:02	PB167959

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	20.1		20 - 144	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		19 - 148	97%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB167959BL	SDG No.:	Q1982
Lab Sample ID:	PB167959BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088525.D	1	05/13/25 08:30	05/13/25 17:02	PB167959

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:	04/18/25
Project:	South River WM Replacement	Date Received:	04/18/25
Client Sample ID:	PIBLK-PD088121.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088121.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
PD088121.D	1		04/18/25	PD041825

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	22.9		43 - 140	115%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.9		77 - 126	104%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	04/18/25
Project:	South River WM Replacement	Date Received:	04/18/25
Client Sample ID:	PIBLK-PD088121.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088121.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
PD088121.D	1		04/18/25	PD041825

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:	05/12/25
Project:	South River WM Replacement	Date Received:	05/12/25
Client Sample ID:	PIBLK-PD088462.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088462.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
PD088462.D	1		05/12/25	pd051225

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	19.4		43 - 140	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.6		77 - 126	88%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/12/25
Project:	South River WM Replacement	Date Received:	05/12/25
Client Sample ID:	PIBLK-PD088462.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088462.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
PD088462.D	1		05/12/25	pd051225

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:	05/12/25
Project:	South River WM Replacement	Date Received:	05/12/25
Client Sample ID:	PIBLK-PD088474.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088474.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
PD088474.D	1		05/12/25	pd051225

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	19.2		43 - 140	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.6		77 - 126	88%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/12/25
Project:	South River WM Replacement	Date Received:	05/12/25
Client Sample ID:	PIBLK-PD088474.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088474.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
PD088474.D	1		05/12/25	pd051225

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:	05/12/25
Project:	South River WM Replacement	Date Received:	05/12/25
Client Sample ID:	PIBLK-PD088482.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088482.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
PD088482.D	1		05/12/25	pd051225

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	19.5		43 - 140	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.6		77 - 126	88%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/12/25
Project:	South River WM Replacement	Date Received:	05/12/25
Client Sample ID:	PIBLK-PD088482.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088482.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
PD088482.D	1		05/12/25	pd051225

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:	05/12/25
Project:	South River WM Replacement	Date Received:	05/12/25
Client Sample ID:	PIBLK-PD088494.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088494.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
PD088494.D	1		05/12/25	pd051225

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	18.3		43 - 140	92%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.0		77 - 126	90%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/12/25
Project:	South River WM Replacement	Date Received:	05/12/25
Client Sample ID:	PIBLK-PD088494.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088494.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
PD088494.D	1		05/12/25	pd051225

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:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	PIBLK-PD088497.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088497.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
PD088497.D	1		05/13/25	PD051325

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	19.7		43 - 140	99%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.5		77 - 126	92%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	PIBLK-PD088497.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088497.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
PD088497.D	1		05/13/25	PD051325

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:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	PIBLK-PD088514.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088514.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
PD088514.D	1		05/13/25	pd051325

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	18.7		43 - 140	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.1		77 - 126	90%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	PIBLK-PD088514.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088514.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
PD088514.D	1		05/13/25	pd051325

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:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	PIBLK-PD088523.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088523.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
PD088523.D	1		05/13/25	pd051325

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	19.3		43 - 140	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.3		77 - 126	92%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	PIBLK-PD088523.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088523.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
PD088523.D	1		05/13/25	pd051325

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:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	PIBLK-PD088535.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088535.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
PD088535.D	1		05/13/25	pd051325

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	18.0		43 - 140	90%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.4		77 - 126	87%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	PIBLK-PD088535.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088535.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
PD088535.D	1		05/13/25	pd051325

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:	05/15/25
Project:	South River WM Replacement	Date Received:	05/15/25
Client Sample ID:	PIBLK-PD088551.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088551.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
PD088551.D	1		05/15/25	pd051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.9		43 - 140	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.3		77 - 126	101%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	South River WM Replacement	Date Received:	05/15/25
Client Sample ID:	PIBLK-PD088551.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088551.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
PD088551.D	1		05/15/25	pd051525

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:	05/15/25
Project:	South River WM Replacement	Date Received:	05/15/25
Client Sample ID:	PIBLK-PD088565.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088565.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
PD088565.D	1		05/15/25	pd051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.5		43 - 140	77%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.6		77 - 126	98%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	South River WM Replacement	Date Received:	05/15/25
Client Sample ID:	PIBLK-PD088565.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088565.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
PD088565.D	1		05/15/25	pd051525

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:	PB167950BS	SDG No.:	Q1982
Lab Sample ID:	PB167950BS	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
PD088466.D	1	05/12/25 09:05	05/12/25 15:30	PB167950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.3		0.13	1.70	ug/kg
319-85-7	beta-BHC	16.1		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)	16.2		0.14	1.70	ug/kg
76-44-8	Heptachlor	17.0		0.12	1.70	ug/kg
309-00-2	Aldrin	16.8		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	16.8		0.19	1.70	ug/kg
959-98-8	Endosulfan I	17.1		0.14	1.70	ug/kg
60-57-1	Dieldrin	17.3		0.14	1.70	ug/kg
72-55-9	4,4-DDE	16.8		0.14	1.70	ug/kg
72-20-8	Endrin	17.1		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	16.8		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	17.2		0.13	1.70	ug/kg
50-29-3	4,4-DDT	17.4		0.14	1.70	ug/kg
72-43-5	Methoxychlor	17.0		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	17.3		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	16.9		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	16.9		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	21.6		20 - 144	108%	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:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB167950BS	SDG No.:	Q1982
Lab Sample ID:	PB167950BS	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
PD088466.D	1	05/12/25 09:05	05/12/25 15:30	PB167950

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:	PB167959BS	SDG No.:	Q1982
Lab Sample ID:	PB167959BS	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
PD088526.D	1	05/13/25 08:30	05/13/25 17:15	PB167959

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.7		0.13	1.70	ug/kg
319-85-7	beta-BHC	17.3		0.18	1.70	ug/kg
319-86-8	delta-BHC	18.0		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	17.5		0.14	1.70	ug/kg
76-44-8	Heptachlor	18.0		0.12	1.70	ug/kg
309-00-2	Aldrin	18.1		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	18.1		0.19	1.70	ug/kg
959-98-8	Endosulfan I	18.2		0.14	1.70	ug/kg
60-57-1	Dieldrin	18.3		0.14	1.70	ug/kg
72-55-9	4,4-DDE	17.7		0.14	1.70	ug/kg
72-20-8	Endrin	17.4		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	17.6		0.29	1.70	ug/kg
72-54-8	4,4-DDD	18.5		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	17.9		0.13	1.70	ug/kg
50-29-3	4,4-DDT	17.3		0.14	1.70	ug/kg
72-43-5	Methoxychlor	16.6		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	18.0		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	17.8		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	18.1		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	18.1		0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.7		20 - 144	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		19 - 148	108%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB167959BS	SDG No.:	Q1982
Lab Sample ID:	PB167959BS	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
PD088526.D	1	05/13/25 08:30	05/13/25 17:15	PB167959

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-1MS	SDG No.:	Q1982
Lab Sample ID:	Q1982-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	80.9 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
PD088486.D	1	05/12/25 09:05	05/12/25 20:03	PB167950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	21.2		0.16	2.10	ug/kg
319-85-7	beta-BHC	20.6		0.22	2.10	ug/kg
319-86-8	delta-BHC	22.8		0.48	2.10	ug/kg
58-89-9	gamma-BHC (Lindane)	21.2		0.17	2.10	ug/kg
76-44-8	Heptachlor	22.0		0.15	2.10	ug/kg
309-00-2	Aldrin	21.8		0.15	2.10	ug/kg
1024-57-3	Heptachlor epoxide	21.8		0.23	2.10	ug/kg
959-98-8	Endosulfan I	21.8		0.17	2.10	ug/kg
60-57-1	Dieldrin	22.0		0.17	2.10	ug/kg
72-55-9	4,4-DDE	21.3		0.17	2.10	ug/kg
72-20-8	Endrin	21.8		0.17	2.10	ug/kg
33213-65-9	Endosulfan II	21.1		0.36	2.10	ug/kg
72-54-8	4,4-DDD	22.1		0.19	2.10	ug/kg
1031-07-8	Endosulfan Sulfate	21.5		0.16	2.10	ug/kg
50-29-3	4,4-DDT	22.4		0.17	2.10	ug/kg
72-43-5	Methoxychlor	21.4		0.46	2.10	ug/kg
53494-70-5	Endrin ketone	21.6		0.23	2.10	ug/kg
7421-93-4	Endrin aldehyde	21.3		0.46	2.10	ug/kg
5103-71-9	alpha-Chlordane	21.6		0.15	2.10	ug/kg
5103-74-2	gamma-Chlordane	21.3		0.19	2.10	ug/kg
8001-35-2	Toxaphene	6.70	U	6.70	40.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.2		20 - 144	101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		19 - 148	97%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-1MS	SDG No.:	Q1982
Lab Sample ID:	Q1982-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	80.9 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
PD088486.D	1	05/12/25 09:05	05/12/25 20:03	PB167950

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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-33-050725MS	SDG No.:	Q1982
Lab Sample ID:	Q1984-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	95.1 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
PD088559.D	1	05/13/25 08:30	05/15/25 12:52	PB167959

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	19.7		0.14	1.80	ug/kg
319-85-7	beta-BHC	19.4		0.19	1.80	ug/kg
319-86-8	delta-BHC	19.9		0.41	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	20.1		0.15	1.80	ug/kg
76-44-8	Heptachlor	20.4		0.13	1.80	ug/kg
309-00-2	Aldrin	20.0		0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	19.8		0.20	1.80	ug/kg
959-98-8	Endosulfan I	19.8		0.15	1.80	ug/kg
60-57-1	Dieldrin	20.0		0.15	1.80	ug/kg
72-55-9	4,4-DDE	19.2		0.15	1.80	ug/kg
72-20-8	Endrin	19.6		0.15	1.80	ug/kg
33213-65-9	Endosulfan II	19.0		0.30	1.80	ug/kg
72-54-8	4,4-DDD	20.1		0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	19.2		0.14	1.80	ug/kg
50-29-3	4,4-DDT	19.3		0.15	1.80	ug/kg
72-43-5	Methoxychlor	18.6		0.39	1.80	ug/kg
53494-70-5	Endrin ketone	19.6		0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	19.5		0.39	1.80	ug/kg
5103-71-9	alpha-Chlordane	19.8		0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	19.7		0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.70	U	5.70	34.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.1		20 - 144	106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.0		19 - 148	105%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-33-050725MS	SDG No.:	Q1982
Lab Sample ID:	Q1984-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	95.1 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
PD088559.D	1	05/13/25 08:30	05/15/25 12:52	PB167959

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:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-1MSD	SDG No.:	Q1982
Lab Sample ID:	Q1982-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	80.9 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
PD088487.D	1	05/12/25 09:05	05/12/25 20:16	PB167950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	21.4		0.16	2.10	ug/kg
319-85-7	beta-BHC	20.8		0.22	2.10	ug/kg
319-86-8	delta-BHC	22.8		0.48	2.10	ug/kg
58-89-9	gamma-BHC (Lindane)	21.4		0.17	2.10	ug/kg
76-44-8	Heptachlor	22.2		0.15	2.10	ug/kg
309-00-2	Aldrin	22.0		0.15	2.10	ug/kg
1024-57-3	Heptachlor epoxide	21.9		0.23	2.10	ug/kg
959-98-8	Endosulfan I	22.0		0.17	2.10	ug/kg
60-57-1	Dieldrin	22.2		0.17	2.10	ug/kg
72-55-9	4,4-DDE	21.4		0.17	2.10	ug/kg
72-20-8	Endrin	22.0		0.17	2.10	ug/kg
33213-65-9	Endosulfan II	21.2		0.36	2.10	ug/kg
72-54-8	4,4-DDD	22.1		0.19	2.10	ug/kg
1031-07-8	Endosulfan Sulfate	21.5		0.16	2.10	ug/kg
50-29-3	4,4-DDT	22.4		0.17	2.10	ug/kg
72-43-5	Methoxychlor	21.5		0.46	2.10	ug/kg
53494-70-5	Endrin ketone	21.7		0.23	2.10	ug/kg
7421-93-4	Endrin aldehyde	21.3		0.46	2.10	ug/kg
5103-71-9	alpha-Chlordane	21.8		0.15	2.10	ug/kg
5103-74-2	gamma-Chlordane	21.5		0.19	2.10	ug/kg
8001-35-2	Toxaphene	6.70	U	6.70	40.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.0		20 - 144	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.5		19 - 148	97%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-1MSD	SDG No.:	Q1982
Lab Sample ID:	Q1982-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	80.9 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
PD088487.D	1	05/12/25 09:05	05/12/25 20:16	PB167950

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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-33-050725MSD	SDG No.:	Q1982
Lab Sample ID:	Q1984-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	95.1 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088560.D	1	05/13/25 08:30	05/15/25 13:05	PB167959

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	19.9		0.14	1.80	ug/kg
319-85-7	beta-BHC	19.5		0.19	1.80	ug/kg
319-86-8	delta-BHC	20.0		0.41	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	20.3		0.15	1.80	ug/kg
76-44-8	Heptachlor	20.7		0.13	1.80	ug/kg
309-00-2	Aldrin	20.4		0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	19.8		0.20	1.80	ug/kg
959-98-8	Endosulfan I	20.0		0.15	1.80	ug/kg
60-57-1	Dieldrin	20.2		0.15	1.80	ug/kg
72-55-9	4,4-DDE	19.4		0.15	1.80	ug/kg
72-20-8	Endrin	19.8		0.15	1.80	ug/kg
33213-65-9	Endosulfan II	19.2		0.30	1.80	ug/kg
72-54-8	4,4-DDD	20.3		0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	19.4		0.14	1.80	ug/kg
50-29-3	4,4-DDT	19.4		0.15	1.80	ug/kg
72-43-5	Methoxychlor	18.8		0.39	1.80	ug/kg
53494-70-5	Endrin ketone	19.7		0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	19.6		0.39	1.80	ug/kg
5103-71-9	alpha-Chlordane	19.9		0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	19.8		0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.70	U	5.70	34.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.2		20 - 144	106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.4		19 - 148	107%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-33-050725MSD	SDG No.:	Q1982
Lab Sample ID:	Q1984-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	95.1 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088560.D	1	05/13/25 08:30	05/15/25 13:05	PB167959

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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Instrument ID: ECD_D **Calibration Date(s):** 04/18/2025 04/18/2025

Calibration Times: 13:56 14:51

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

LAB FILE ID: RT 100 = PD088124.D RT 075 = PD088125.D

RT 050 = PD088126.D RT 025 = PD088127.D RT 005 = PD088128.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
4,4'-DDE	6.20	6.20	6.20	6.20	6.20	6.20	6.10	6.30
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.27	5.27	5.27	5.27	5.27	5.27	5.17	5.37
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
alpha-Chlordane	6.03	6.03	6.03	6.03	6.03	6.03	5.93	6.13
beta-BHC	4.52	4.52	4.52	4.52	4.52	4.52	4.42	4.62
Decachlorobiphenyl	9.08	9.07	9.08	9.08	9.08	9.07	8.97	9.17
delta-BHC	4.77	4.77	4.77	4.77	4.76	4.76	4.66	4.86
Dieldrin	6.35	6.35	6.35	6.35	6.35	6.35	6.25	6.45
Endosulfan I	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Endosulfan II	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Endosulfan sulfate	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Endrin	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Endrin aldehyde	6.92	6.92	6.92	6.92	6.92	6.92	6.82	7.02
Endrin ketone	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.95	5.95	5.95	5.95	5.95	5.95	5.85	6.05
Heptachlor	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Heptachlor epoxide	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Methoxychlor	7.49	7.49	7.50	7.50	7.50	7.49	7.39	7.59
Tetrachloro-m-xylene	3.55	3.55	3.55	3.55	3.55	3.55	3.45	3.65

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Instrument ID: ECD_D **Calibration Date(s):** 04/18/2025 04/18/2025

Calibration Times: 13:56 14:51

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

LAB FILE ID: RT 100 = PD088124.D RT 075 = PD088125.D

RT 050 = PD088126.D RT 025 = PD088127.D RT 005 = PD088128.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.95	5.93	5.93	5.93	5.93	5.94	5.84	6.04
4,4'-DDE	5.40	5.38	5.38	5.38	5.38	5.38	5.28	5.48
4,4'-DDT	6.20	6.19	6.19	6.19	6.19	6.19	6.09	6.29
Aldrin	4.39	4.37	4.37	4.37	4.37	4.38	4.28	4.48
alpha-BHC	3.41	3.40	3.40	3.40	3.40	3.40	3.30	3.50
alpha-Chlordane	5.21	5.20	5.19	5.19	5.19	5.20	5.10	5.30
beta-BHC	4.05	4.03	4.03	4.03	4.03	4.03	3.93	4.13
Decachlorobiphenyl	8.09	8.08	8.08	8.08	8.08	8.08	7.98	8.18
delta-BHC	4.28	4.27	4.27	4.27	4.27	4.27	4.17	4.37
Dieldrin	5.53	5.52	5.52	5.52	5.52	5.52	5.42	5.62
Endosulfan I	5.27	5.25	5.25	5.25	5.25	5.25	5.15	5.35
Endosulfan II	6.10	6.08	6.08	6.09	6.08	6.09	5.99	6.19
Endosulfan sulfate	6.50	6.49	6.49	6.49	6.49	6.49	6.39	6.59
Endrin	5.81	5.79	5.79	5.79	5.79	5.80	5.70	5.90
Endrin aldehyde	6.28	6.26	6.26	6.26	6.26	6.27	6.17	6.37
Endrin ketone	7.01	7.00	7.00	7.00	7.00	7.00	6.90	7.10
gamma-BHC (Lindane)	3.75	3.73	3.73	3.73	3.73	3.74	3.64	3.84
gamma-Chlordane	5.15	5.13	5.13	5.13	5.13	5.13	5.03	5.23
Heptachlor	4.10	4.09	4.09	4.09	4.09	4.09	3.99	4.19
Heptachlor epoxide	4.89	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Methoxychlor	6.77	6.76	6.76	6.76	6.76	6.76	6.66	6.86
Tetrachloro-m-xylene	2.90	2.88	2.88	2.88	2.88	2.89	2.79	2.99

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Instrument ID: ECD_D

Calibration Date(s): 04/18/2025 04/18/2025

Calibration Times: 13:56 14:51

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

LAB FILE ID: **CF 100 =** PD088124.D **CF 075 =** PD088125.D

CF 050 = PD088126.D **CF 025 =** PD088127.D **CF 005 =** PD088128.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2657600000	2587000000	2495010000	2376000000	2459180000	2514960000	4
4,4'-DDE	3466910000	3527170000	3240150000	3071100000	3185920000	3298250000	6
4,4'-DDT	2923480000	2868140000	2755010000	2629860000	2711210000	2777540000	4
Aldrin	4191470000	4069870000	3911790000	3719150000	3855640000	3949580000	5
alpha-BHC	4782950000	4593760000	4340800000	3973660000	3868810000	4312000000	9
alpha-Chlordane	3710340000	3625070000	3529520000	3426410000	3756540000	3609580000	4
beta-BHC	1604490000	1589200000	1578990000	1584140000	1760080000	1623380000	5
Decachlorobiphenyl	3080820000	3141130000	3178140000	3290360000	3850090000	3308110000	9
delta-BHC	4445160000	4282700000	4075760000	3850890000	3970360000	4124970000	6
Dieldrin	3750160000	3656120000	3530390000	3371440000	3534380000	3568500000	4
Endosulfan I	3450340000	3397670000	3304040000	3218140000	3515550000	3377150000	3
Endosulfan II	3104130000	3060790000	3007520000	2974690000	3483940000	3126210000	7
Endosulfan sulfate	2896970000	2846150000	2807570000	2774020000	3054470000	2875840000	4
Endrin	3128180000	3077300000	2935450000	2806460000	2965440000	2982570000	4
Endrin aldehyde	2295010000	2267800000	2246870000	2234480000	2495770000	2307990000	5
Endrin ketone	3128590000	3073520000	3037500000	2978380000	3214900000	3086580000	3
gamma-BHC (Lindane)	4507210000	4365130000	4155030000	3887470000	4022700000	4187510000	6
gamma-Chlordane	3757550000	3698080000	3536270000	3403020000	3715340000	3622050000	4
Heptachlor	4264490000	4159110000	3978190000	3781390000	4011590000	4038950000	5
Heptachlor epoxide	3670910000	3598060000	3486330000	3389810000	3724620000	3573950000	4
Methoxychlor	1461300000	1466360000	1467850000	1483290000	1618930000	1499540000	4
Tetrachloro-m-xylene	1982340000	2006790000	1938680000	1923660000	2135510000	1997400000	4

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Instrument ID: ECD_D

Calibration Date(s): 04/18/2025 04/18/2025

Calibration Times: 13:56 14:51

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

LAB FILE ID: **CF 100 =** PD088124.D **CF 075 =** PD088125.D

CF 050 = PD088126.D **CF 025 =** PD088127.D **CF 005 =** PD088128.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	15154700000	15403900000	15792200000	16361000000	19219200000	16386200000	10
4,4'-DDE	18345500000	18580000000	18872600000	19581800000	23090100000	19694000000	10
4,4'-DDT	16431600000	16496500000	16745700000	17063800000	18344900000	17016500000	5
Aldrin	19439700000	19604700000	20000000000	20715500000	24254000000	20802800000	10
alpha-BHC	21913500000	21830800000	22090400000	22519000000	25954000000	22861500000	8
alpha-Chlordane	18192600000	18348900000	18755200000	19456000000	23261200000	19602800000	11
beta-BHC	8473900000	8575290000	8847480000	9292470000	11081500000	9254120000	12
Decachlorobiphenyl	16767000000	17098200000	17470300000	18387600000	22674800000	18479600000	13
delta-BHC	20178700000	20191000000	20473400000	21031900000	24432800000	21261600000	9
Dieldrin	18536800000	18713100000	19146400000	19886400000	23381600000	19932900000	10
Endosulfan I	16448300000	16734000000	17246700000	18063400000	21569900000	18012500000	12
Endosulfan II	16009800000	16237000000	16737800000	17531800000	21092000000	17521700000	12
Endosulfan sulfate	15629000000	15901000000	16419300000	17200300000	20516600000	17133200000	12
Endrin	16756200000	17001500000	17464500000	18215500000	21574100000	18202300000	11
Endrin aldehyde	12064300000	12278200000	12707200000	13348200000	16106900000	13301000000	12
Endrin ketone	16996600000	17264900000	17905300000	18780200000	22573200000	18704000000	12
gamma-BHC (Lindane)	20140800000	20226900000	20558100000	21137200000	25630400000	21538700000	11
gamma-Chlordane	18960000000	19062800000	19437200000	20086800000	23933100000	20296000000	10
Heptachlor	19826900000	20021500000	20522700000	21298800000	25320700000	21398100000	11
Heptachlor epoxide	17359900000	17576100000	18079700000	18879200000	22576700000	18894300000	11
Methoxychlor	8272330000	8467510000	8839240000	9290490000	10735700000	9121060000	11
Tetrachloro-m-xylene	13615300000	13685800000	14010800000	14551200000	17245000000	14621600000	10

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Instrument ID: ECD_D **Date(s) Analyzed:** 04/18/2025 04/18/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.24	6.14	6.34	23597900
		2	6.44	6.34	6.54	34064600
		3	7.15	7.05	7.25	65326300
		4	7.57	7.47	7.67	82045400
		5	7.93	7.83	8.03	47715200

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Instrument ID: ECD_D **Date(s) Analyzed:** 04/18/2025 04/18/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.48	5.38	5.58	130682000
		2	5.65	5.55	5.75	89513500
		3	6.76	6.66	6.86	417352000
		4	7.20	7.10	7.30	302911000
		5	7.33	7.23	7.43	207761000

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/12/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 13:42 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.08	9.08	8.98	9.18	0.00
Tetrachloro-m-xylene	3.56	3.55	3.45	3.65	-0.01
alpha-BHC	4.01	4.00	3.90	4.10	-0.01
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.94	4.93	4.83	5.03	-0.01
Aldrin	5.28	5.27	5.17	5.37	-0.01
Heptachlor epoxide	5.70	5.69	5.59	5.79	-0.01
Endosulfan I	6.08	6.08	5.98	6.18	0.00
Dieldrin	6.36	6.35	6.25	6.45	-0.01
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.15	7.05	7.25	-0.01
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.63	7.53	7.73	-0.01
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.04	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/12/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 13:42 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.40	3.30	3.50	0.01
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.27	4.17	4.37	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.09	3.99	4.19	0.01
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.88	4.78	4.98	0.01
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.01
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.49	6.39	6.59	0.01
4,4'-DDT	6.19	6.19	6.09	6.29	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	6.99	7.00	6.90	7.10	0.01
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088464.D **Time Analyzed:** 13:42

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.713	6.606	6.806	51.220	50.000	2.4
4,4'-DDE	6.204	6.097	6.297	50.250	50.000	0.5
4,4'-DDT	7.029	6.922	7.122	51.370	50.000	2.7
Aldrin	5.280	5.173	5.373	50.870	50.000	1.7
alpha-BHC	4.007	3.901	4.101	50.980	50.000	2.0
alpha-Chlordane	6.035	5.929	6.129	51.070	50.000	2.1
beta-BHC	4.523	4.416	4.616	49.630	50.000	-0.7
Decachlorobiphenyl	9.082	8.975	9.175	48.460	50.000	-3.1
delta-BHC	4.772	4.665	4.865	50.220	50.000	0.4
Dieldrin	6.355	6.249	6.449	51.520	50.000	3.0
Endosulfan I	6.083	5.976	6.176	51.000	50.000	2.0
Endosulfan II	6.794	6.687	6.887	49.630	50.000	-0.7
Endosulfan sulfate	7.157	7.050	7.250	50.840	50.000	1.7
Endrin	6.582	6.476	6.676	50.670	50.000	1.3
Endrin aldehyde	6.922	6.816	7.016	49.550	50.000	-0.9
Endrin ketone	7.637	7.531	7.731	50.860	50.000	1.7
gamma-BHC (Lindane)	4.338	4.232	4.432	49.850	50.000	-0.3
gamma-Chlordane	5.954	5.847	6.047	51.220	50.000	2.4
Heptachlor	4.938	4.831	5.031	51.810	50.000	3.6
Heptachlor epoxide	5.699	5.592	5.792	50.870	50.000	1.7
Methoxychlor	7.501	7.395	7.595	50.660	50.000	1.3
Tetrachloro-m-xylene	3.558	3.452	3.652	48.550	50.000	-2.9

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088464.D **Time Analyzed:** 13:42

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.932	5.834	6.034	43.530	50.000	-12.9
4,4'-DDE	5.377	5.280	5.480	44.480	50.000	-11.0
4,4'-DDT	6.186	6.088	6.288	44.750	50.000	-10.5
Aldrin	4.370	4.273	4.473	44.510	50.000	-11.0
alpha-BHC	3.394	3.296	3.496	44.150	50.000	-11.7
alpha-Chlordane	5.192	5.094	5.294	44.190	50.000	-11.6
beta-BHC	4.026	3.928	4.128	44.270	50.000	-11.5
Decachlorobiphenyl	8.075	7.977	8.177	42.270	50.000	-15.5
delta-BHC	4.263	4.165	4.365	44.220	50.000	-11.6
Dieldrin	5.515	5.417	5.617	43.880	50.000	-12.2
Endosulfan I	5.249	5.151	5.351	43.800	50.000	-12.4
Endosulfan II	6.083	5.984	6.184	43.930	50.000	-12.1
Endosulfan sulfate	6.484	6.386	6.586	43.640	50.000	-12.7
Endrin	5.791	5.693	5.893	42.740	50.000	-14.5
Endrin aldehyde	6.261	6.163	6.363	42.610	50.000	-14.8
Endrin ketone	6.994	6.895	7.095	43.520	50.000	-13.0
gamma-BHC (Lindane)	3.730	3.633	3.833	43.630	50.000	-12.7
gamma-Chlordane	5.128	5.030	5.230	44.250	50.000	-11.5
Heptachlor	4.084	3.986	4.186	42.940	50.000	-14.1
Heptachlor epoxide	4.874	4.777	4.977	44.120	50.000	-11.8
Methoxychlor	6.757	6.659	6.859	40.810	50.000	-18.4
Tetrachloro-m-xylene	2.881	2.783	2.983	43.390	50.000	-13.2

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/12/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 17:32 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.08	8.98	9.18	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.76	4.77	4.67	4.87	0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.50	7.40	7.60	0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/12/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 17:32 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.40	3.40	3.30	3.50	0.01
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.27	4.17	4.37	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.09	4.09	3.99	4.19	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.88	4.88	4.78	4.98	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.01
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.49	6.39	6.59	0.01
4,4'-DDT	6.19	6.19	6.09	6.29	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	6.99	7.00	6.90	7.10	0.01
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088475.D **Time Analyzed:** 17:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.705	6.606	6.806	51.540	50.000	3.1
4,4'-DDE	6.196	6.097	6.297	50.920	50.000	1.8
4,4'-DDT	7.021	6.922	7.122	51.670	50.000	3.3
Aldrin	5.272	5.173	5.373	52.260	50.000	4.5
alpha-BHC	4.000	3.901	4.101	51.650	50.000	3.3
alpha-Chlordane	6.028	5.929	6.129	52.350	50.000	4.7
beta-BHC	4.516	4.416	4.616	51.010	50.000	2.0
Decachlorobiphenyl	9.073	8.975	9.175	48.050	50.000	-3.9
delta-BHC	4.764	4.665	4.865	51.550	50.000	3.1
Dieldrin	6.347	6.249	6.449	52.270	50.000	4.5
Endosulfan I	6.075	5.976	6.176	52.110	50.000	4.2
Endosulfan II	6.786	6.687	6.887	50.230	50.000	0.5
Endosulfan sulfate	7.150	7.050	7.250	51.110	50.000	2.2
Endrin	6.575	6.476	6.676	50.990	50.000	2.0
Endrin aldehyde	6.915	6.816	7.016	49.870	50.000	-0.3
Endrin ketone	7.630	7.531	7.731	51.250	50.000	2.5
gamma-BHC (Lindane)	4.331	4.232	4.432	51.150	50.000	2.3
gamma-Chlordane	5.946	5.847	6.047	52.840	50.000	5.7
Heptachlor	4.930	4.831	5.031	52.960	50.000	5.9
Heptachlor epoxide	5.692	5.592	5.792	51.650	50.000	3.3
Methoxychlor	7.494	7.395	7.595	50.650	50.000	1.3
Tetrachloro-m-xylene	3.551	3.452	3.652	49.440	50.000	-1.1

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088475.D **Time Analyzed:** 17:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.932	5.834	6.034	44.970	50.000	-10.1
4,4'-DDE	5.377	5.280	5.480	45.840	50.000	-8.3
4,4'-DDT	6.186	6.088	6.288	45.760	50.000	-8.5
Aldrin	4.371	4.273	4.473	46.200	50.000	-7.6
alpha-BHC	3.395	3.296	3.496	45.490	50.000	-9.0
alpha-Chlordane	5.193	5.094	5.294	45.100	50.000	-9.8
beta-BHC	4.027	3.928	4.128	45.860	50.000	-8.3
Decachlorobiphenyl	8.075	7.977	8.177	41.060	50.000	-17.9
delta-BHC	4.264	4.165	4.365	45.690	50.000	-8.6
Dieldrin	5.515	5.417	5.617	45.230	50.000	-9.5
Endosulfan I	5.249	5.151	5.351	44.100	50.000	-11.8
Endosulfan II	6.083	5.984	6.184	44.610	50.000	-10.8
Endosulfan sulfate	6.484	6.386	6.586	43.910	50.000	-12.2
Endrin	5.791	5.693	5.893	44.180	50.000	-11.6
Endrin aldehyde	6.260	6.163	6.363	43.450	50.000	-13.1
Endrin ketone	6.994	6.895	7.095	43.780	50.000	-12.4
gamma-BHC (Lindane)	3.732	3.633	3.833	45.060	50.000	-9.9
gamma-Chlordane	5.128	5.030	5.230	45.140	50.000	-9.7
Heptachlor	4.085	3.986	4.186	45.340	50.000	-9.3
Heptachlor epoxide	4.875	4.777	4.977	45.290	50.000	-9.4
Methoxychlor	6.757	6.659	6.859	43.610	50.000	-12.8
Tetrachloro-m-xylene	2.882	2.783	2.983	44.840	50.000	-10.3

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/12/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 19:35 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.08	8.98	9.18	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.76	4.77	4.67	4.87	0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.50	7.40	7.60	0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/12/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 19:35 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.40	3.40	3.30	3.50	0.01
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.27	4.17	4.37	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.09	4.09	3.99	4.19	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.88	4.88	4.78	4.98	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.01
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.49	6.39	6.59	0.01
4,4'-DDT	6.19	6.19	6.09	6.29	0.01
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	6.99	7.00	6.90	7.10	0.01
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 05/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088484.D **Time Analyzed:** 19:35

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.705	6.606	6.806	52.060	50.000	4.1
4,4'-DDE	6.196	6.097	6.297	50.920	50.000	1.8
4,4'-DDT	7.021	6.922	7.122	51.630	50.000	3.3
Aldrin	5.272	5.173	5.373	52.200	50.000	4.4
alpha-BHC	4.000	3.901	4.101	51.480	50.000	3.0
alpha-Chlordane	6.028	5.929	6.129	52.580	50.000	5.2
beta-BHC	4.516	4.416	4.616	50.890	50.000	1.8
Decachlorobiphenyl	9.073	8.975	9.175	48.550	50.000	-2.9
delta-BHC	4.764	4.665	4.865	51.480	50.000	3.0
Dieldrin	6.348	6.249	6.449	52.570	50.000	5.1
Endosulfan I	6.075	5.976	6.176	52.310	50.000	4.6
Endosulfan II	6.786	6.687	6.887	50.510	50.000	1.0
Endosulfan sulfate	7.149	7.050	7.250	51.510	50.000	3.0
Endrin	6.575	6.476	6.676	50.660	50.000	1.3
Endrin aldehyde	6.915	6.816	7.016	50.390	50.000	0.8
Endrin ketone	7.630	7.531	7.731	51.460	50.000	2.9
gamma-BHC (Lindane)	4.331	4.232	4.432	51.000	50.000	2.0
gamma-Chlordane	5.946	5.847	6.047	53.040	50.000	6.1
Heptachlor	4.931	4.831	5.031	52.610	50.000	5.2
Heptachlor epoxide	5.692	5.592	5.792	51.820	50.000	3.6
Methoxychlor	7.493	7.395	7.595	50.480	50.000	1.0
Tetrachloro-m-xylene	3.551	3.452	3.652	49.460	50.000	-1.1

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 05/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088484.D **Time Analyzed:** 19:35

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.931	5.834	6.034	45.140	50.000	-9.7
4,4'-DDE	5.377	5.280	5.480	45.770	50.000	-8.5
4,4'-DDT	6.185	6.088	6.288	45.360	50.000	-9.3
Aldrin	4.371	4.273	4.473	45.780	50.000	-8.4
alpha-BHC	3.395	3.296	3.496	45.270	50.000	-9.5
alpha-Chlordane	5.192	5.094	5.294	44.840	50.000	-10.3
beta-BHC	4.027	3.928	4.128	45.380	50.000	-9.2
Decachlorobiphenyl	8.074	7.977	8.177	41.590	50.000	-16.8
delta-BHC	4.264	4.165	4.365	45.350	50.000	-9.3
Dieldrin	5.515	5.417	5.617	45.110	50.000	-9.8
Endosulfan I	5.249	5.151	5.351	43.900	50.000	-12.2
Endosulfan II	6.082	5.984	6.184	44.400	50.000	-11.2
Endosulfan sulfate	6.483	6.386	6.586	44.010	50.000	-12.0
Endrin	5.791	5.693	5.893	44.040	50.000	-11.9
Endrin aldehyde	6.260	6.163	6.363	43.430	50.000	-13.1
Endrin ketone	6.993	6.895	7.095	44.410	50.000	-11.2
gamma-BHC (Lindane)	3.732	3.633	3.833	44.790	50.000	-10.4
gamma-Chlordane	5.127	5.030	5.230	45.010	50.000	-10.0
Heptachlor	4.085	3.986	4.186	45.020	50.000	-10.0
Heptachlor epoxide	4.875	4.777	4.977	45.110	50.000	-9.8
Methoxychlor	6.756	6.659	6.859	43.950	50.000	-12.1
Tetrachloro-m-xylene	2.883	2.783	2.983	44.650	50.000	-10.7

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 02:17 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.08	8.98	9.18	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.08	5.98	6.18	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.50	7.40	7.60	0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 02:17 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.40	3.40	3.30	3.50	0.01
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.27	4.17	4.37	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.09	4.09	3.99	4.19	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.88	4.88	4.78	4.98	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.01
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.49	6.39	6.59	0.01
4,4'-DDT	6.19	6.19	6.09	6.29	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	6.99	7.00	6.90	7.10	0.01
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL04 **Date Analyzed:** 05/13/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088495.D **Time Analyzed:** 02:17

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.706	6.606	6.806	53.680	50.000	7.4
4,4'-DDE	6.197	6.097	6.297	51.500	50.000	3.0
4,4'-DDT	7.022	6.922	7.122	52.040	50.000	4.1
Aldrin	5.273	5.173	5.373	54.330	50.000	8.7
alpha-BHC	4.001	3.901	4.101	53.850	50.000	7.7
alpha-Chlordane	6.029	5.929	6.129	54.070	50.000	8.1
beta-BHC	4.517	4.416	4.616	52.920	50.000	5.8
Decachlorobiphenyl	9.074	8.975	9.175	47.810	50.000	-4.4
delta-BHC	4.765	4.665	4.865	53.340	50.000	6.7
Dieldrin	6.349	6.249	6.449	53.650	50.000	7.3
Endosulfan I	6.076	5.976	6.176	53.640	50.000	7.3
Endosulfan II	6.787	6.687	6.887	51.580	50.000	3.2
Endosulfan sulfate	7.151	7.050	7.250	51.810	50.000	3.6
Endrin	6.576	6.476	6.676	52.100	50.000	4.2
Endrin aldehyde	6.916	6.816	7.016	49.710	50.000	-0.6
Endrin ketone	7.632	7.531	7.731	51.460	50.000	2.9
gamma-BHC (Lindane)	4.332	4.232	4.432	53.200	50.000	6.4
gamma-Chlordane	5.948	5.847	6.047	54.370	50.000	8.7
Heptachlor	4.932	4.831	5.031	54.940	50.000	9.9
Heptachlor epoxide	5.692	5.592	5.792	54.170	50.000	8.3
Methoxychlor	7.494	7.395	7.595	50.720	50.000	1.4
Tetrachloro-m-xylene	3.552	3.452	3.652	51.360	50.000	2.7

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL04 **Date Analyzed:** 05/13/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088495.D **Time Analyzed:** 02:17

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.932	5.834	6.034	46.760	50.000	-6.5
4,4'-DDE	5.376	5.280	5.480	47.000	50.000	-6.0
4,4'-DDT	6.186	6.088	6.288	46.120	50.000	-7.8
Aldrin	4.370	4.273	4.473	47.650	50.000	-4.7
alpha-BHC	3.395	3.296	3.496	47.610	50.000	-4.8
alpha-Chlordane	5.193	5.094	5.294	46.780	50.000	-6.4
beta-BHC	4.027	3.928	4.128	47.270	50.000	-5.5
Decachlorobiphenyl	8.075	7.977	8.177	41.040	50.000	-17.9
delta-BHC	4.264	4.165	4.365	47.760	50.000	-4.5
Dieldrin	5.515	5.417	5.617	46.920	50.000	-6.2
Endosulfan I	5.249	5.151	5.351	42.220	50.000	-15.6
Endosulfan II	6.083	5.984	6.184	46.210	50.000	-7.6
Endosulfan sulfate	6.484	6.386	6.586	45.230	50.000	-9.5
Endrin	5.791	5.693	5.893	46.260	50.000	-7.5
Endrin aldehyde	6.261	6.163	6.363	43.860	50.000	-12.3
Endrin ketone	6.994	6.895	7.095	44.320	50.000	-11.4
gamma-BHC (Lindane)	3.732	3.633	3.833	46.970	50.000	-6.1
gamma-Chlordane	5.128	5.030	5.230	46.970	50.000	-6.1
Heptachlor	4.085	3.986	4.186	47.270	50.000	-5.5
Heptachlor epoxide	4.875	4.777	4.977	47.200	50.000	-5.6
Methoxychlor	6.757	6.659	6.859	44.620	50.000	-10.8
Tetrachloro-m-xylene	2.883	2.783	2.983	46.920	50.000	-6.2

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 09:55 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.08	8.98	9.18	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.50	7.40	7.60	0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 09:55 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.40	3.40	3.30	3.50	0.01
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.27	4.17	4.37	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.09	4.09	3.99	4.19	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.88	4.88	4.78	4.98	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.01
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.49	6.49	6.39	6.59	0.00
4,4'-DDT	6.19	6.19	6.09	6.29	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	6.99	7.00	6.90	7.10	0.01
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL05 **Date Analyzed:** 05/13/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088499.D **Time Analyzed:** 09:55

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.706	6.606	6.806	55.230	50.000	10.5
4,4'-DDE	6.197	6.097	6.297	52.340	50.000	4.7
4,4'-DDT	7.023	6.922	7.122	53.040	50.000	6.1
Aldrin	5.273	5.173	5.373	54.770	50.000	9.5
alpha-BHC	4.001	3.901	4.101	54.670	50.000	9.3
alpha-Chlordane	6.028	5.929	6.129	54.970	50.000	9.9
beta-BHC	4.516	4.416	4.616	53.370	50.000	6.7
Decachlorobiphenyl	9.074	8.975	9.175	48.950	50.000	-2.1
delta-BHC	4.765	4.665	4.865	54.030	50.000	8.1
Dieldrin	6.349	6.249	6.449	54.680	50.000	9.4
Endosulfan I	6.075	5.976	6.176	54.560	50.000	9.1
Endosulfan II	6.787	6.687	6.887	52.760	50.000	5.5
Endosulfan sulfate	7.151	7.050	7.250	52.790	50.000	5.6
Endrin	6.576	6.476	6.676	53.150	50.000	6.3
Endrin aldehyde	6.917	6.816	7.016	50.890	50.000	1.8
Endrin ketone	7.632	7.531	7.731	52.520	50.000	5.0
gamma-BHC (Lindane)	4.332	4.232	4.432	53.830	50.000	7.7
gamma-Chlordane	5.948	5.847	6.047	55.410	50.000	10.8
Heptachlor	4.931	4.831	5.031	55.670	50.000	11.3
Heptachlor epoxide	5.692	5.592	5.792	54.860	50.000	9.7
Methoxychlor	7.494	7.395	7.595	51.790	50.000	3.6
Tetrachloro-m-xylene	3.552	3.452	3.652	51.960	50.000	3.9

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL05 **Date Analyzed:** 05/13/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088499.D **Time Analyzed:** 09:55

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.932	5.834	6.034	47.100	50.000	-5.8
4,4'-DDE	5.376	5.280	5.480	47.200	50.000	-5.6
4,4'-DDT	6.186	6.088	6.288	46.910	50.000	-6.2
Aldrin	4.369	4.273	4.473	47.620	50.000	-4.8
alpha-BHC	3.395	3.296	3.496	47.880	50.000	-4.2
alpha-Chlordane	5.192	5.094	5.294	47.010	50.000	-6.0
beta-BHC	4.027	3.928	4.128	47.190	50.000	-5.6
Decachlorobiphenyl	8.075	7.977	8.177	42.160	50.000	-15.7
delta-BHC	4.263	4.165	4.365	47.870	50.000	-4.3
Dieldrin	5.515	5.417	5.617	47.160	50.000	-5.7
Endosulfan I	5.248	5.151	5.351	41.720	50.000	-16.6
Endosulfan II	6.083	5.984	6.184	46.750	50.000	-6.5
Endosulfan sulfate	6.485	6.386	6.586	45.680	50.000	-8.6
Endrin	5.791	5.693	5.893	46.530	50.000	-6.9
Endrin aldehyde	6.261	6.163	6.363	44.600	50.000	-10.8
Endrin ketone	6.994	6.895	7.095	45.040	50.000	-9.9
gamma-BHC (Lindane)	3.731	3.633	3.833	47.220	50.000	-5.6
gamma-Chlordane	5.128	5.030	5.230	47.240	50.000	-5.5
Heptachlor	4.085	3.986	4.186	47.280	50.000	-5.4
Heptachlor epoxide	4.875	4.777	4.977	47.370	50.000	-5.3
Methoxychlor	6.757	6.659	6.859	45.070	50.000	-9.9
Tetrachloro-m-xylene	2.882	2.783	2.983	47.090	50.000	-5.8

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 14:22 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.08	9.08	8.98	9.18	0.00
Tetrachloro-m-xylene	3.56	3.55	3.45	3.65	-0.01
alpha-BHC	4.01	4.00	3.90	4.10	-0.01
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.94	4.93	4.83	5.03	-0.01
Aldrin	5.28	5.27	5.17	5.37	-0.01
Heptachlor epoxide	5.70	5.69	5.59	5.79	-0.01
Endosulfan I	6.08	6.08	5.98	6.18	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.15	7.05	7.25	-0.01
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.63	7.53	7.73	-0.01
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.04	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 14:22 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.40	3.40	3.30	3.50	0.01
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.27	4.27	4.17	4.37	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.09	4.09	3.99	4.19	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.88	4.88	4.78	4.98	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.00
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.49	6.49	6.39	6.59	0.00
4,4'-DDT	6.19	6.19	6.09	6.29	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	7.00	7.00	6.90	7.10	0.01
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL06 **Date Analyzed:** 05/13/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088515.D **Time Analyzed:** 14:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.712	6.606	6.806	57.230	50.000	14.5
4,4'-DDE	6.203	6.097	6.297	52.410	50.000	4.8
4,4'-DDT	7.028	6.922	7.122	52.550	50.000	5.1
Aldrin	5.279	5.173	5.373	55.590	50.000	11.2
alpha-BHC	4.007	3.901	4.101	55.650	50.000	11.3
alpha-Chlordane	6.035	5.929	6.129	56.450	50.000	12.9
beta-BHC	4.523	4.416	4.616	54.330	50.000	8.7
Decachlorobiphenyl	9.080	8.975	9.175	48.470	50.000	-3.1
delta-BHC	4.771	4.665	4.865	56.620	50.000	13.2
Dieldrin	6.354	6.249	6.449	54.840	50.000	9.7
Endosulfan I	6.082	5.976	6.176	55.440	50.000	10.9
Endosulfan II	6.793	6.687	6.887	53.040	50.000	6.1
Endosulfan sulfate	7.156	7.050	7.250	53.000	50.000	6.0
Endrin	6.582	6.476	6.676	53.290	50.000	6.6
Endrin aldehyde	6.922	6.816	7.016	51.380	50.000	2.8
Endrin ketone	7.637	7.531	7.731	52.450	50.000	4.9
gamma-BHC (Lindane)	4.338	4.232	4.432	55.030	50.000	10.1
gamma-Chlordane	5.952	5.847	6.047	54.280	50.000	8.6
Heptachlor	4.937	4.831	5.031	55.970	50.000	11.9
Heptachlor epoxide	5.698	5.592	5.792	54.730	50.000	9.5
Methoxychlor	7.500	7.395	7.595	51.030	50.000	2.1
Tetrachloro-m-xylene	3.558	3.452	3.652	52.540	50.000	5.1

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL06 **Date Analyzed:** 05/13/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088515.D **Time Analyzed:** 14:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.933	5.834	6.034	47.380	50.000	-5.2
4,4'-DDE	5.377	5.280	5.480	47.480	50.000	-5.0
4,4'-DDT	6.188	6.088	6.288	46.650	50.000	-6.7
Aldrin	4.370	4.273	4.473	48.250	50.000	-3.5
alpha-BHC	3.395	3.296	3.496	48.460	50.000	-3.1
alpha-Chlordane	5.194	5.094	5.294	47.400	50.000	-5.2
beta-BHC	4.028	3.928	4.128	48.190	50.000	-3.6
Decachlorobiphenyl	8.076	7.977	8.177	41.330	50.000	-17.3
delta-BHC	4.265	4.165	4.365	48.660	50.000	-2.7
Dieldrin	5.516	5.417	5.617	47.580	50.000	-4.8
Endosulfan I	5.249	5.151	5.351	41.650	50.000	-16.7
Endosulfan II	6.084	5.984	6.184	46.980	50.000	-6.0
Endosulfan sulfate	6.486	6.386	6.586	45.710	50.000	-8.6
Endrin	5.792	5.693	5.893	47.220	50.000	-5.6
Endrin aldehyde	6.262	6.163	6.363	44.930	50.000	-10.1
Endrin ketone	6.995	6.895	7.095	45.010	50.000	-10.0
gamma-BHC (Lindane)	3.732	3.633	3.833	47.870	50.000	-4.3
gamma-Chlordane	5.129	5.030	5.230	47.660	50.000	-4.7
Heptachlor	4.086	3.986	4.186	47.490	50.000	-5.0
Heptachlor epoxide	4.876	4.777	4.977	47.790	50.000	-4.4
Methoxychlor	6.758	6.659	6.859	45.030	50.000	-9.9
Tetrachloro-m-xylene	2.882	2.783	2.983	47.460	50.000	-5.1

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 16:48 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.08	8.98	9.18	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.08	5.98	6.18	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.50	7.40	7.60	0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 16:48 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.40	3.40	3.30	3.50	0.01
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.27	4.17	4.37	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.09	4.09	3.99	4.19	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.88	4.78	4.98	0.01
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.01
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.49	6.39	6.59	0.01
4,4'-DDT	6.19	6.19	6.09	6.29	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	6.99	7.00	6.90	7.10	0.01
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL07 **Date Analyzed:** 05/13/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088524.D **Time Analyzed:** 16:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.706	6.606	6.806	56.820	50.000	13.6
4,4'-DDE	6.197	6.097	6.297	53.840	50.000	7.7
4,4'-DDT	7.022	6.922	7.122	53.660	50.000	7.3
Aldrin	5.273	5.173	5.373	56.720	50.000	13.4
alpha-BHC	4.001	3.901	4.101	56.520	50.000	13.0
alpha-Chlordane	6.028	5.929	6.129	57.810	50.000	15.6
beta-BHC	4.517	4.416	4.616	55.090	50.000	10.2
Decachlorobiphenyl	9.074	8.975	9.175	49.430	50.000	-1.1
delta-BHC	4.765	4.665	4.865	55.970	50.000	11.9
Dieldrin	6.348	6.249	6.449	56.300	50.000	12.6
Endosulfan I	6.076	5.976	6.176	56.860	50.000	13.7
Endosulfan II	6.787	6.687	6.887	54.150	50.000	8.3
Endosulfan sulfate	7.150	7.050	7.250	54.210	50.000	8.4
Endrin	6.576	6.476	6.676	54.730	50.000	9.5
Endrin aldehyde	6.916	6.816	7.016	52.890	50.000	5.8
Endrin ketone	7.631	7.531	7.731	54.050	50.000	8.1
gamma-BHC (Lindane)	4.332	4.232	4.432	55.700	50.000	11.4
gamma-Chlordane	5.946	5.847	6.047	55.640	50.000	11.3
Heptachlor	4.931	4.831	5.031	56.770	50.000	13.5
Heptachlor epoxide	5.692	5.592	5.792	56.460	50.000	12.9
Methoxychlor	7.494	7.395	7.595	52.400	50.000	4.8
Tetrachloro-m-xylene	3.552	3.452	3.652	53.640	50.000	7.3

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL07 **Date Analyzed:** 05/13/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088524.D **Time Analyzed:** 16:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.932	5.834	6.034	49.430	50.000	-1.1
4,4'-DDE	5.376	5.280	5.480	48.950	50.000	-2.1
4,4'-DDT	6.186	6.088	6.288	48.560	50.000	-2.9
Aldrin	4.369	4.273	4.473	49.770	50.000	-0.5
alpha-BHC	3.395	3.296	3.496	49.860	50.000	-0.3
alpha-Chlordane	5.192	5.094	5.294	48.800	50.000	-2.4
beta-BHC	4.027	3.928	4.128	49.070	50.000	-1.9
Decachlorobiphenyl	8.074	7.977	8.177	43.990	50.000	-12.0
delta-BHC	4.264	4.165	4.365	50.030	50.000	0.1
Dieldrin	5.515	5.417	5.617	49.090	50.000	-1.8
Endosulfan I	5.248	5.151	5.351	42.440	50.000	-15.1
Endosulfan II	6.082	5.984	6.184	48.880	50.000	-2.2
Endosulfan sulfate	6.484	6.386	6.586	47.580	50.000	-4.8
Endrin	5.792	5.693	5.893	48.940	50.000	-2.1
Endrin aldehyde	6.261	6.163	6.363	46.940	50.000	-6.1
Endrin ketone	6.993	6.895	7.095	47.120	50.000	-5.8
gamma-BHC (Lindane)	3.731	3.633	3.833	49.140	50.000	-1.7
gamma-Chlordane	5.128	5.030	5.230	49.070	50.000	-1.9
Heptachlor	4.085	3.986	4.186	49.080	50.000	-1.8
Heptachlor epoxide	4.874	4.777	4.977	49.180	50.000	-1.6
Methoxychlor	6.757	6.659	6.859	47.040	50.000	-5.9
Tetrachloro-m-xylene	2.882	2.783	2.983	48.860	50.000	-2.3

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 19:46 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.08	8.98	9.18	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.50	7.40	7.60	0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 19:46 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.40	3.40	3.30	3.50	0.01
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.27	4.17	4.37	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.09	4.09	3.99	4.19	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.88	4.78	4.98	0.01
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.01
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.49	6.39	6.59	0.01
4,4'-DDT	6.19	6.19	6.09	6.29	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	6.99	7.00	6.90	7.10	0.01
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL08 **Date Analyzed:** 05/13/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088537.D **Time Analyzed:** 19:46

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.705	6.606	6.806	55.770	50.000	11.5
4,4'-DDE	6.196	6.097	6.297	52.660	50.000	5.3
4,4'-DDT	7.021	6.922	7.122	52.310	50.000	4.6
Aldrin	5.273	5.173	5.373	56.150	50.000	12.3
alpha-BHC	4.001	3.901	4.101	56.370	50.000	12.7
alpha-Chlordane	6.028	5.929	6.129	57.060	50.000	14.1
beta-BHC	4.516	4.416	4.616	54.700	50.000	9.4
Decachlorobiphenyl	9.072	8.975	9.175	48.530	50.000	-2.9
delta-BHC	4.765	4.665	4.865	55.790	50.000	11.6
Dieldrin	6.348	6.249	6.449	55.340	50.000	10.7
Endosulfan I	6.075	5.976	6.176	56.160	50.000	12.3
Endosulfan II	6.786	6.687	6.887	53.180	50.000	6.4
Endosulfan sulfate	7.150	7.050	7.250	53.210	50.000	6.4
Endrin	6.575	6.476	6.676	53.640	50.000	7.3
Endrin aldehyde	6.915	6.816	7.016	52.180	50.000	4.4
Endrin ketone	7.630	7.531	7.731	52.880	50.000	5.8
gamma-BHC (Lindane)	4.331	4.232	4.432	55.450	50.000	10.9
gamma-Chlordane	5.945	5.847	6.047	54.760	50.000	9.5
Heptachlor	4.931	4.831	5.031	56.180	50.000	12.4
Heptachlor epoxide	5.691	5.592	5.792	55.000	50.000	10.0
Methoxychlor	7.493	7.395	7.595	50.660	50.000	1.3
Tetrachloro-m-xylene	3.551	3.452	3.652	53.660	50.000	7.3

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL08 **Date Analyzed:** 05/13/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088537.D **Time Analyzed:** 19:46

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.932	5.834	6.034	47.580	50.000	-4.8
4,4'-DDE	5.375	5.280	5.480	47.480	50.000	-5.0
4,4'-DDT	6.186	6.088	6.288	46.850	50.000	-6.3
Aldrin	4.369	4.273	4.473	48.520	50.000	-3.0
alpha-BHC	3.395	3.296	3.496	48.820	50.000	-2.4
alpha-Chlordane	5.192	5.094	5.294	47.350	50.000	-5.3
beta-BHC	4.027	3.928	4.128	47.720	50.000	-4.6
Decachlorobiphenyl	8.074	7.977	8.177	40.950	50.000	-18.1
delta-BHC	4.263	4.165	4.365	48.730	50.000	-2.5
Dieldrin	5.515	5.417	5.617	47.510	50.000	-5.0
Endosulfan I	5.248	5.151	5.351	40.920	50.000	-18.2
Endosulfan II	6.082	5.984	6.184	47.150	50.000	-5.7
Endosulfan sulfate	6.484	6.386	6.586	45.830	50.000	-8.3
Endrin	5.791	5.693	5.893	47.710	50.000	-4.6
Endrin aldehyde	6.260	6.163	6.363	45.360	50.000	-9.3
Endrin ketone	6.993	6.895	7.095	45.410	50.000	-9.2
gamma-BHC (Lindane)	3.731	3.633	3.833	48.050	50.000	-3.9
gamma-Chlordane	5.128	5.030	5.230	47.690	50.000	-4.6
Heptachlor	4.085	3.986	4.186	48.050	50.000	-3.9
Heptachlor epoxide	4.874	4.777	4.977	47.860	50.000	-4.3
Methoxychlor	6.756	6.659	6.859	45.410	50.000	-9.2
Tetrachloro-m-xylene	2.882	2.783	2.983	48.160	50.000	-3.7

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/15/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 09:32 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.08	9.08	8.98	9.18	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.08	5.98	6.18	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/15/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 09:32 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.40	3.40	3.30	3.50	0.01
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.27	4.17	4.37	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.09	4.09	3.99	4.19	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.88	4.88	4.78	4.98	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.01
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.49	6.49	6.39	6.59	0.00
4,4'-DDT	6.19	6.19	6.09	6.29	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	6.99	7.00	6.90	7.10	0.01
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL09 **Date Analyzed:** 05/15/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088553.D **Time Analyzed:** 09:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.708	6.606	6.806	56.100	50.000	12.2
4,4'-DDE	6.198	6.097	6.297	53.970	50.000	7.9
4,4'-DDT	7.023	6.922	7.122	53.870	50.000	7.7
Aldrin	5.274	5.173	5.373	56.550	50.000	13.1
alpha-BHC	4.001	3.901	4.101	56.800	50.000	13.6
alpha-Chlordane	6.030	5.929	6.129	56.180	50.000	12.4
beta-BHC	4.517	4.416	4.616	55.040	50.000	10.1
Decachlorobiphenyl	9.077	8.975	9.175	49.760	50.000	-0.5
delta-BHC	4.766	4.665	4.865	55.930	50.000	11.9
Dieldrin	6.350	6.249	6.449	56.050	50.000	12.1
Endosulfan I	6.077	5.976	6.176	55.920	50.000	11.8
Endosulfan II	6.788	6.687	6.887	54.320	50.000	8.6
Endosulfan sulfate	7.152	7.050	7.250	54.310	50.000	8.6
Endrin	6.577	6.476	6.676	53.380	50.000	6.8
Endrin aldehyde	6.917	6.816	7.016	53.450	50.000	6.9
Endrin ketone	7.633	7.531	7.731	54.580	50.000	9.2
gamma-BHC (Lindane)	4.332	4.232	4.432	55.710	50.000	11.4
gamma-Chlordane	5.949	5.847	6.047	56.700	50.000	13.4
Heptachlor	4.932	4.831	5.031	56.990	50.000	14.0
Heptachlor epoxide	5.693	5.592	5.792	55.460	50.000	10.9
Methoxychlor	7.495	7.395	7.595	51.810	50.000	3.6
Tetrachloro-m-xylene	3.552	3.452	3.652	54.060	50.000	8.1

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL09 **Date Analyzed:** 05/15/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088553.D **Time Analyzed:** 09:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.932	5.834	6.034	48.680	50.000	-2.6
4,4'-DDE	5.378	5.280	5.480	48.920	50.000	-2.2
4,4'-DDT	6.186	6.088	6.288	47.730	50.000	-4.5
Aldrin	4.371	4.273	4.473	49.570	50.000	-0.9
alpha-BHC	3.395	3.296	3.496	49.270	50.000	-1.5
alpha-Chlordane	5.193	5.094	5.294	48.190	50.000	-3.6
beta-BHC	4.027	3.928	4.128	48.880	50.000	-2.2
Decachlorobiphenyl	8.075	7.977	8.177	43.850	50.000	-12.3
delta-BHC	4.264	4.165	4.365	49.000	50.000	-2.0
Dieldrin	5.515	5.417	5.617	48.480	50.000	-3.0
Endosulfan I	5.249	5.151	5.351	47.220	50.000	-5.6
Endosulfan II	6.083	5.984	6.184	47.670	50.000	-4.7
Endosulfan sulfate	6.485	6.386	6.586	47.060	50.000	-5.9
Endrin	5.792	5.693	5.893	46.640	50.000	-6.7
Endrin aldehyde	6.261	6.163	6.363	46.820	50.000	-6.4
Endrin ketone	6.994	6.895	7.095	47.950	50.000	-4.1
gamma-BHC (Lindane)	3.731	3.633	3.833	48.430	50.000	-3.1
gamma-Chlordane	5.128	5.030	5.230	48.350	50.000	-3.3
Heptachlor	4.085	3.986	4.186	48.250	50.000	-3.5
Heptachlor epoxide	4.875	4.777	4.977	48.440	50.000	-3.1
Methoxychlor	6.757	6.659	6.859	45.800	50.000	-8.4
Tetrachloro-m-xylene	2.882	2.783	2.983	48.870	50.000	-2.3

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/15/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 15:11 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.08	9.08	8.98	9.18	0.00
Tetrachloro-m-xylene	3.56	3.55	3.45	3.65	-0.01
alpha-BHC	4.01	4.00	3.90	4.10	-0.01
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.94	4.93	4.83	5.03	-0.01
Aldrin	5.28	5.27	5.17	5.37	-0.01
Heptachlor epoxide	5.70	5.69	5.59	5.79	-0.01
Endosulfan I	6.08	6.08	5.98	6.18	0.00
Dieldrin	6.36	6.35	6.25	6.45	-0.01
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.15	7.05	7.25	-0.01
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.63	7.53	7.73	-0.01
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.04	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/15/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 15:11 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.40	3.30	3.50	0.01
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.27	4.17	4.37	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.09	4.09	3.99	4.19	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.88	4.88	4.78	4.98	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.00
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.49	6.49	6.39	6.59	0.00
4,4'-DDT	6.19	6.19	6.09	6.29	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	7.00	7.00	6.90	7.10	0.01
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL10 **Date Analyzed:** 05/15/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088566.D **Time Analyzed:** 15:11

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.712	6.606	6.806	58.470	50.000	16.9
4,4'-DDE	6.204	6.097	6.297	54.860	50.000	9.7
4,4'-DDT	7.030	6.922	7.122	46.570	50.000	-6.9
Aldrin	5.280	5.173	5.373	58.220	50.000	16.4
alpha-BHC	4.007	3.901	4.101	59.520	50.000	19.0
alpha-Chlordane	6.035	5.929	6.129	57.590	50.000	15.2
beta-BHC	4.523	4.416	4.616	57.060	50.000	14.1
Decachlorobiphenyl	9.083	8.975	9.175	50.530	50.000	1.1
delta-BHC	4.772	4.665	4.865	57.580	50.000	15.2
Dieldrin	6.356	6.249	6.449	56.970	50.000	13.9
Endosulfan I	6.082	5.976	6.176	56.890	50.000	13.8
Endosulfan II	6.795	6.687	6.887	55.090	50.000	10.2
Endosulfan sulfate	7.158	7.050	7.250	53.960	50.000	7.9
Endrin	6.583	6.476	6.676	54.300	50.000	8.6
Endrin aldehyde	6.923	6.816	7.016	51.380	50.000	2.8
Endrin ketone	7.639	7.531	7.731	52.960	50.000	5.9
gamma-BHC (Lindane)	4.338	4.232	4.432	57.900	50.000	15.8
gamma-Chlordane	5.953	5.847	6.047	56.190	50.000	12.4
Heptachlor	4.938	4.831	5.031	56.190	50.000	12.4
Heptachlor epoxide	5.699	5.592	5.792	56.300	50.000	12.6
Methoxychlor	7.502	7.395	7.595	46.630	50.000	-6.7
Tetrachloro-m-xylene	3.558	3.452	3.652	56.160	50.000	12.3

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL10 **Date Analyzed:** 05/15/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088566.D **Time Analyzed:** 15:11

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.933	5.834	6.034	50.970	50.000	1.9
4,4'-DDE	5.377	5.280	5.480	49.140	50.000	-1.7
4,4'-DDT	6.187	6.088	6.288	43.150	50.000	-13.7
Aldrin	4.371	4.273	4.473	51.590	50.000	3.2
alpha-BHC	3.394	3.296	3.496	51.060	50.000	2.1
alpha-Chlordane	5.194	5.094	5.294	49.390	50.000	-1.2
beta-BHC	4.027	3.928	4.128	50.400	50.000	0.8
Decachlorobiphenyl	8.077	7.977	8.177	42.250	50.000	-15.5
delta-BHC	4.264	4.165	4.365	50.740	50.000	1.5
Dieldrin	5.516	5.417	5.617	49.380	50.000	-1.2
Endosulfan I	5.250	5.151	5.351	46.890	50.000	-6.2
Endosulfan II	6.084	5.984	6.184	48.000	50.000	-4.0
Endosulfan sulfate	6.486	6.386	6.586	47.050	50.000	-5.9
Endrin	5.793	5.693	5.893	48.660	50.000	-2.7
Endrin aldehyde	6.262	6.163	6.363	45.350	50.000	-9.3
Endrin ketone	6.995	6.895	7.095	46.110	50.000	-7.8
gamma-BHC (Lindane)	3.731	3.633	3.833	49.840	50.000	-0.3
gamma-Chlordane	5.129	5.030	5.230	49.820	50.000	-0.4
Heptachlor	4.085	3.986	4.186	48.240	50.000	-3.5
Heptachlor epoxide	4.875	4.777	4.977	49.790	50.000	-0.4
Methoxychlor	6.758	6.659	6.859	42.380	50.000	-15.2
Tetrachloro-m-xylene	2.882	2.783	2.983	50.330	50.000	0.7

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Fax : 908 789 8922

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088122.D **Date Analyzed:** 04/18/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 13:29

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.075	8.970	9.180	23.220	20.000	16.1
Tetrachloro-m-xylene	3.551	3.500	3.600	21.610	20.000	8.1
alpha-BHC	4.000	3.950	4.050	9.950	10.000	-0.5
beta-BHC	4.516	4.470	4.570	11.360	10.000	13.6
gamma-BHC (Lindane)	4.331	4.280	4.380	10.480	10.000	4.8
Endrin	6.576	6.510	6.650	51.530	50.000	3.1
4,4'-DDT	7.023	6.950	7.090	110.510	100.000	10.5
Methoxychlor	7.494	7.420	7.560	265.100	250.000	6.0

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088122.D **Date Analyzed:** 04/18/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 13:29

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.076	7.980	8.180	22.950	20.000	14.8
Tetrachloro-m-xylene	2.883	2.830	2.930	22.200	20.000	11.0
alpha-BHC	3.396	3.350	3.450	11.720	10.000	17.2
beta-BHC	4.028	3.980	4.080	12.460	10.000	24.6
gamma-BHC (Lindane)	3.732	3.680	3.780	11.580	10.000	15.8
Endrin	5.793	5.720	5.860	49.780	50.000	-0.4
4,4'-DDT	6.187	6.120	6.260	102.610	100.000	2.6
Methoxychlor	6.758	6.690	6.830	215.580	250.000	-13.8

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088463.D **Date Analyzed:** 05/12/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:58

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.071	8.970	9.170	24.020	20.000	20.1
Tetrachloro-m-xylene	3.550	3.500	3.600	22.950	20.000	14.8
alpha-BHC	4.000	3.950	4.050	10.330	10.000	3.3
beta-BHC	4.515	4.460	4.570	11.660	10.000	16.6
gamma-BHC (Lindane)	4.330	4.280	4.380	10.730	10.000	7.3
Endrin	6.574	6.500	6.640	58.670	50.000	17.3
4,4'-DDT	7.021	6.950	7.090	119.010	100.000	19.0
Methoxychlor	7.492	7.420	7.560	269.490	250.000	7.8

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088463.D **Date Analyzed:** 05/12/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:58

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.073	7.970	8.170	21.250	20.000	6.3
Tetrachloro-m-xylene	2.881	2.830	2.930	21.410	20.000	7.1
alpha-BHC	3.394	3.340	3.440	11.120	10.000	11.2
beta-BHC	4.026	3.980	4.080	11.470	10.000	14.7
gamma-BHC (Lindane)	3.730	3.680	3.780	11.190	10.000	11.9
Endrin	5.790	5.720	5.860	49.200	50.000	-1.6
4,4'-DDT	6.184	6.110	6.250	98.020	100.000	-2.0
Methoxychlor	6.755	6.680	6.830	182.340	250.000	-27.1

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088483.D **Date Analyzed:** 05/12/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 19:22

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.074	8.970	9.170	23.690	20.000	18.5
Tetrachloro-m-xylene	3.552	3.500	3.600	22.650	20.000	13.3
alpha-BHC	4.001	3.950	4.050	10.470	10.000	4.7
beta-BHC	4.516	4.470	4.570	11.860	10.000	18.6
gamma-BHC (Lindane)	4.331	4.280	4.380	10.860	10.000	8.6
Endrin	6.576	6.510	6.650	58.130	50.000	16.3
4,4'-DDT	7.022	6.950	7.090	118.210	100.000	18.2
Methoxychlor	7.494	7.420	7.560	267.140	250.000	6.9

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088483.D **Date Analyzed:** 05/12/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 19:22

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.075	7.970	8.180	20.580	20.000	2.9
Tetrachloro-m-xylene	2.883	2.830	2.930	21.480	20.000	7.4
alpha-BHC	3.395	3.340	3.450	11.200	10.000	12.0
beta-BHC	4.027	3.980	4.080	11.620	10.000	16.2
gamma-BHC (Lindane)	3.732	3.680	3.780	11.160	10.000	11.6
Endrin	5.792	5.720	5.860	50.090	50.000	0.2
4,4'-DDT	6.186	6.120	6.260	98.250	100.000	-1.8
Methoxychlor	6.757	6.690	6.830	198.050	250.000	-20.8

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088498.D **Date Analyzed:** 05/13/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:41

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.074	8.970	9.170	23.730	20.000	18.7
Tetrachloro-m-xylene	3.551	3.500	3.600	23.660	20.000	18.3
alpha-BHC	4.000	3.950	4.050	10.800	10.000	8.0
beta-BHC	4.516	4.470	4.570	12.260	10.000	22.6
gamma-BHC (Lindane)	4.331	4.280	4.380	11.190	10.000	11.9
Endrin	6.575	6.500	6.650	59.430	50.000	18.9
4,4'-DDT	7.021	6.950	7.090	119.580	100.000	19.6
Methoxychlor	7.494	7.420	7.560	270.970	250.000	8.4

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088498.D **Date Analyzed:** 05/13/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:41

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.073	7.970	8.170	20.850	20.000	4.3
Tetrachloro-m-xylene	2.881	2.830	2.930	22.400	20.000	12.0
alpha-BHC	3.394	3.340	3.440	11.630	10.000	16.3
beta-BHC	4.026	3.980	4.080	12.030	10.000	20.3
gamma-BHC (Lindane)	3.730	3.680	3.780	11.540	10.000	15.4
Endrin	5.790	5.720	5.860	51.700	50.000	3.4
4,4'-DDT	6.185	6.110	6.260	99.870	100.000	-0.1
Methoxychlor	6.755	6.680	6.830	200.220	250.000	-19.9

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088552.D **Date Analyzed:** 05/15/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:18

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.081	8.980	9.180	22.250	20.000	11.3
Tetrachloro-m-xylene	3.556	3.510	3.610	22.310	20.000	11.6
alpha-BHC	4.005	3.950	4.060	10.210	10.000	2.1
beta-BHC	4.522	4.470	4.570	11.920	10.000	19.2
gamma-BHC (Lindane)	4.336	4.290	4.390	10.490	10.000	4.9
Endrin	6.581	6.510	6.650	55.090	50.000	10.2
4,4'-DDT	7.028	6.960	7.100	107.450	100.000	7.5
Methoxychlor	7.500	7.430	7.570	247.110	250.000	-1.2

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088552.D **Date Analyzed:** 05/15/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:18

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.077	7.980	8.180	19.860	20.000	-0.7
Tetrachloro-m-xylene	2.882	2.830	2.930	20.810	20.000	4.1
alpha-BHC	3.395	3.340	3.450	10.740	10.000	7.4
beta-BHC	4.027	3.980	4.080	9.980	10.000	-0.2
gamma-BHC (Lindane)	3.731	3.680	3.780	10.690	10.000	6.9
Endrin	5.792	5.720	5.860	48.980	50.000	-2.0
4,4'-DDT	6.186	6.120	6.260	93.360	100.000	-6.6
Methoxychlor	6.758	6.690	6.830	186.490	250.000	-25.4

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q1982

Project: South River WM Replacement **Instrument ID:** ECD_D

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 04/18/2025 04/18/2025

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	04/18/2025	13:15	PD088121.D	9.07	3.55
PEM	PEM	04/18/2025	13:29	PD088122.D	9.08	3.55
RESCHK	RESCHK	04/18/2025	13:43	PD088123.D	9.08	3.55
PSTDICC100	PSTDICC100	04/18/2025	13:56	PD088124.D	9.08	3.55
PSTDICC075	PSTDICC075	04/18/2025	14:10	PD088125.D	9.07	3.55
PSTDICC050	PSTDICC050	04/18/2025	14:24	PD088126.D	9.08	3.55
PSTDICC025	PSTDICC025	04/18/2025	14:37	PD088127.D	9.08	3.55
PSTDICC005	PSTDICC005	04/18/2025	14:51	PD088128.D	9.08	3.55
PCHLORICC500	PCHLORICC500	04/18/2025	15:32	PD088131.D	9.07	3.55
PTOXICC500	PTOXICC500	04/18/2025	16:40	PD088136.D	9.07	3.55
I.BLK	I.BLK	05/12/2025	12:44	PD088462.D	9.07	3.55
PEM	PEM	05/12/2025	12:58	PD088463.D	9.07	3.55
PSTDCCC050	PSTDCCC050	05/12/2025	13:42	PD088464.D	9.08	3.56
PB167950BL	PB167950BL	05/12/2025	15:16	PD088465.D	9.08	3.56
PB167950BS	PB167950BS	05/12/2025	15:30	PD088466.D	9.08	3.55
I.BLK	I.BLK	05/12/2025	17:19	PD088474.D	9.07	3.55
PSTDCCC050	PSTDCCC050	05/12/2025	17:32	PD088475.D	9.07	3.55
I.BLK	I.BLK	05/12/2025	19:08	PD088482.D	9.07	3.55
PEM	PEM	05/12/2025	19:22	PD088483.D	9.07	3.55
PSTDCCC050	PSTDCCC050	05/12/2025	19:35	PD088484.D	9.07	3.55
TP-1MS	Q1982-01MS	05/12/2025	20:03	PD088486.D	9.07	3.55
TP-1MSD	Q1982-01MSD	05/12/2025	20:16	PD088487.D	9.07	3.55
TP-3	Q1982-03	05/12/2025	20:44	PD088489.D	9.07	3.55
TP-6	Q1982-06	05/12/2025	21:25	PD088492.D	9.07	3.55
I.BLK	I.BLK	05/12/2025	21:52	PD088494.D	9.07	3.55
PSTDCCC050	PSTDCCC050	05/13/2025	02:17	PD088495.D	9.07	3.55
I.BLK	I.BLK	05/13/2025	09:28	PD088497.D	9.07	3.55
PEM	PEM	05/13/2025	09:41	PD088498.D	9.07	3.55
PSTDCCC050	PSTDCCC050	05/13/2025	09:55	PD088499.D	9.07	3.55
TP-1	Q1982-01	05/13/2025	10:22	PD088501.D	9.07	3.55
TP-2B	Q1982-02	05/13/2025	10:35	PD088502.D	9.07	3.55
TP-4	Q1982-04	05/13/2025	10:49	PD088503.D	9.07	3.55
TP-5	Q1982-05	05/13/2025	11:02	PD088504.D	9.07	3.55
TP-8	Q1982-07	05/13/2025	11:16	PD088505.D	9.07	3.55
I.BLK	I.BLK	05/13/2025	13:18	PD088514.D	9.07	3.55
PSTDCCC050	PSTDCCC050	05/13/2025	14:22	PD088515.D	9.08	3.56
I.BLK	I.BLK	05/13/2025	16:35	PD088523.D	9.08	3.56
PSTDCCC050	PSTDCCC050	05/13/2025	16:48	PD088524.D	9.07	3.55
PB167959BL	PB167959BL	05/13/2025	17:02	PD088525.D	9.07	3.55
PB167959BS	PB167959BS	05/13/2025	17:15	PD088526.D	9.07	3.55
TP-9	Q1982-08	05/13/2025	17:29	PD088527.D	9.07	3.55
I.BLK	I.BLK	05/13/2025	19:18	PD088535.D	9.07	3.55

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Analytical Sequence

PSTDCCC050	PSTDCCC050	05/13/2025	19:46	PD088537.D	9.07	3.55
I.BLK	I.BLK	05/15/2025	08:47	PD088551.D	9.08	3.55
PEM	PEM	05/15/2025	09:18	PD088552.D	9.08	3.56
PSTDCCC050	PSTDCCC050	05/15/2025	09:32	PD088553.D	9.08	3.55
OU4-PCS-TC-33-050725MS	Q1984-01MS	05/15/2025	12:52	PD088559.D	9.08	3.55
OU4-PCS-TC-33-050725MSD	Q1984-01MSD	05/15/2025	13:05	PD088560.D	9.08	3.55
I.BLK	I.BLK	05/15/2025	14:14	PD088565.D	9.08	3.55
PSTDCCC050	PSTDCCC050	05/15/2025	15:11	PD088566.D	9.08	3.56

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q1982

Project: South River WM Replacement **Instrument ID:** ECD_D

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 04/18/2025 04/18/2025

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	04/18/2025	13:15	PD088121.D	8.08	2.88
PEM	PEM	04/18/2025	13:29	PD088122.D	8.08	2.88
RESCHK	RESCHK	04/18/2025	13:43	PD088123.D	8.08	2.88
PSTDICC100	PSTDICC100	04/18/2025	13:56	PD088124.D	8.09	2.90
PSTDICC075	PSTDICC075	04/18/2025	14:10	PD088125.D	8.08	2.88
PSTDICC050	PSTDICC050	04/18/2025	14:24	PD088126.D	8.08	2.88
PSTDICC025	PSTDICC025	04/18/2025	14:37	PD088127.D	8.08	2.88
PSTDICC005	PSTDICC005	04/18/2025	14:51	PD088128.D	8.08	2.88
PCHLORICC500	PCHLORICC500	04/18/2025	15:32	PD088131.D	8.08	2.88
PTOXICC500	PTOXICC500	04/18/2025	16:40	PD088136.D	8.08	2.88
I.BLK	I.BLK	05/12/2025	12:44	PD088462.D	8.07	2.88
PEM	PEM	05/12/2025	12:58	PD088463.D	8.07	2.88
PSTDCCC050	PSTDCCC050	05/12/2025	13:42	PD088464.D	8.08	2.88
PB167950BL	PB167950BL	05/12/2025	15:16	PD088465.D	8.08	2.88
PB167950BS	PB167950BS	05/12/2025	15:30	PD088466.D	8.07	2.88
I.BLK	I.BLK	05/12/2025	17:19	PD088474.D	8.08	2.88
PSTDCCC050	PSTDCCC050	05/12/2025	17:32	PD088475.D	8.08	2.88
I.BLK	I.BLK	05/12/2025	19:08	PD088482.D	8.08	2.88
PEM	PEM	05/12/2025	19:22	PD088483.D	8.08	2.88
PSTDCCC050	PSTDCCC050	05/12/2025	19:35	PD088484.D	8.07	2.88
TP-1MS	Q1982-01MS	05/12/2025	20:03	PD088486.D	8.07	2.88
TP-1MSD	Q1982-01MSD	05/12/2025	20:16	PD088487.D	8.08	2.88
TP-3	Q1982-03	05/12/2025	20:44	PD088489.D	8.08	2.88
TP-6	Q1982-06	05/12/2025	21:25	PD088492.D	8.07	2.88
I.BLK	I.BLK	05/12/2025	21:52	PD088494.D	8.08	2.88
PSTDCCC050	PSTDCCC050	05/13/2025	02:17	PD088495.D	8.08	2.88
I.BLK	I.BLK	05/13/2025	09:28	PD088497.D	8.07	2.88
PEM	PEM	05/13/2025	09:41	PD088498.D	8.07	2.88
PSTDCCC050	PSTDCCC050	05/13/2025	09:55	PD088499.D	8.08	2.88
TP-1	Q1982-01	05/13/2025	10:22	PD088501.D	8.08	2.88
TP-2B	Q1982-02	05/13/2025	10:35	PD088502.D	8.07	2.88
TP-4	Q1982-04	05/13/2025	10:49	PD088503.D	8.07	2.88
TP-5	Q1982-05	05/13/2025	11:02	PD088504.D	8.07	2.88
TP-8	Q1982-07	05/13/2025	11:16	PD088505.D	8.07	2.88
I.BLK	I.BLK	05/13/2025	13:18	PD088514.D	8.08	2.88
PSTDCCC050	PSTDCCC050	05/13/2025	14:22	PD088515.D	8.08	2.88
I.BLK	I.BLK	05/13/2025	16:35	PD088523.D	8.08	2.88
PSTDCCC050	PSTDCCC050	05/13/2025	16:48	PD088524.D	8.07	2.88
PB167959BL	PB167959BL	05/13/2025	17:02	PD088525.D	8.07	2.88
PB167959BS	PB167959BS	05/13/2025	17:15	PD088526.D	8.07	2.88
TP-9	Q1982-08	05/13/2025	17:29	PD088527.D	8.07	2.88
I.BLK	I.BLK	05/13/2025	19:18	PD088535.D	8.07	2.88

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Analytical Sequence

PSTDCCC050	PSTDCCC050	05/13/2025	19:46	PD088537.D	8.07	2.88
I.BLK	I.BLK	05/15/2025	08:47	PD088551.D	8.08	2.88
PEM	PEM	05/15/2025	09:18	PD088552.D	8.08	2.88
PSTDCCC050	PSTDCCC050	05/15/2025	09:32	PD088553.D	8.08	2.88
OU4-PCS-TC-33-050725MS	Q1984-01MS	05/15/2025	12:52	PD088559.D	8.08	2.88
OU4-PCS-TC-33-050725MSD	Q1984-01MSD	05/15/2025	13:05	PD088560.D	8.07	2.88
I.BLK	I.BLK	05/15/2025	14:14	PD088565.D	8.08	2.88
PSTDCCC050	PSTDCCC050	05/15/2025	15:11	PD088566.D	8.08	2.88

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
OU4-PCS-TC-33-050725MS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: Q1984-01MS **Date(s) Analyzed:** 05/15/2025 05/15/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	20.1	20.3
	2	5.93	5.88	5.98	16.4	
4,4'-DDE	1	6.20	6.15	6.25	19.2	12.2
	2	5.38	5.33	5.43	17.0	
Endosulfan II	1	6.79	6.74	6.84	19.0	11.7
	2	6.08	6.03	6.13	16.9	
4,4'-DDT	1	7.02	6.97	7.07	19.3	11.5
	2	6.19	6.14	6.24	17.2	
Endrin aldehyde	1	6.92	6.87	6.97	19.5	13.7
	2	6.26	6.21	6.31	17.0	
Endosulfan sulfate	1	7.15	7.10	7.20	19.2	15.7
	2	6.48	6.43	6.53	16.4	
Endrin ketone	1	7.63	7.58	7.68	19.6	14.8
	2	6.99	6.94	7.04	16.9	
alpha-BHC	1	4.00	3.95	4.05	19.7	11.8
	2	3.40	3.35	3.45	17.5	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	20.1	16.7
	2	3.73	3.68	3.78	17.0	
Aldrin	1	5.27	5.22	5.32	20.0	15.1
	2	4.37	4.32	4.42	17.2	
beta-BHC	1	4.52	4.47	4.57	19.4	10.9
	2	4.03	3.98	4.08	17.4	
delta-BHC	1	4.77	4.72	4.82	19.9	13.4
	2	4.26	4.21	4.31	17.4	
Endosulfan I	1	6.08	6.03	6.13	19.8	14.6
	2	5.25	5.20	5.30	17.1	
alpha-Chlordane	1	6.03	5.98	6.08	19.8	14.6
	2	5.19	5.14	5.24	17.1	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
OU4-PCS-TC-33-050725MS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: Q1984-01MS **Date(s) Analyzed:** 05/15/2025 05/15/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Dieldrin	1	6.35	6.30	6.40	20.0	15.6
	2	5.52	5.47	5.57	17.1	
Endrin	1	6.58	6.53	6.63	19.6	13
	2	5.79	5.74	5.84	17.2	
Methoxychlor	1	7.50	7.45	7.55	18.6	10.8
	2	6.76	6.71	6.81	16.7	
Heptachlor	1	4.93	4.88	4.98	20.4	14.7
	2	4.09	4.04	4.14	17.6	
Heptachlor epoxide	1	5.69	5.64	5.74	19.8	14.6
	2	4.88	4.83	4.93	17.1	
gamma-Chlordane	1	5.95	5.90	6.00	19.7	13.6
	2	5.13	5.08	5.18	17.2	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
OU4-PCS-TC-33-050725MSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: Q1984-01MSD **Date(s) Analyzed:** 05/15/2025 05/15/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.79	6.74	6.84	19.2	13.3
	2	6.08	6.03	6.13	16.8	
4,4'-DDD	1	6.71	6.66	6.76	20.3	19.5
	2	5.93	5.88	5.98	16.7	
4,4'-DDT	1	7.02	6.97	7.07	19.4	12.6
	2	6.19	6.14	6.24	17.1	
Endrin aldehyde	1	6.92	6.87	6.97	19.6	14.2
	2	6.26	6.21	6.31	17.0	
Endosulfan sulfate	1	7.15	7.10	7.20	19.4	13.8
	2	6.48	6.43	6.53	16.9	
Methoxychlor	1	7.49	7.44	7.54	18.8	11.2
	2	6.76	6.71	6.81	16.8	
Endrin ketone	1	7.63	7.58	7.68	19.7	13.6
	2	6.99	6.94	7.04	17.2	
alpha-BHC	1	4.00	3.95	4.05	19.9	11.1
	2	3.40	3.35	3.45	17.8	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	20.3	16.5
	2	3.73	3.68	3.78	17.2	
Heptachlor	1	4.93	4.88	4.98	20.7	15.1
	2	4.09	4.04	4.14	17.8	
Aldrin	1	5.27	5.22	5.32	20.4	15.3
	2	4.37	4.32	4.42	17.5	
beta-BHC	1	4.52	4.47	4.57	19.5	9.1
	2	4.03	3.98	4.08	17.8	
delta-BHC	1	4.77	4.72	4.82	20.0	12.8
	2	4.26	4.21	4.31	17.6	
Heptachlor epoxide	1	5.69	5.64	5.74	19.8	13.5
	2	4.87	4.82	4.92	17.3	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
OU4-PCS-TC-33-050725MSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: Q1984-01MSD **Date(s) Analyzed:** 05/15/2025 05/15/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.08	6.03	6.13	20.0	13.9
	2	5.25	5.20	5.30	17.4	
gamma-Chlordane	1	5.95	5.90	6.00	19.8	13.5
	2	5.13	5.08	5.18	17.3	
alpha-Chlordane	1	6.03	5.98	6.08	19.9	14
	2	5.19	5.14	5.24	17.3	
4,4'-DDE	1	6.20	6.15	6.25	19.4	11.4
	2	5.38	5.33	5.43	17.3	
Dieldrin	1	6.35	6.30	6.40	20.2	14.9
	2	5.51	5.46	5.56	17.4	
Endrin	1	6.58	6.53	6.63	19.8	12.9
	2	5.79	5.74	5.84	17.4	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
PB167950BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: PB167950BS **Date(s) Analyzed:** 05/12/2025 05/12/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	17.1	11.8
	2	5.93	5.88	5.98	15.2	
4,4'-DDE	1	6.20	6.15	6.25	16.8	10
	2	5.38	5.33	5.43	15.2	
4,4'-DDT	1	7.02	6.97	7.07	17.4	12.8
	2	6.19	6.14	6.24	15.3	
alpha-BHC	1	4.00	3.95	4.05	16.3	7.6
	2	3.39	3.34	3.44	15.1	
Aldrin	1	5.27	5.22	5.32	16.8	9.3
	2	4.37	4.32	4.42	15.3	
alpha-Chlordane	1	6.03	5.98	6.08	16.9	10.6
	2	5.19	5.14	5.24	15.2	
Endosulfan II	1	6.79	6.74	6.84	16.8	10.7
	2	6.08	6.03	6.13	15.1	
Endosulfan sulfate	1	7.15	7.10	7.20	17.2	13.7
	2	6.48	6.43	6.53	15.0	
beta-BHC	1	4.52	4.47	4.57	16.1	4.4
	2	4.03	3.98	4.08	15.4	
delta-BHC	1	4.76	4.71	4.81	16.8	9.3
	2	4.26	4.21	4.31	15.3	
Endosulfan I	1	6.08	6.03	6.13	17.1	11.1
	2	5.25	5.20	5.30	15.3	
Dieldrin	1	6.35	6.30	6.40	17.3	12.9
	2	5.51	5.46	5.56	15.2	
Endrin aldehyde	1	6.92	6.87	6.97	16.9	12.6
	2	6.26	6.21	6.31	14.9	
Methoxychlor	1	7.49	7.44	7.54	17.0	17.3
	2	6.76	6.71	6.81	14.3	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
PB167950BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: PB167950BS **Date(s) Analyzed:** 05/12/2025 05/12/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.63	7.58	7.68	17.3	13.6
	2	6.99	6.94	7.04	15.1	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.2	7.7
	2	3.73	3.68	3.78	15.0	
Heptachlor	1	4.93	4.88	4.98	17.0	13.2
	2	4.08	4.03	4.13	14.9	
Heptachlor epoxide	1	5.69	5.64	5.74	16.8	10
	2	4.87	4.82	4.92	15.2	
gamma-Chlordane	1	5.95	5.90	6.00	16.9	10.6
	2	5.13	5.08	5.18	15.2	
Endrin	1	6.58	6.53	6.63	17.1	14.4
	2	5.79	5.74	5.84	14.8	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
PB167959BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: PB167959BS **Date(s) Analyzed:** 05/13/2025 05/13/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	18.5	12
	2	5.93	5.88	5.98	16.4	
4,4'-DDT	1	7.02	6.97	7.07	17.3	12.3
	2	6.19	6.14	6.24	15.3	
alpha-BHC	1	4.00	3.95	4.05	17.7	9.5
	2	3.40	3.35	3.45	16.1	
Aldrin	1	5.27	5.22	5.32	18.1	11.1
	2	4.37	4.32	4.42	16.2	
beta-BHC	1	4.52	4.47	4.57	17.3	7.8
	2	4.03	3.98	4.08	16.0	
alpha-Chlordane	1	6.03	5.98	6.08	18.1	12.9
	2	5.19	5.14	5.24	15.9	
4,4'-DDE	1	6.20	6.15	6.25	17.7	9.5
	2	5.38	5.33	5.43	16.1	
Endosulfan II	1	6.79	6.74	6.84	17.6	10.8
	2	6.08	6.03	6.13	15.8	
Endrin aldehyde	1	6.92	6.87	6.97	17.8	11.9
	2	6.26	6.21	6.31	15.8	
Endosulfan sulfate	1	7.15	7.10	7.20	17.9	13.1
	2	6.48	6.43	6.53	15.7	
Methoxychlor	1	7.49	7.44	7.54	16.6	10.1
	2	6.76	6.71	6.81	15.0	
Endrin ketone	1	7.63	7.58	7.68	18.0	13
	2	6.99	6.94	7.04	15.8	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	17.5	9.6
	2	3.73	3.68	3.78	15.9	
Heptachlor	1	4.93	4.88	4.98	18.0	13
	2	4.08	4.03	4.13	15.8	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
PB167959BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: PB167959BS **Date(s) Analyzed:** 05/13/2025 05/13/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
delta-BHC	1	4.77	4.72	4.82	18.0	10.5
	2	4.26	4.21	4.31	16.2	
Heptachlor epoxide	1	5.69	5.64	5.74	18.1	12.3
	2	4.88	4.83	4.93	16.0	
Endosulfan I	1	6.08	6.03	6.13	18.2	13.5
	2	5.25	5.20	5.30	15.9	
gamma-Chlordane	1	5.95	5.90	6.00	18.1	12.3
	2	5.13	5.08	5.18	16.0	
Dieldrin	1	6.35	6.30	6.40	18.3	13.4
	2	5.52	5.47	5.57	16.0	
Endrin	1	6.58	6.53	6.63	17.4	12.2
	2	5.79	5.74	5.84	15.4	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-1MS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: Q1982-01MS **Date(s) Analyzed:** 05/12/2025 05/12/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	22.1	21.6
	2	5.93	5.88	5.98	17.8	
4,4'-DDT	1	7.02	6.97	7.07	22.4	16.4
	2	6.19	6.14	6.24	19.0	
alpha-BHC	1	4.00	3.95	4.05	21.2	9.9
	2	3.40	3.35	3.45	19.2	
Aldrin	1	5.27	5.22	5.32	21.8	12.2
	2	4.37	4.32	4.42	19.3	
beta-BHC	1	4.52	4.47	4.57	20.6	9.1
	2	4.03	3.98	4.08	18.8	
alpha-Chlordane	1	6.03	5.98	6.08	21.6	14.9
	2	5.19	5.14	5.24	18.6	
4,4'-DDE	1	6.20	6.15	6.25	21.3	14.6
	2	5.38	5.33	5.43	18.4	
Endosulfan II	1	6.79	6.74	6.84	21.1	12.1
	2	6.08	6.03	6.13	18.7	
Endrin aldehyde	1	6.92	6.87	6.97	21.3	15.2
	2	6.26	6.21	6.31	18.3	
Endosulfan sulfate	1	7.15	7.10	7.20	21.5	14.5
	2	6.48	6.43	6.53	18.6	
Methoxychlor	1	7.49	7.44	7.54	21.4	15.6
	2	6.76	6.71	6.81	18.3	
Endrin ketone	1	7.63	7.58	7.68	21.6	14.4
	2	6.99	6.94	7.04	18.7	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	21.2	12.5
	2	3.73	3.68	3.78	18.7	
Heptachlor	1	4.93	4.88	4.98	22.0	16.2
	2	4.09	4.04	4.14	18.7	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-1MS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: Q1982-01MS **Date(s) Analyzed:** 05/12/2025 05/12/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
delta-BHC	1	4.77	4.72	4.82	22.8	18.7
	2	4.26	4.21	4.31	18.9	
Heptachlor epoxide	1	5.69	5.64	5.74	21.8	18
	2	4.88	4.83	4.93	18.2	
Endosulfan I	1	6.08	6.03	6.13	21.8	16.4
	2	5.25	5.20	5.30	18.5	
gamma-Chlordane	1	5.95	5.90	6.00	21.3	12.5
	2	5.13	5.08	5.18	18.8	
Dieldrin	1	6.35	6.30	6.40	22.0	17.8
	2	5.52	5.47	5.57	18.4	
Endrin	1	6.58	6.53	6.63	21.8	15.3
	2	5.79	5.74	5.84	18.7	

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-1MSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: Q1982-01MSD **Date(s) Analyzed:** 05/12/2025 05/12/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.79	6.74	6.84	21.2	12
	2	6.08	6.03	6.13	18.8	
4,4'-DDD	1	6.71	6.66	6.76	22.1	21
	2	5.93	5.88	5.98	17.9	
4,4'-DDT	1	7.02	6.97	7.07	22.4	16.9
	2	6.19	6.14	6.24	18.9	
Endrin aldehyde	1	6.92	6.87	6.97	21.3	15.2
	2	6.26	6.21	6.31	18.3	
Endosulfan sulfate	1	7.15	7.10	7.20	21.5	14.5
	2	6.49	6.44	6.54	18.6	
alpha-BHC	1	4.00	3.95	4.05	21.4	10.3
	2	3.40	3.35	3.45	19.3	
Aldrin	1	5.27	5.22	5.32	22.0	12
	2	4.37	4.32	4.42	19.5	
beta-BHC	1	4.52	4.47	4.57	20.8	9.6
	2	4.03	3.98	4.08	18.9	
delta-BHC	1	4.77	4.72	4.82	22.8	18.2
	2	4.26	4.21	4.31	19.0	
Endosulfan I	1	6.08	6.03	6.13	22.0	16.2
	2	5.25	5.20	5.30	18.7	
alpha-Chlordane	1	6.03	5.98	6.08	21.8	14.8
	2	5.19	5.14	5.24	18.8	
4,4'-DDE	1	6.20	6.15	6.25	21.4	14
	2	5.38	5.33	5.43	18.6	
Dieldrin	1	6.35	6.30	6.40	22.2	18.2
	2	5.52	5.47	5.57	18.5	
Endrin	1	6.58	6.53	6.63	22.0	15.7
	2	5.79	5.74	5.84	18.8	

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-1MSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: Q1982-01MSD **Date(s) Analyzed:** 05/12/2025 05/12/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Methoxychlor	1	7.49	7.44	7.54	21.5	16.1
	2	6.76	6.71	6.81	18.3	
Endrin ketone	1	7.63	7.58	7.68	21.7	14.9
	2	6.99	6.94	7.04	18.7	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	21.4	12.9
	2	3.73	3.68	3.78	18.8	
Heptachlor	1	4.93	4.88	4.98	22.2	16.1
	2	4.09	4.04	4.14	18.9	
Heptachlor epoxide	1	5.69	5.64	5.74	21.9	16.8
	2	4.88	4.83	4.93	18.5	
gamma-Chlordane	1	5.95	5.90	6.00	21.5	12.3
	2	5.13	5.08	5.18	19.0	

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-8

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: Q1982-07 **Date(s) Analyzed:** 05/13/2025 05/13/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
gamma-Chlordane	1	5.95	5.90	6.00	2.30	9.1
	2	5.13	5.08	5.18	2.10	
alpha-Chlordane	1	6.03	5.98	6.08	2.20	37.8
	2	5.19	5.14	5.24	1.50	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-9

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: Q1982-08 **Date(s) Analyzed:** 05/13/2025 05/13/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
gamma-Chlordane	1	5.95	5.90	6.00	2.00	10.5
	2	5.13	5.08	5.18	1.80	
alpha-Chlordane	1	6.03	5.98	6.08	1.70	61
	2	5.19	5.14	5.24	0.90	
Dieldrin	1	6.35	6.30	6.40	0.30	87.5
	2	5.51	5.46	5.56	0.77	

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088501.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 10:22
Operator : AR\AJ
Sample : Q1982-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 12:08:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.552	2.883	36816909	256.4E6	18.432	17.535
28)	SA Decachlor...	9.073	8.075	54227500	265.2E6	16.392	14.352
	Target Compounds						

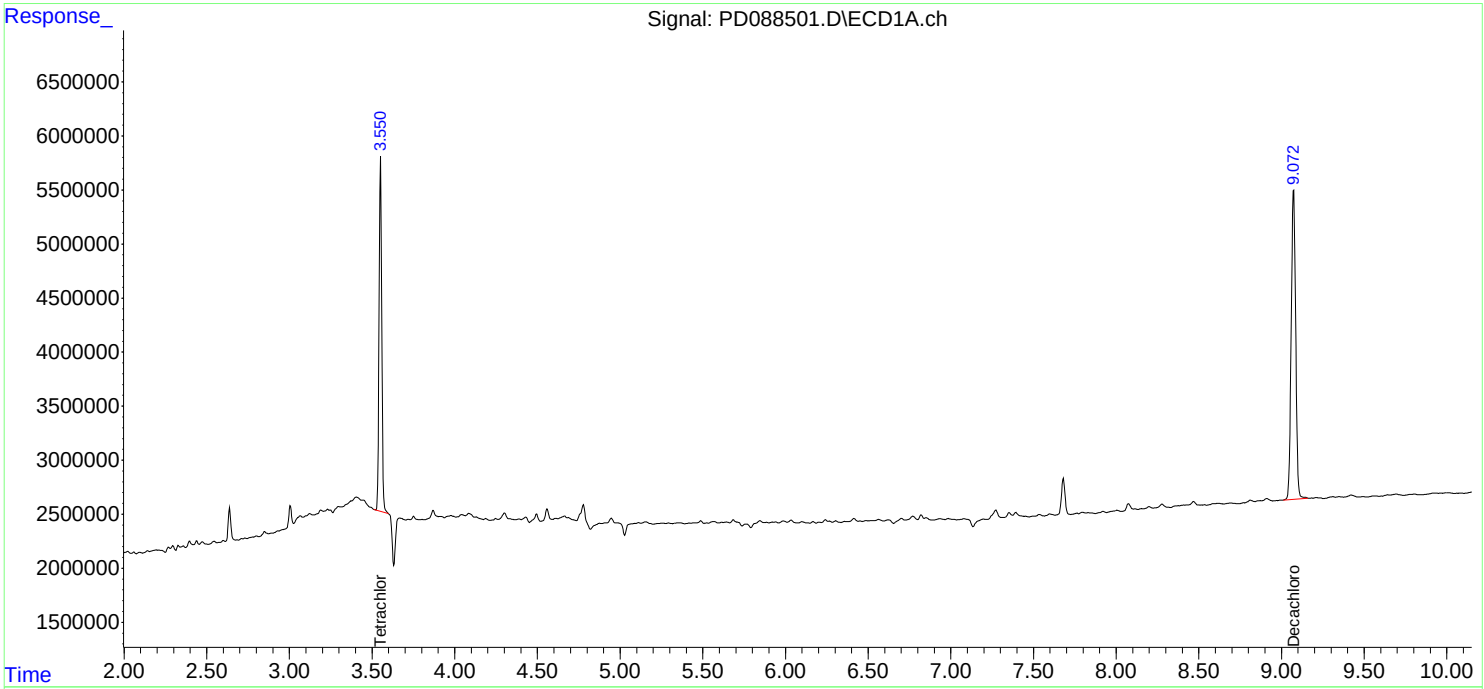
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

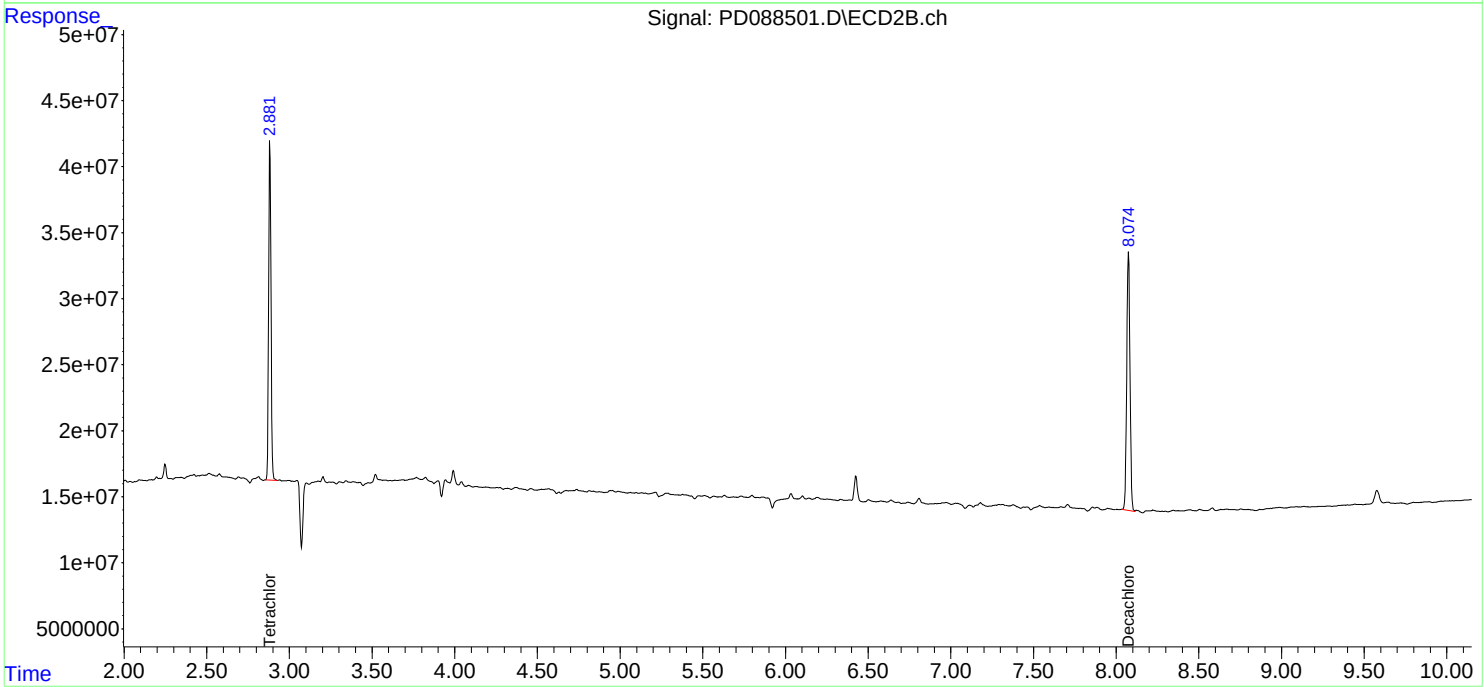
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088501.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 10:22
Operator : AR\AJ
Sample : Q1982-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

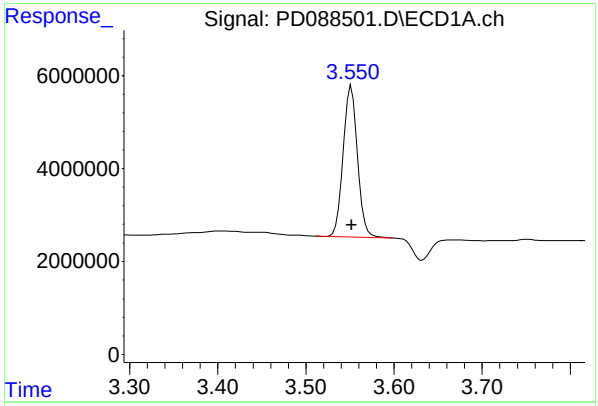
Instrument :
ECD_D
ClientSampleId :
TP-1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 12:08:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



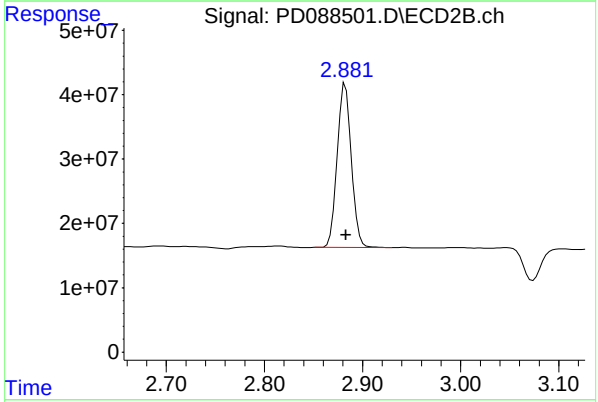




#1 Tetrachloro-m-xylene

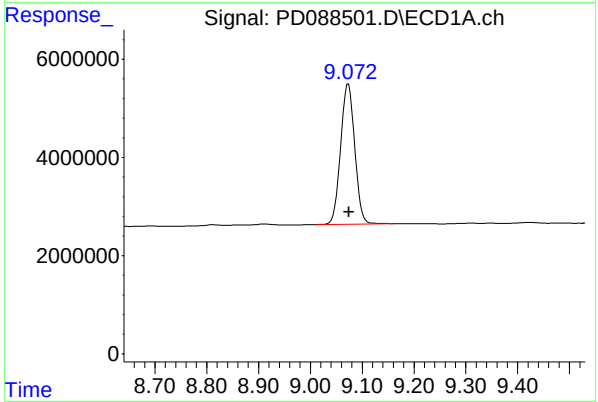
R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 36816909
Conc: 18.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-1



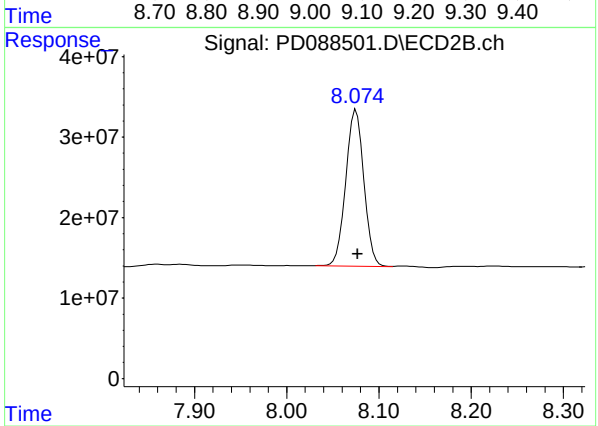
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 256386756
Conc: 17.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.002 min
Response: 54227500
Conc: 16.39 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 265222103
Conc: 14.35 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088502.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 10:35
Operator : AR\AJ
Sample : Q1982-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-2B

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 12:08:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.551	2.882	39958325	275.4E6	20.005	18.832
28)	SA Decachlor...	9.073	8.073	58928727	283.8E6	17.813	15.355m
	Target Compounds						

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

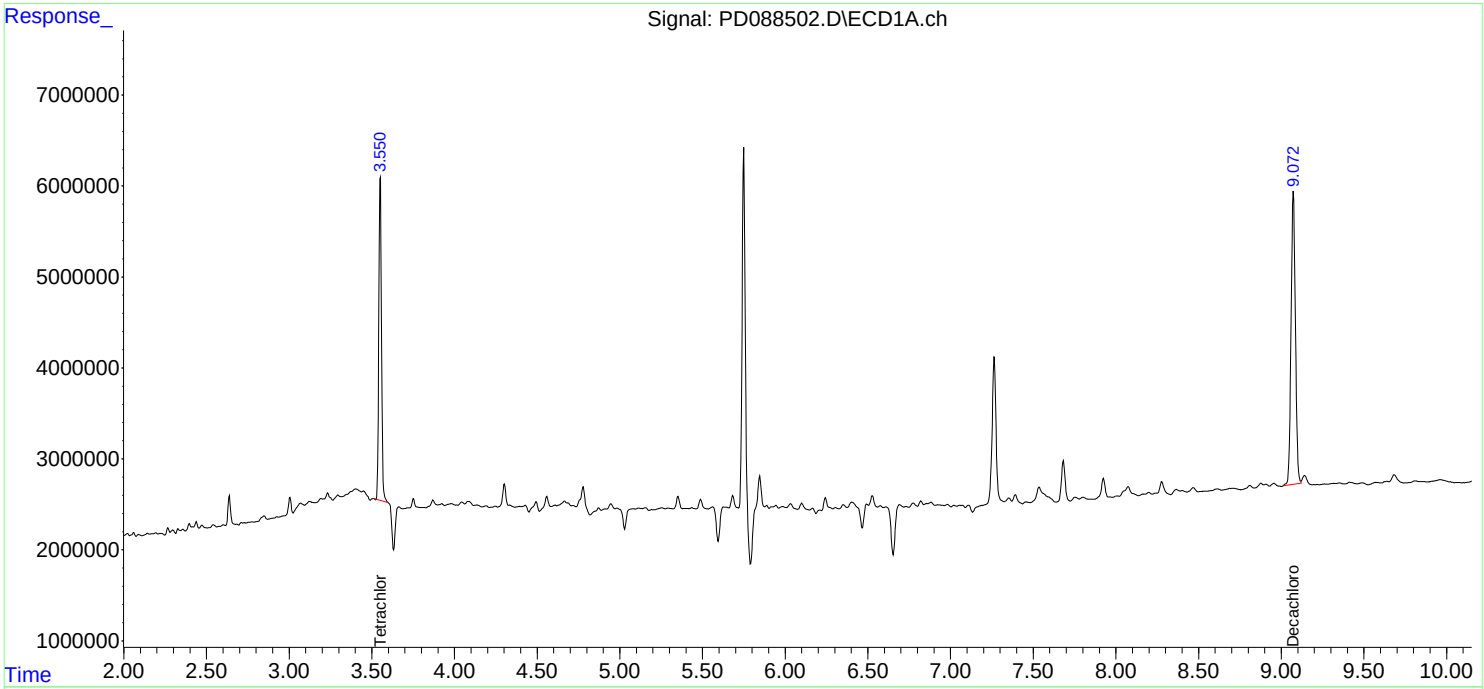
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088502.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 10:35
Operator : AR\AJ
Sample : Q1982-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

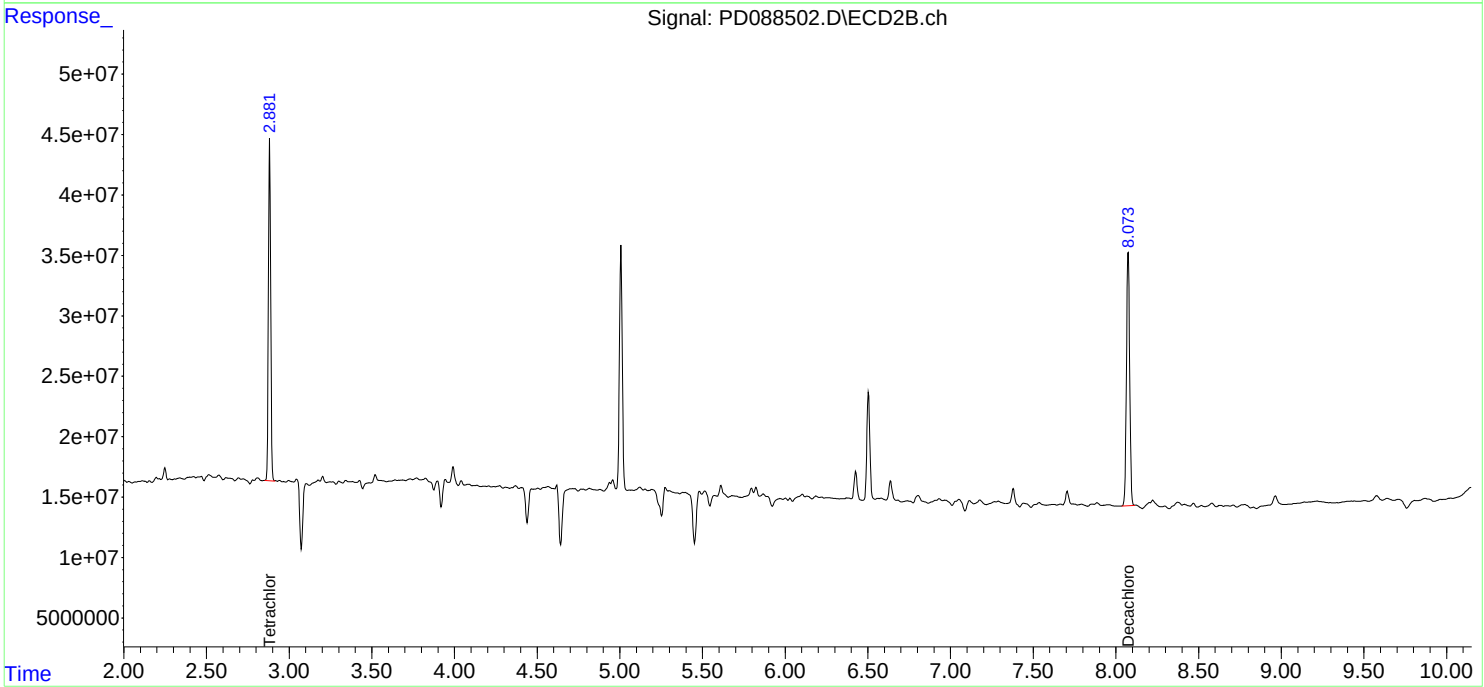
Instrument :
ECD_D
ClientSampleId :
TP-2B

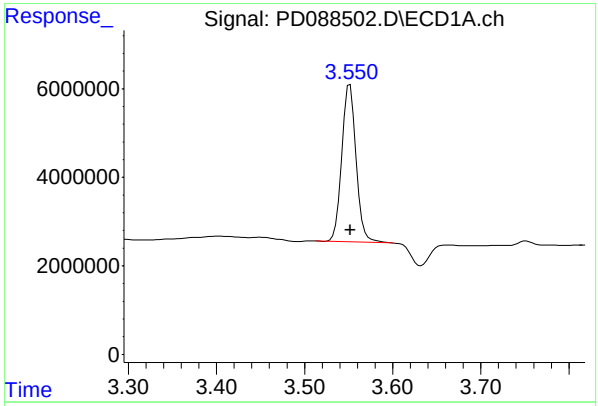
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 12:08:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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







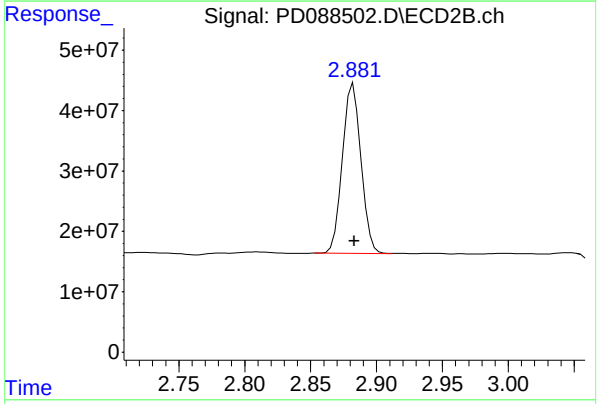
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 39958325
Conc: 20.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-2B

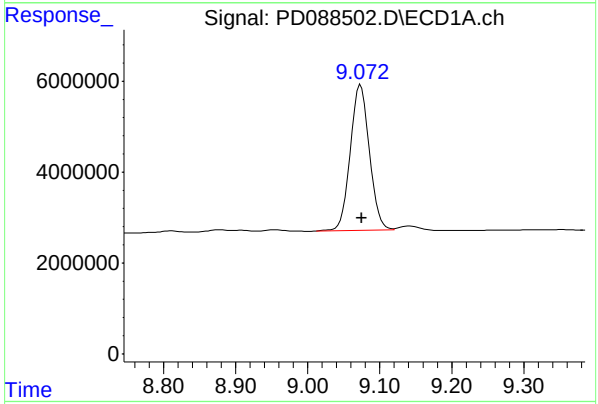
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025



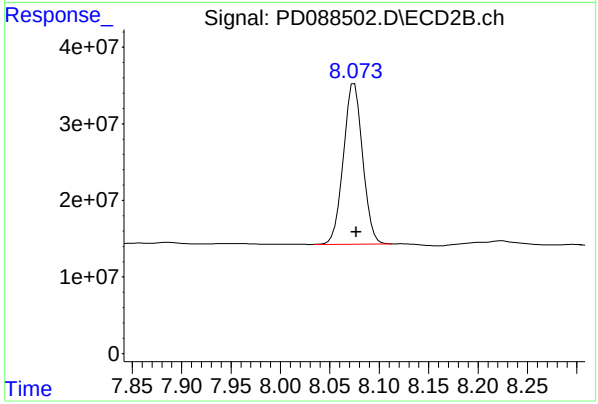
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 275360860
Conc: 18.83 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.001 min
Response: 58928727
Conc: 17.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.073 min
Delta R.T.: -0.004 min
Response: 283759445
Conc: 15.36 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088489.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 20:44
Operator : AR\AJ
Sample : Q1982-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-3

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 03:30:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.551	2.883	44277339	309.2E6	22.168	21.146
28)	SA Decachlor...	9.074	8.075	74870189	363.3E6	22.632	19.657
	Target Compounds						

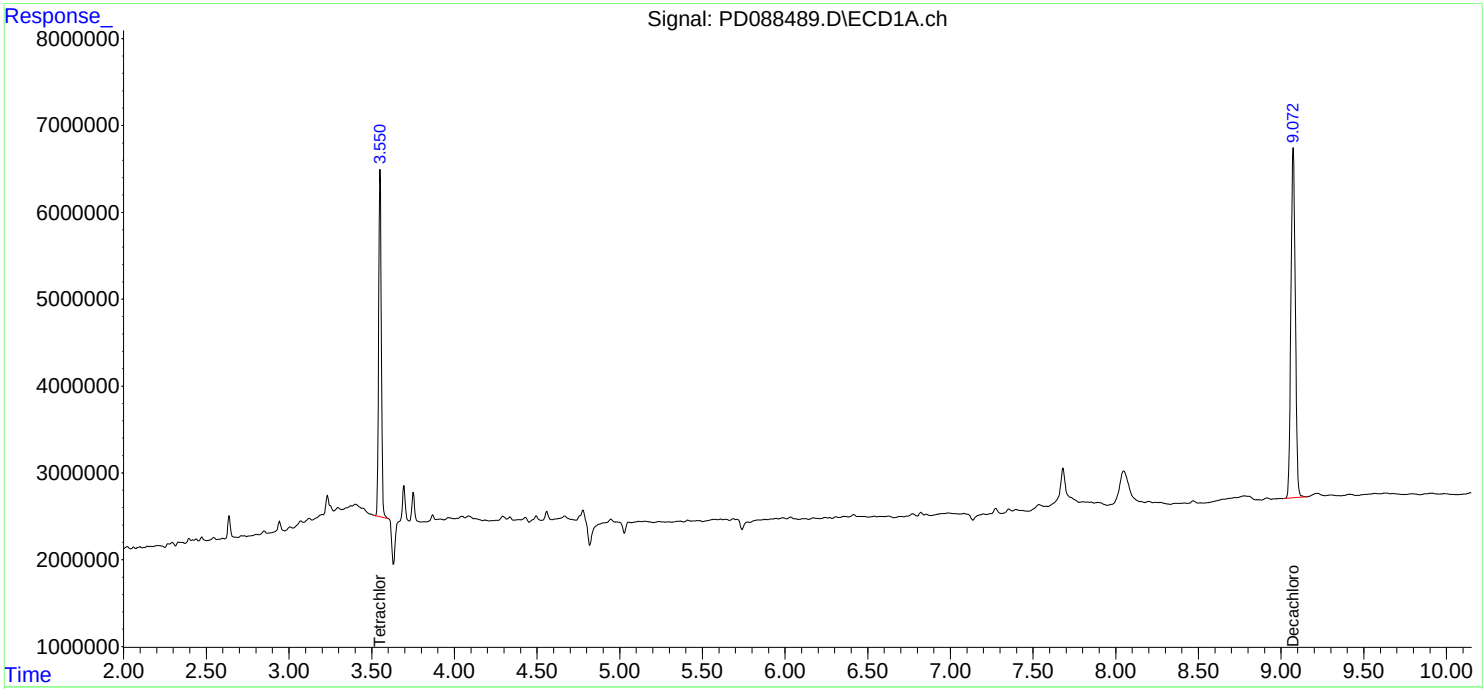
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

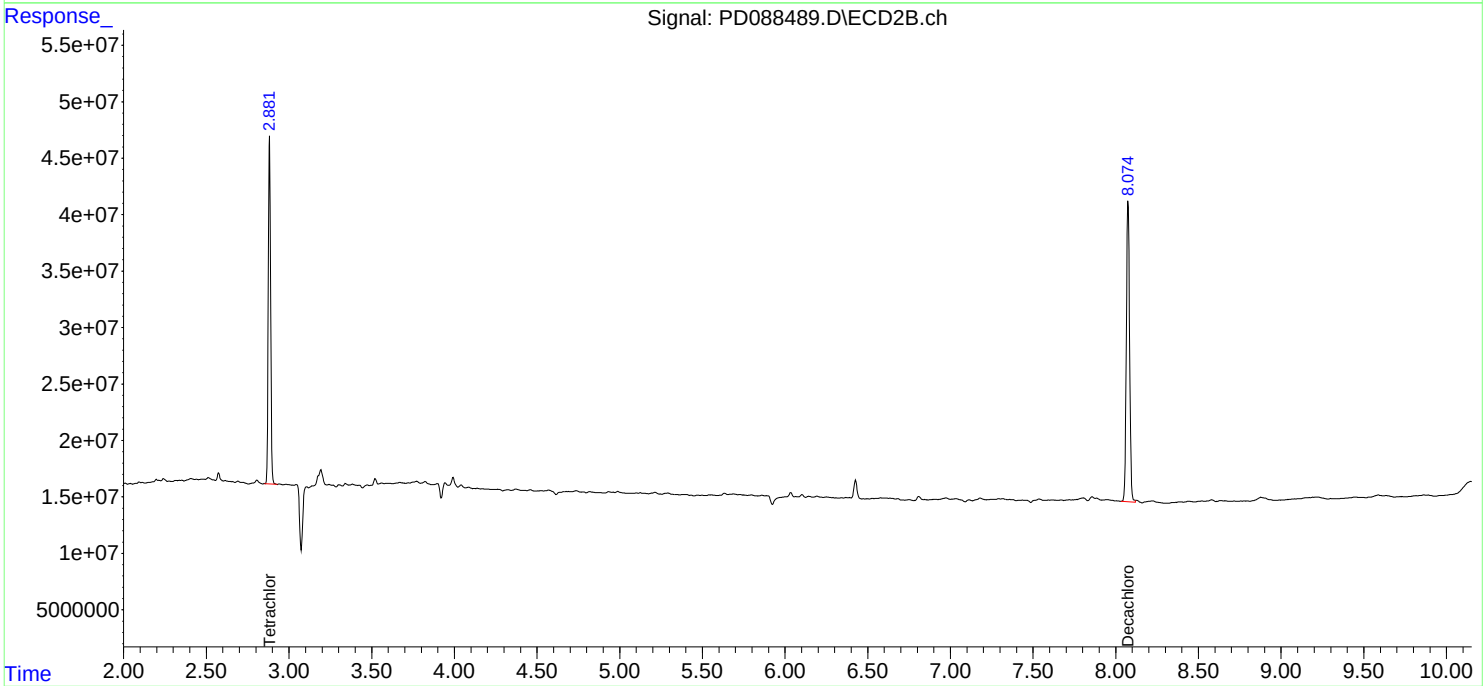
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088489.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 20:44
Operator : AR\AJ
Sample : Q1982-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

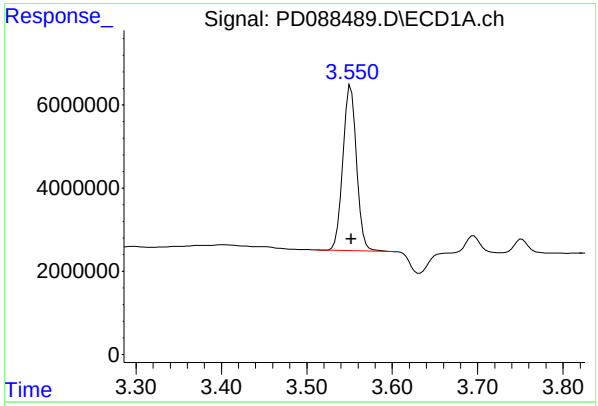
Instrument :
ECD_D
ClientSampleId :
TP-3

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 03:30:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



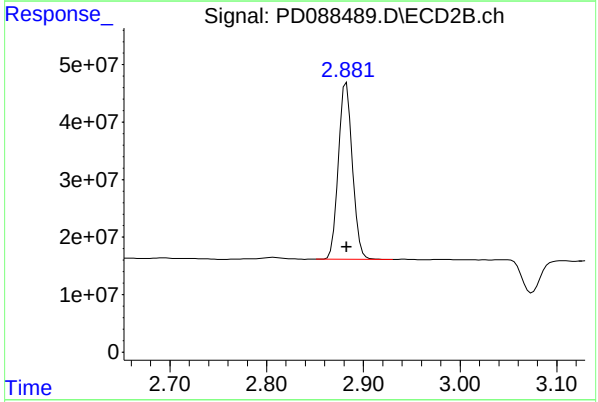




#1 Tetrachloro-m-xylene

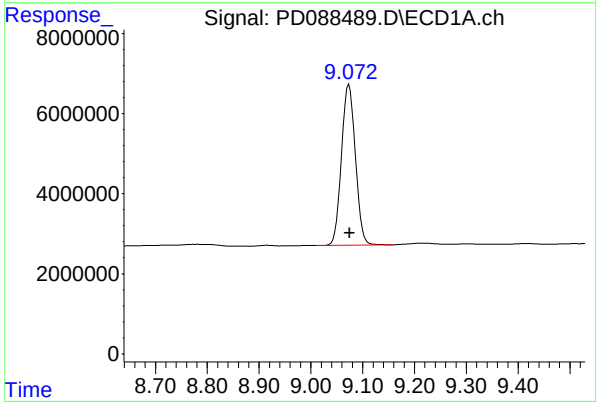
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 44277339
Conc: 22.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-3



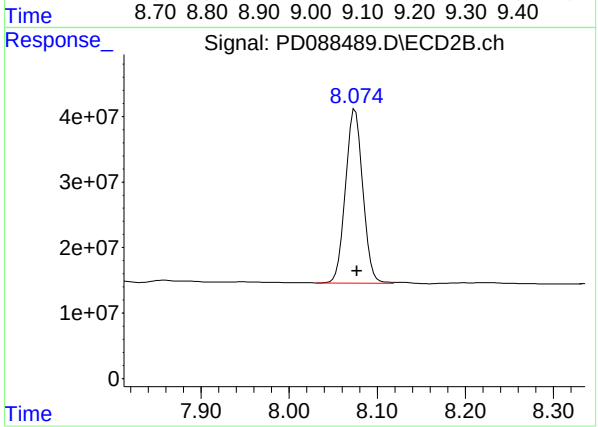
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 309191833
Conc: 21.15 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: -0.001 min
Response: 74870189
Conc: 22.63 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 363250538
Conc: 19.66 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088503.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 10:49
Operator : AR\AJ
Sample : Q1982-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-4

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/19/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 12:08:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.550	2.881	27959457	196.9E6	13.998m	13.466m
28)	SA Decachlor...	9.073	8.074	38700460	170.5E6	11.699	9.227
	Target Compounds						

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

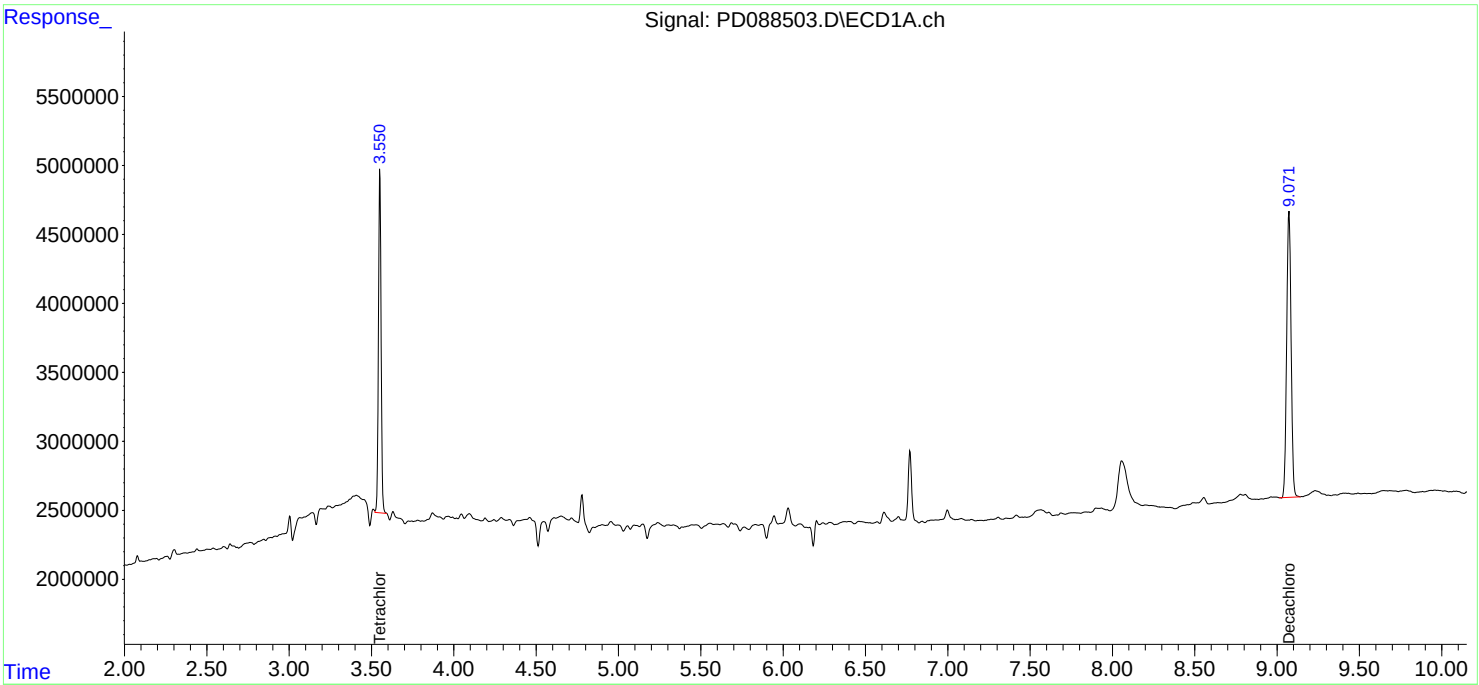
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088503.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 10:49
Operator : AR\AJ
Sample : Q1982-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

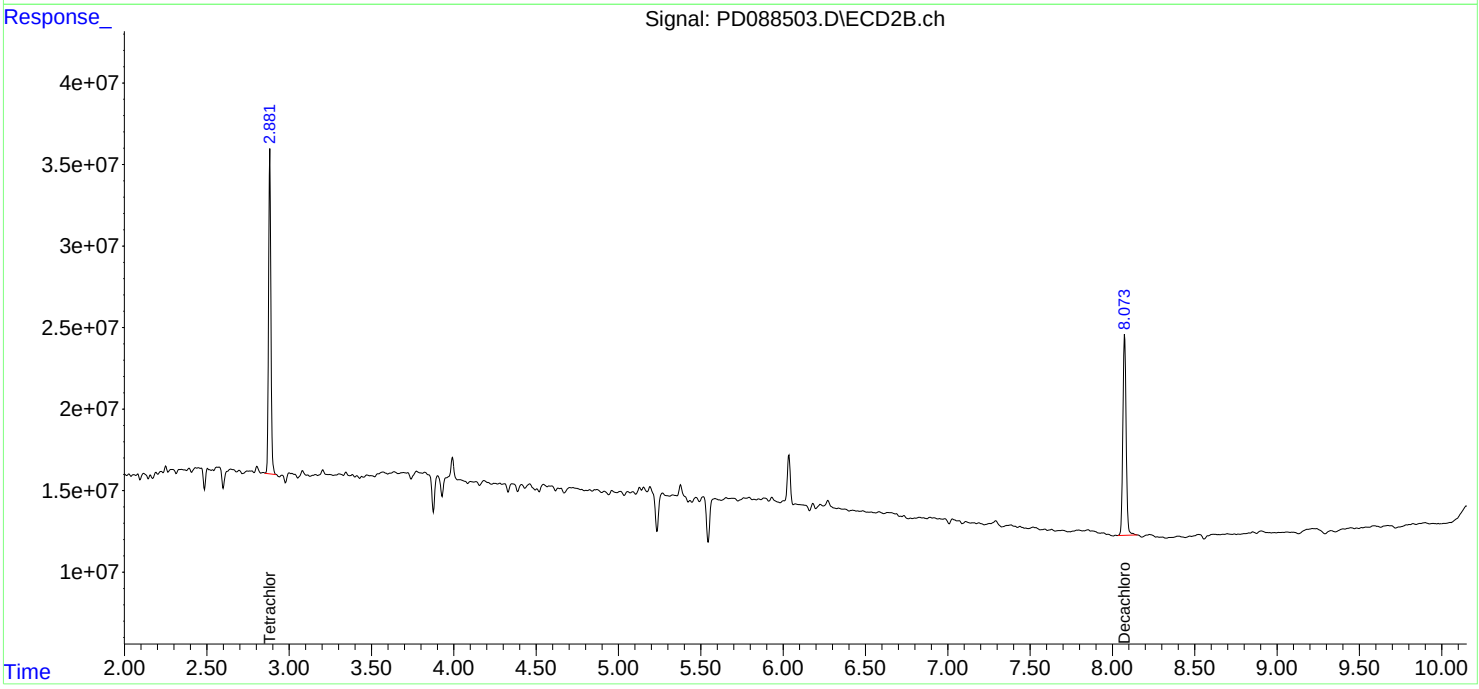
Instrument :
ECD_D
ClientSampleId :
TP-4

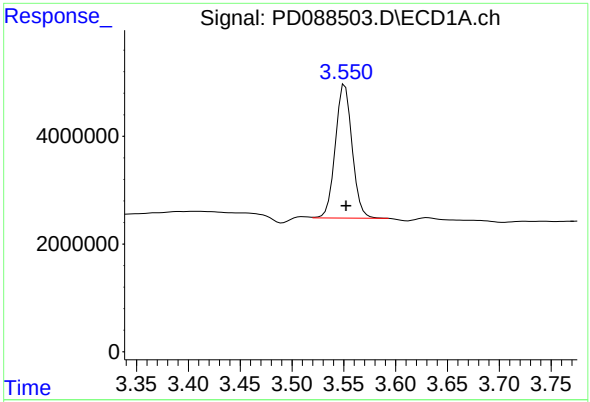
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/19/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 12:08:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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







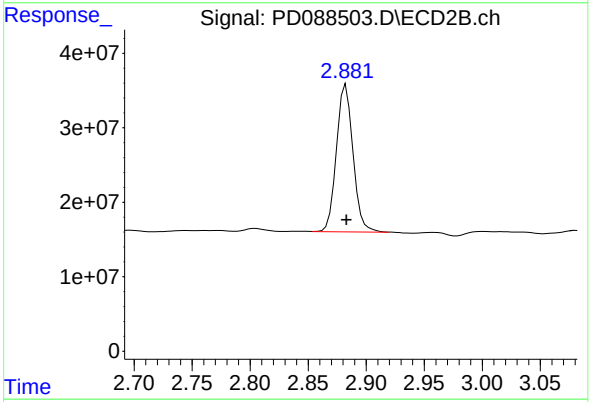
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: -0.002 min
Response: 27959457
Conc: 14.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-4

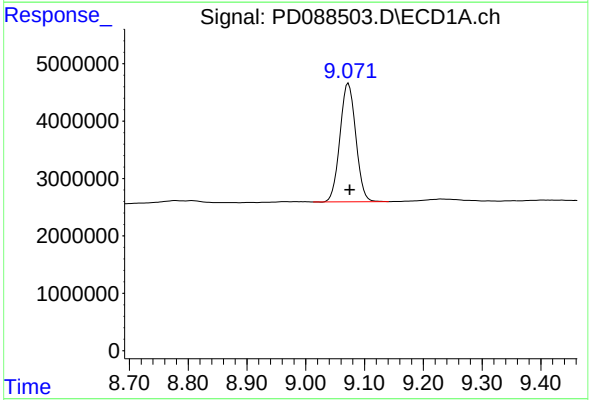
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/19/2025
Supervised By :mohammad ahmed 05/20/2025



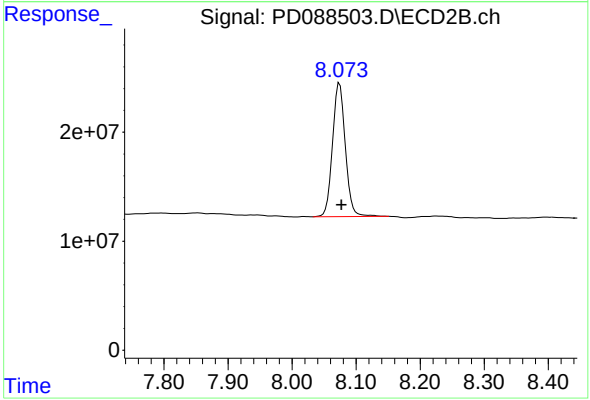
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: -0.002 min
Response: 196899379
Conc: 13.47 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.002 min
Response: 38700460
Conc: 11.70 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.003 min
Response: 170509928
Conc: 9.23 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088504.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 11:02
Operator : AR\AJ
Sample : Q1982-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-5

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 12:09:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.552	2.883	45562070	278.6E6	22.811	19.055
28)	SA Decachlor...	9.073	8.074	49000670	205.4E6	14.812	11.116
	Target Compounds						

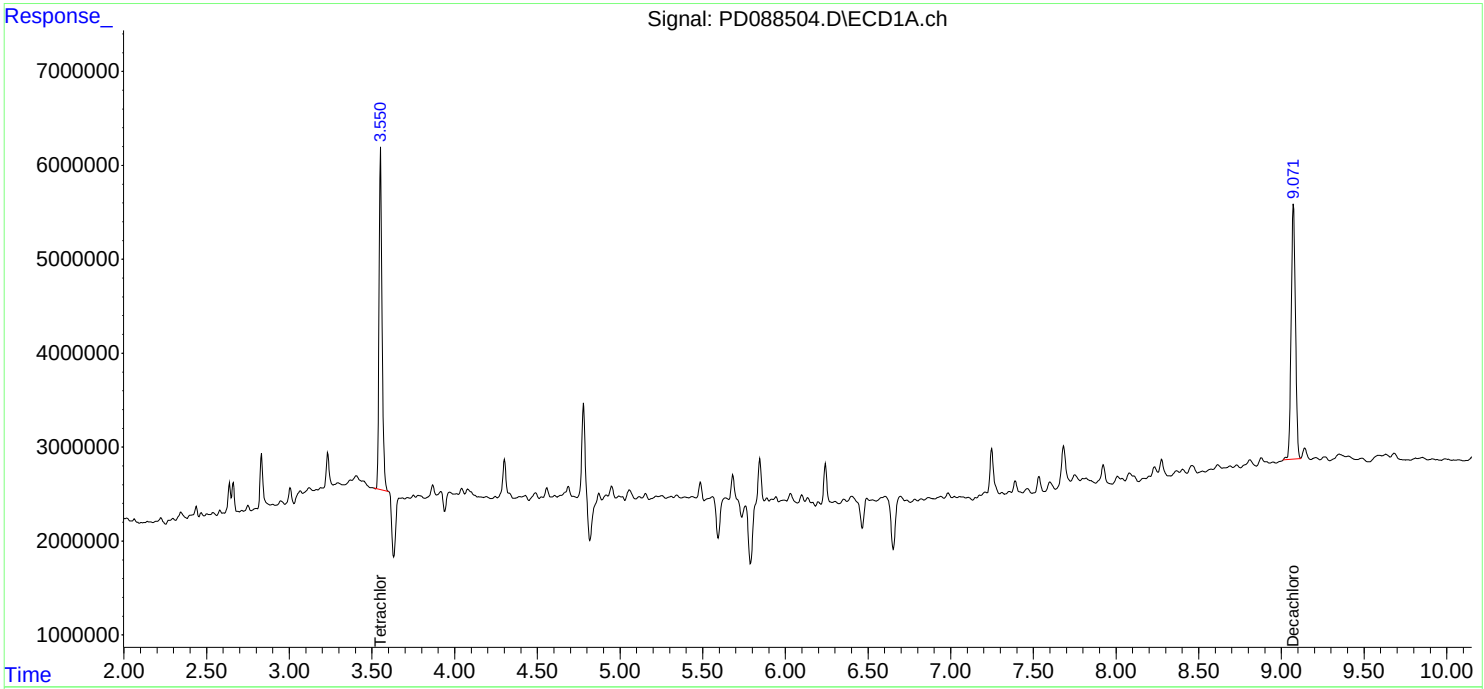
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

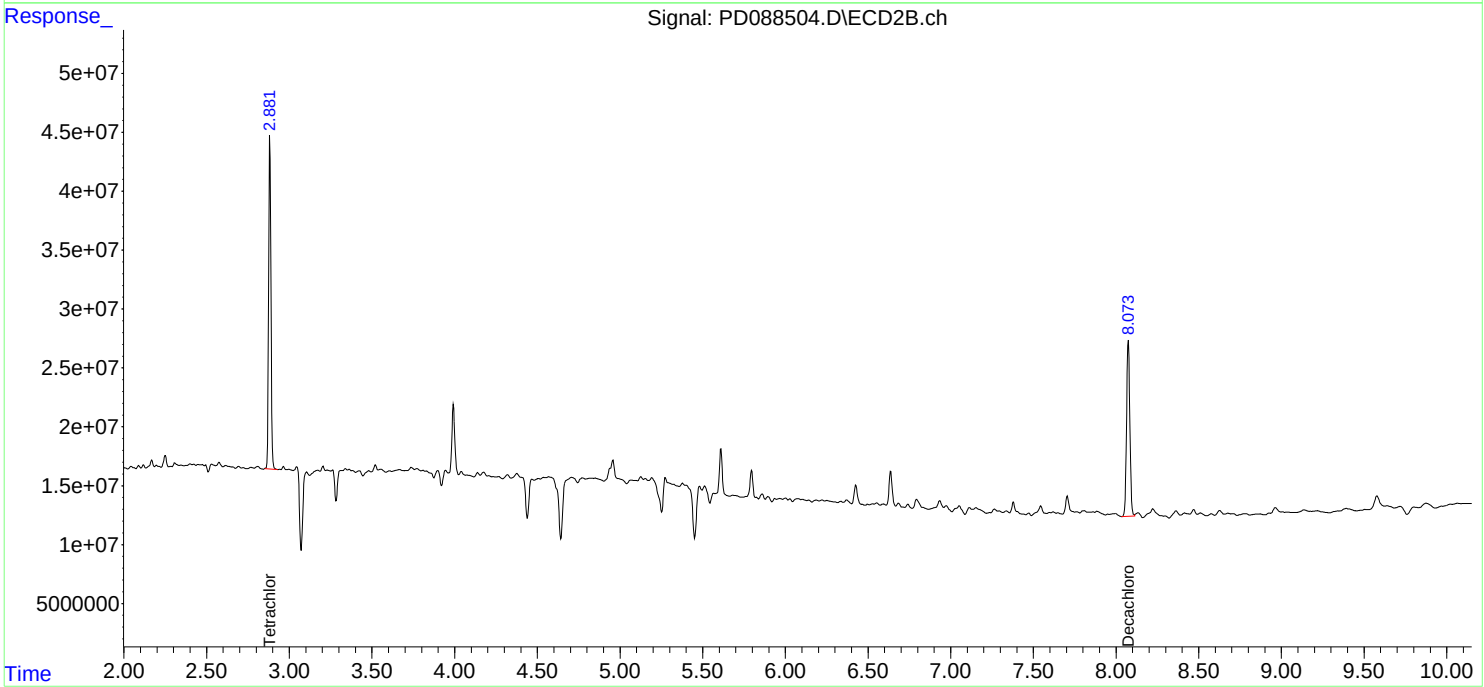
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088504.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 11:02
Operator : AR\AJ
Sample : Q1982-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

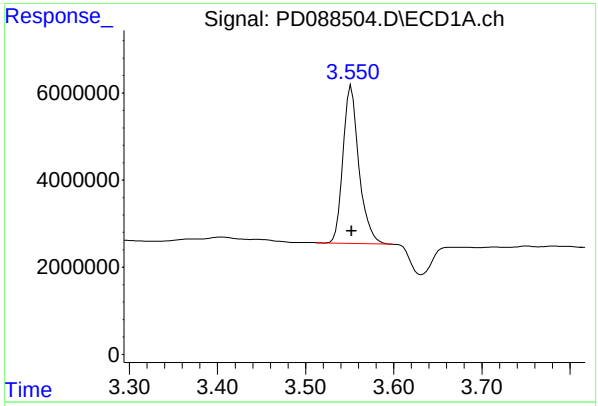
Instrument :
ECD_D
ClientSampleId :
TP-5

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 12:09:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



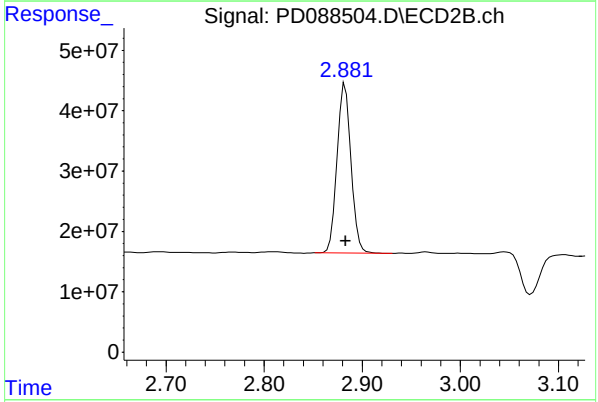




#1 Tetrachloro-m-xylene

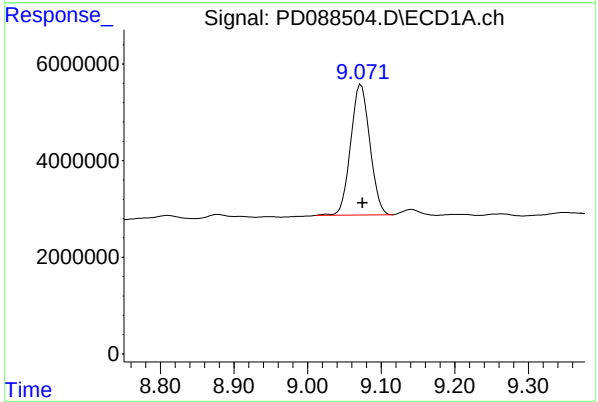
R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 45562070
Conc: 22.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5



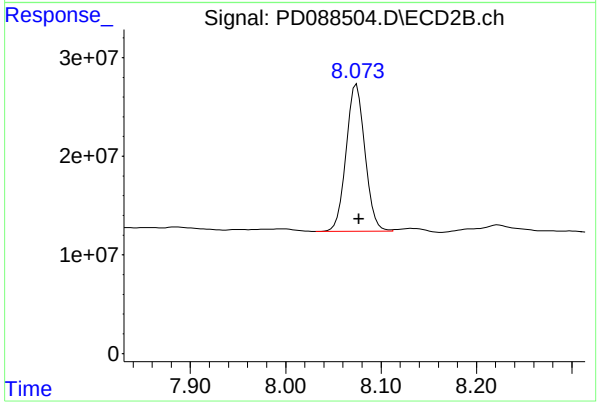
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 278608559
Conc: 19.05 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.002 min
Response: 49000670
Conc: 14.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.003 min
Response: 205419017
Conc: 11.12 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088492.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 21:25
Operator : AR\AJ
Sample : Q1982-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-6

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 03:30:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.550	2.883	41308726	290.7E6	20.681m	19.884
28)	SA Decachlor...	9.074	8.074	58363641	242.1E6	17.643	13.099 #
	Target Compounds						
6)	B beta-BHC	4.518	4.040	724859	4567239	0.447	0.494m

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

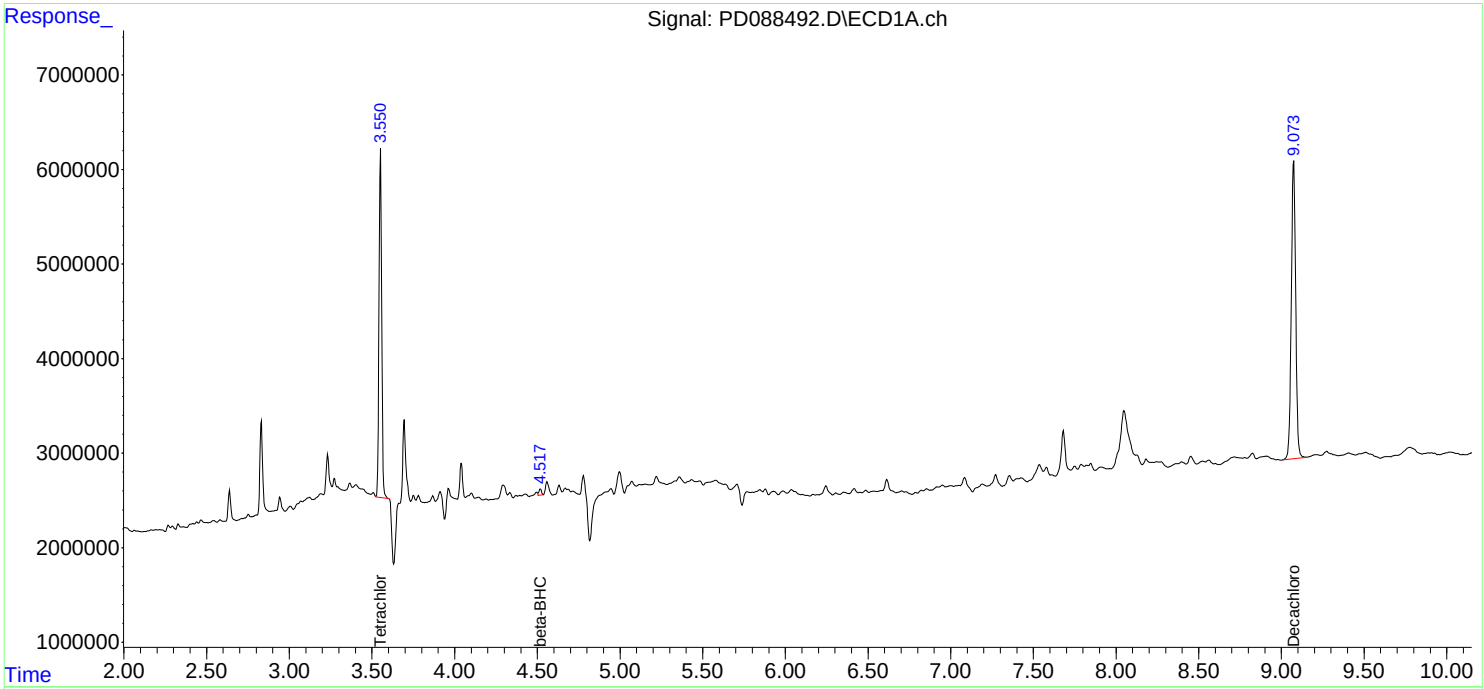
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088492.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 21:25
Operator : AR\AJ
Sample : Q1982-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

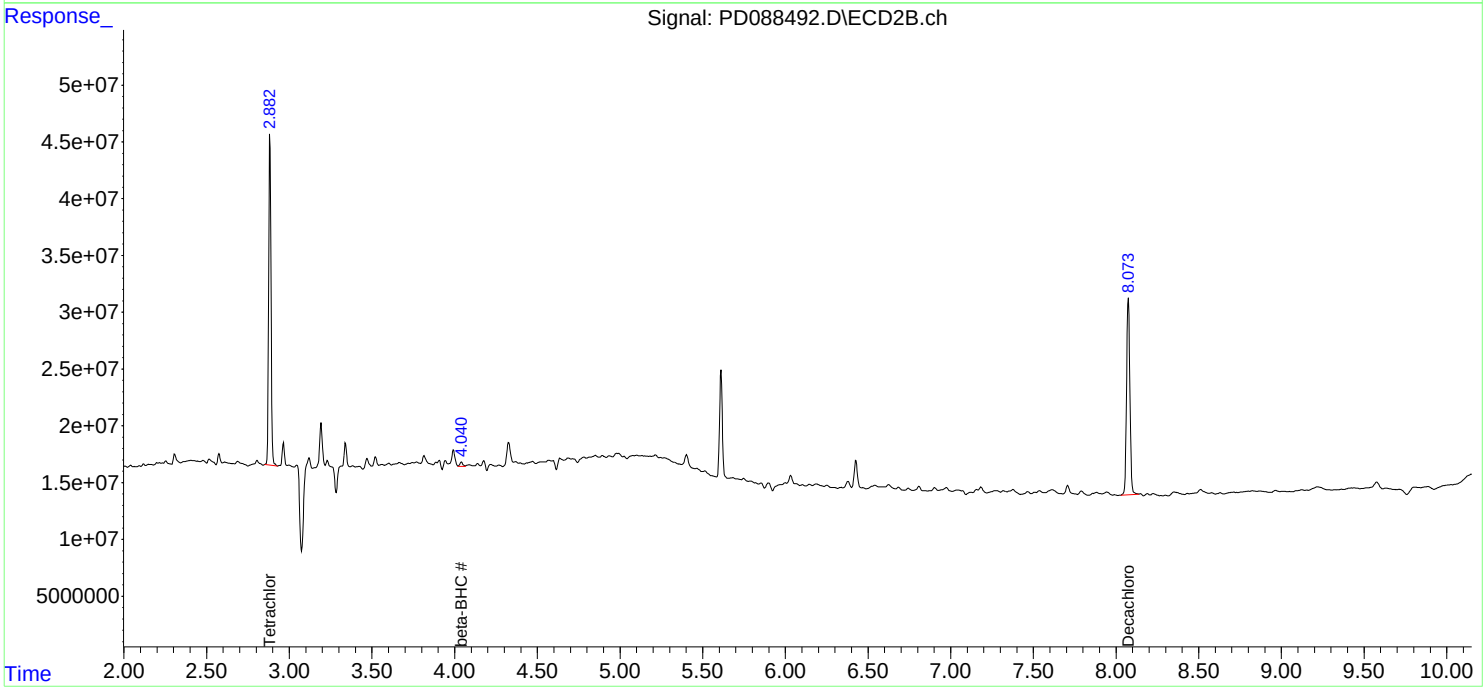
Instrument :
ECD_D
ClientSampleId :
TP-6

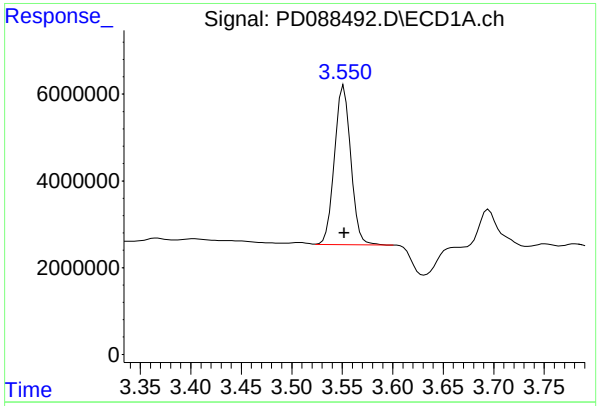
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 03:30:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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







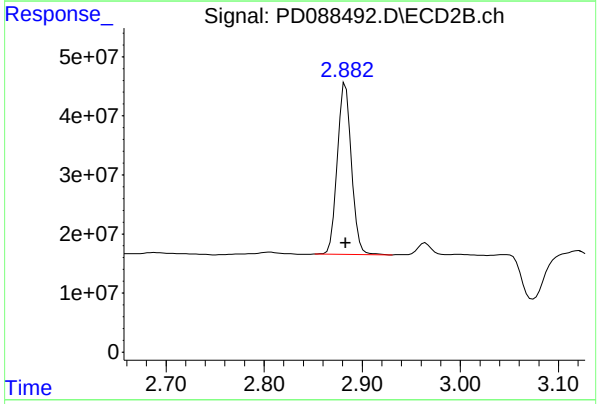
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: -0.002 mi
Response: 41308726
Conc: 20.68 ng/m

Instrument :
ECD_D
ClientSampleId :
TP-6

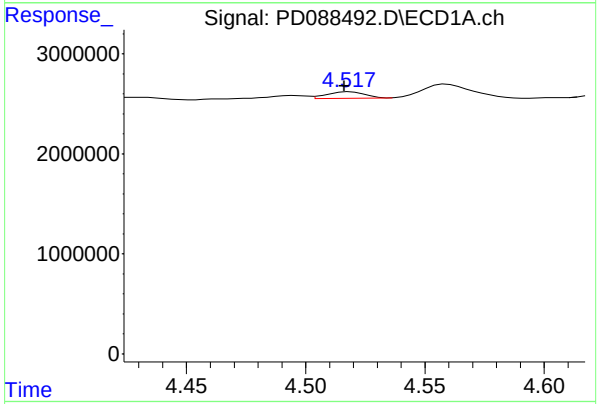
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



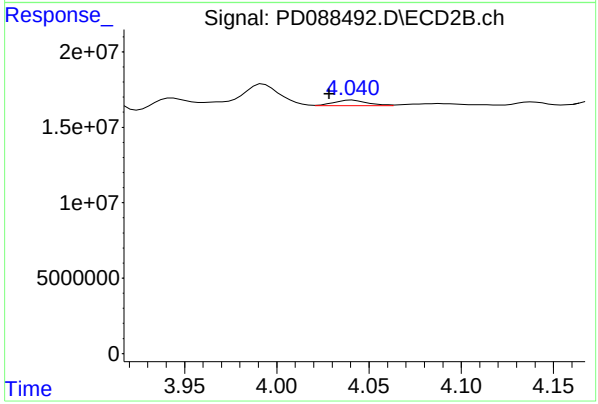
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 290738685
Conc: 19.88 ng/ml



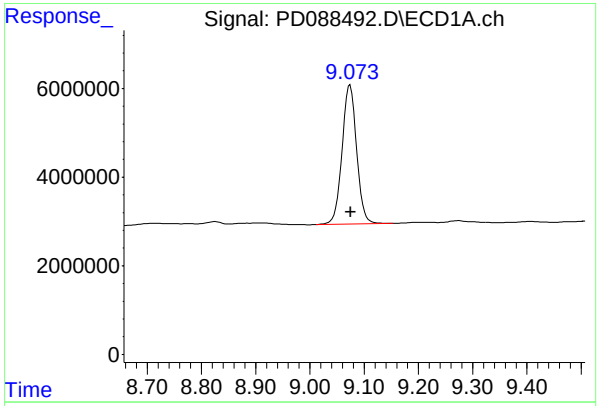
#6 beta-BHC

R.T.: 4.518 min
Delta R.T.: 0.002 min
Response: 724859
Conc: 0.45 ng/ml



#6 beta-BHC

R.T.: 4.040 min
Delta R.T.: 0.011 min
Response: 4567239
Conc: 0.49 ng/ml m



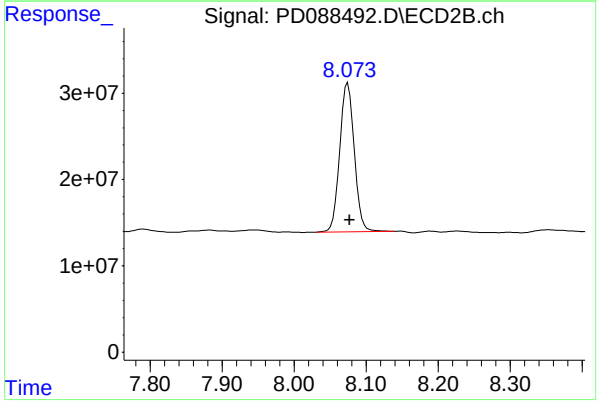
#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.000 min
Response: 58363641
Conc: 17.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-6

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.002 min
Response: 242068133
Conc: 13.10 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088505.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 11:16
Operator : AR\AJ
Sample : Q1982-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-8

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 12:09:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.552	2.883	40006546	277.1E6	20.029	18.950
28)	SA Decachlor...	9.073	8.074	57439512	242.3E6	17.363m	13.114
	Target Compounds						
10)	B gamma-Chl...	5.947	5.126	21194366	107.7E6	5.851	5.305m
11)	B alpha-Chl...	6.032	5.191	19981896	73550009	5.536	3.752m#

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

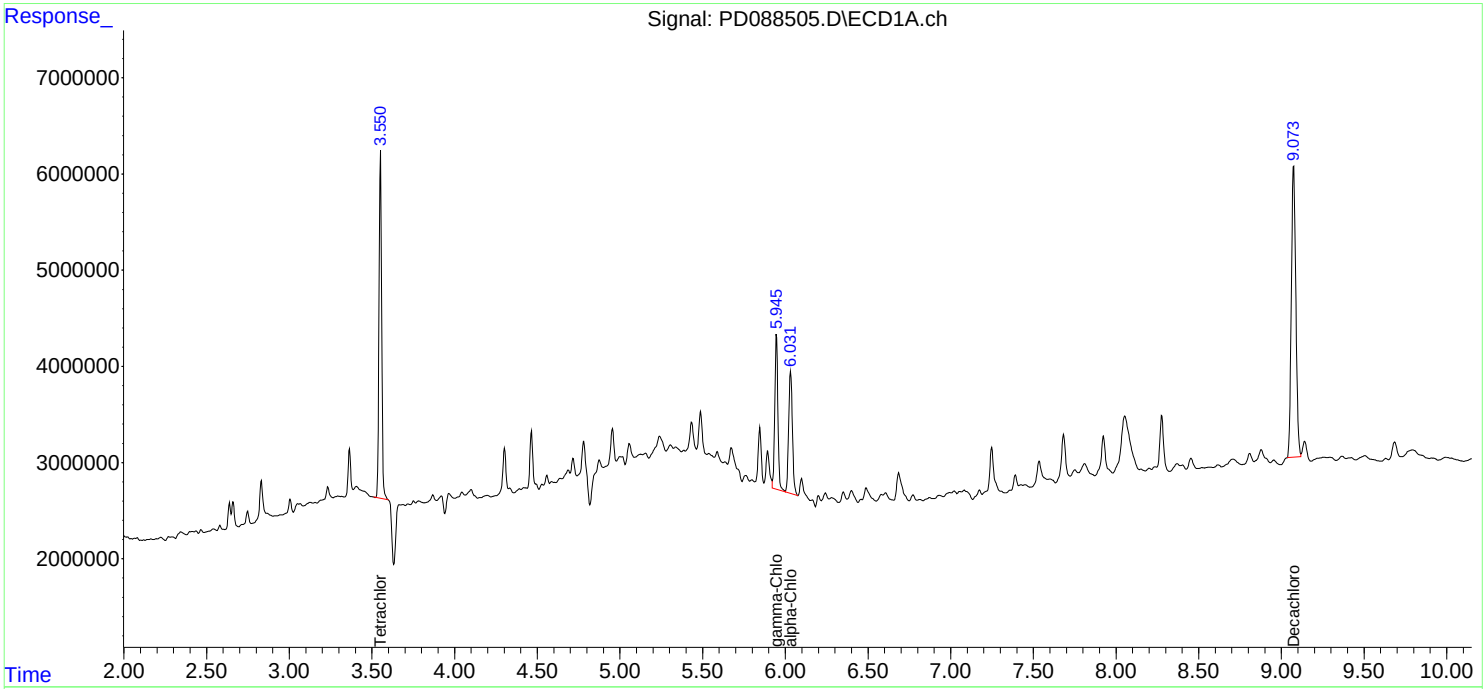
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088505.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 11:16
Operator : AR\AJ
Sample : Q1982-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

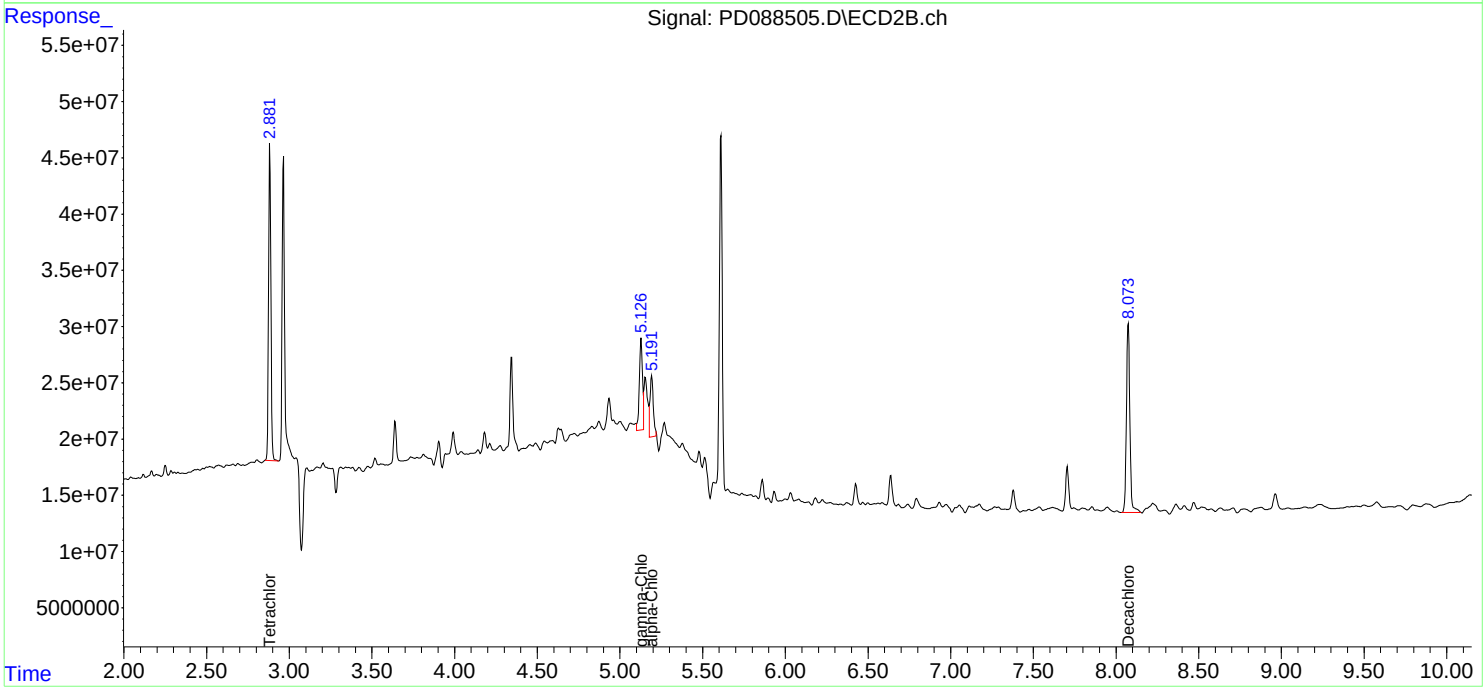
Instrument :
ECD_D
ClientSampleId :
TP-8

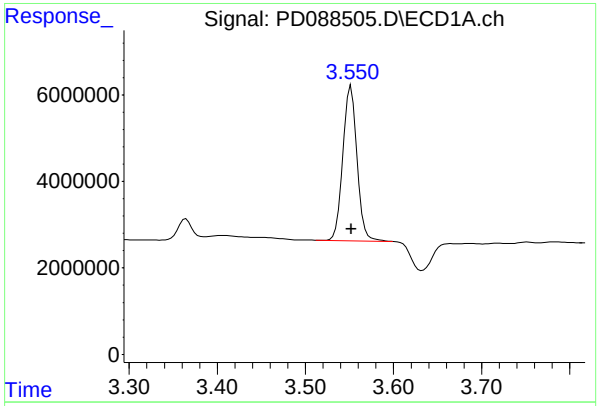
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 12:09:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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







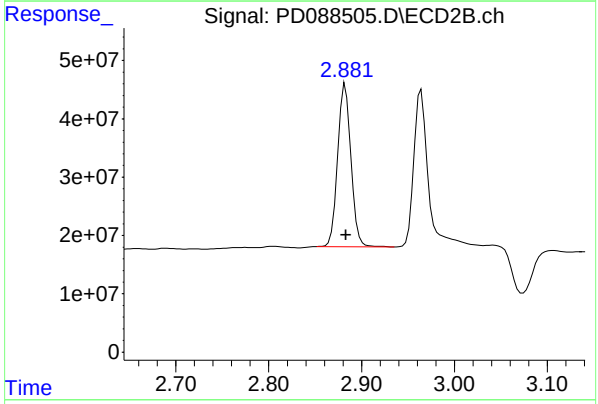
#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 40006546
Conc: 20.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-8

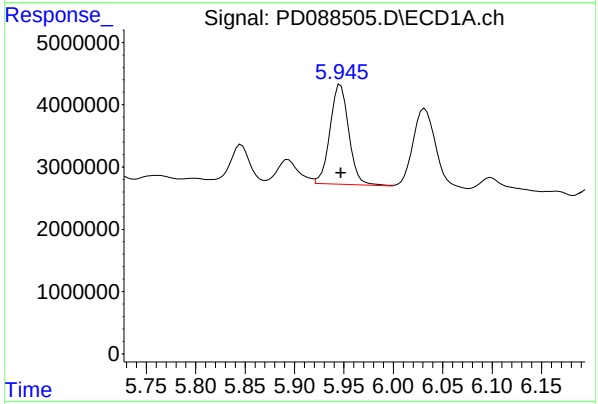
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025



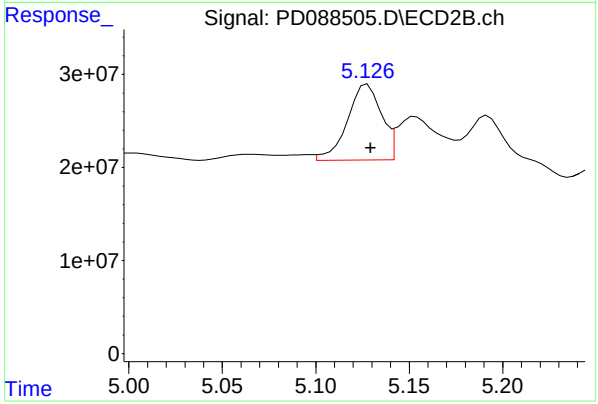
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 277072818
Conc: 18.95 ng/ml



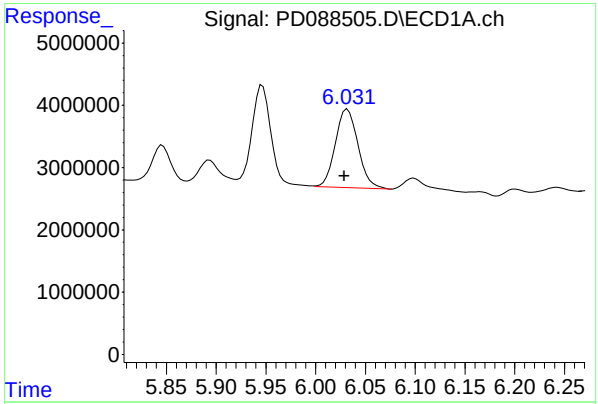
#10 gamma-Chlordane

R.T.: 5.947 min
Delta R.T.: 0.000 min
Response: 21194366
Conc: 5.85 ng/ml



#10 gamma-Chlordane

R.T.: 5.126 min
Delta R.T.: -0.003 min
Response: 107676326
Conc: 5.31 ng/ml m



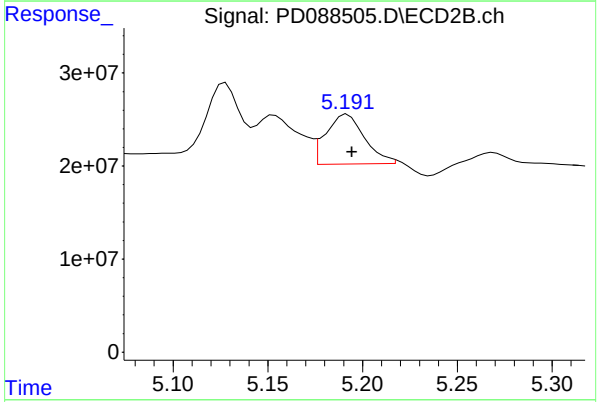
#11 alpha-Chlordane

R.T.: 6.032 min
Delta R.T.: 0.003 min
Response: 19981896
Conc: 5.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-8

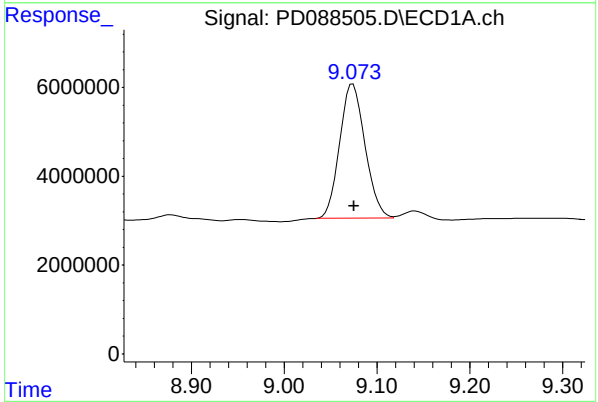
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025



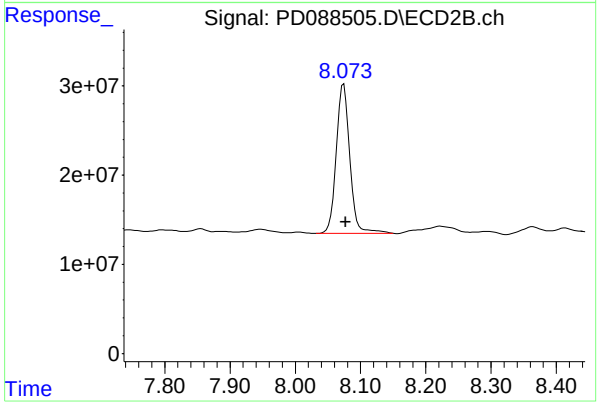
#11 alpha-Chlordane

R.T.: 5.191 min
Delta R.T.: -0.004 min
Response: 73550009
Conc: 3.75 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.002 min
Response: 57439512
Conc: 17.36 ng/ml m



#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.003 min
Response: 242342792
Conc: 13.11 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088527.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 17:29
Operator : AR\AJ
Sample : Q1982-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-9

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:45:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.552	2.883	40396811	277.0E6	20.225	18.946
28)	SA Decachlor...	9.073	8.072	66255526	278.5E6	20.028m	15.070m
	Target Compounds						
10)	B gamma-Chl...	5.945	5.126	17989199	90384046	4.967m	4.453m
11)	B alpha-Chl...	6.032	5.191	15300888	43388580	4.239	2.213m#
13)	MA Dieldrin	6.350	5.512	2651994	37587095	0.743m	1.886m#

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

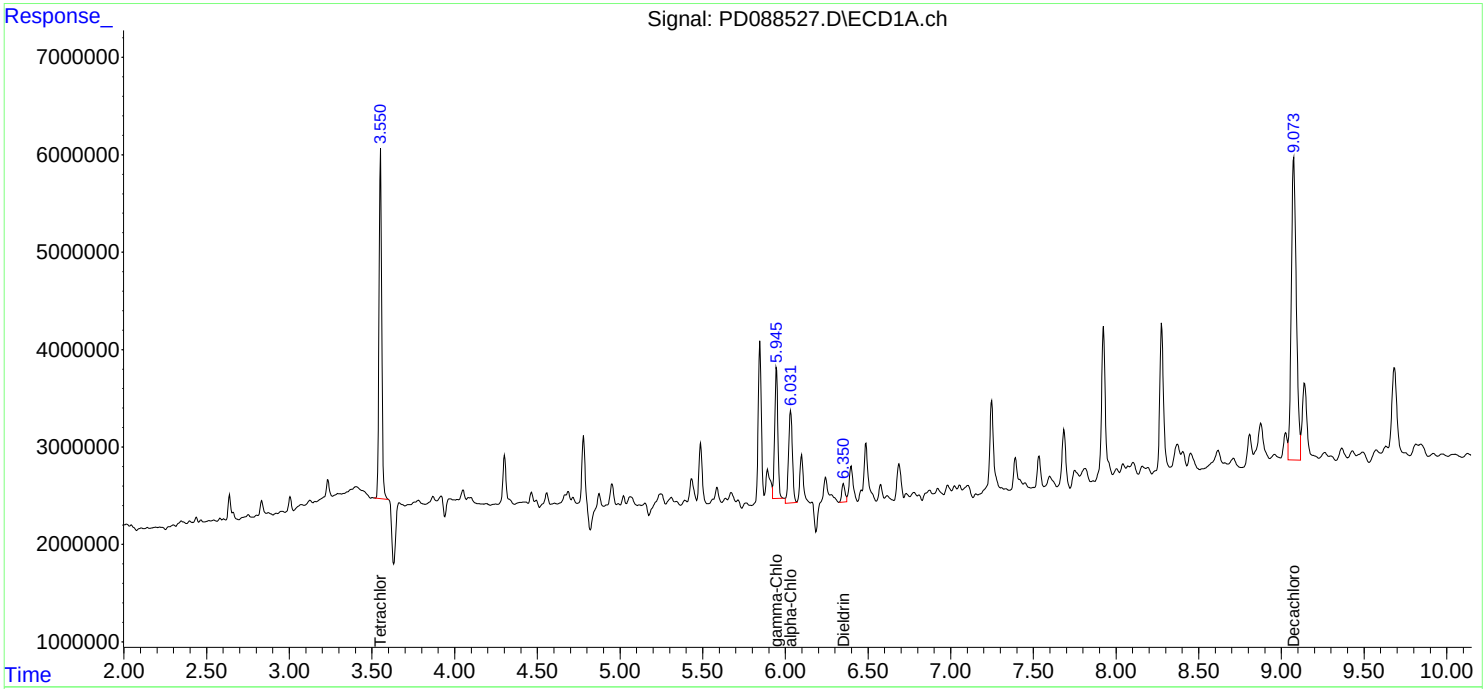
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088527.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 17:29
Operator : AR\AJ
Sample : Q1982-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

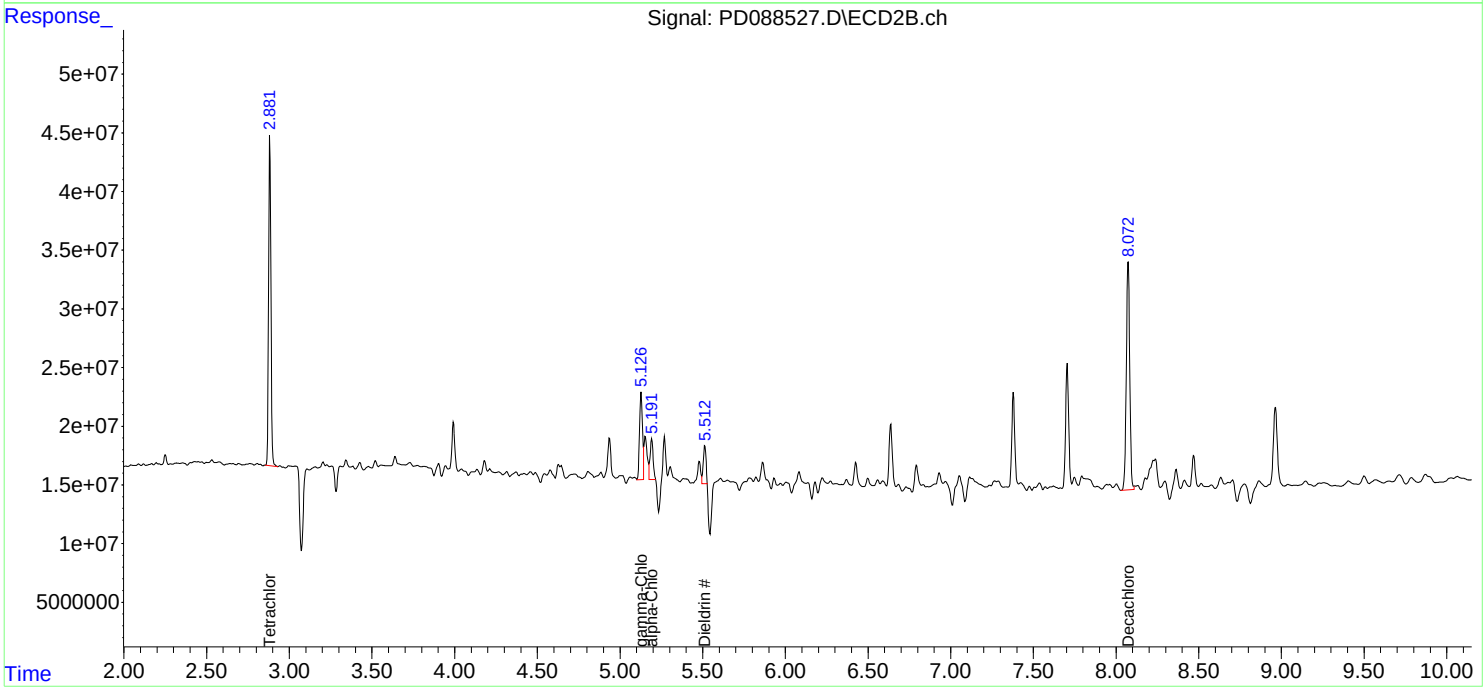
Instrument :
ECD_D
ClientSampleId :
TP-9

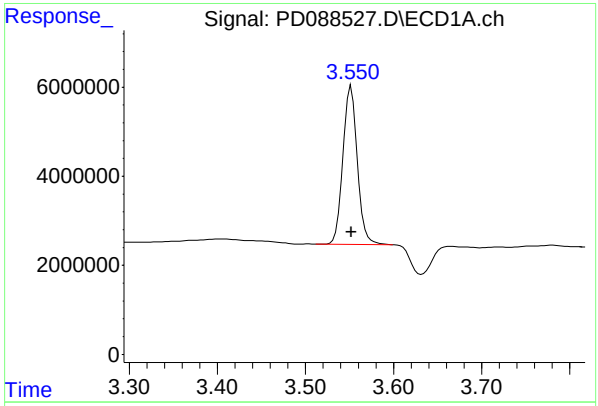
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:45:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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







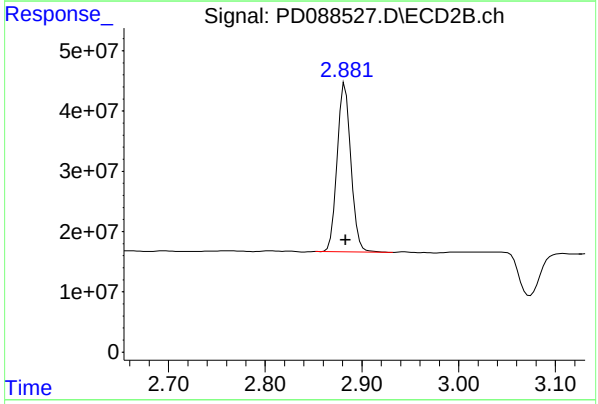
#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 40396811
Conc: 20.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-9

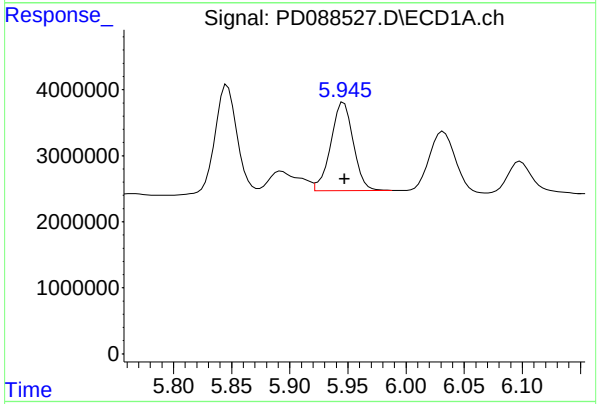
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025



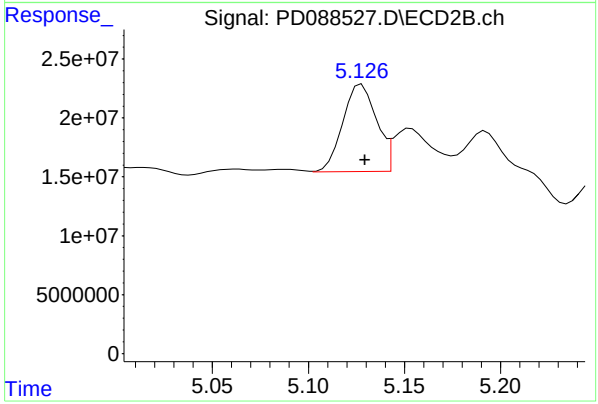
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 277026865
Conc: 18.95 ng/ml



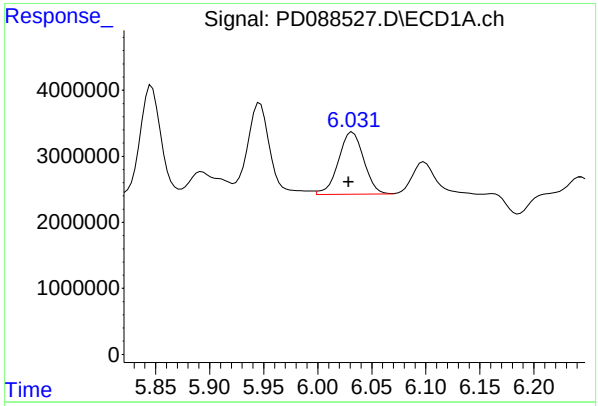
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: -0.002 min
Response: 17989199
Conc: 4.97 ng/ml m



#10 gamma-Chlordane

R.T.: 5.126 min
Delta R.T.: -0.003 min
Response: 90384046
Conc: 4.45 ng/ml m



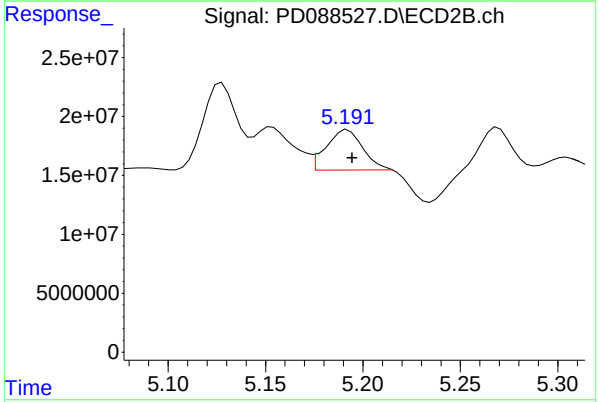
#11 alpha-Chlordane

R.T.: 6.032 min
Delta R.T.: 0.004 min
Response: 15300888
Conc: 4.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-9

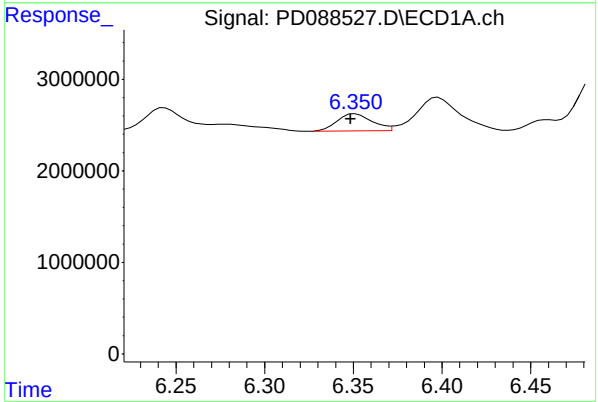
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025



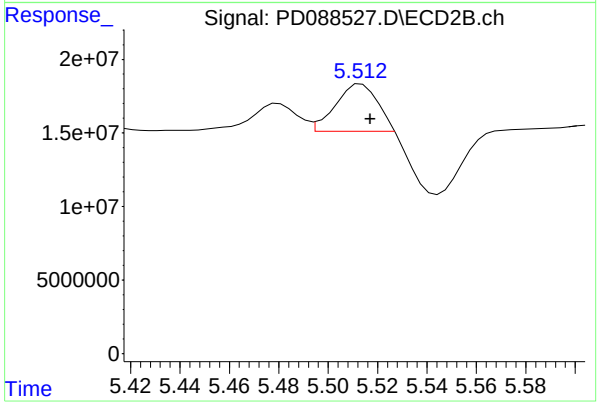
#11 alpha-Chlordane

R.T.: 5.191 min
Delta R.T.: -0.004 min
Response: 43388580
Conc: 2.21 ng/ml m



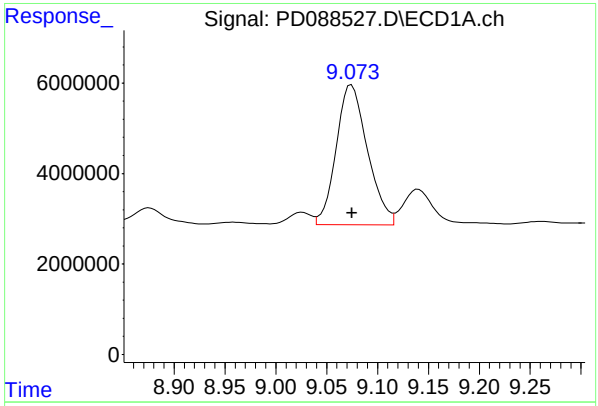
#13 Dieldrin

R.T.: 6.350 min
Delta R.T.: 0.001 min
Response: 2651994
Conc: 0.74 ng/ml m



#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: -0.005 min
Response: 37587095
Conc: 1.89 ng/ml m



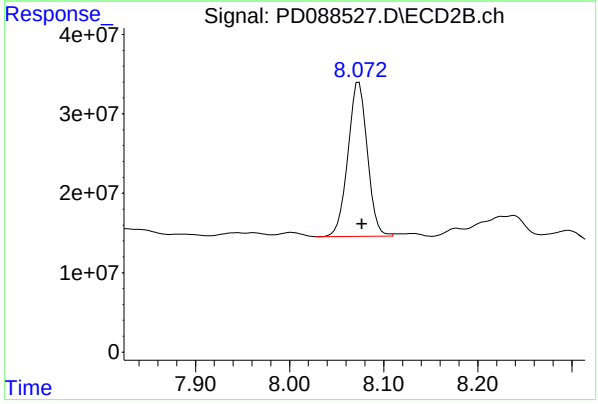
#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.002 mi
Response: 66255526
Conc: 20.03 ng/m

Instrument :
ECD_D
ClientSampleId :
TP-9

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: -0.005 min
Response: 278493463
Conc: 15.07 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088465.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 15:16
Operator : AR\AJ
Sample : PB167950BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167950BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 03:25:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.558	2.880	37026533	267.0E6	18.537	18.263
28)	SA Decachlor...	9.083	8.076	69899990	349.2E6	21.130	18.898
	Target Compounds						

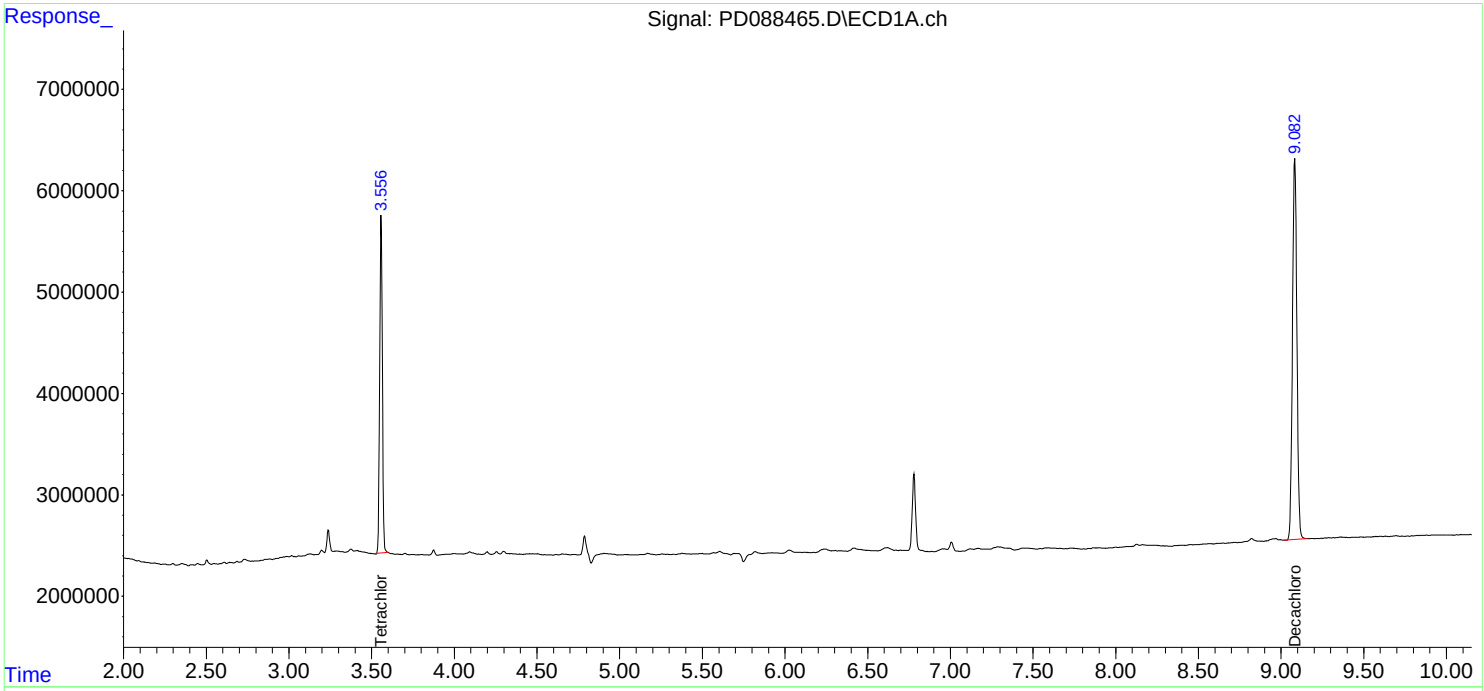
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

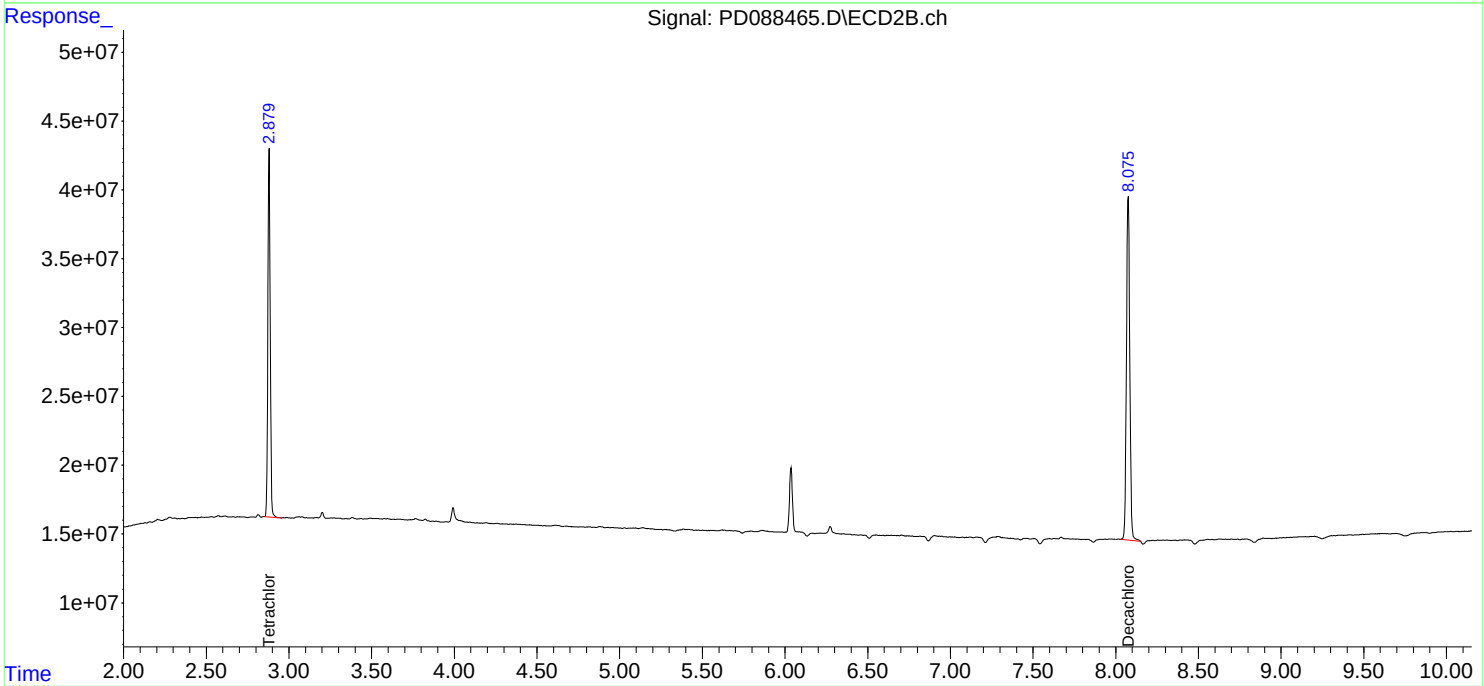
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088465.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 15:16
Operator : AR\AJ
Sample : PB167950BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

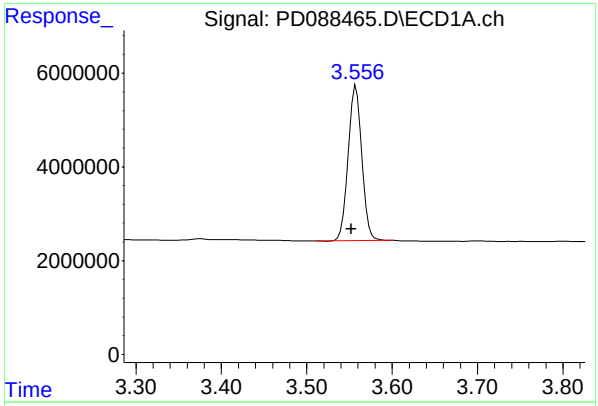
Instrument :
ECD_D
ClientSampleId :
PB167950BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 03:25:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



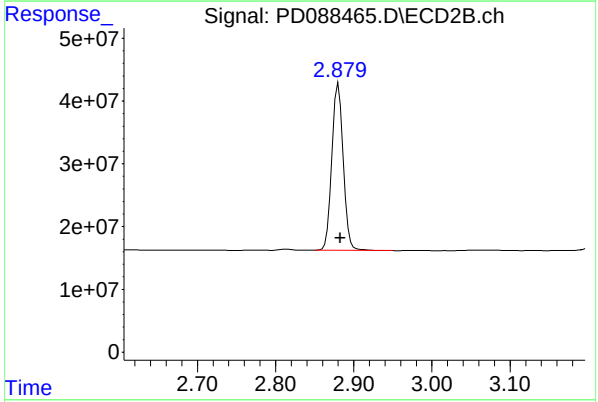




#1 Tetrachloro-m-xylene

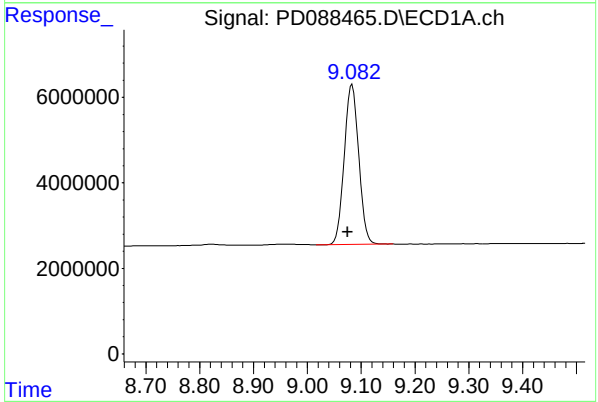
R.T.: 3.558 min
Delta R.T.: 0.006 min
Response: 37026533
Conc: 18.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167950BL



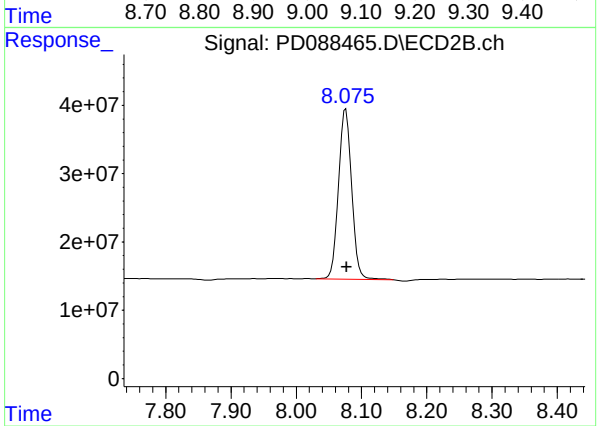
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.003 min
Response: 267029483
Conc: 18.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.083 min
Delta R.T.: 0.008 min
Response: 69899990
Conc: 21.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 349219965
Conc: 18.90 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088525.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 17:02
Operator : AR\AJ
Sample : PB167959BL
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167959BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:44:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.551	2.882	38568145	279.6E6	19.309	19.124
28)	SA Decachlor...	9.073	8.074	66384067	333.5E6	20.067	18.048
	Target Compounds						

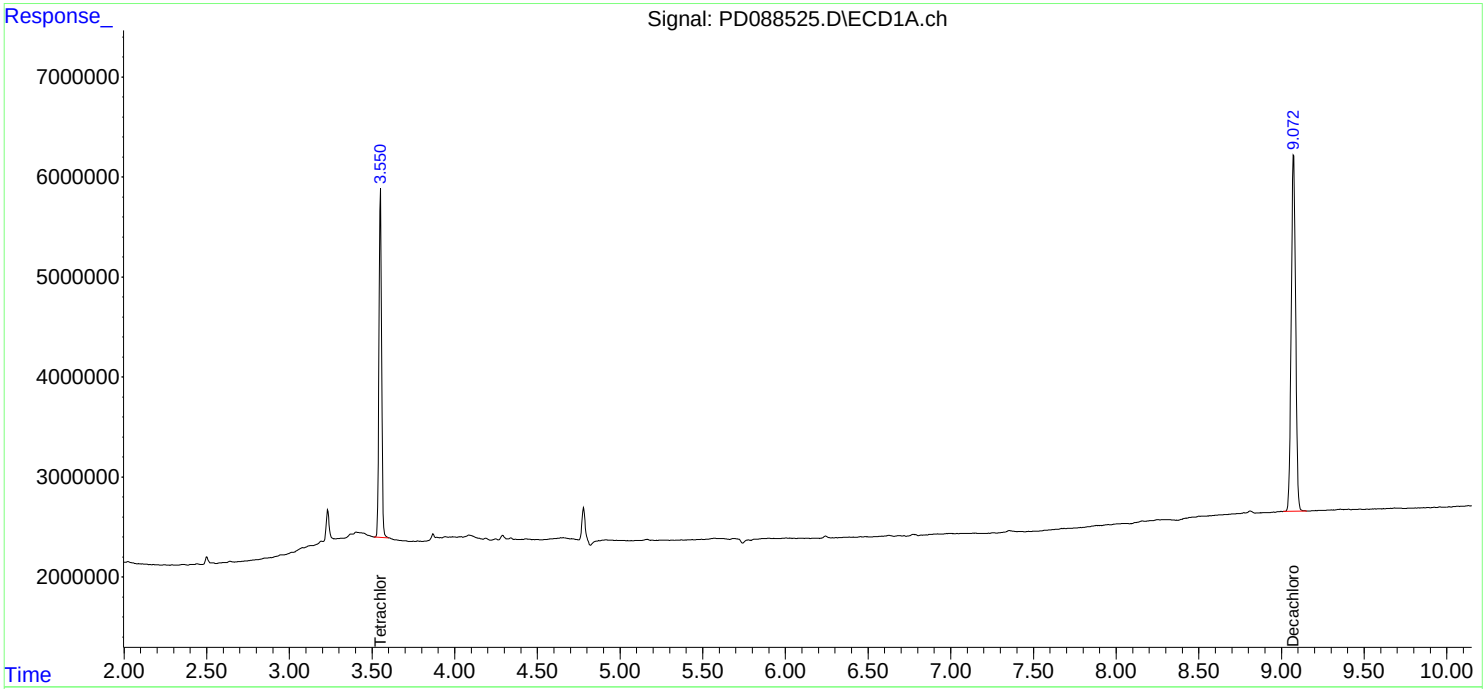
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

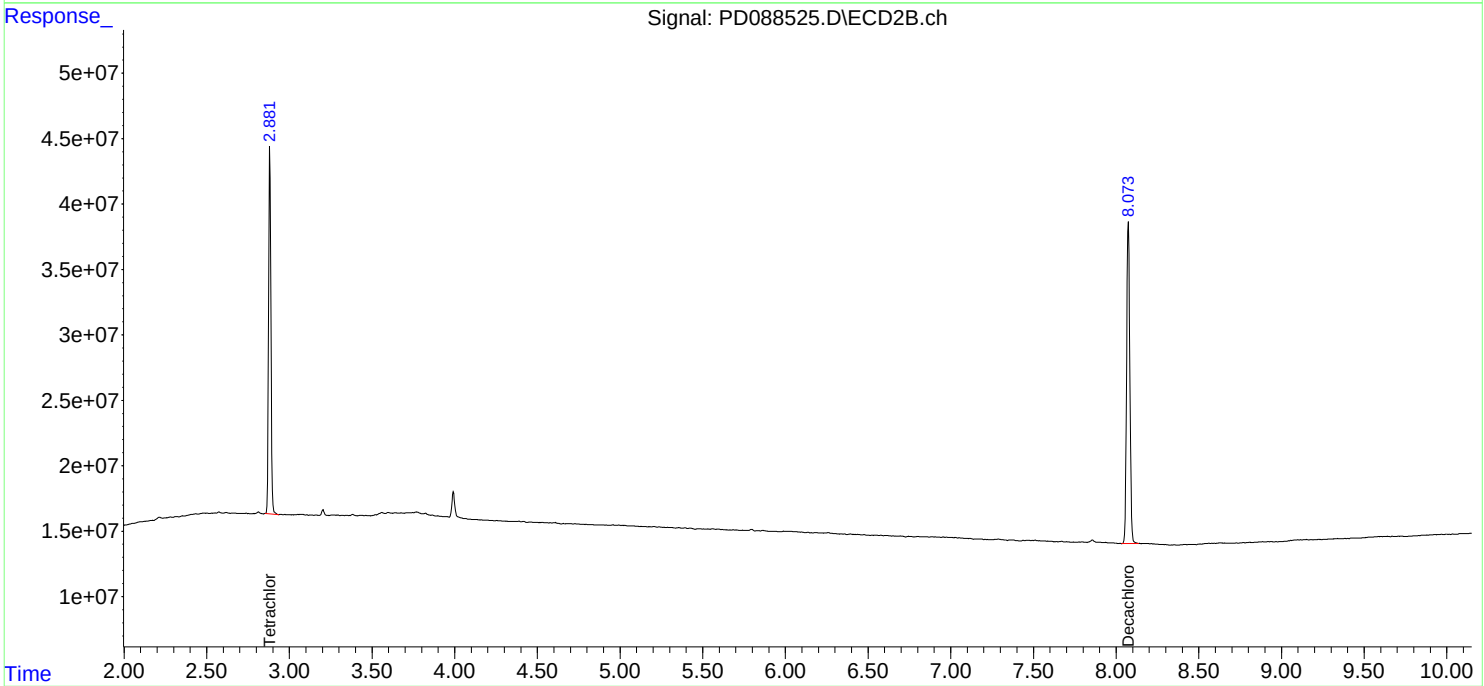
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088525.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 17:02
Operator : AR\AJ
Sample : PB167959BL
Misc :
ALS Vial : 26 Sample Multiplier: 1

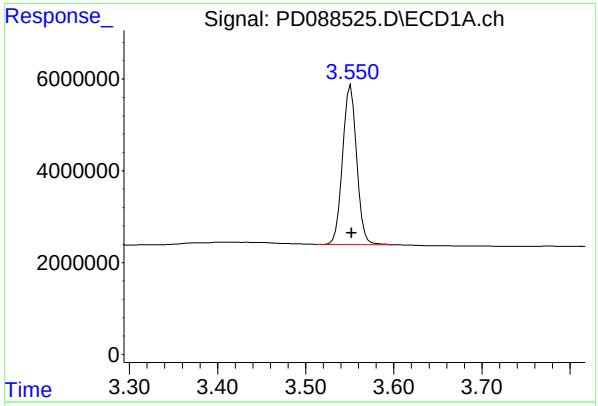
Instrument :
ECD_D
ClientSampleId :
PB167959BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:44:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



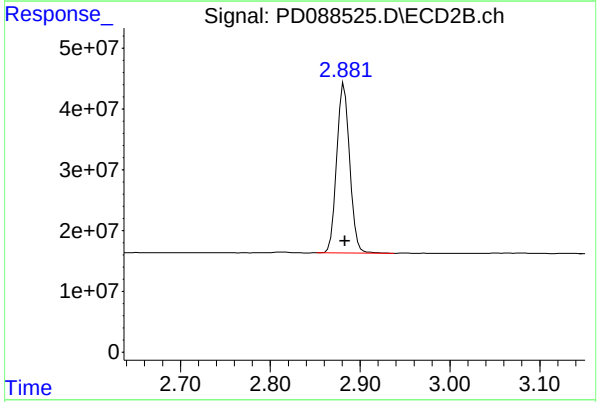




#1 Tetrachloro-m-xylene

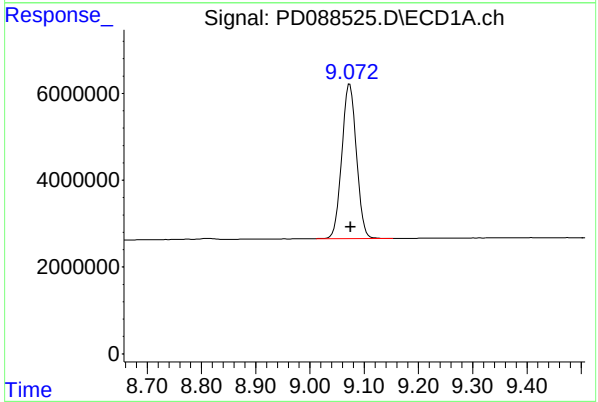
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 38568145
Conc: 19.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167959BL



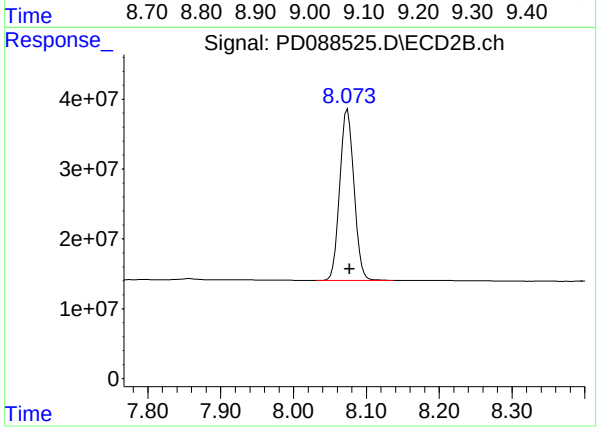
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 279618872
Conc: 19.12 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.002 min
Response: 66384067
Conc: 20.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.003 min
Response: 333511091
Conc: 18.05 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088466.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 15:30
Operator : AR\AJ
Sample : PB167950BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167950BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 03:25:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.550	2.881	37630836	279.3E6	18.840	19.099
28)	SA	Decachlor...	9.075	8.074	71568553	356.5E6	21.634	19.292
		Target Compounds						
2)	A	alpha-BHC	4.000	3.393	211.6E6	1038.1E6	49.062	45.408
3)	MA	gamma-BHC...	4.331	3.730	203.9E6	969.0E6	48.695	44.989
4)	MA	Heptachlor	4.930	4.083	206.4E6	958.3E6	51.091	44.782
5)	MB	Aldrin	5.272	4.370	199.6E6	954.4E6	50.545	45.876
6)	B	beta-BHC	4.515	4.026	78688851	427.4E6	48.472	46.189
7)	B	delta-BHC	4.764	4.263	207.7E6	973.8E6	50.341	45.800
8)	B	Heptachlo...	5.692	4.873	180.6E6	861.4E6	50.525	45.593
9)	A	Endosulfan I	6.075	5.248	172.9E6	828.7E6	51.212	46.009
10)	B	gamma-Chl...	5.947	5.126	183.4E6	927.9E6	50.622	45.716
11)	B	alpha-Chl...	6.028	5.191	183.5E6	895.5E6	50.830	45.683
12)	B	4,4'-DDE	6.197	5.376	166.7E6	900.2E6	50.544	45.708
13)	MA	Dieldrin	6.348	5.513	185.5E6	908.5E6	51.980	45.580
14)	MA	Endrin	6.575	5.790	152.8E6	808.7E6	51.226	44.430
15)	B	Endosulfa...	6.787	6.081	157.4E6	796.2E6	50.342	45.442
16)	A	4,4'-DDD	6.706	5.930	129.5E6	747.8E6	51.475	45.638
17)	MA	4,4'-DDT	7.022	6.185	145.3E6	781.4E6	52.315	45.918
18)	B	Endrin al...	6.915	6.260	117.1E6	594.9E6	50.741	44.724
19)	B	Endosulfa...	7.150	6.483	148.9E6	771.9E6	51.768	45.051
20)	A	Methoxychlor	7.494	6.755	76451167	391.6E6	50.983	42.934
21)	B	Endrin ke...	7.631	6.992	160.6E6	850.9E6	52.046	45.491
22)		Mirex	8.115	7.186	118.8E6	657.1E6	50.572	44.336

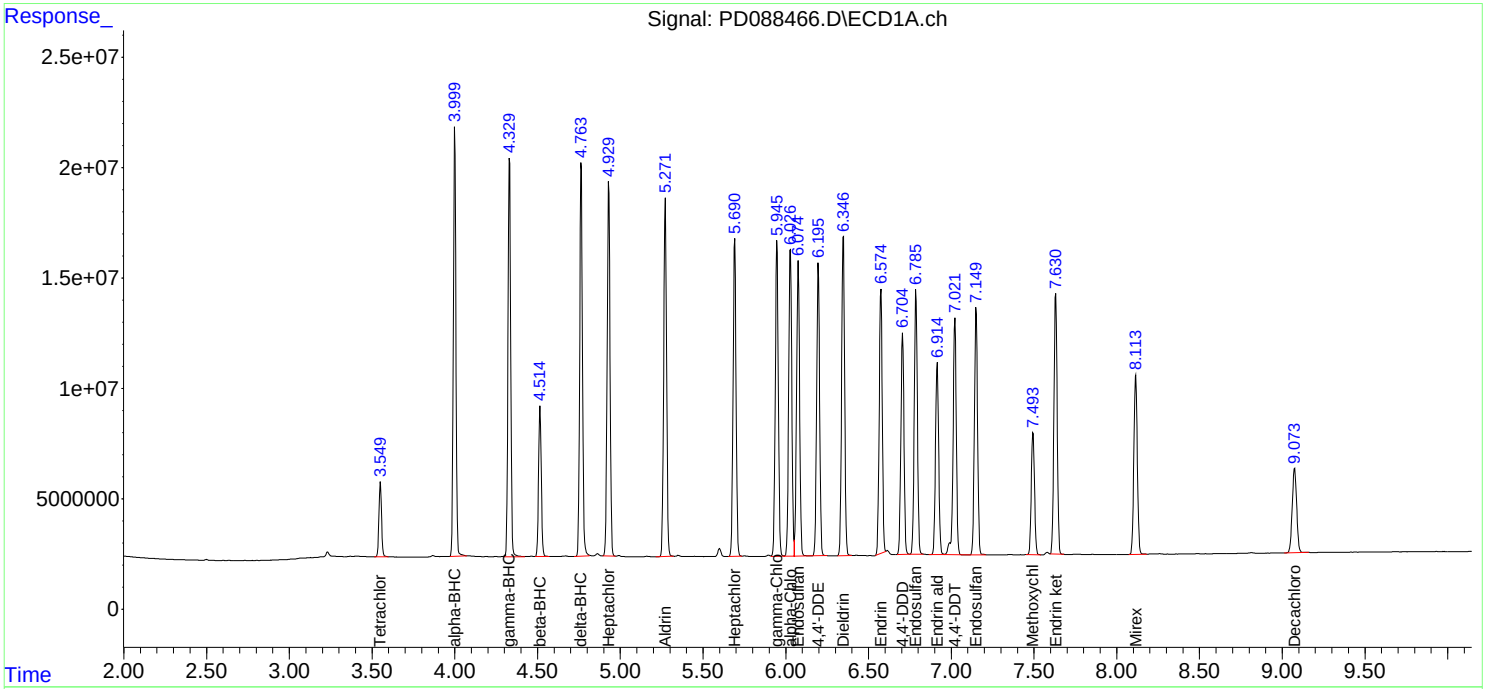
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

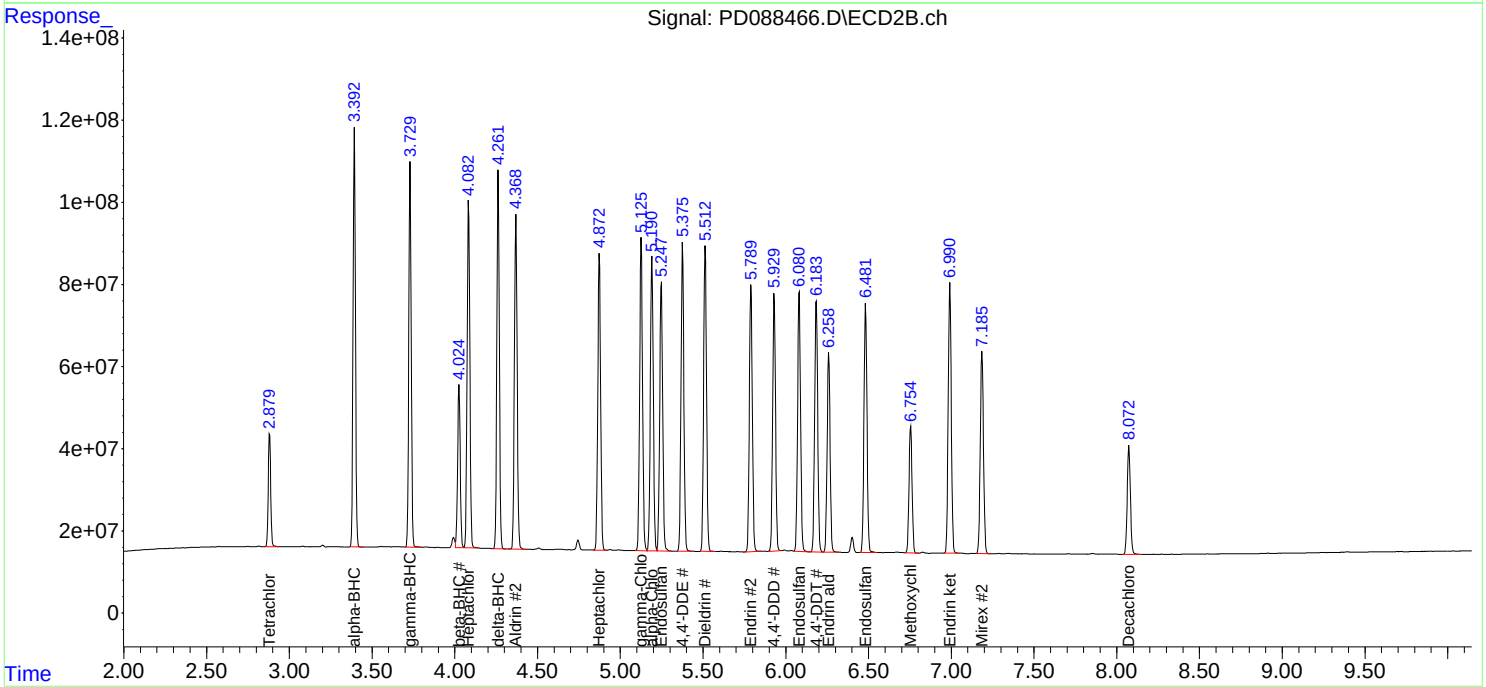
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088466.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 15:30
Operator : AR\AJ
Sample : PB167950BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167950BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 03:25:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088526.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 17:15
Operator : AR\AJ
Sample : PB167959BS
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167959BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:44:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.551	2.882	43148373	310.8E6	21.602	21.256
28)	SA Decachlor...	9.074	8.074	75153695	379.7E6	22.718	20.550
	Target Compounds						
2)	A alpha-BHC	4.001	3.395	229.8E6	1105.1E6	53.289	48.340
3)	MA gamma-BHC...	4.332	3.731	220.7E6	1027.0E6	52.700	47.680
4)	MA Heptachlor	4.931	4.084	218.6E6	1013.2E6	54.114	47.351
5)	MB Aldrin	5.273	4.371	215.1E6	1013.0E6	54.450	48.696
6)	B beta-BHC	4.516	4.027	84446365	445.7E6	52.019	48.162
7)	B delta-BHC	4.765	4.263	223.4E6	1031.4E6	54.157	48.511
8)	B Heptachlo...	5.692	4.875	193.8E6	906.6E6	54.239	47.983
9)	A Endosulfan I	6.076	5.249	184.2E6	860.7E6	54.542	47.783
10)	B gamma-Chl...	5.947	5.128	197.3E6	974.0E6	54.469	47.992
11)	B alpha-Chl...	6.028	5.193	196.3E6	938.5E6	54.383	47.878
12)	B 4,4'-DDE	6.197	5.377	175.6E6	949.8E6	53.233	48.226
13)	MA Dieldrin	6.348	5.515	196.1E6	959.1E6	54.953	48.118
14)	MA Endrin	6.575	5.791	155.5E6	844.2E6	52.120	46.380
15)	B Endosulfa...	6.787	6.083	165.1E6	833.6E6	52.820	47.575
16)	A 4,4'-DDD	6.706	5.932	139.7E6	807.0E6	55.543	49.251
17)	MA 4,4'-DDT	7.022	6.186	144.3E6	781.6E6	51.960	45.930
18)	B Endrin al...	6.916	6.261	123.4E6	629.4E6	53.469	47.321
19)	B Endosulfa...	7.150	6.484	154.7E6	807.7E6	53.783	47.145
20)	A Methoxychlor	7.494	6.757	74867705	410.8E6	49.927	45.034
21)	B Endrin ke...	7.631	6.993	166.6E6	889.9E6	53.961	47.580
22)	Mirex	8.115	7.187	120.2E6	664.7E6	51.191	44.849

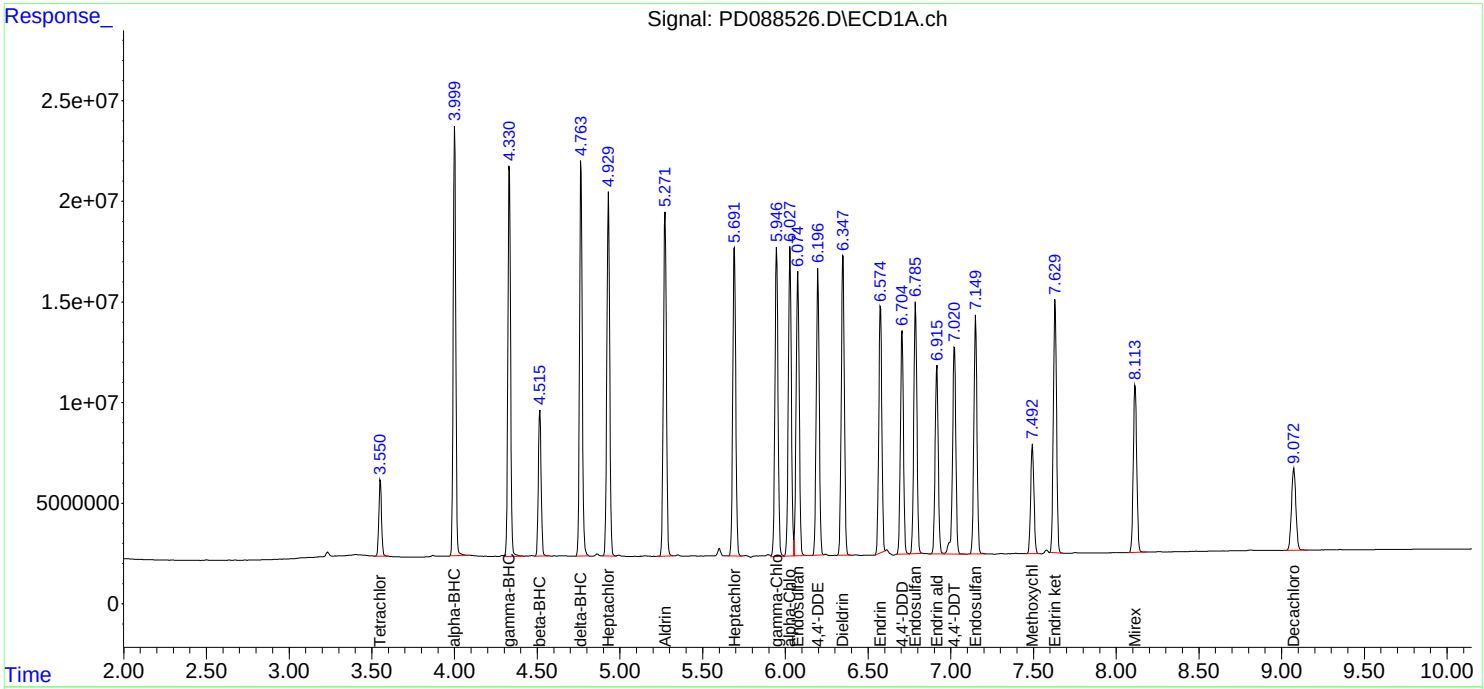
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

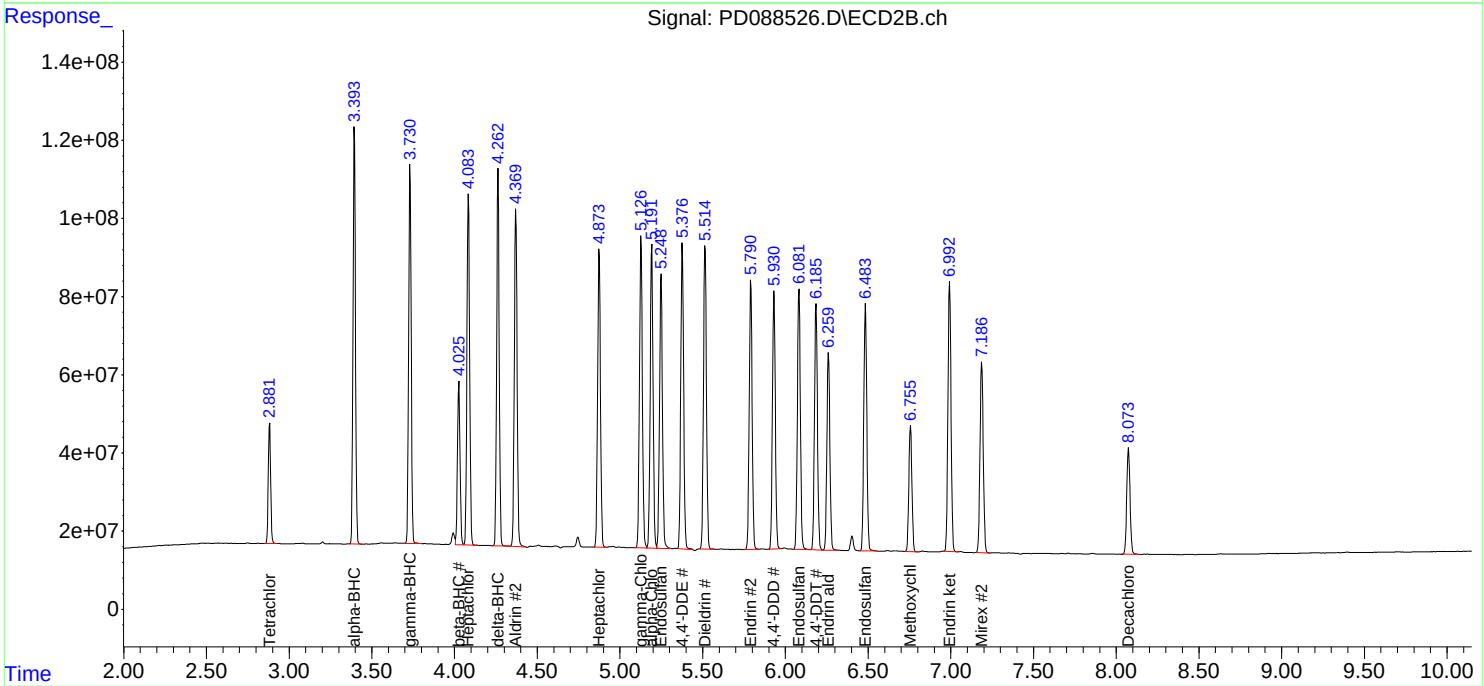
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088526.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 17:15
Operator : AR\AJ
Sample : PB167959BS
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167959BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:44:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088486.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 20:03
Operator : AR\AJ
Sample : Q1982-01MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-1MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 03:29:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.551	2.882	38595849	276.4E6	19.323	18.904
28)	SA	Decachlor...	9.074	8.074	66971716	322.5E6	20.245	17.450
		Target Compounds						
2)	A	alpha-BHC	4.000	3.395	222.5E6	1065.1E6	51.593	46.589
3)	MA	gamma-BHC...	4.332	3.731	215.4E6	977.4E6	51.440	45.380
4)	MA	Heptachlor	4.931	4.085	216.2E6	972.7E6	53.527	45.455
5)	MB	Aldrin	5.273	4.371	209.6E6	975.5E6	53.070	46.894
6)	B	beta-BHC	4.517	4.027	81126137	422.1E6	49.974	45.612
7)	B	delta-BHC	4.765	4.264	228.3E6	973.8E6	55.345	45.801
8)	B	Heptachlo...	5.692	4.875	188.9E6	836.2E6	52.866	44.258
9)	A	Endosulfan I	6.076	5.249	178.6E6	808.1E6	52.883	44.861
10)	B	gamma-Chl...	5.947	5.128	187.8E6	927.5E6	51.858	45.698
11)	B	alpha-Chl...	6.028	5.193	189.3E6	887.2E6	52.448	45.257
12)	B	4,4'-DDE	6.197	5.377	170.3E6	882.2E6	51.634	44.793
13)	MA	Dieldrin	6.348	5.515	191.0E6	893.0E6	53.516	44.802
14)	MA	Endrin	6.575	5.791	158.3E6	824.7E6	53.081	45.305
15)	B	Endosulfa...	6.786	6.083	160.3E6	796.5E6	51.265	45.461
16)	A	4,4'-DDD	6.706	5.932	134.7E6	707.6E6	53.571	43.180
17)	MA	4,4'-DDT	7.022	6.186	151.0E6	785.4E6	54.372	46.156
18)	B	Endrin al...	6.916	6.261	119.5E6	590.6E6	51.761	44.406
19)	B	Endosulfa...	7.150	6.484	149.9E6	774.2E6	52.125	45.189
20)	A	Methoxychlor	7.494	6.756	77890102	404.4E6	51.942	44.340
21)	B	Endrin ke...	7.631	6.993	162.1E6	848.7E6	52.526	45.377
22)		Mirex	8.114	7.187	119.4E6	647.5E6	50.861	43.690

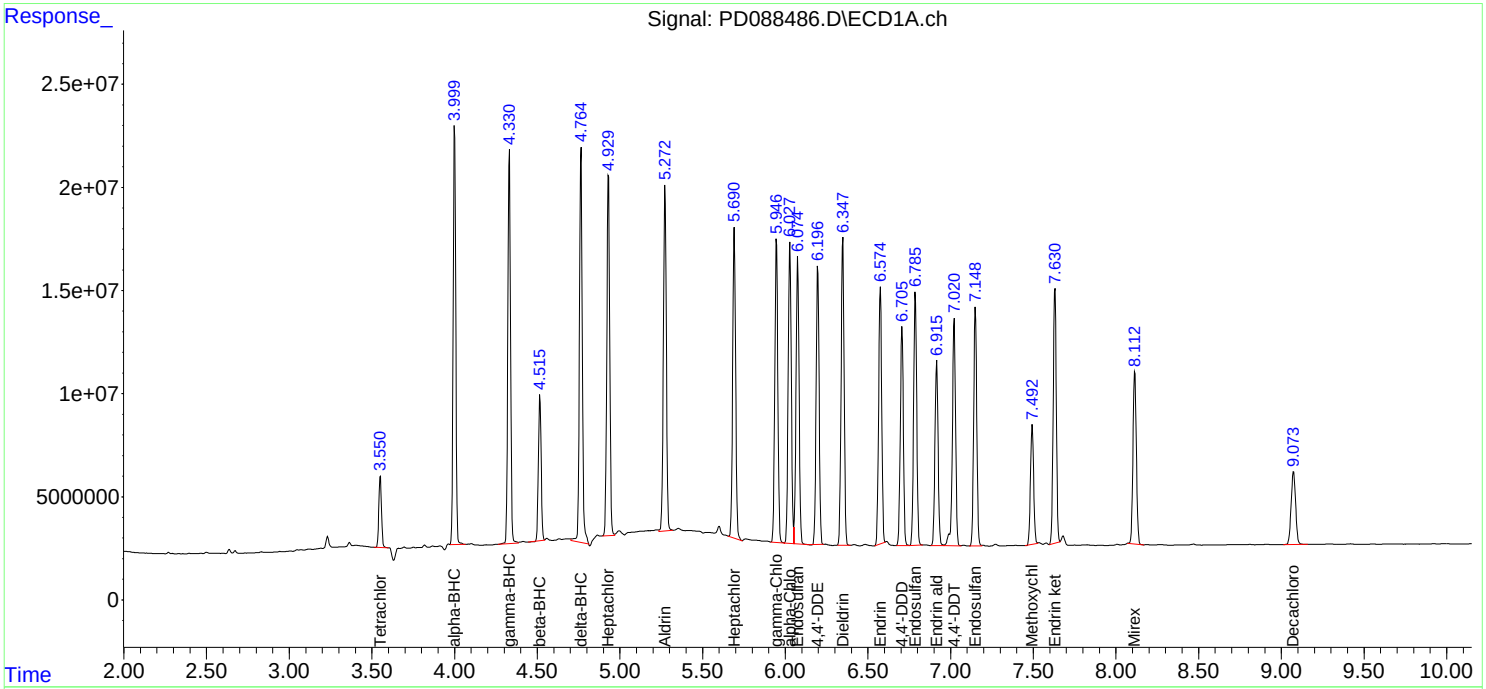
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

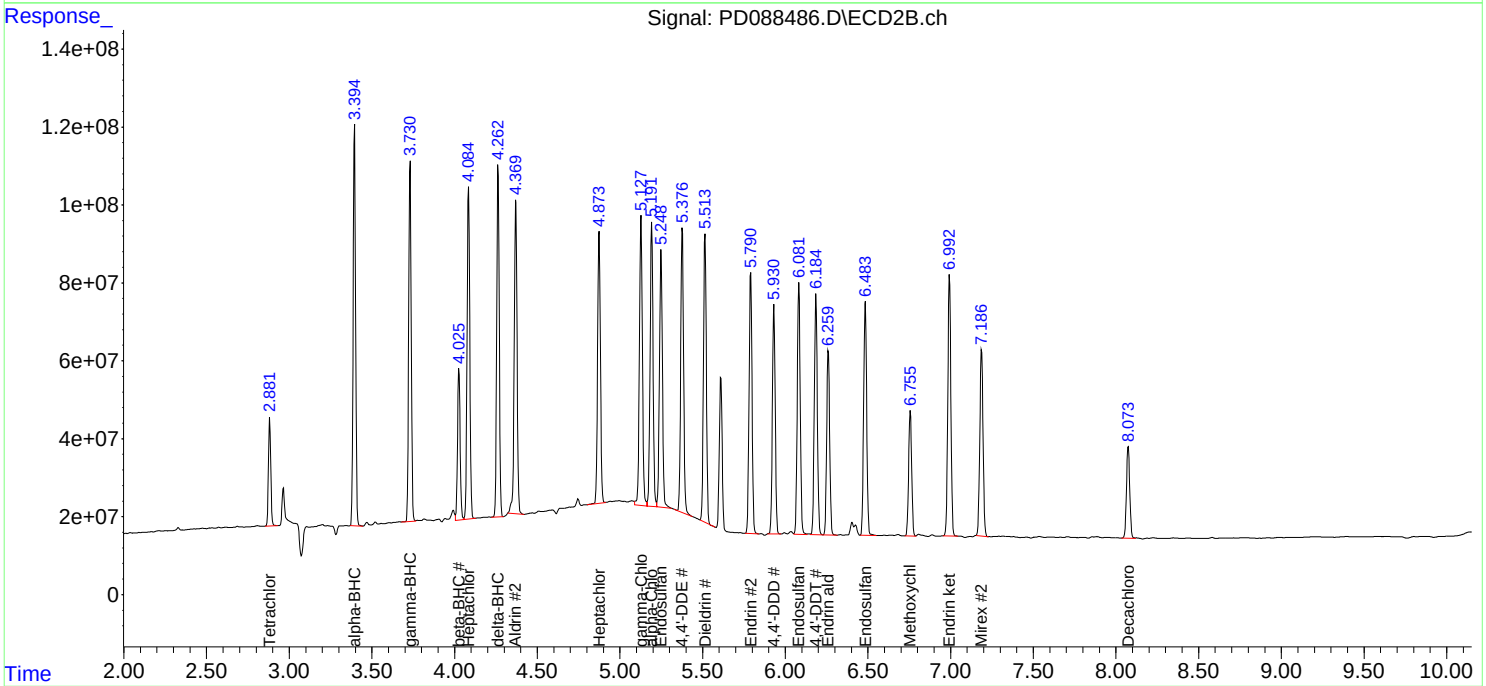
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088486.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 20:03
Operator : AR\AJ
Sample : Q1982-01MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-1MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 03:29:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051525\
Data File : PD088559.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 12:52
Operator : AR\AJ
Sample : Q1984-01MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-33-050725MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 02:17:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.552	2.882	42022681	300.2E6	21.039	20.529
28)	SA	Decachlor...	9.077	8.075	69954709	340.9E6	21.146	18.450
		Target Compounds						
2)	A	alpha-BHC	4.001	3.395	242.8E6	1145.1E6	56.302	50.090
3)	MA	gamma-BHC...	4.332	3.731	239.9E6	1044.4E6	57.288	48.490
4)	MA	Heptachlor	4.932	4.085	234.9E6	1078.0E6	58.169	50.376
5)	MB	Aldrin	5.272	4.370	226.1E6	1022.4E6	57.241m	49.150
6)	B	beta-BHC	4.517	4.025	89755012	459.5E6	55.289	49.657m
7)	B	delta-BHC	4.766	4.264	234.2E6	1055.2E6	56.765	49.630
8)	B	Heptachlo...	5.693	4.875	201.5E6	924.8E6	56.388	48.948
9)	A	Endosulfan I	6.077	5.249	191.2E6	878.2E6	56.623	48.753
10)	B	gamma-Chl...	5.948	5.128	203.8E6	994.2E6	56.261	48.985
11)	B	alpha-Chl...	6.029	5.192	203.7E6	959.2E6	56.428	48.933
12)	B	4,4'-DDE	6.198	5.377	180.9E6	956.6E6	54.862	48.572
13)	MA	Dieldrin	6.350	5.515	204.2E6	976.0E6	57.234	48.964
14)	MA	Endrin	6.577	5.791	166.5E6	893.2E6	55.835	49.069
15)	B	Endosulfa...	6.789	6.082	169.7E6	843.5E6	54.272	48.139
16)	A	4,4'-DDD	6.708	5.932	144.6E6	767.5E6	57.484	46.839
17)	MA	4,4'-DDT	7.024	6.185	152.8E6	833.7E6	55.012	48.993
18)	B	Endrin al...	6.918	6.260	128.2E6	645.4E6	55.557	48.522
19)	B	Endosulfa...	7.151	6.484	157.3E6	804.4E6	54.682	46.949
20)	A	Methoxychlor	7.496	6.757	79835270	434.2E6	53.240	47.604
21)	B	Endrin ke...	7.633	6.994	172.8E6	904.7E6	56.000	48.371
22)		Mirex	8.117	7.188	125.7E6	675.7E6	53.547	45.590

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

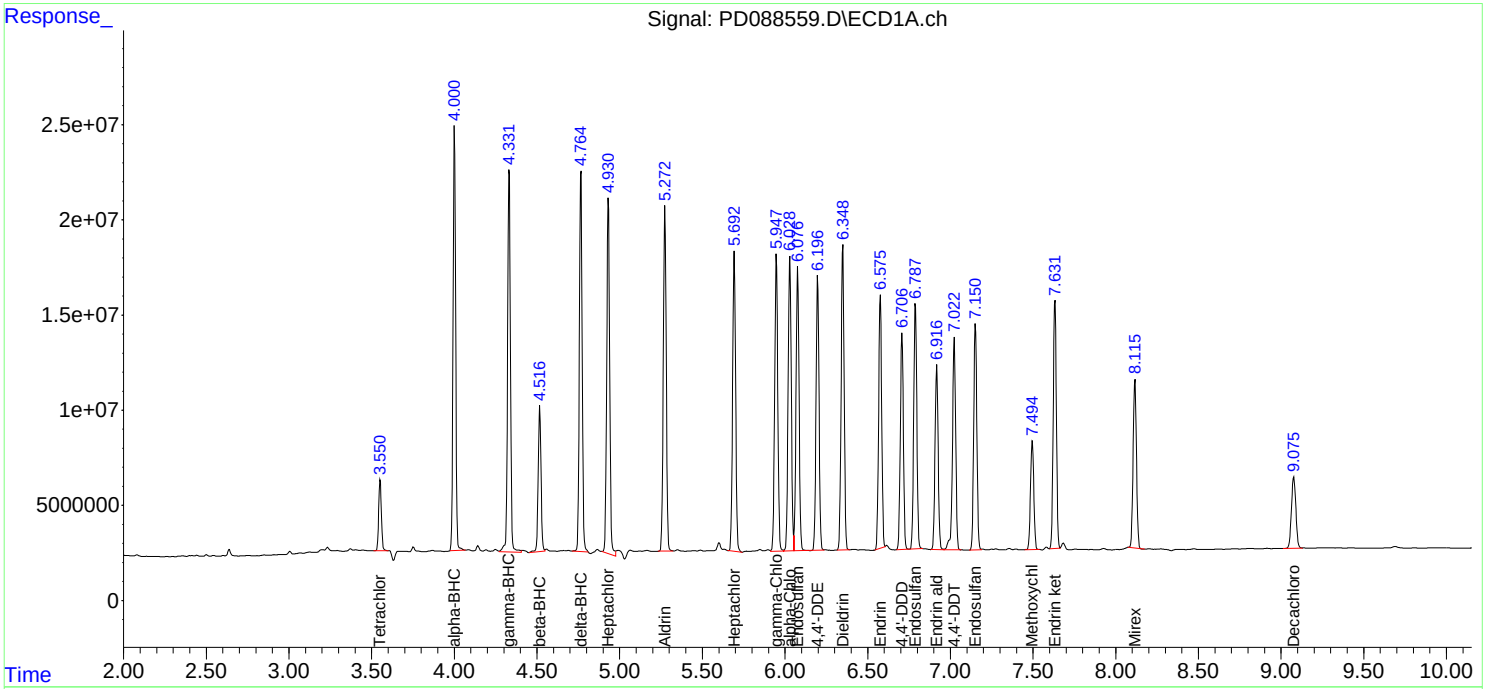
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051525\
Data File : PD088559.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 12:52
Operator : AR\AJ
Sample : Q1984-01MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

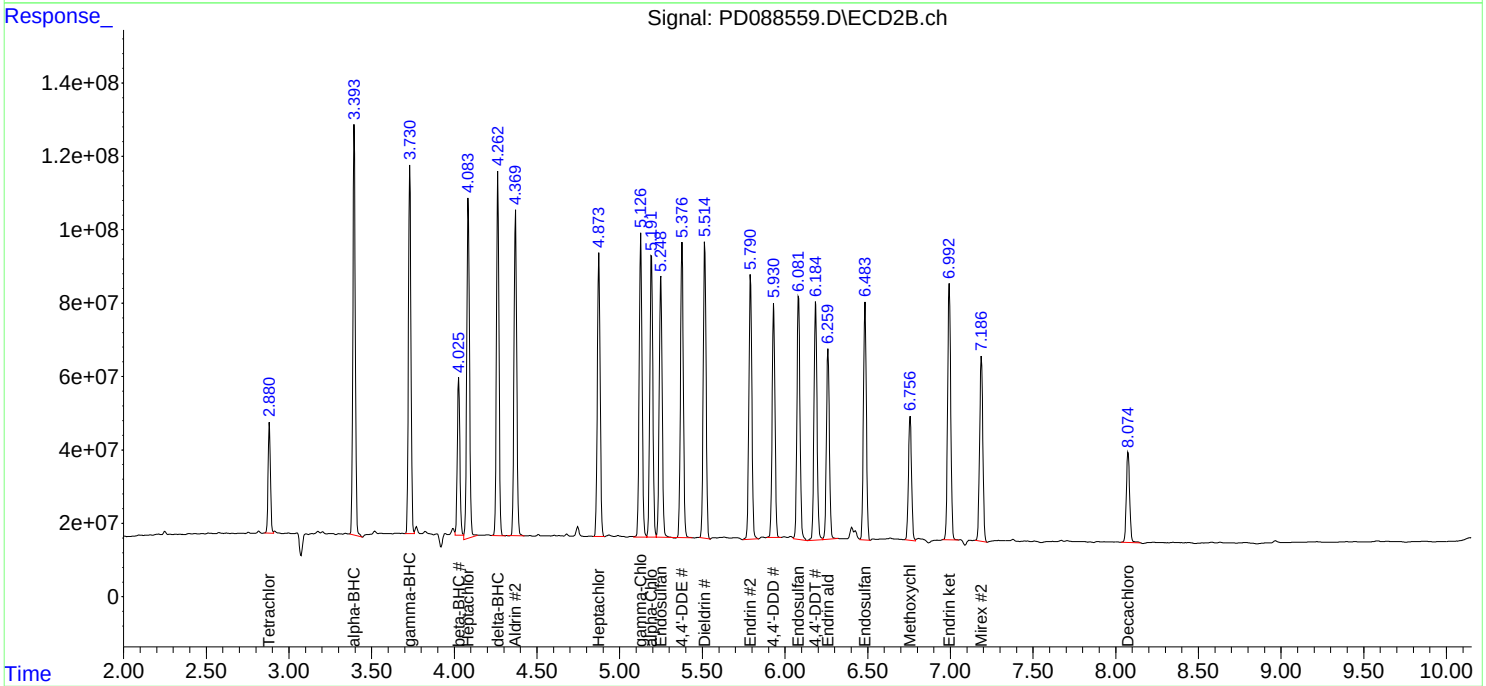
Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-33-050725MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 02:17:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088487.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 20:16
Operator : AR\AJ
Sample : Q1982-01MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-1MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 03:29:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.551	2.883	38891407	279.4E6	19.471	19.109
28)	SA Decachlor...	9.074	8.075	66035269	322.4E6	19.962	17.445
	Target Compounds						
2)	A alpha-BHC	4.000	3.395	224.3E6	1073.5E6	52.026	46.957
3)	MA gamma-BHC...	4.332	3.732	218.1E6	984.7E6	52.077	45.720
4)	MA Heptachlor	4.931	4.085	218.3E6	983.5E6	54.048	45.960
5)	MB Aldrin	5.273	4.371	211.5E6	987.6E6	53.546	47.472
6)	B beta-BHC	4.516	4.027	82000550	425.7E6	50.512	46.005
7)	B delta-BHC	4.765	4.264	228.3E6	982.8E6	55.341	46.224
8)	B Heptachlo...	5.692	4.875	190.0E6	847.2E6	53.155	44.836
9)	A Endosulfan I	6.076	5.249	180.2E6	816.7E6	53.353	45.343
10)	B gamma-Chl...	5.947	5.128	189.6E6	936.0E6	52.358	46.120
11)	B alpha-Chl...	6.028	5.192	190.9E6	895.8E6	52.889	45.697
12)	B 4,4'-DDE	6.197	5.377	171.7E6	890.6E6	52.059	45.220
13)	MA Dieldrin	6.348	5.515	192.5E6	898.0E6	53.937	45.050
14)	MA Endrin	6.575	5.791	159.5E6	830.3E6	53.465	45.615
15)	B Endosulfa...	6.787	6.082	161.2E6	801.1E6	51.553	45.722
16)	A 4,4'-DDD	6.706	5.932	135.3E6	711.3E6	53.804	43.409
17)	MA 4,4'-DDT	7.022	6.186	151.3E6	782.9E6	54.476	46.008
18)	B Endrin al...	6.916	6.261	119.4E6	591.0E6	51.715	44.433
19)	B Endosulfa...	7.150	6.485	150.2E6	775.5E6	52.213	45.261
20)	A Methoxychlor	7.494	6.756	78456750	406.0E6	52.320	44.512
21)	B Endrin ke...	7.631	6.993	162.7E6	851.0E6	52.723	45.496
22)	Mirex	8.115	7.188	119.4E6	646.3E6	50.830	43.608

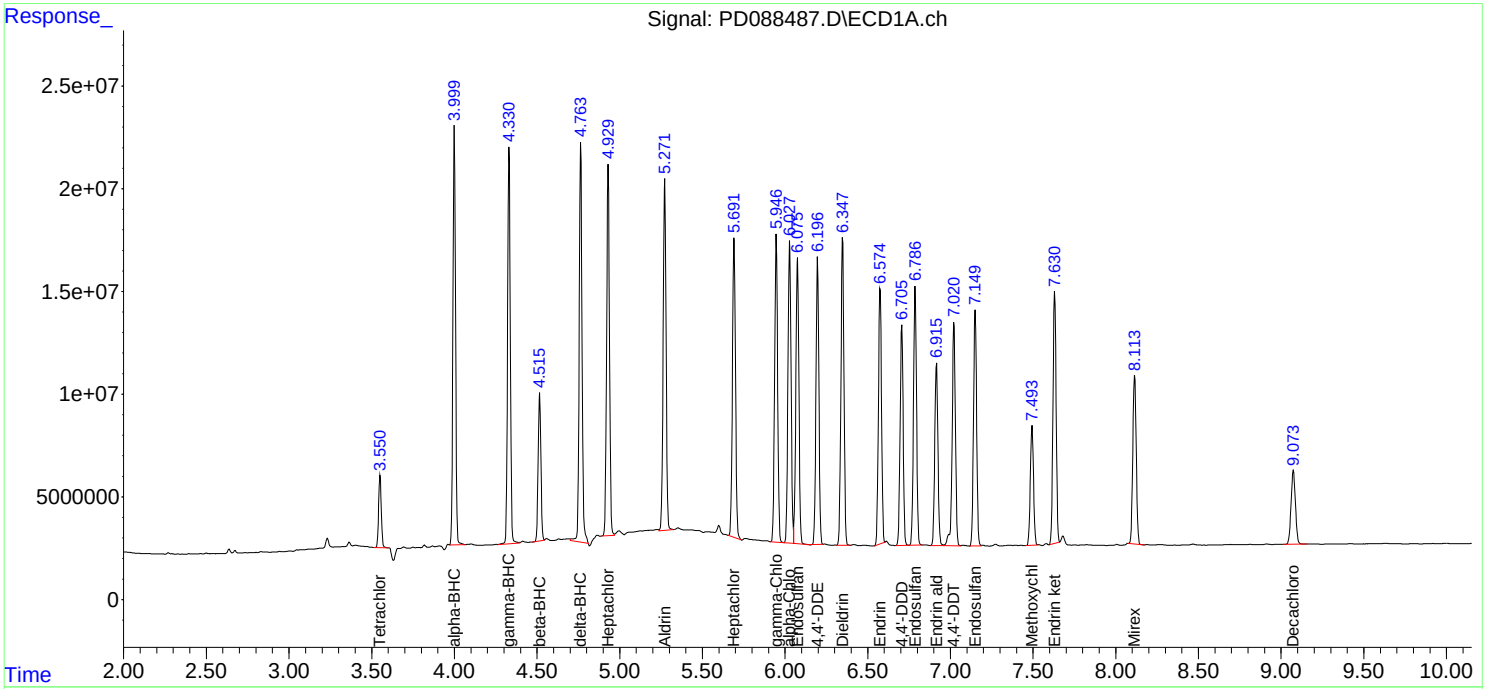
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

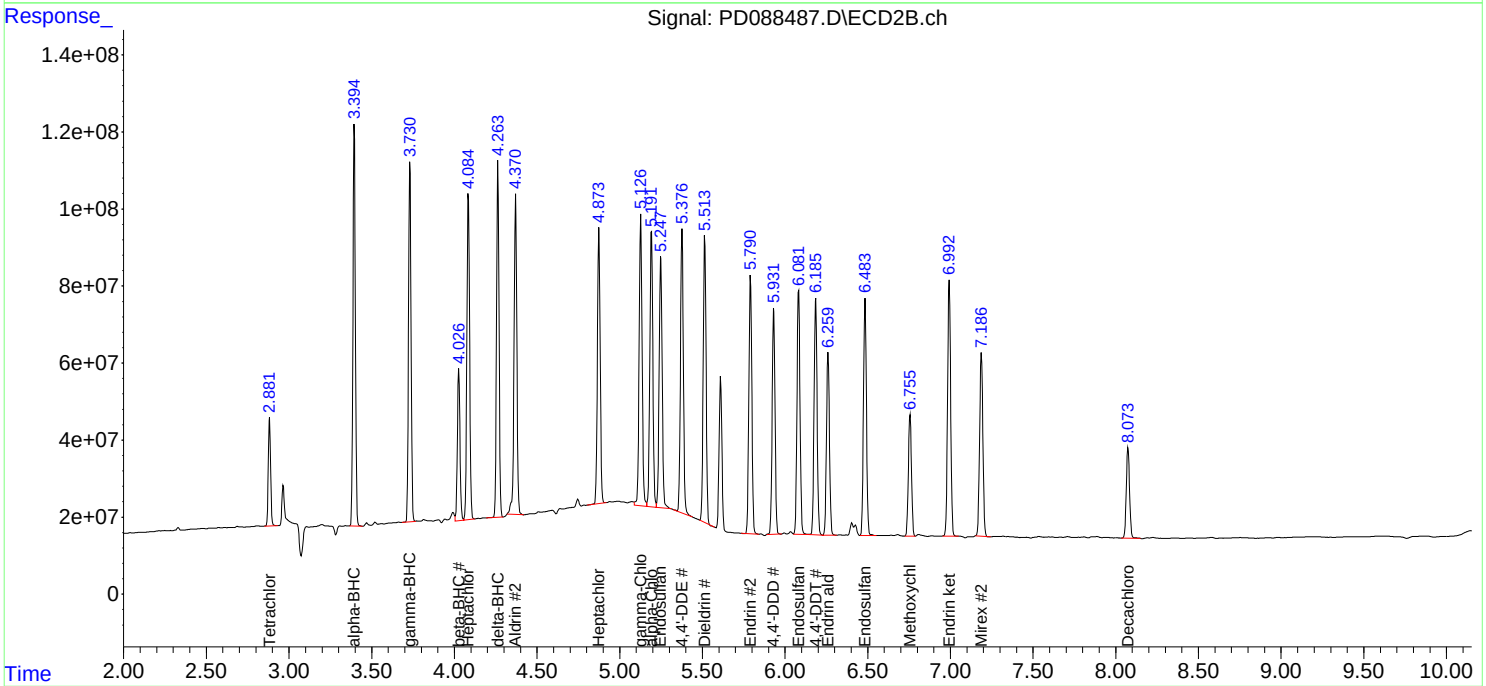
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088487.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 20:16
Operator : AR\AJ
Sample : Q1982-01MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-1MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 03:29:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051525\
Data File : PD088560.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 13:05
Operator : AR\AJ
Sample : Q1984-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-33-050725MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 02:18:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.551	2.882	42713352	306.3E6	21.385	20.946
28)	SA	Decachlor...	9.076	8.074	70211275	348.9E6	21.224	18.880
		Target Compounds						
2)	A	alpha-BHC	4.000	3.395	245.5E6	1160.4E6	56.936	50.758
3)	MA	gamma-BHC...	4.331	3.731	242.7E6	1059.7E6	57.961	49.200
4)	MA	Heptachlor	4.931	4.085	238.9E6	1091.4E6	59.160	51.002
5)	MB	Aldrin	5.273	4.370	230.1E6	1039.5E6	58.268	49.969
6)	B	beta-BHC	4.516	4.025	90626662	471.3E6	55.826	50.924m
7)	B	delta-BHC	4.765	4.263	235.8E6	1068.5E6	57.162	50.254
8)	B	Heptachlo...	5.692	4.874	201.8E6	936.3E6	56.477	49.556
9)	A	Endosulfan I	6.076	5.249	192.9E6	893.5E6	57.109	49.602
10)	B	gamma-Chl...	5.947	5.127	204.9E6	1005.2E6	56.566	49.527
11)	B	alpha-Chl...	6.029	5.192	205.3E6	971.4E6	56.866	49.555
12)	B	4,4'-DDE	6.198	5.377	183.2E6	973.8E6	55.551	49.445
13)	MA	Dieldrin	6.349	5.514	206.1E6	991.8E6	57.747	49.759
14)	MA	Endrin	6.576	5.791	168.4E6	904.9E6	56.457	49.711
15)	B	Endosulfa...	6.788	6.082	171.1E6	839.9E6	54.742	47.936
16)	A	4,4'-DDD	6.706	5.932	145.9E6	783.4E6	58.021	47.808
17)	MA	4,4'-DDT	7.023	6.185	154.1E6	829.9E6	55.472	48.773
18)	B	Endrin al...	6.916	6.261	129.0E6	647.3E6	55.900	48.667
19)	B	Endosulfa...	7.151	6.484	159.4E6	826.0E6	55.441	48.209
20)	A	Methoxychlor	7.494	6.757	80457383	437.0E6	53.655	47.911
21)	B	Endrin ke...	7.631	6.993	173.7E6	917.4E6	56.270	49.050
22)		Mirex	8.115	7.187	125.8E6	690.2E6	53.561	46.572

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

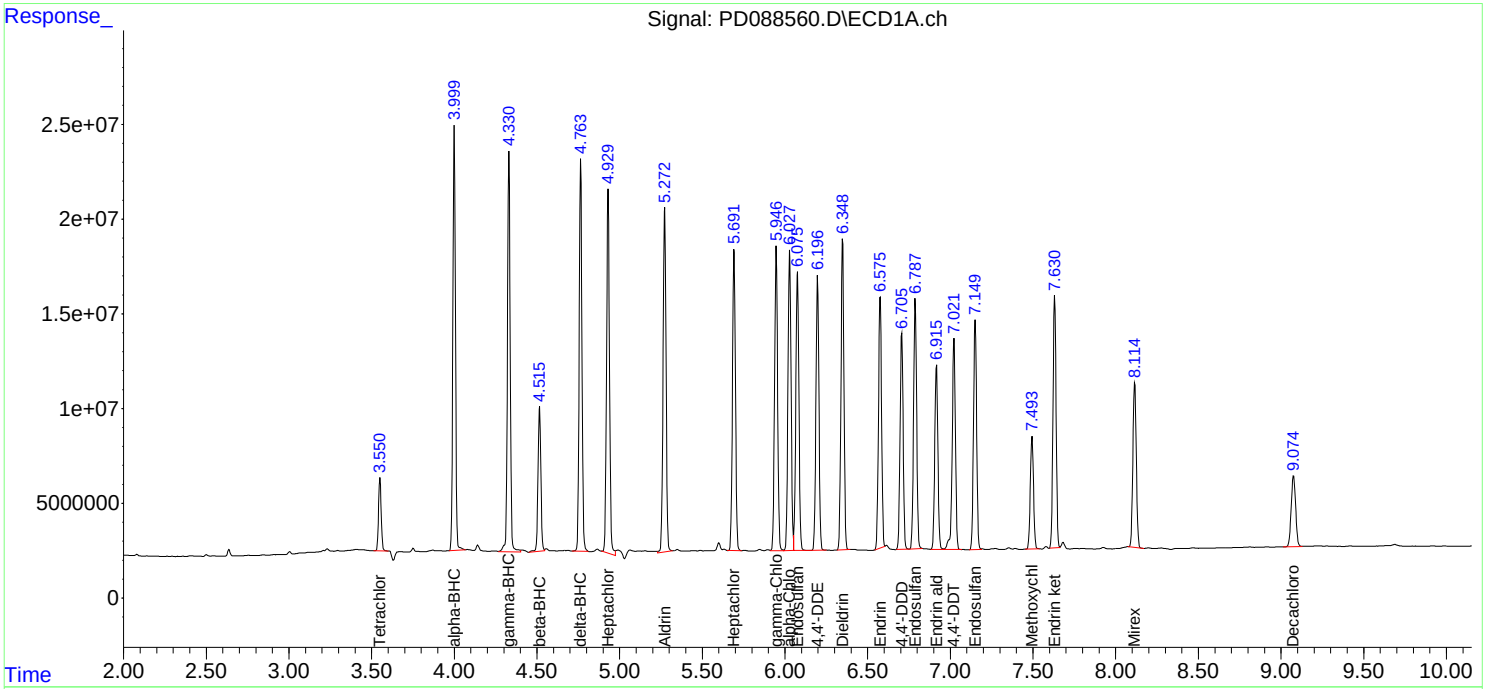
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051525\
Data File : PD088560.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 13:05
Operator : AR\AJ
Sample : Q1984-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

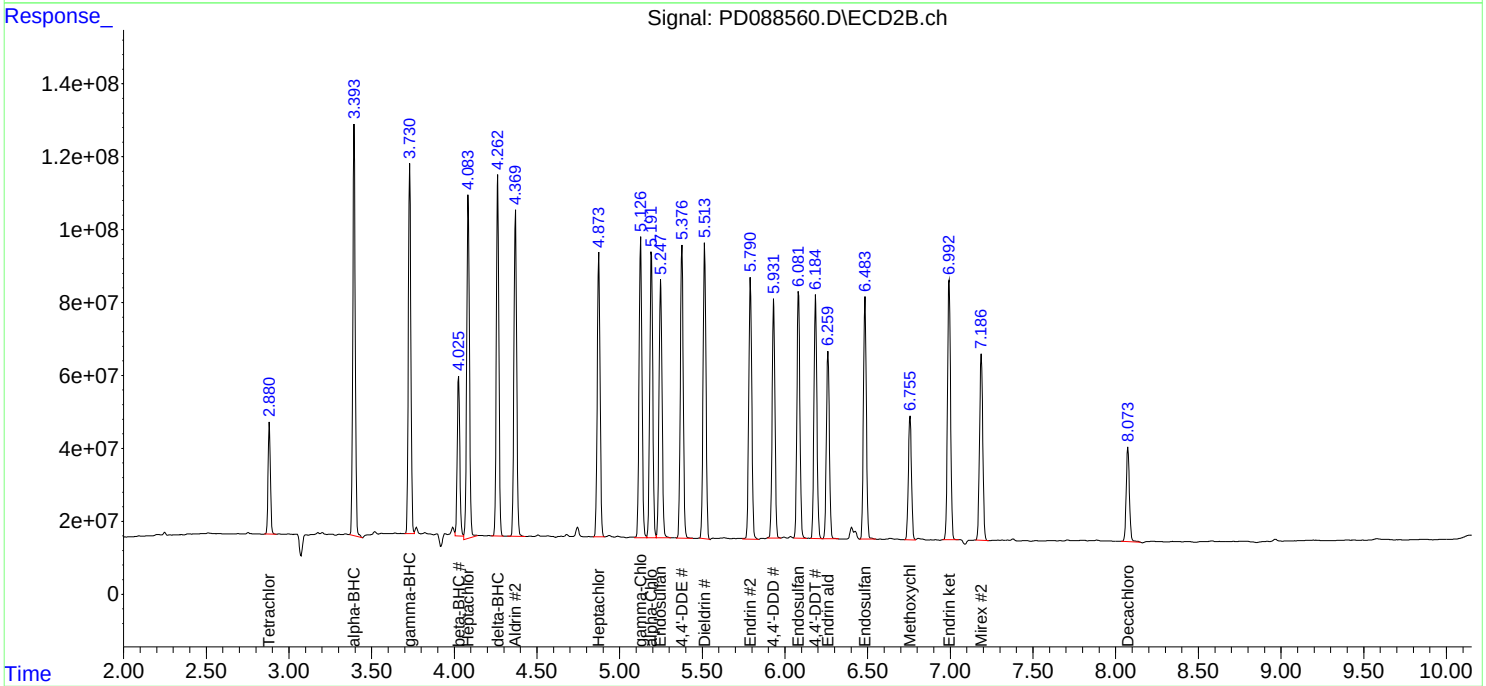
Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-33-050725MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 02:18:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 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





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Manual Integration Report

Sequence:	PD041825	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088122.D	4,4"-DDD #2	Abdul	4/19/2025 2:06:43 PM	mohammad	4/22/2025 2:20:46	Peak Integrated by Software
PSTDICC100	PD088124.D	Heptachlor epoxide #2	Abdul	4/19/2025 2:06:47 PM	mohammad	4/22/2025 2:20:46	Peak Integrated by Software
PSTDICC005	PD088128.D	delta-BHC	Abdul	4/19/2025 2:20:23 PM	mohammad	4/22/2025 2:20:46	Peak Integrated by Software
PEM	PD088143.D	4,4"-DDD	Abdul	4/19/2025 2:07:12 PM	mohammad	4/22/2025 2:20:46	Peak Integrated by Software
PEM	PD088143.D	Endrin aldehyde	Abdul	4/19/2025 2:07:12 PM	mohammad	4/22/2025 2:20:46	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd051225	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088463.D	4,4"-DDD #2	Abdul	5/13/2025 9:10:47 AM	mohammad	5/14/2025 5:14:13	Peak Integrated by Software
PEM	PD088463.D	Endrin aldehyde	Abdul	5/13/2025 9:10:47 AM	mohammad	5/14/2025 5:14:13	Peak Integrated by Software
PEM	PD088463.D	Endrin aldehyde #2	Abdul	5/13/2025 9:10:47 AM	mohammad	5/14/2025 5:14:13	Peak Integrated by Software
PEM	PD088463.D	Endrin ketone	Abdul	5/13/2025 9:10:47 AM	mohammad	5/14/2025 5:14:13	Peak Integrated by Software
PEM	PD088483.D	4,4"-DDD #2	Abdul	5/13/2025 9:10:17 AM	mohammad	5/14/2025 5:14:13	Peak Integrated by Software
PEM	PD088483.D	4,4"-DDE	Abdul	5/13/2025 9:10:17 AM	mohammad	5/14/2025 5:14:13	Peak Integrated by Software
PEM	PD088483.D	4,4"-DDE #2	Abdul	5/13/2025 9:10:17 AM	mohammad	5/14/2025 5:14:13	Peak Integrated by Software
PEM	PD088483.D	Endrin aldehyde	Abdul	5/13/2025 9:10:17 AM	mohammad	5/14/2025 5:14:13	Peak Integrated by Software
PEM	PD088483.D	Endrin aldehyde #2	Abdul	5/13/2025 9:10:17 AM	mohammad	5/14/2025 5:14:13	Peak Integrated by Software
PEM	PD088483.D	Endrin ketone	Abdul	5/13/2025 9:10:17 AM	mohammad	5/14/2025 5:14:13	Peak Integrated by Software
Q1982-06	PD088492.D	beta-BHC #2	Abdul	5/13/2025 9:09:56 AM	mohammad	5/14/2025 5:14:13	Peak Integrated by Software
Q1982-06	PD088492.D	Tetrachloro-m-xylene	Abdul	5/13/2025 9:09:56 AM	mohammad	5/14/2025 5:14:13	Peak Integrated by Software
PSTDCCC050	PD088495.D	4,4"-DDE #2	Abdul	5/13/2025 9:10:08 AM	mohammad	5/14/2025 5:14:13	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd051225	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PD088495.D	Aldrin #2	Abdul	5/13/2025 9:10:08 AM	mohammad	5/14/2025 5:14:13	Peak Integrated by Software

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Manual Integration Report

Sequence:	PD051325	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088498.D	Endrin ketone	Abdul	5/14/2025 8:32:32 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
PSTDCCC050	PD088499.D	4,4"-DDE #2	Abdul	5/14/2025 8:32:36 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
PSTDCCC050	PD088499.D	Aldrin #2	Abdul	5/14/2025 8:32:36 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
Q1982-02	PD088502.D	Decachlorobiphenyl #2	Abdul	5/14/2025 8:32:39 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
Q1982-04	PD088503.D	Tetrachloro-m-xylene	Abdul	5/19/2025 12:07:55 PM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
Q1982-04	PD088503.D	Tetrachloro-m-xylene #2	Abdul	5/19/2025 12:07:55 PM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
Q1982-07	PD088505.D	alpha-Chlordane #2	Abdul	5/14/2025 8:32:43 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
Q1982-07	PD088505.D	Decachlorobiphenyl	Abdul	5/14/2025 8:32:43 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
Q1982-07	PD088505.D	gamma-Chlordane #2	Abdul	5/14/2025 8:32:43 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
PSTDCCC050	PD088515.D	4,4"-DDE #2	Abdul	5/14/2025 8:32:54 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
PSTDCCC050	PD088515.D	Aldrin #2	Abdul	5/14/2025 8:32:54 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
PSTDCCC050	PD088515.D	gamma-Chlordane	Abdul	5/14/2025 8:32:54 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
PSTDCCC050	PD088524.D	4,4"-DDE #2	Abdul	5/14/2025 8:33:05 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software

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Manual Integration Report

Sequence:	PD051325	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PD088524.D	Aldrin #2	Abdul	5/14/2025 8:33:05 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
PSTDCCC050	PD088524.D	gamma-Chlordane	Abdul	5/14/2025 8:33:05 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
Q1982-08	PD088527.D	alpha-Chlordane #2	Abdul	5/14/2025 8:33:09 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
Q1982-08	PD088527.D	Decachlorobiphenyl	Abdul	5/14/2025 8:33:09 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
Q1982-08	PD088527.D	Decachlorobiphenyl #2	Abdul	5/14/2025 8:33:09 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
Q1982-08	PD088527.D	Dieldrin	Abdul	5/14/2025 8:33:09 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
Q1982-08	PD088527.D	Dieldrin #2	Abdul	5/14/2025 8:33:09 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
Q1982-08	PD088527.D	gamma-Chlordane	Abdul	5/14/2025 8:33:09 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
Q1982-08	PD088527.D	gamma-Chlordane #2	Abdul	5/14/2025 8:33:09 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
PEM	PD088536.D	Endrin aldehyde	Abdul	5/14/2025 8:33:27 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
PSTDCCC050	PD088537.D	4,4"-DDE #2	Abdul	5/14/2025 8:33:30 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
PSTDCCC050	PD088537.D	Aldrin #2	Abdul	5/14/2025 8:33:30 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
PSTDCCC050	PD088537.D	gamma-Chlordane	Abdul	5/14/2025 8:33:30 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software

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Manual Integration Report

Sequence:	PD051325	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PD088541.D	4,4"-DDE #2	Abdul	5/14/2025 8:33:35 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
PSTDCCC050	PD088541.D	Aldrin #2	Abdul	5/14/2025 8:33:35 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
PSTDCCC050	PD088541.D	gamma-Chlordane	Abdul	5/14/2025 8:33:35 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd051525	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088552.D	4,4"-DDD	Abdul	5/16/2025 10:09:09 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
PEM	PD088552.D	Endrin aldehyde	Abdul	5/16/2025 10:09:09 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
PEM	PD088552.D	Endrin aldehyde #2	Abdul	5/16/2025 10:09:09 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
PEM	PD088552.D	Endrin ketone	Abdul	5/16/2025 10:09:09 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
PEM	PD088552.D	Endrin ketone #2	Abdul	5/16/2025 10:09:09 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
PTOXCCC500	PD088555.D	Toxaphene-1 #2	Abdul	5/16/2025 10:09:12 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
Q1984-01MS	PD088559.D	Aldrin	Abdul	5/16/2025 10:09:21 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
Q1984-01MS	PD088559.D	beta-BHC #2	Abdul	5/16/2025 10:09:21 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
Q1984-01MSD	PD088560.D	beta-BHC #2	Abdul	5/16/2025 10:09:25 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
I.BLK	PD088565.D	Decachlorobiphenyl	Abdul	5/16/2025 10:09:43 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
PSTDCCC050	PD088566.D	4,4"-DDD	Abdul	5/16/2025 10:09:47 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
PSTDCCC050	PD088566.D	4,4"-DDE #2	Abdul	5/16/2025 10:09:47 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
PSTDCCC050	PD088566.D	Decachlorobiphenyl	Abdul	5/16/2025 10:09:47 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pd051525	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PD088566.D	gamma-Chlordane	Abdul	5/16/2025 10:09:47 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
PTOXCCC500	PD088568.D	Toxaphene-1 #2	Abdul	5/16/2025 10:09:51 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
PTOXCCC500	PD088568.D	Toxaphene-5	Abdul	5/16/2025 10:09:51 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
PTOXCCC500	PD088568.D	Toxaphene-5 #2	Abdul	5/16/2025 10:09:51 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
I.BLK	PD088572.D	Decachlorobiphenyl	Abdul	5/16/2025 10:10:09 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
PSTDCCC050	PD088573.D	Methoxychlor #2	Abdul	5/16/2025 10:10:13 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD041825

Review By	Abdul	Review On	4/19/2025 2:07:56 PM		
Supervise By	mohammad	Supervise On	4/22/2025 2:20:46 AM		
SubDirectory	PD041825	HP Acquire Method		HP Processing Method	pd041825 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	PD088120.D	18 Apr 2025 13:02	AR\AJ	Ok
2	I.BLK	PD088121.D	18 Apr 2025 13:15	AR\AJ	Ok
3	PEM	PD088122.D	18 Apr 2025 13:29	AR\AJ	Ok,M
4	RESCHK	PD088123.D	18 Apr 2025 13:43	AR\AJ	Ok
5	PSTDICC100	PD088124.D	18 Apr 2025 13:56	AR\AJ	Ok,M
6	PSTDICC075	PD088125.D	18 Apr 2025 14:10	AR\AJ	Ok
7	PSTDICC050	PD088126.D	18 Apr 2025 14:24	AR\AJ	Ok
8	PSTDICC025	PD088127.D	18 Apr 2025 14:37	AR\AJ	Ok
9	PSTDICC005	PD088128.D	18 Apr 2025 14:51	AR\AJ	Ok,M
10	PCHLORICC1000	PD088129.D	18 Apr 2025 15:05	AR\AJ	Ok
11	PCHLORICC750	PD088130.D	18 Apr 2025 15:18	AR\AJ	Ok
12	PCHLORICC500	PD088131.D	18 Apr 2025 15:32	AR\AJ	Ok
13	PCHLORICC250	PD088132.D	18 Apr 2025 15:46	AR\AJ	Ok
14	PCHLORICC050	PD088133.D	18 Apr 2025 15:59	AR\AJ	Ok,M
15	PTOXICC1000	PD088134.D	18 Apr 2025 16:13	AR\AJ	Ok,M
16	PTOXICC750	PD088135.D	18 Apr 2025 16:27	AR\AJ	Ok
17	PTOXICC500	PD088136.D	18 Apr 2025 16:40	AR\AJ	Ok
18	PTOXICC250	PD088137.D	18 Apr 2025 16:54	AR\AJ	Ok,M
19	PTOXICC100	PD088138.D	18 Apr 2025 17:08	AR\AJ	Ok,M
20	PSTDICV050	PD088139.D	18 Apr 2025 17:21	AR\AJ	Ok
21	PCHLORICV500	PD088140.D	18 Apr 2025 17:35	AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD041825

Review By	Abdul	Review On	4/19/2025 2:07:56 PM		
Supervise By	mohammad	Supervise On	4/22/2025 2:20:46 AM		
SubDirectory	PD041825	HP Acquire Method		HP Processing Method	pd041825 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	PD088141.D	18 Apr 2025 17:49	AR\AJ	Ok
23	I.BLK	PD088142.D	18 Apr 2025 18:02	AR\AJ	Ok
24	PEM	PD088143.D	18 Apr 2025 18:16	AR\AJ	Ok,M
25	PSTDCCC050	PD088144.D	18 Apr 2025 18:30	AR\AJ	Not Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051225

Review By	Abdul	Review On	5/13/2025 9:11:31 AM		
Supervise By	mohammad	Supervise On	5/14/2025 5:14:13 AM		
SubDirectory	PD051225	HP Acquire Method		HP Processing Method	pd041825 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	PD088461.D	12 May 2025 12:31	AR\AJ	Ok
2	I.BLK	PD088462.D	12 May 2025 12:44	AR\AJ	Ok
3	PEM	PD088463.D	12 May 2025 12:58	AR\AJ	Ok,M
4	PSTDCCC050	PD088464.D	12 May 2025 13:42	AR\AJ	Ok
5	PB167950BL	PD088465.D	12 May 2025 15:16	AR\AJ	Ok
6	PB167950BS	PD088466.D	12 May 2025 15:30	AR\AJ	Ok
7	Q2002-01	PD088467.D	12 May 2025 15:43	AR\AJ	Ok,M
8	Q2007-01	PD088468.D	12 May 2025 15:57	AR\AJ	Ok,M
9	Q2007-07	PD088469.D	12 May 2025 16:11	AR\AJ	Ok,M
10	Q2007-13	PD088470.D	12 May 2025 16:24	AR\AJ	Ok,M
11	Q2007-19	PD088471.D	12 May 2025 16:38	AR\AJ	Ok,M
12	Q2007-25	PD088472.D	12 May 2025 16:52	AR\AJ	Ok
13	Q2007-31	PD088473.D	12 May 2025 17:05	AR\AJ	Ok,M
14	I.BLK	PD088474.D	12 May 2025 17:19	AR\AJ	Ok
15	PSTDCCC050	PD088475.D	12 May 2025 17:32	AR\AJ	Ok
16	Q2004-01	PD088476.D	12 May 2025 17:46	AR\AJ	Ok
17	Q2004-03	PD088477.D	12 May 2025 18:00	AR\AJ	Ok,M
18	Q2004-05	PD088478.D	12 May 2025 18:14	AR\AJ	Ok,M
19	Q2004-07	PD088479.D	12 May 2025 18:27	AR\AJ	Ok
20	Q2004-09	PD088480.D	12 May 2025 18:41	AR\AJ	Ok
21	Q2004-11	PD088481.D	12 May 2025 18:54	AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051225

Review By	Abdul	Review On	5/13/2025 9:11:31 AM		
Supervise By	mohammad	Supervise On	5/14/2025 5:14:13 AM		
SubDirectory	PD051225	HP Acquire Method		HP Processing Method	pd041825 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	I.BLK	PD088482.D	12 May 2025 19:08	AR\AJ	Ok
23	PEM	PD088483.D	12 May 2025 19:22	AR\AJ	Ok,M
24	PSTDCCC050	PD088484.D	12 May 2025 19:35	AR\AJ	Ok
25	Q1982-01	PD088485.D	12 May 2025 19:49	AR\AJ	Not Ok
26	Q1982-01MS	PD088486.D	12 May 2025 20:03	AR\AJ	Ok
27	Q1982-01MSD	PD088487.D	12 May 2025 20:16	AR\AJ	Ok
28	Q1982-02	PD088488.D	12 May 2025 20:30	AR\AJ	Not Ok
29	Q1982-03	PD088489.D	12 May 2025 20:44	AR\AJ	Ok
30	Q1982-04	PD088490.D	12 May 2025 20:57	AR\AJ	Not Ok
31	Q1982-05	PD088491.D	12 May 2025 21:11	AR\AJ	Not Ok
32	Q1982-06	PD088492.D	12 May 2025 21:25	AR\AJ	Ok,M
33	Q1982-07	PD088493.D	12 May 2025 21:38	AR\AJ	Not Ok
34	I.BLK	PD088494.D	12 May 2025 21:52	AR\AJ	Ok
35	PSTDCCC050	PD088495.D	13 May 2025 02:17	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051325

Review By	Abdul	Review On	5/14/2025 8:34:03 AM		
Supervise By	mohammad	Supervise On	5/20/2025 3:33:00 AM		
SubDirectory	PD051325	HP Acquire Method		HP Processing Method	pd041825 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	PD088496.D	13 May 2025 09:14	AR\AJ	Ok
2	I.BLK	PD088497.D	13 May 2025 09:28	AR\AJ	Ok
3	PEM	PD088498.D	13 May 2025 09:41	AR\AJ	Ok,M
4	PSTDCCC050	PD088499.D	13 May 2025 09:55	AR\AJ	Ok,M
5	PB167950BL	PD088500.D	13 May 2025 10:08	AR\AJ	Not Ok
6	Q1982-01	PD088501.D	13 May 2025 10:22	AR\AJ	Ok
7	Q1982-02	PD088502.D	13 May 2025 10:35	AR\AJ	Ok,M
8	Q1982-04	PD088503.D	13 May 2025 10:49	AR\AJ	Ok,M
9	Q1982-05	PD088504.D	13 May 2025 11:02	AR\AJ	Ok
10	Q1982-07	PD088505.D	13 May 2025 11:16	AR\AJ	Ok,M
11	PB167925BL	PD088506.D	13 May 2025 11:29	AR\AJ	Ok
12	Q1983-01DL	PD088507.D	13 May 2025 11:43	AR\AJ	Ok,M
13	PB167969BL	PD088508.D	13 May 2025 11:57	AR\AJ	Ok
14	PB167969BS	PD088509.D	13 May 2025 12:10	AR\AJ	Ok
15	PB167851TB	PD088510.D	13 May 2025 12:24	AR\AJ	Ok
16	Q1956-05	PD088511.D	13 May 2025 12:37	AR\AJ	Ok
17	Q1956-05MS	PD088512.D	13 May 2025 12:51	AR\AJ	Ok,M
18	Q1956-05MSD	PD088513.D	13 May 2025 13:04	AR\AJ	Ok
19	I.BLK	PD088514.D	13 May 2025 13:18	AR\AJ	Ok
20	PSTDCCC050	PD088515.D	13 May 2025 14:22	AR\AJ	Ok,M
21	Q2007-06	PD088516.D	13 May 2025 14:35	AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051325

Review By	Abdul	Review On	5/14/2025 8:34:03 AM		
Supervise By	mohammad	Supervise On	5/20/2025 3:33:00 AM		
SubDirectory	PD051325	HP Acquire Method		HP Processing Method	pd041825 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	Q2007-12	PD088517.D	13 May 2025 14:49	AR\AJ	Ok,M
23	Q2007-18	PD088518.D	13 May 2025 15:03	AR\AJ	Ok
24	Q2007-24	PD088519.D	13 May 2025 15:16	AR\AJ	Ok
25	Q2007-30	PD088520.D	13 May 2025 15:30	AR\AJ	Ok
26	Q2007-36	PD088521.D	13 May 2025 15:44	AR\AJ	Ok,M
27	PB167925BS	PD088522.D	13 May 2025 16:16	AR\AJ	Ok
28	I.BLK	PD088523.D	13 May 2025 16:35	AR\AJ	Ok
29	PSTDCCC050	PD088524.D	13 May 2025 16:48	AR\AJ	Ok,M
30	PB167959BL	PD088525.D	13 May 2025 17:02	AR\AJ	Ok
31	PB167959BS	PD088526.D	13 May 2025 17:15	AR\AJ	Ok
32	Q1982-08	PD088527.D	13 May 2025 17:29	AR\AJ	Ok,M
33	Q2010-01	PD088528.D	13 May 2025 17:43	AR\AJ	Ok,M
34	Q2010-02	PD088529.D	13 May 2025 17:56	AR\AJ	Ok
35	Q2010-03	PD088530.D	13 May 2025 18:10	AR\AJ	Ok
36	Q2010-04	PD088531.D	13 May 2025 18:24	AR\AJ	Ok
37	Q2014-01	PD088532.D	13 May 2025 18:38	AR\AJ	Ok,M
38	Q2014-03	PD088533.D	13 May 2025 18:51	AR\AJ	Ok,M
39	Q2014-05	PD088534.D	13 May 2025 19:05	AR\AJ	Not Ok
40	I.BLK	PD088535.D	13 May 2025 19:18	AR\AJ	Ok
41	PEM	PD088536.D	13 May 2025 19:32	AR\AJ	Ok,M
42	PSTDCCC050	PD088537.D	13 May 2025 19:46	AR\AJ	Ok,M
43	Q2017-01	PD088538.D	13 May 2025 19:59	AR\AJ	Ok
44	Q2017-05	PD088539.D	13 May 2025 20:13	AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051325

Review By	Abdul	Review On	5/14/2025 8:34:03 AM		
Supervise By	mohammad	Supervise On	5/20/2025 3:33:00 AM		
SubDirectory	PD051325	HP Acquire Method		HP Processing Method	pd041825 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	

45	I.BLK	PD088540.D	13 May 2025 20:27	AR\AJ	Ok
46	PSTDCCC050	PD088541.D	13 May 2025 20:40	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051525

Review By	Abdul	Review On	5/16/2025 10:10:37 AM		
Supervise By	mohammad	Supervise On	5/20/2025 2:54:45 AM		
SubDirectory	PD051525	HP Acquire Method		HP Processing Method	pd041825 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	PD088550.D	15 May 2025 08:34	AR\AJ	Ok
2	I.BLK	PD088551.D	15 May 2025 08:47	AR\AJ	Ok
3	PEM	PD088552.D	15 May 2025 09:18	AR\AJ	Ok,M
4	PSTDCCC050	PD088553.D	15 May 2025 09:32	AR\AJ	Ok
5	PCHLORCCC500	PD088554.D	15 May 2025 09:49	AR\AJ	Ok
6	PTOXCCC500	PD088555.D	15 May 2025 11:06	AR\AJ	Ok,M
7	PB167959BS	PD088556.D	15 May 2025 11:22	AR\AJ	Ok
8	PB167959BS	PD088557.D	15 May 2025 12:17	AR\AJ	Not Ok
9	Q1984-01	PD088558.D	15 May 2025 12:38	AR\AJ	Ok
10	Q1984-01MS	PD088559.D	15 May 2025 12:52	AR\AJ	Ok,M
11	Q1984-01MSD	PD088560.D	15 May 2025 13:05	AR\AJ	Ok,M
12	Q1984-03	PD088561.D	15 May 2025 13:19	AR\AJ	Ok
13	Q1984-05	PD088562.D	15 May 2025 13:33	AR\AJ	Ok
14	Q1984-07	PD088563.D	15 May 2025 13:46	AR\AJ	Ok,M
15	Q1984-09	PD088564.D	15 May 2025 14:00	AR\AJ	ReRun
16	I.BLK	PD088565.D	15 May 2025 14:14	AR\AJ	Ok,M
17	PSTDCCC050	PD088566.D	15 May 2025 15:11	AR\AJ	Ok,M
18	PCHLORCCC500	PD088567.D	15 May 2025 15:59	AR\AJ	Ok
19	PTOXCCC500	PD088568.D	15 May 2025 17:54	AR\AJ	Not Ok
20	Q1984-11	PD088569.D	15 May 2025 18:08	AR\AJ	ReRun
21	Q1984-13	PD088570.D	15 May 2025 18:22	AR\AJ	ReRun

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051525

Review By	Abdul	Review On	5/16/2025 10:10:37 AM		
Supervise By	mohammad	Supervise On	5/20/2025 2:54:45 AM		
SubDirectory	PD051525	HP Acquire Method		HP Processing Method	pd041825 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	Q1984-15	PD088571.D	15 May 2025 18:35	AR\AJ	ReRun
23	I.BLK	PD088572.D	15 May 2025 18:49	AR\AJ	Ok,M
24	PSTDCCC050	PD088573.D	15 May 2025 19:02	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD041825

Review By	Abdul	Review On	4/19/2025 2:07:56 PM		
Supervise By	mohammad	Supervise On	4/22/2025 2:20:46 AM		
SubDirectory	PD041825	HP Acquire Method		HP Processing Method	pd041825 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	PD088120.D	18 Apr 2025 13:02		AR\AJ	Ok
2	I.BLK	I.BLK	PD088121.D	18 Apr 2025 13:15		AR\AJ	Ok
3	PEM	PEM	PD088122.D	18 Apr 2025 13:29		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD088123.D	18 Apr 2025 13:43		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PD088124.D	18 Apr 2025 13:56		AR\AJ	Ok,M
6	PSTDICC075	PSTDICC075	PD088125.D	18 Apr 2025 14:10		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PD088126.D	18 Apr 2025 14:24		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD088127.D	18 Apr 2025 14:37		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PD088128.D	18 Apr 2025 14:51		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PD088129.D	18 Apr 2025 15:05		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PD088130.D	18 Apr 2025 15:18		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PD088131.D	18 Apr 2025 15:32		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PD088132.D	18 Apr 2025 15:46		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PD088133.D	18 Apr 2025 15:59		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PD088134.D	18 Apr 2025 16:13		AR\AJ	Ok,M
16	PTOXICC750	PTOXICC750	PD088135.D	18 Apr 2025 16:27		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD088136.D	18 Apr 2025 16:40		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD088137.D	18 Apr 2025 16:54		AR\AJ	Ok,M

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD041825

Review By	Abdul	Review On	4/19/2025 2:07:56 PM		
Supervise By	mohammad	Supervise On	4/22/2025 2:20:46 AM		
SubDirectory	PD041825	HP Acquire Method		HP Processing Method	pd041825 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	PD088138.D	18 Apr 2025 17:08		AR\AJ	Ok,M
20	PSTDICV050	ICVPD041825	PD088139.D	18 Apr 2025 17:21		AR\AJ	Ok
21	PCHLORICV500	ICVPD041825CHLOR	PD088140.D	18 Apr 2025 17:35		AR\AJ	Ok
22	PTOXICV500	ICVPD041825TOX	PD088141.D	18 Apr 2025 17:49		AR\AJ	Ok
23	I.BLK	I.BLK	PD088142.D	18 Apr 2025 18:02		AR\AJ	Ok
24	PEM	PEM	PD088143.D	18 Apr 2025 18:16		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PD088144.D	18 Apr 2025 18:30	ccc high	AR\AJ	Not Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051225

Review By	Abdul	Review On	5/13/2025 9:11:31 AM		
Supervise By	mohammad	Supervise On	5/14/2025 5:14:13 AM		
SubDirectory	PD051225	HP Acquire Method		HP Processing Method	pd041825 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	PD088461.D	12 May 2025 12:31		AR\AJ	Ok
2	I.BLK	I.BLK	PD088462.D	12 May 2025 12:44		AR\AJ	Ok
3	PEM	PEM	PD088463.D	12 May 2025 12:58		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD088464.D	12 May 2025 13:42		AR\AJ	Ok
5	PB167950BL	PB167950BL	PD088465.D	12 May 2025 15:16		AR\AJ	Ok
6	PB167950BS	PB167950BS	PD088466.D	12 May 2025 15:30		AR\AJ	Ok
7	Q2002-01	EO-02-05092025	PD088467.D	12 May 2025 15:43		AR\AJ	Ok,M
8	Q2007-01	OR-636-COMP-10	PD088468.D	12 May 2025 15:57		AR\AJ	Ok,M
9	Q2007-07	OR-636-COMP-11	PD088469.D	12 May 2025 16:11		AR\AJ	Ok,M
10	Q2007-13	OR-636-COMP-12	PD088470.D	12 May 2025 16:24		AR\AJ	Ok,M
11	Q2007-19	OR-636-COMP-13	PD088471.D	12 May 2025 16:38		AR\AJ	Ok,M
12	Q2007-25	OR-636-COMP-14	PD088472.D	12 May 2025 16:52		AR\AJ	Ok
13	Q2007-31	OR-636-COMP-15	PD088473.D	12 May 2025 17:05		AR\AJ	Ok,M
14	I.BLK	I.BLK	PD088474.D	12 May 2025 17:19		AR\AJ	Ok
15	PSTDCCC050	PSTDCCC050	PD088475.D	12 May 2025 17:32		AR\AJ	Ok
16	Q2004-01	VNJ-220	PD088476.D	12 May 2025 17:46		AR\AJ	Ok
17	Q2004-03	2811	PD088477.D	12 May 2025 18:00		AR\AJ	Ok,M
18	Q2004-05	R0202	PD088478.D	12 May 2025 18:14		AR\AJ	Ok,M

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051225

Review By	Abdul	Review On	5/13/2025 9:11:31 AM		
Supervise By	mohammad	Supervise On	5/14/2025 5:14:13 AM		
SubDirectory	PD051225	HP Acquire Method		HP Processing Method	pd041825 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	Q2004-07	205510	PD088479.D	12 May 2025 18:27		AR\AJ	Ok
20	Q2004-09	SOIL-STOCK	PD088480.D	12 May 2025 18:41		AR\AJ	Ok
21	Q2004-11	STONE-STOCK	PD088481.D	12 May 2025 18:54		AR\AJ	Ok
22	I.BLK	I.BLK	PD088482.D	12 May 2025 19:08		AR\AJ	Ok
23	PEM	PEM	PD088483.D	12 May 2025 19:22		AR\AJ	Ok,M
24	PSTDCCC050	PSTDCCC050	PD088484.D	12 May 2025 19:35		AR\AJ	Ok
25	Q1982-01	TP-1	PD088485.D	12 May 2025 19:49	need Cleanup	AR\AJ	Not Ok
26	Q1982-01MS	TP-1MS	PD088486.D	12 May 2025 20:03		AR\AJ	Ok
27	Q1982-01MSD	TP-1MSD	PD088487.D	12 May 2025 20:16		AR\AJ	Ok
28	Q1982-02	TP-2B	PD088488.D	12 May 2025 20:30	need Cleanup	AR\AJ	Not Ok
29	Q1982-03	TP-3	PD088489.D	12 May 2025 20:44		AR\AJ	Ok
30	Q1982-04	TP-4	PD088490.D	12 May 2025 20:57	need Cleanup	AR\AJ	Not Ok
31	Q1982-05	TP-5	PD088491.D	12 May 2025 21:11	need Cleanup	AR\AJ	Not Ok
32	Q1982-06	TP-6	PD088492.D	12 May 2025 21:25		AR\AJ	Ok,M
33	Q1982-07	TP-8	PD088493.D	12 May 2025 21:38	need Cleanup	AR\AJ	Not Ok
34	I.BLK	I.BLK	PD088494.D	12 May 2025 21:52		AR\AJ	Ok
35	PSTDCCC050	PSTDCCC050	PD088495.D	13 May 2025 02:17		AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051325

Review By	Abdul	Review On	5/14/2025 8:34:03 AM		
Supervise By	mohammad	Supervise On	5/20/2025 3:33:00 AM		
SubDirectory	PD051325	HP Acquire Method		HP Processing Method	pd041825 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	PD088496.D	13 May 2025 09:14		AR\AJ	Ok
2	I.BLK	I.BLK	PD088497.D	13 May 2025 09:28		AR\AJ	Ok
3	PEM	PEM	PD088498.D	13 May 2025 09:41		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD088499.D	13 May 2025 09:55		AR\AJ	Ok,M
5	PB167950BL	PB167950BL	PD088500.D	13 May 2025 10:08	Not used	AR\AJ	Not Ok
6	Q1982-01	TP-1	PD088501.D	13 May 2025 10:22		AR\AJ	Ok
7	Q1982-02	TP-2B	PD088502.D	13 May 2025 10:35		AR\AJ	Ok,M
8	Q1982-04	TP-4	PD088503.D	13 May 2025 10:49		AR\AJ	Ok,M
9	Q1982-05	TP-5	PD088504.D	13 May 2025 11:02		AR\AJ	Ok
10	Q1982-07	TP-8	PD088505.D	13 May 2025 11:16		AR\AJ	Ok,M
11	PB167925BL	PB167925BL	PD088506.D	13 May 2025 11:29		AR\AJ	Ok
12	Q1983-01DL	OR-636-COMP-01DL	PD088507.D	13 May 2025 11:43		AR\AJ	Ok,M
13	PB167969BL	PB167969BL	PD088508.D	13 May 2025 11:57		AR\AJ	Ok
14	PB167969BS	PB167969BS	PD088509.D	13 May 2025 12:10		AR\AJ	Ok
15	PB167851TB	PB167851TB	PD088510.D	13 May 2025 12:24		AR\AJ	Ok
16	Q1956-05	COMP1	PD088511.D	13 May 2025 12:37		AR\AJ	Ok
17	Q1956-05MS	COMP1MS	PD088512.D	13 May 2025 12:51		AR\AJ	Ok,M
18	Q1956-05MSD	COMP1MSD	PD088513.D	13 May 2025 13:04		AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051325

Review By	Abdul	Review On	5/14/2025 8:34:03 AM		
Supervise By	mohammad	Supervise On	5/20/2025 3:33:00 AM		
SubDirectory	PD051325	HP Acquire Method		HP Processing Method	pd041825 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	I.BLK	I.BLK	PD088514.D	13 May 2025 13:18		AR\AJ	Ok
20	PSTDCCC050	PSTDCCC050	PD088515.D	13 May 2025 14:22		AR\AJ	Ok,M
21	Q2007-06	OR-636-COMP-10	PD088516.D	13 May 2025 14:35		AR\AJ	Ok
22	Q2007-12	OR-636-COMP-11	PD088517.D	13 May 2025 14:49		AR\AJ	Ok,M
23	Q2007-18	OR-636-COMP-12	PD088518.D	13 May 2025 15:03		AR\AJ	Ok
24	Q2007-24	OR-636-COMP-13	PD088519.D	13 May 2025 15:16		AR\AJ	Ok
25	Q2007-30	OR-636-COMP-14	PD088520.D	13 May 2025 15:30		AR\AJ	Ok
26	Q2007-36	OR-636-COMP-15	PD088521.D	13 May 2025 15:44		AR\AJ	Ok,M
27	PB167925BS	PB167925BS	PD088522.D	13 May 2025 16:16		AR\AJ	Ok
28	I.BLK	I.BLK	PD088523.D	13 May 2025 16:35		AR\AJ	Ok
29	PSTDCCC050	PSTDCCC050	PD088524.D	13 May 2025 16:48		AR\AJ	Ok,M
30	PB167959BL	PB167959BL	PD088525.D	13 May 2025 17:02		AR\AJ	Ok
31	PB167959BS	PB167959BS	PD088526.D	13 May 2025 17:15		AR\AJ	Ok
32	Q1982-08	TP-9	PD088527.D	13 May 2025 17:29		AR\AJ	Ok,M
33	Q2010-01	TP-10	PD088528.D	13 May 2025 17:43		AR\AJ	Ok,M
34	Q2010-02	TP-13	PD088529.D	13 May 2025 17:56		AR\AJ	Ok
35	Q2010-03	TP-14	PD088530.D	13 May 2025 18:10		AR\AJ	Ok
36	Q2010-04	TP-17	PD088531.D	13 May 2025 18:24		AR\AJ	Ok
37	Q2014-01	MOO-25-0134	PD088532.D	13 May 2025 18:38		AR\AJ	Ok,M

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051325

Review By	Abdul	Review On	5/14/2025 8:34:03 AM		
Supervise By	mohammad	Supervise On	5/20/2025 3:33:00 AM		
SubDirectory	PD051325	HP Acquire Method		HP Processing Method	pd041825 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	

38	Q2014-03	MOO-25-0145	PD088533.D	13 May 2025 18:51		AR\AJ	Ok,M
39	Q2014-05	MOO-25-0148	PD088534.D	13 May 2025 19:05	F flag in TCX	AR\AJ	Not Ok
40	I.BLK	I.BLK	PD088535.D	13 May 2025 19:18		AR\AJ	Ok
41	PEM	PEM	PD088536.D	13 May 2025 19:32		AR\AJ	Ok,M
42	PSTDCCC050	PSTDCCC050	PD088537.D	13 May 2025 19:46		AR\AJ	Ok,M
43	Q2017-01	MH-I	PD088538.D	13 May 2025 19:59		AR\AJ	Ok
44	Q2017-05	MH-J	PD088539.D	13 May 2025 20:13		AR\AJ	Ok
45	I.BLK	I.BLK	PD088540.D	13 May 2025 20:27		AR\AJ	Ok
46	PSTDCCC050	PSTDCCC050	PD088541.D	13 May 2025 20:40		AR\AJ	Ok,M

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051525

Review By	Abdul	Review On	5/16/2025 10:10:37 AM		
Supervise By	mohammad	Supervise On	5/20/2025 2:54:45 AM		
SubDirectory	PD051525	HP Acquire Method		HP Processing Method	pd041825 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	PD088550.D	15 May 2025 08:34		AR\AJ	Ok
2	I.BLK	I.BLK	PD088551.D	15 May 2025 08:47		AR\AJ	Ok
3	PEM	PEM	PD088552.D	15 May 2025 09:18		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD088553.D	15 May 2025 09:32		AR\AJ	Ok
5	PCHLORCCC500	PCHLORCCC500	PD088554.D	15 May 2025 09:49		AR\AJ	Ok
6	PTOXCCC500	PTOXCCC500	PD088555.D	15 May 2025 11:06		AR\AJ	Ok,M
7	PB167959BS	PB167959BS	PD088556.D	15 May 2025 11:22	CHLOR BS	AR\AJ	Ok
8	PB167959BS	PB167959BS	PD088557.D	15 May 2025 12:17	TOX BS, ENC ccal fail	AR\AJ	Not Ok
9	Q1984-01	OU4-PCS-TC-33-05072	PD088558.D	15 May 2025 12:38		AR\AJ	Ok
10	Q1984-01MS	OU4-PCS-TC-33-05072	PD088559.D	15 May 2025 12:52		AR\AJ	Ok,M
11	Q1984-01MSD	OU4-PCS-TC-33-05072	PD088560.D	15 May 2025 13:05		AR\AJ	Ok,M
12	Q1984-03	OU4-PCS-TC-34-05072	PD088561.D	15 May 2025 13:19		AR\AJ	Ok
13	Q1984-05	OU4-PCS-TC-35-05072	PD088562.D	15 May 2025 13:33		AR\AJ	Ok
14	Q1984-07	OU4-TS-24-050725	PD088563.D	15 May 2025 13:46		AR\AJ	Ok,M
15	Q1984-09	OU4-TS-25-050725	PD088564.D	15 May 2025 14:00	DCB Low in both column	AR\AJ	ReRun
16	I.BLK	I.BLK	PD088565.D	15 May 2025 14:14		AR\AJ	Ok,M
17	PSTDCCC050	PSTDCCC050	PD088566.D	15 May 2025 15:11		AR\AJ	Ok,M
18	PCHLORCCC500	PCHLORCCC500	PD088567.D	15 May 2025 15:59		AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051525

Review By	Abdul	Review On	5/16/2025 10:10:37 AM		
Supervise By	mohammad	Supervise On	5/20/2025 2:54:45 AM		
SubDirectory	PD051525	HP Acquire Method		HP Processing Method	pd041825 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	PTOXCCC500	PTOXCCC500	PD088568.D	15 May 2025 17:54	CCAL fail	AR\AJ	Not Ok
20	Q1984-11	OU4-TS-26-050725	PD088569.D	15 May 2025 18:08	DCB Low in both column	AR\AJ	ReRun
21	Q1984-13	OU4-TS-27-050725	PD088570.D	15 May 2025 18:22	DCB Low in both column	AR\AJ	ReRun
22	Q1984-15	OU4-TS-28-050725	PD088571.D	15 May 2025 18:35	DCB Low in both column	AR\AJ	ReRun
23	I.BLK	I.BLK	PD088572.D	15 May 2025 18:49		AR\AJ	Ok,M
24	PSTDCCC050	PSTDCCC050	PD088573.D	15 May 2025 19:02	Comp#2 high in 1st column	AR\AJ	Ok,M

M : Manual Integration

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EXTRACTION LOGPAGE

PB167950

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Florisil			**Extraction Start Date :**	05/12/2025
Matrix :	Solid			**Extraction Start Time :**	09:05
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	05/12/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:15
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24285
Surrogate	1.0ML	200 PPB	PP24460
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	EP2611
Sand	N/A	E2865
Hexane	N/A	E3933
Florisil	N/A	E3806
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:

40 ML Vial lot# 03-40 BTS723.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/12/25	RS (Ext Lab)	R. Pest/PCB Lab
12:20	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167950

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 05/12/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167950BL	PBLK950	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			U1-1
PB167950BS	PLCS950	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			2
Q1982-01	TP-1	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		3
Q1982-01MS	TP-1MS	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		4
Q1982-01MSD	TP-1MSD	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		5
Q1982-02	TP-2B	Pesticide-TCL	30.10	N/A	ritesh	Evelyn	10	E		6
Q1982-03	TP-3	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		U2-1
Q1982-04	TP-4	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		2
Q1982-05	TP-5	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		3
Q1982-06	TP-6	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		4
Q1982-07	TP-8	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		5
Q2002-01	EO-02-05092025	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		6
Q2004-01	VNJ-220	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		U3-1
Q2004-03	2811	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		2
Q2004-05	R0202	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		3
Q2004-07	205510	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		4
Q2004-09	SOIL-STOCK	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		5
Q2004-11	STONE-STOCK	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	B	Stone	6
Q2007-01	OR-636-COMP-10	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		U7-1
Q2007-07	OR-636-COMP-11	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		2
Q2007-13	OR-636-COMP-12	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		3
Q2007-19	OR-636-COMP-13	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		4
Q2007-25	OR-636-COMP-14	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		5
Q2007-31	OR-636-COMP-15	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		6

RG 5/12

* **Extracts relinquished on the same date as received.**

189795
9-05
Q1982

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1982 **WorkList ID :** 189439 **Department :** Extraction **Date :** 05-12-2025 08:58:05

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1982-01	TP-1	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/07/2025	8081B
Q1982-02	TP-2B	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/07/2025	8081B
Q1982-03	TP-3	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/07/2025	8081B
Q1982-04	TP-4	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/07/2025	8081B
Q1982-05	TP-5	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/07/2025	8081B
Q1982-06	TP-6	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/07/2025	8081B
Q1982-07	TP-8	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/07/2025	8081B
Q2002-01	EO-02-05092025	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	L41	05/09/2025	8081B
Q2004-01	VNJ-220	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/09/2025	8081B
Q2004-03	2811	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/09/2025	8081B
Q2004-05	R0202	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/09/2025	8081B
Q2004-07	205510	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/09/2025	8081B
Q2004-09	SOIL-STOCK	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/09/2025	8081B
Q2004-11	STONE-STOCK	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/09/2025	8081B
Q2007-01	OR-636-COMP-10	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/09/2025	8081B
Q2007-07	OR-636-COMP-11	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/09/2025	8081B
Q2007-13	OR-636-COMP-12	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/09/2025	8081B
Q2007-19	OR-636-COMP-13	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/09/2025	8081B
Q2007-25	OR-636-COMP-14	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/09/2025	8081B
Q2007-31	OR-636-COMP-15	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/09/2025	8081B

RJ 5/16

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Date/Time 5/12/25 9:00
Raw Sample Received by: RJ (Ext Lab)
Raw Sample Relinquished by: CP SM

Date/Time 5/12/25 9:36
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RJ (Ext Lab)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167959

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Florisil			**Extraction Start Date :**	05/13/2025
Matrix :	Solid			**Extraction Start Time :**	08:30
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	05/13/2025
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	500 PPB	PP24285
Surrogate	1.0ML	200 PPB	PP24460
Spike Sol 2	2.0ML	1000 PPB	PP24081
Spike Sol 3	2.0ML	1000 PPB	PP24080
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	EP2611
Sand	N/A	E2865
Hexane	N/A	E3933
Florisil	N/A	E3806
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
5/13/25	RJ (Ext-lab)	PEST/PCB Lab
11:45	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167959

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 05/13/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167959BL	PBLK959	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			U1-1
PB167959BS	PLCS959	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			2
Q1982-08	TP-9	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		3
Q1984-01	OU4-PCS-TC-33-050725	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		4
Q1984-01MS	OU4-PCS-TC-33-050725MS	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		5
Q1984-01MSD	OU4-PCS-TC-33-050725MSD	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		6
Q1984-03	OU4-PCS-TC-34-050725	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		U2-1
Q1984-05	OU4-PCS-TC-35-050725	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		2
Q1984-07	OU4-TS-24-050725	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		3
Q1984-09	OU4-TS-25-050725	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		4
Q1984-11	OU4-TS-26-050725	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		5
Q1984-13	OU4-TS-27-050725	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		6
Q1984-15	OU4-TS-28-050725	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		U3-1
Q2010-01	TP-10	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		2
Q2010-02	TP-13	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		3
Q2010-03	TP-14	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		4
Q2010-04	TP-17	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		5
Q2014-01	MOO-25-0134	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E	Small Particles	6
Q2014-03	MOO-25-0145	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E	Small Particles	U7-1
Q2014-05	MOO-25-0148	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E	Small Particles	2
Q2017-01	MH-I	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		3
Q2017-05	MH-J	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	A		4

RJ 5/13

* **Extracts relinquished on the same date as received.**

Q1982 1659 8:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2010 **WorkList ID :** 189474 **Department :** Extraction **Date :** 05-13-2025 08:25:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1982-08	TP-9	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/07/2025	8081B
Q1984-01	OU4-PCS-TC-33-050725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	05/07/2025	8081B
Q1984-03	OU4-PCS-TC-34-050725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	05/07/2025	8081B
Q1984-05	OU4-PCS-TC-35-050725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	05/07/2025	8081B
Q1984-07	OU4-TS-24-050725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	05/07/2025	8081B
Q1984-09	OU4-TS-25-050725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	05/07/2025	8081B
Q1984-11	OU4-TS-26-050725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	05/07/2025	8081B
Q1984-13	OU4-TS-27-050725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	05/07/2025	8081B
Q1984-15	OU4-TS-28-050725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	05/07/2025	8081B
Q2010-01	TP-10	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L51	05/08/2025	8081B
Q2010-02	TP-13	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L51	05/08/2025	8081B
Q2010-03	TP-14	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L51	05/08/2025	8081B
Q2010-04	TP-17	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L51	05/08/2025	8081B
Q2014-01	MOO-25-0134	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/12/2025	8081B
Q2014-03	MOO-25-0145	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/12/2025	8081B
Q2014-05	MOO-25-0148	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/12/2025	8081B
Q2017-01	MH-I	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/12/2025	8081B
Q2017-05	MH-J	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/12/2025	8081B

RS 5/16

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Date/Time 5/13/25 8:25
Raw Sample Received by: RJ (EXT Lab)
Raw Sample Relinquished by: CP SM

Date/Time 5/13/25 9:05
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RJ (EXT Lab)

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

LAB CHRONICLE

OrderID:	Q1982	**OrderDate:**	5/7/2025 3:20:42 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
Q1982-01	**TP-1**	**SOIL**			**05/06/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/13/25	05/13/25	
			Pesticide-TCL	8081B		05/12/25	05/13/25	
			Gasoline Range Organics	8015D			05/12/25	
Q1982-02	**TP-2B**	**SOIL**			**05/06/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/13/25	05/13/25	
			Pesticide-TCL	8081B		05/12/25	05/13/25	
Q1982-03	**TP-3**	**SOIL**			**05/06/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/13/25	05/13/25	
			Pesticide-TCL	8081B		05/12/25	05/12/25	
Q1982-04	**TP-4**	**SOIL**			**05/07/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/13/25	05/13/25	
			Pesticide-TCL	8081B		05/12/25	05/13/25	
Q1982-05	**TP-5**	**SOIL**			**05/07/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/13/25	05/13/25	
			Pesticide-TCL	8081B		05/12/25	05/13/25	
Q1982-06	**TP-6**	**SOIL**			**05/07/25**			**05/07/25**

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LAB CHRONICLE

			Diesel Range Organics	8015D		05/13/25	05/13/25
			Gasoline Range Organics	8015D			05/13/25
			PCB	8082A		05/13/25	05/13/25
			Pesticide-TCL	8081B		05/12/25	05/12/25
Q1982-07	**TP-8**	**SOIL**			**05/07/25**		**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25
			Gasoline Range Organics	8015D			05/14/25
			PCB	8082A		05/13/25	05/13/25
			Pesticide-TCL	8081B		05/12/25	05/13/25
Q1982-08	**TP-9**	**SOIL**			**05/07/25**		**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25
			Gasoline Range Organics	8015D			05/13/25
			PCB	8082A		05/13/25	05/13/25
			Pesticide-TCL	8081B		05/13/25	05/13/25

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q1982 **Order ID:** Q1982

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

SAMPLE DATA

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-1	SDG No.:	Q1982
Lab Sample ID:	Q1982-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	80.9 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
PO111034.D	1	05/13/25 08:30	05/13/25 14:01	PB167972

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.90	U	4.90	21.0	ug/kg
11104-28-2	Aroclor-1221	5.00	U	5.00	21.0	ug/kg
11141-16-5	Aroclor-1232	4.60	U	4.60	21.0	ug/kg
53469-21-9	Aroclor-1242	5.00	U	5.00	21.0	ug/kg
12672-29-6	Aroclor-1248	7.30	U	7.30	21.0	ug/kg
11097-69-1	Aroclor-1254	4.00	U	4.00	21.0	ug/kg
37324-23-5	Aroclor-1262	6.20	U	6.20	21.0	ug/kg
11100-14-4	Aroclor-1268	4.40	U	4.40	21.0	ug/kg
11096-82-5	Aroclor-1260	4.00	U	4.00	21.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.9		32 - 144	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.4		32 - 175	77%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-2B	SDG No.:	Q1982
Lab Sample ID:	Q1982-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	85 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
PO111035.D	1	05/13/25 08:30	05/13/25 14:19	PB167972

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.60	U	4.60	20.0	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	20.0	ug/kg
11141-16-5	Aroclor-1232	4.40	U	4.40	20.0	ug/kg
53469-21-9	Aroclor-1242	4.70	U	4.70	20.0	ug/kg
12672-29-6	Aroclor-1248	7.00	U	7.00	20.0	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	20.0	ug/kg
37324-23-5	Aroclor-1262	5.90	U	5.90	20.0	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	20.0	ug/kg
11096-82-5	Aroclor-1260	3.80	U	3.80	20.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.8		32 - 144	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.3		32 - 175	87%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-3	SDG No.:	Q1982
Lab Sample ID:	Q1982-03	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	90.7 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111036.D	1	05/13/25 08:30	05/13/25 14:37	PB167972

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.30	U	4.30	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	23.4		32 - 144	117%	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
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-4	SDG No.:	Q1982
Lab Sample ID:	Q1982-04	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	87.4 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072009.D	1	05/13/25 08:30	05/13/25 13:02	PB167972

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.50	U	4.50	19.4	ug/kg
11104-28-2	Aroclor-1221	4.60	U	4.60	19.4	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.4	ug/kg
53469-21-9	Aroclor-1242	4.60	U	4.60	19.4	ug/kg
12672-29-6	Aroclor-1248	6.80	U	6.80	19.4	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.4	ug/kg
37324-23-5	Aroclor-1262	5.70	U	5.70	19.4	ug/kg
11100-14-4	Aroclor-1268	4.10	U	4.10	19.4	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	19.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.5		32 - 144	113%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.3		32 - 175	91%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-5	SDG No.:	Q1982
Lab Sample ID:	Q1982-05	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	89.9 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
PP072010.D	1	05/13/25 08:30	05/13/25 13:18	PB167972

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.40	U	4.40	18.9	ug/kg
11104-28-2	Aroclor-1221	4.50	U	4.50	18.9	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	18.9	ug/kg
53469-21-9	Aroclor-1242	4.50	U	4.50	18.9	ug/kg
12672-29-6	Aroclor-1248	6.60	U	6.60	18.9	ug/kg
11097-69-1	Aroclor-1254	3.60	U	3.60	18.9	ug/kg
37324-23-5	Aroclor-1262	5.60	U	5.60	18.9	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	18.9	ug/kg
11096-82-5	Aroclor-1260	3.60	U	3.60	18.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.5		32 - 144	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.4		32 - 175	87%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-6	SDG No.:	Q1982
Lab Sample ID:	Q1982-06	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86.2 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
PP072011.D	1	05/13/25 08:30	05/13/25 13:35	PB167972

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	21.6		32 - 144	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.0		32 - 175	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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-8	SDG No.:	Q1982
Lab Sample ID:	Q1982-07	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
PP072012.D	1	05/13/25 08:30	05/13/25 13:51	PB167972

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	21.8		32 - 144	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.6		32 - 175	103%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-9	SDG No.:	Q1982
Lab Sample ID:	Q1982-08	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	81.3 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
PP072013.D	1	05/13/25 08:30	05/13/25 14:07	PB167972

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.90	U	4.90	20.9	ug/kg
11104-28-2	Aroclor-1221	5.00	U	5.00	20.9	ug/kg
11141-16-5	Aroclor-1232	4.60	U	4.60	20.9	ug/kg
53469-21-9	Aroclor-1242	4.90	U	4.90	20.9	ug/kg
12672-29-6	Aroclor-1248	7.30	U	7.30	20.9	ug/kg
11097-69-1	Aroclor-1254	3.90	U	3.90	20.9	ug/kg
37324-23-5	Aroclor-1262	6.20	U	6.20	20.9	ug/kg
11100-14-4	Aroclor-1268	4.40	U	4.40	20.9	ug/kg
11096-82-5	Aroclor-1260	4.00	U	4.00	20.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.3		32 - 144	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.7		32 - 175	93%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

QC SUMMARY

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

SDG No.: Q1982

Client: CDM Smith

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PO110891.D	PIBLK-PO110891.D	Tetrachloro-m-xylene	1	20	16.1	81		60	140
		Decachlorobiphenyl	1	20	18.1	91		60	140
		Tetrachloro-m-xylene	2	20	15.2	76		60	140
		Decachlorobiphenyl	2	20	18.1	90		60	140
I.BLK-PO111030.D	PIBLK-PO111030.D	Tetrachloro-m-xylene	1	20	16.1	81		60	140
		Decachlorobiphenyl	1	20	13.2	66		60	140
		Tetrachloro-m-xylene	2	20	15.9	80		60	140
		Decachlorobiphenyl	2	20	16.3	82		60	140
PB167972BL	PB167972BL	Tetrachloro-m-xylene	1	20	20.6	103		32	144
		Decachlorobiphenyl	1	20	16.9	84		32	175
		Tetrachloro-m-xylene	2	20	20.4	102		32	144
		Decachlorobiphenyl	2	20	20.4	102		32	175
PB167972BS	PB167972BS	Tetrachloro-m-xylene	1	20	18.5	92		32	144
		Decachlorobiphenyl	1	20	16.4	82		32	175
		Tetrachloro-m-xylene	2	20	18.7	93		32	144
		Decachlorobiphenyl	2	20	20.1	100		32	175
Q1982-01	TP-1	Tetrachloro-m-xylene	1	20	18.6	93		32	144
		Decachlorobiphenyl	1	20	12.6	63		32	175
		Tetrachloro-m-xylene	2	20	18.9	94		32	144
		Decachlorobiphenyl	2	20	15.4	77		32	175
Q1982-02	TP-2B	Tetrachloro-m-xylene	1	20	20.6	103		32	144
		Decachlorobiphenyl	1	20	13.6	68		32	175
		Tetrachloro-m-xylene	2	20	20.8	104		32	144
		Decachlorobiphenyl	2	20	17.3	87		32	175
Q1982-03	TP-3	Tetrachloro-m-xylene	1	20	23.0	115		32	144
		Decachlorobiphenyl	1	20	17.3	86		32	175
		Tetrachloro-m-xylene	2	20	23.4	117		32	144
		Decachlorobiphenyl	2	20	22.2	111		32	175
Q2017-01MS	MH-IMS	Tetrachloro-m-xylene	1	20	19.8	99		32	144
		Decachlorobiphenyl	1	20	14.9	75		32	175
		Tetrachloro-m-xylene	2	20	20.6	103		32	144
		Decachlorobiphenyl	2	20	19.0	95		32	175
Q2017-01MSD	MH-IMSD	Tetrachloro-m-xylene	1	20	19.0	95		32	144
		Decachlorobiphenyl	1	20	14.2	71		32	175
		Tetrachloro-m-xylene	2	20	19.6	98		32	144
		Decachlorobiphenyl	2	20	18.4	92		32	175
I.BLK-PO111045.D	PIBLK-PO111045.D	Tetrachloro-m-xylene	1	20	16.4	82		60	140
		Decachlorobiphenyl	1	20	13.4	67		60	140
		Tetrachloro-m-xylene	2	20	16.2	81		60	140
		Decachlorobiphenyl	2	20	16.5	83		60	140
I.BLK-PP071388.D	PIBLK-PP071388.D	Tetrachloro-m-xylene	1	20	17.1	85		60	140

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Surrogate Summary

SDG No.: Q1982

Client: CDM Smith

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PP071388.D	PIBLK-PP071388.D	Decachlorobiphenyl	1	20	17.6	88		60	140
		Tetrachloro-m-xylene	2	20	17.2	86		60	140
		Decachlorobiphenyl	2	20	17.6	88		60	140
I.BLK-PP072007.D	PIBLK-PP072007.D	Tetrachloro-m-xylene	1	20	17.1	85		60	140
		Decachlorobiphenyl	1	20	19.1	95		60	140
		Tetrachloro-m-xylene	2	20	19.7	98		60	140
		Decachlorobiphenyl	2	20	21.8	109		60	140
Q1982-04	TP-4	Tetrachloro-m-xylene	1	20	19.6	98		32	144
		Decachlorobiphenyl	1	20	15.9	79		32	175
		Tetrachloro-m-xylene	2	20	22.5	113		32	144
		Decachlorobiphenyl	2	20	18.3	91		32	175
Q1982-05	TP-5	Tetrachloro-m-xylene	1	20	18.2	91		32	144
		Decachlorobiphenyl	1	20	15.4	77		32	175
		Tetrachloro-m-xylene	2	20	20.5	102		32	144
		Decachlorobiphenyl	2	20	17.4	87		32	175
Q1982-06	TP-6	Tetrachloro-m-xylene	1	20	19.1	96		32	144
		Decachlorobiphenyl	1	20	17.5	87		32	175
		Tetrachloro-m-xylene	2	20	21.6	108		32	144
		Decachlorobiphenyl	2	20	20.0	100		32	175
Q1982-07	TP-8	Tetrachloro-m-xylene	1	20	19.1	95		32	144
		Decachlorobiphenyl	1	20	17.9	90		32	175
		Tetrachloro-m-xylene	2	20	21.8	109		32	144
		Decachlorobiphenyl	2	20	20.6	103		32	175
Q1982-08	TP-9	Tetrachloro-m-xylene	1	20	18.1	90		32	144
		Decachlorobiphenyl	1	20	15.8	79		32	175
		Tetrachloro-m-xylene	2	20	21.3	106		32	144
		Decachlorobiphenyl	2	20	18.7	93		32	175
I.BLK-PP072022.D	PIBLK-PP072022.D	Tetrachloro-m-xylene	1	20	17.2	86		60	140
		Decachlorobiphenyl	1	20	19.0	95		60	140
		Tetrachloro-m-xylene	2	20	19.9	99		60	140
		Decachlorobiphenyl	2	20	21.2	106		60	140

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1982 **Analytical Method:** 8082A

Client: CDM Smith **DataFile :** PO111038.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:	**MH-IMS**											
Q2017-01MS (Column 1)	AR1016	198	0	198	ug/kg	100				55	146	
	AR1260	198	0	168	ug/kg	85				31	146	
Client Sample ID:	**MH-IMS**											
Q2017-01MS (Column 2)	AR1016	198	0	231	ug/kg	117				55	146	
	AR1260	198	0	203	ug/kg	103				31	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1982 **Analytical Method:** 8082A

Client: CDM Smith **DataFile :** PO111039.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:	**MH-IMSD**											
Q2017-01MSD (Column 1)	AR1016	197.7	0	189	ug/kg	96		4		55	146	20
	AR1260	197.7	0	161	ug/kg	81		5		31	146	20
Client Sample ID:	**MH-IMSD**											
Q2017-01MSD (Column 2)	AR1016	197.7	0	219	ug/kg	111		5		55	146	20
	AR1260	197.7	0	194	ug/kg	98		5		31	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1982 **Analytical Method:** 8082A

Client: CDM Smith **Datafile :** PO111033.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167972BS (Column 1)	AR1016	166.5	148	ug/kg	89				71	120	
	AR1260	166.5	136	ug/kg	82				65	130	
PB167972BS (Column 2)	AR1016	166.5	170	ug/kg	102				71	120	
	AR1260	166.5	161	ug/kg	97				65	130	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167972BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

Lab Sample ID: PB167972BL Lab File ID: PO111032.D

Matrix: (soil/water) Solid Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 05/13/2025

Date Analyzed (1): 05/13/2025 Date Analyzed (2): 05/13/2025

Time Analyzed (1): 13:24 Time Analyzed (2): 13:24

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)

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
PB167972BS	PB167972BS	PO111033.D	05/13/2025	05/13/2025
TP-1	Q1982-01	PO111034.D	05/13/2025	05/13/2025
TP-2B	Q1982-02	PO111035.D	05/13/2025	05/13/2025
TP-3	Q1982-03	PO111036.D	05/13/2025	05/13/2025
MH-IMS	Q2017-01MS	PO111038.D	05/13/2025	05/13/2025
MH-IMSD	Q2017-01MSD	PO111039.D	05/13/2025	05/13/2025
TP-4	Q1982-04	PP072009.D	05/13/2025	05/13/2025
TP-5	Q1982-05	PP072010.D	05/13/2025	05/13/2025
TP-6	Q1982-06	PP072011.D	05/13/2025	05/13/2025
TP-8	Q1982-07	PP072012.D	05/13/2025	05/13/2025
TP-9	Q1982-08	PP072013.D	05/13/2025	05/13/2025

COMMENTS:

QC SAMPLE DATA

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB167972BL	SDG No.:	Q1982
Lab Sample ID:	PB167972BL	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
PO111032.D	1	05/13/25 08:30	05/13/25 13:24	PB167972

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	20.6		32 - 144	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.4		32 - 175	102%	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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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	South River WM Replacement	Date Received:	05/02/25
Client Sample ID:	PIBLK-PO110891.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PO110891.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
PO110891.D	1		05/02/25	PO050225

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	15.2		60 - 140	76%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.1		60 - 140	90%	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
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:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	PIBLK-PO111030.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PO111030.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
PO111030.D	1		05/13/25	po051325

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	15.9		60 - 140	80%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.2		60 - 140	66%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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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
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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:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	PIBLK-PO111045.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PO111045.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
PO111045.D	1		05/13/25	po051325

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	16.2		60 - 140	81%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.4		60 - 140	67%	SPK: 20

Comments:

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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
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D = Dilution
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	04/22/25
Project:	South River WM Replacement	Date Received:	04/22/25
Client Sample ID:	PIBLK-PP071388.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PP071388.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
PP071388.D	1		04/22/25	PP042225

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	17.1		60 - 140	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.6		60 - 140	88%	SPK: 20

Comments:

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MDL = Method Detection Limit
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Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	PIBLK-PP072007.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PP072007.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
PP072007.D	1		05/13/25	pp051325

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	17.1		60 - 140	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.1		60 - 140	95%	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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	PIBLK-PP072022.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PP072022.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
PP072022.D	1		05/13/25	pp051325

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	17.2		60 - 140	86%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.0		60 - 140	95%	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
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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB167972BS	SDG No.:	Q1982
Lab Sample ID:	PB167972BS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111033.D	1	05/13/25 08:30	05/13/25 13:42	PB167972

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	170		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	161		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.7		32 - 144	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.1		32 - 175	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:	05/12/25
Project:	South River WM Replacement	Date Received:	05/12/25
Client Sample ID:	MH-IMS	SDG No.:	Q1982
Lab Sample ID:	Q2017-01MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	84.1 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111038.D	1	05/13/25 08:30	05/13/25 15:14	PB167972

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	231		4.70	20.2	ug/kg
11104-28-2	Aroclor-1221	4.80	U	4.80	20.2	ug/kg
11141-16-5	Aroclor-1232	4.40	U	4.40	20.2	ug/kg
53469-21-9	Aroclor-1242	4.80	U	4.80	20.2	ug/kg
12672-29-6	Aroclor-1248	7.00	U	7.00	20.2	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	20.2	ug/kg
37324-23-5	Aroclor-1262	6.00	U	6.00	20.2	ug/kg
11100-14-4	Aroclor-1268	4.30	U	4.30	20.2	ug/kg
11096-82-5	Aroclor-1260	203		3.80	20.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.6		32 - 144	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.0		32 - 175	95%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/12/25
Project:	South River WM Replacement	Date Received:	05/12/25
Client Sample ID:	MH-IMSD	SDG No.:	Q1982
Lab Sample ID:	Q2017-01MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	84.1 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
PO111039.D	1	05/13/25 08:30	05/13/25 15:32	PB167972

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	219		4.70	20.2	ug/kg
11104-28-2	Aroclor-1221	4.80	U	4.80	20.2	ug/kg
11141-16-5	Aroclor-1232	4.40	U	4.40	20.2	ug/kg
53469-21-9	Aroclor-1242	4.80	U	4.80	20.2	ug/kg
12672-29-6	Aroclor-1248	7.00	U	7.00	20.2	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	20.2	ug/kg
37324-23-5	Aroclor-1262	6.00	U	6.00	20.2	ug/kg
11100-14-4	Aroclor-1268	4.30	U	4.30	20.2	ug/kg
11096-82-5	Aroclor-1260	194		3.80	20.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.6		32 - 144	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.4		32 - 175	92%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Instrument ID: ECD_O **Calibration Date(s):** 05/02/2025 05/02/2025

Calibration Times: 09:45 18:29

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

LAB FILE ID: RT 1000 = PO110892.D RT 750 = PO110893.D

RT 500 = PO110894.D RT 250 = PO110895.D RT 050 = PO110896.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.78	4.78	4.77	4.78	4.78	4.78	4.68	4.88
Aroclor-1016-2	(2)	4.80	4.80	4.79	4.80	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	6.46	6.46	6.36	6.56
Aroclor-1260-3	(3)	6.83	6.83	6.82	6.83	6.82	6.82	6.72	6.92
Aroclor-1260-4	(4)	7.09	7.09	7.08	7.09	7.08	7.08	6.98	7.18
Aroclor-1260-5	(5)	7.33	7.33	7.33	7.33	7.33	7.33	7.23	7.43
Decachlorobiphenyl		8.73	8.73	8.73	8.73	8.73	8.73	8.63	8.83
Tetrachloro-m-xylene		3.69	3.69	3.68	3.69	3.68	3.69	3.59	3.79
Aroclor-1242-1	(1)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1242-2	(2)	4.79	4.80	4.80	4.80	4.79	4.80	4.70	4.90
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	5.63	5.62	5.62	5.62	5.62	5.52	5.72
Decachlorobiphenyl		8.73	8.73	8.73	8.73	8.73	8.73	8.63	8.83
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1248-1	(1)	4.78	4.78	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	5.23	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		8.73	8.73	8.73	8.73	8.73	8.73	8.63	8.83
Tetrachloro-m-xylene		3.69	3.69	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)	6.14	6.14	6.14	6.14	6.14	6.14	6.04	6.24
Aroclor-1254-4	(4)	6.37	6.37	6.37	6.37	6.37	6.37	6.27	6.47
Aroclor-1254-5	(5)	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Decachlorobiphenyl		8.73	8.73	8.73	8.73	8.73	8.73	8.63	8.83
Tetrachloro-m-xylene		3.69	3.69	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)	7.68	7.68	7.68	7.68	7.68	7.68	7.58	7.78
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)	8.47	8.47	8.47	8.47	8.47	8.47	8.37	8.57

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.73	8.73	8.73	8.73	8.73	8.73	8.63	8.83
Tetrachloro-m-xylene	3.69	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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Instrument ID: ECD_O **Calibration Date(s):** 05/02/2025 05/02/2025

Calibration Times: 09:45 18:29

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

LAB FILE ID: RT 1000 = PO110892.D RT 750 = PO110893.D

RT 500 = PO110894.D RT 250 = PO110895.D RT 050 = PO110896.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)	4.96	4.96	4.95	4.96	4.95	4.96	4.86	5.06
Aroclor-1016-4	(4)	5.00	5.00	5.00	5.00	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		8.68	8.68	8.68	8.68	8.68	8.68	8.58	8.78
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	4.96	4.96	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		8.68	8.68	8.68	8.68	8.68	8.68	8.58	8.78
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	4.76	4.76	4.76	4.66	4.86
Aroclor-1248-2	(2)	5.00	5.00	5.00	5.00	5.00	5.00	4.90	5.10
Aroclor-1248-3	(3)	5.04	5.04	5.04	5.04	5.04	5.04	4.94	5.14
Aroclor-1248-4	(4)	5.21	5.21	5.21	5.21	5.21	5.21	5.11	5.31
Aroclor-1248-5	(5)	5.60	5.60	5.60	5.60	5.60	5.60	5.50	5.70
Decachlorobiphenyl		8.68	8.68	8.68	8.68	8.68	8.68	8.58	8.78
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	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)	6.76	6.75	6.76	6.76	6.75	6.76	6.66	6.86
Decachlorobiphenyl		8.68	8.68	8.68	8.68	8.68	8.68	8.58	8.78
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1268-1	(1)	7.58	7.58	7.58	7.58	7.57	7.58	7.48	7.68
Aroclor-1268-2	(2)	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
Aroclor-1268-3	(3)	7.85	7.85	7.85	7.85	7.85	7.85	7.75	7.95
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	8.68	8.68	8.68	8.68	8.68	8.68	8.58	8.78
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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Instrument ID: ECD_O **Calibration Date(s):** 05/02/2025 05/02/2025

Calibration Times: 09:45 18:29

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

LAB FILE ID: **CF 1000 =** PO110892.D **CF 750 =** PO110893.D

CF 500 = PO110894.D **CF 250 =** PO110895.D **CF 050 =** PO110896.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	205272828	215983025	220080828	235959088	227775760	221014306	5
Aroclor-1016-2	(2)	293649877	304461169	310578602	332973160	309197320	310172026	5
Aroclor-1016-3	(3)	200575527	209792187	228714718	228670052	275757960	228702089	13
Aroclor-1016-4	(4)	157876141	164543576	165703006	180476220	167365060	167192801	5
Aroclor-1016-5	(5)	165250516	172786223	176016614	187973036	188417460	178088770	6
Aroclor-1260-1	(1)	299528495	310321508	357380970	344999836	350884960	332623154	8
Aroclor-1260-2	(2)	375796209	385860701	423713836	432768876	455924780	414812880	8
Aroclor-1260-3	(3)	331231566	345042447	348673676	380747372	355635520	352266116	5
Aroclor-1260-4	(4)	287326179	298526096	307780692	326694172	300854140	304236256	5
Aroclor-1260-5	(5)	714199547	732981263	738786548	770004572	715959260	734386238	3
Decachlorobiphenyl		5762043410	5976019093	6119819720	6535356640	6119083200	6102464413	5
Tetrachloro-m-xylene		5640516600	5793090093	5814049480	5979617160	5376745600	5720803787	4
Aroclor-1242-1	(1)	176981853	185116560	185903338	191867692	179768720	183927633	3
Aroclor-1242-2	(2)	248451544	259422057	262337068	268657800	249152060	257604106	3
Aroclor-1242-3	(3)	171468652	180242387	187546770	185300204	185990780	182109759	4
Aroclor-1242-4	(4)	135335611	141504689	137968130	144888608	138568260	139653060	3
Aroclor-1242-5	(5)	144449327	152342121	161991074	160079152	160611300	155894595	5
Decachlorobiphenyl		5888460680	6135811280	6361723380	6789227280	6534385000	6341921524	5
Tetrachloro-m-xylene		5816337050	5952986400	5895080000	5859556880	5258170400	5756426146	5
Aroclor-1248-1	(1)	121536205	127705265	130603610	144623292	132343180	131362310	6
Aroclor-1248-2	(2)	162731657	171357039	171082906	193805280	177185940	175232564	7
Aroclor-1248-3	(3)	203361335	212932001	224036516	237622448	224385900	220467640	6
Aroclor-1248-4	(4)	300072071	315606644	331791156	346867216	344233840	327714185	6
Aroclor-1248-5	(5)	214600452	227122772	239037018	247001276	239477160	233447736	5
Decachlorobiphenyl		5890541470	6016185987	6113782300	6522801160	6218016400	6152265463	4
Tetrachloro-m-xylene		5360495470	5533054973	5662822400	5992082280	5333513200	5576393665	5
Aroclor-1254-1	(1)	319345291	329724384	340849730	358341332	339594100	337570967	4
Aroclor-1254-2	(2)	276203446	284791309	279985404	309908104	287617260	287701105	5
Aroclor-1254-3	(3)	446238177	457590699	450758250	483882000	448018680	457297561	3
Aroclor-1254-4	(4)	292919199	302510501	306441382	325562828	296693300	304825442	4
Aroclor-1254-5	(5)	404187735	415856485	428424788	442235180	418736540	421888146	3
Decachlorobiphenyl		5824726420	5999804813	6165911280	6499697280	6156562800	6129340519	4
Tetrachloro-m-xylene		5742417230	5862219200	5650151880	5979436800	5275508000	5701946622	5
Aroclor-1268-1	(1)	896153865	926162523	941758782	962020664	723117100	889842587	11

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	817138385	845332508	859374938	871448836	618985700	802456073	13
Aroclor-1268-3	(3)	700056139	727016721	743173404	777029204	485178120	686490718	17
Aroclor-1268-4	(4)	290278356	301378231	310704250	301315608	186344660	278004221	19
Aroclor-1268-5	(5)	2111394804	2165208924	2192889384	2191925276	1556953500	2043674378	13
Decachlorobiphenyl		9668330710	10000331827	10286699760	10673766240	7236899600	9573205627	14
Tetrachloro-m-xylene		5733099360	5947944293	6006966740	5857115440	4050912800	5519207727	15

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Instrument ID: ECD_O **Calibration Date(s):** 05/02/2025 05/02/2025

Calibration Times: 09:45 18:29

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

LAB FILE ID: **CF 1000 =** PO110892.D **CF 750 =** PO110893.D

CF 500 = PO110894.D **CF 250 =** PO110895.D **CF 050 =** PO110896.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	149864780	155342161	160079260	169311912	159788520	158877327	5
Aroclor-1016-2	(2)	219190287	226881592	230228012	243078600	223459140	228567526	4
Aroclor-1016-3	(3)	115546215	120208939	121092586	129522560	123310560	121936172	4
Aroclor-1016-4	(4)	93391182	97789509	98795898	109141820	104686600	100761002	6
Aroclor-1016-5	(5)	121423362	126889816	129833168	138823224	140043820	131402678	6
Aroclor-1260-1	(1)	204930694	212718488	227899190	231696056	226602120	220769310	5
Aroclor-1260-2	(2)	239681762	248766996	261166512	271700624	264826280	257228435	5
Aroclor-1260-3	(3)	221530151	228751101	234453782	244020668	236962940	233143728	4
Aroclor-1260-4	(4)	170273922	175982431	180266706	192386684	191569220	182095793	5
Aroclor-1260-5	(5)	381142655	390353621	394137820	413580012	386753940	393193610	3
Decachlorobiphenyl		1565991170	1628694360	1670678300	1820043040	1750865000	1687254374	6
Tetrachloro-m-xylene		4873476820	4959692227	4943730000	5053567440	4385038400	4843100977	5
Aroclor-1242-1	(1)	126696062	131244364	133543764	137462260	132686540	132326598	3
Aroclor-1242-2	(2)	183881128	190537707	191119380	198040176	186792600	190074198	3
Aroclor-1242-3	(3)	97737881	100991139	100728974	105443604	101703080	101320936	3
Aroclor-1242-4	(4)	96899292	100789483	101848010	108282984	110731860	103710326	5
Aroclor-1242-5	(5)	117846629	122764163	128470028	129569412	134178400	126565726	5
Decachlorobiphenyl		1581409100	1651702053	1723068280	1854149680	1841501800	1730366183	7
Tetrachloro-m-xylene		4949133850	5031153467	4951741480	4917316560	4332160200	4836301111	6
Aroclor-1248-1	(1)	87941740	92961549	95706288	105890496	99374720	96374959	7
Aroclor-1248-2	(2)	122909953	128143691	129857510	147382408	147315620	135121836	8
Aroclor-1248-3	(3)	130631111	136650091	140843376	155821620	161768460	145142932	9
Aroclor-1248-4	(4)	152910119	159634252	167154668	179556460	178325460	167516192	7
Aroclor-1248-5	(5)	153836776	160964761	166669664	176993068	180929020	167878658	7
Decachlorobiphenyl		1588810710	1628189973	1677509060	1824689280	1788158000	1701471405	6
Tetrachloro-m-xylene		4523432400	4647961000	4697197520	4921079920	4297819000	4617497968	5
Aroclor-1254-1	(1)	235828564	243322039	251373422	265906824	258688780	251023926	5
Aroclor-1254-2	(2)	204202116	211503215	212412124	232810672	230002440	218186113	6
Aroclor-1254-3	(3)	321967296	329739988	331218024	352064504	336057900	334209542	3
Aroclor-1254-4	(4)	186026034	191129692	193993898	207080376	192576100	194161220	4
Aroclor-1254-5	(5)	258387827	265723240	269125052	284271756	263896920	268280959	4
Decachlorobiphenyl		1596471620	1664497613	1770754040	1862933480	1793707400	1737672831	6
Tetrachloro-m-xylene		4892916100	4959789800	4827954520	5059694080	4400436000	4828158100	5
Aroclor-1268-1	(1)	431329394	443482049	458800046	475095940	346070080	430955502	12

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	393313730	402469447	415819218	425448780	282321060	383874447	15
Aroclor-1268-3	(3)	288901411	296833589	308143202	319701408	206561000	284028122	16
Aroclor-1268-4	(4)	104991080	109698192	113297320	116938616	75686280	104122298	16
Aroclor-1268-5	(5)	621133951	632445772	656653064	675073308	449411560	606943531	15
Decachlorobiphenyl		2723582030	2812322040	2967739480	3112316920	2102563400	2743704774	14
Tetrachloro-m-xylene		5047265870	5200790400	5217527280	4979898320	3444407800	4777977934	16

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Instrument ID: ECD_O **Date(s) Analyzed:** 05/02/2025 05/02/2025

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	87068200
		2	3.98	3.88	4.08	67711400
		3	4.06	3.96	4.16	197771000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.06	3.96	4.16	153584000
		2	4.55	4.45	4.65	82380800
		3	4.80	4.70	4.90	159085000
		4	4.97	4.87	5.07	84170600
		5	5.01	4.91	5.11	58872400
Aroclor-1262	500	1	6.82	6.72	6.92	460420000
		2	7.33	7.23	7.43	786498000
		3	7.61	7.51	7.71	334078000
		4	7.67	7.57	7.77	578510000
		5	8.17	8.07	8.27	266794000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Instrument ID: ECD_O **Date(s) Analyzed:** 05/02/2025 05/02/2025

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	66565800
		2	3.98	3.88	4.08	51331600
		3	4.05	3.95	4.15	153037000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.05	3.95	4.15	117462000
		2	4.78	4.68	4.88	115035000
		3	4.95	4.85	5.05	60286400
		4	5.04	4.94	5.14	55712600
		5	5.21	5.11	5.31	58864800
Aroclor-1262	500	1	6.79	6.69	6.89	282404000
		2	7.29	7.19	7.39	439308000
		3	7.58	7.48	7.68	162362000
		4	7.64	7.54	7.74	291128000
		5	8.13	8.03	8.23	98593000

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Instrument ID: ECD_P **Calibration Date(s):** 04/22/2025 04/22/2025

Calibration Times: 10:29 17:49

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

LAB FILE ID: RT 1000 = PP071389.D RT 750 = PP071390.D

RT 500 = PP071391.D RT 250 = PP071392.D RT 050 = PP071393.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.66	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1016-2	(2)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1016-3	(3)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Aroclor-1016-4	(4)	5.85	5.85	5.85	5.85	5.85	5.85	5.75	5.95
Aroclor-1016-5	(5)	6.14	6.14	6.15	6.14	6.14	6.14	6.04	6.24
Aroclor-1260-1	(1)	7.26	7.26	7.27	7.26	7.26	7.26	7.16	7.36
Aroclor-1260-2	(2)	7.51	7.51	7.52	7.52	7.52	7.52	7.42	7.62
Aroclor-1260-3	(3)	7.87	7.87	7.88	7.87	7.88	7.87	7.77	7.97
Aroclor-1260-4	(4)	8.10	8.10	8.10	8.10	8.10	8.10	8.00	8.20
Aroclor-1260-5	(5)	8.42	8.42	8.42	8.42	8.42	8.42	8.32	8.52
Decachlorobiphenyl		10.23	10.23	10.24	10.23	10.24	10.23	10.13	10.33
Tetrachloro-m-xylene		4.51	4.51	4.52	4.51	4.52	4.51	4.41	4.61
Aroclor-1242-1	(1)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1242-2	(2)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1242-3	(3)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Aroclor-1242-4	(4)	5.85	5.85	5.85	5.85	5.85	5.85	5.75	5.95
Aroclor-1242-5	(5)	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Decachlorobiphenyl		10.23	10.24	10.24	10.23	10.24	10.24	10.14	10.34
Tetrachloro-m-xylene		4.51	4.52	4.51	4.51	4.52	4.51	4.41	4.61
Aroclor-1248-1	(1)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1248-2	(2)	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Aroclor-1248-3	(3)	6.14	6.14	6.14	6.14	6.14	6.14	6.04	6.24
Aroclor-1248-4	(4)	6.54	6.54	6.54	6.54	6.54	6.54	6.44	6.64
Aroclor-1248-5	(5)	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Decachlorobiphenyl		10.24	10.24	10.24	10.24	10.24	10.24	10.14	10.34
Tetrachloro-m-xylene		4.52	4.52	4.51	4.51	4.51	4.51	4.41	4.61
Aroclor-1254-1	(1)	6.52	6.52	6.52	6.52	6.52	6.52	6.42	6.62
Aroclor-1254-2	(2)	6.74	6.74	6.74	6.73	6.74	6.74	6.64	6.84
Aroclor-1254-3	(3)	7.10	7.10	7.10	7.10	7.10	7.10	7.00	7.20
Aroclor-1254-4	(4)	7.38	7.38	7.38	7.38	7.38	7.38	7.28	7.48
Aroclor-1254-5	(5)	7.80	7.80	7.80	7.80	7.80	7.80	7.70	7.90
Decachlorobiphenyl		10.24	10.24	10.24	10.23	10.24	10.24	10.14	10.34
Tetrachloro-m-xylene		4.52	4.52	4.52	4.51	4.51	4.51	4.41	4.61
Aroclor-1268-1	(1)	8.73	8.73	8.73	8.74	8.73	8.73	8.63	8.83
Aroclor-1268-2	(2)	8.83	8.83	8.83	8.83	8.83	8.83	8.73	8.93
Aroclor-1268-3	(3)	9.06	9.06	9.06	9.06	9.06	9.06	8.96	9.16
Aroclor-1268-4	(4)	9.48	9.48	9.48	9.48	9.48	9.48	9.38	9.58
Aroclor-1268-5	(5)	9.89	9.89	9.89	9.90	9.89	9.90	9.80	10.00

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.24	10.23	10.24	10.24	10.24	10.24	10.14	10.34
Tetrachloro-m-xylene	4.51	4.52	4.52	4.52	4.51	4.52	4.42	4.62

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Instrument ID: ECD_P **Calibration Date(s):** 04/22/2025 04/22/2025

Calibration Times: 10:29 17:49

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

LAB FILE ID: RT 1000 = PP071389.D RT 750 = PP071390.D

RT 500 = PP071391.D RT 250 = PP071392.D RT 050 = PP071393.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1016-2	(2)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1016-3	(3)	5.09	5.09	5.09	5.09	5.09	5.09	4.99	5.19
Aroclor-1016-4	(4)	5.13	5.13	5.14	5.14	5.14	5.14	5.04	5.24
Aroclor-1016-5	(5)	5.35	5.35	5.35	5.35	5.35	5.35	5.25	5.45
Aroclor-1260-1	(1)	6.38	6.38	6.39	6.39	6.38	6.38	6.28	6.48
Aroclor-1260-2	(2)	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Aroclor-1260-3	(3)	6.73	6.73	6.73	6.73	6.73	6.73	6.63	6.83
Aroclor-1260-4	(4)	7.20	7.20	7.20	7.20	7.20	7.20	7.10	7.30
Aroclor-1260-5	(5)	7.44	7.44	7.44	7.44	7.44	7.44	7.34	7.54
Decachlorobiphenyl		8.85	8.85	8.85	8.85	8.85	8.85	8.75	8.95
Tetrachloro-m-xylene		3.81	3.81	3.81	3.81	3.81	3.81	3.71	3.91
Aroclor-1242-1	(1)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1242-2	(2)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1242-3	(3)	5.09	5.09	5.09	5.09	5.09	5.09	4.99	5.19
Aroclor-1242-4	(4)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1242-5	(5)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Decachlorobiphenyl		8.85	8.85	8.85	8.85	8.85	8.85	8.75	8.95
Tetrachloro-m-xylene		3.81	3.81	3.81	3.81	3.81	3.81	3.71	3.91
Aroclor-1248-1	(1)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1248-2	(2)	5.14	5.14	5.14	5.14	5.14	5.14	5.04	5.24
Aroclor-1248-3	(3)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1248-4	(4)	5.35	5.35	5.35	5.35	5.35	5.35	5.25	5.45
Aroclor-1248-5	(5)	5.74	5.74	5.74	5.74	5.74	5.74	5.64	5.84
Decachlorobiphenyl		8.85	8.85	8.85	8.85	8.85	8.85	8.75	8.95
Tetrachloro-m-xylene		3.81	3.81	3.81	3.81	3.81	3.81	3.71	3.91
Aroclor-1254-1	(1)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1254-2	(2)	5.85	5.85	5.85	5.85	5.85	5.85	5.75	5.95
Aroclor-1254-3	(3)	6.25	6.26	6.25	6.26	6.26	6.26	6.16	6.36
Aroclor-1254-4	(4)	6.48	6.48	6.48	6.48	6.48	6.48	6.38	6.58
Aroclor-1254-5	(5)	6.90	6.90	6.90	6.90	6.90	6.90	6.80	7.00
Decachlorobiphenyl		8.85	8.85	8.85	8.85	8.85	8.85	8.75	8.95
Tetrachloro-m-xylene		3.81	3.81	3.81	3.81	3.81	3.81	3.71	3.91
Aroclor-1268-1	(1)	7.72	7.72	7.72	7.72	7.72	7.72	7.62	7.82
Aroclor-1268-2	(2)	7.79	7.79	7.79	7.79	7.79	7.79	7.69	7.89
Aroclor-1268-3	(3)	7.99	7.99	7.99	7.99	7.99	7.99	7.89	8.09
Aroclor-1268-4	(4)	8.29	8.29	8.29	8.29	8.29	8.29	8.19	8.39
Aroclor-1268-5	(5)	8.59	8.59	8.59	8.59	8.59	8.59	8.49	8.69

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.85	8.85	8.85	8.85	8.85	8.85	8.75	8.95
Tetrachloro-m-xylene	3.81	3.81	3.81	3.81	3.81	3.81	3.71	3.91

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Instrument ID: ECD_P **Calibration Date(s):** 04/22/2025 04/22/2025

Calibration Times: 10:29 17:49

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

LAB FILE ID: **CF 1000 =** PP071389.D **CF 750 =** PP071390.D

CF 500 = PP071391.D **CF 250 =** PP071392.D **CF 050 =** PP071393.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	64709894	67652695	70083532	71128656	61674340	67049823	6
Aroclor-1016-2	(2)	98977911	102364897	107369074	108813892	95615840	102628323	5
Aroclor-1016-3	(3)	59905708	62127143	64296308	65849928	56056440	61647105	6
Aroclor-1016-4	(4)	50563747	52419789	53619076	54941428	44946700	51298148	8
Aroclor-1016-5	(5)	47772963	49344036	50670668	50888564	42515680	48238382	7
Aroclor-1260-1	(1)	90879847	94857525	98814986	99659744	95910940	96024608	4
Aroclor-1260-2	(2)	137163459	142386411	147498372	149887700	138450980	143077384	4
Aroclor-1260-3	(3)	110350751	114445481	117702804	126515524	91505860	112104084	12
Aroclor-1260-4	(4)	105570732	110780085	111211068	131260612	105501660	112864831	9
Aroclor-1260-5	(5)	220536830	229070229	228919678	255108180	199231240	226573231	9
Decachlorobiphenyl		1409816860	1467002307	1522583160	1539948480	1300700600	1448010281	7
Tetrachloro-m-xylene		1947183160	2005072840	2066603680	2100352680	1793966200	1982635712	6
Aroclor-1242-1	(1)	53870259	55684409	58494980	58676784	47130380	54771362	9
Aroclor-1242-2	(2)	81881116	85641493	90236470	89744200	77399340	84980524	6
Aroclor-1242-3	(3)	49423643	51294363	53309060	53836868	47752740	51123335	5
Aroclor-1242-4	(4)	41638031	42855355	45034468	44656444	36858500	42208560	8
Aroclor-1242-5	(5)	44955701	46392219	48330700	47956460	43817460	46290508	4
Decachlorobiphenyl		1368547670	1421241013	1488838040	1503303480	1179092600	1392204561	9
Tetrachloro-m-xylene		1868945350	1926494133	2017272340	2030390160	1613146400	1891249677	9
Aroclor-1248-1	(1)	42447397	43370463	44490672	45736348	38649560	42938888	6
Aroclor-1248-2	(2)	57932834	60215229	62023042	63285912	58705480	60432499	4
Aroclor-1248-3	(3)	65030901	68053485	69372090	70318056	61147600	66784426	6
Aroclor-1248-4	(4)	80777360	84441085	86910244	89142916	81782860	84610893	4
Aroclor-1248-5	(5)	76029464	78502729	80776474	83552224	78380620	79448302	4
Decachlorobiphenyl		1379130770	1440268240	1485619680	1521197800	1358343200	1436911938	5
Tetrachloro-m-xylene		1879191440	1925518227	1989640420	2037603040	1811949400	1928780505	5
Aroclor-1254-1	(1)	78574372	81246615	85577334	88598188	75759400	81951182	6
Aroclor-1254-2	(2)	121624435	125816099	132146328	137115708	118678260	127076166	6
Aroclor-1254-3	(3)	123432630	127799839	132981654	137623252	117036460	127774767	6
Aroclor-1254-4	(4)	112512019	116259037	121737436	124392856	112665620	117513394	5
Aroclor-1254-5	(5)	106399089	105922557	113785120	116153044	96391680	107730298	7
Decachlorobiphenyl		1410101810	1469202520	1526389740	1549706840	1328725400	1456825262	6
Tetrachloro-m-xylene		1888241120	1936990333	2012368600	2071565920	1722515200	1926336235	7
Aroclor-1268-1	(1)	299594266	309097848	319744804	331826088	282063800	308465361	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	251109850	259047004	267960354	275856908	228123960	256419615	7
Aroclor-1268-3	(3)	211915080	218354113	225284280	231505696	216470880	220706010	4
Aroclor-1268-4	(4)	93231632	96431025	99007040	98059984	82736300	93893196	7
Aroclor-1268-5	(5)	590082071	603740247	621062448	631335032	536707900	596585540	6
Decachlorobiphenyl		2486623660	2556709627	2669414960	2694667240	2263272000	2534137497	7
Tetrachloro-m-xylene		1883977950	1931567613	1982008260	2006991440	1590966000	1879102253	9

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Instrument ID: ECD_P **Calibration Date(s):** 04/22/2025 04/22/2025

Calibration Times: 10:29 17:49

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

LAB FILE ID: **CF 1000 =** PP071389.D **CF 750 =** PP071390.D

CF 500 = PP071391.D **CF 250 =** PP071392.D **CF 050 =** PP071393.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	48121828	49414308	53806128	56180596	60145020	53533576	9
Aroclor-1016-2	(2)	69736709	72096436	77213744	78520924	84250740	76363711	7
Aroclor-1016-3	(3)	38517048	40455577	43831736	45082616	43165080	42210411	6
Aroclor-1016-4	(4)	31206636	32814844	36123020	37095092	35190100	34485938	7
Aroclor-1016-5	(5)	39458687	41985771	45850608	46345748	48595640	44447291	8
Aroclor-1260-1	(1)	63219917	66123699	73727666	76350368	82074520	72299234	11
Aroclor-1260-2	(2)	77338708	77548395	89921718	91492956	101005300	87461415	12
Aroclor-1260-3	(3)	72062678	70944365	81698234	79344004	87888600	78387576	9
Aroclor-1260-4	(4)	57333188	56779915	65331750	68083052	68025140	63110609	9
Aroclor-1260-5	(5)	143809415	139161576	155842678	157512280	157560640	150777318	6
Decachlorobiphenyl		831147600	875337973	902319620	934998560	841460400	877052831	5
Tetrachloro-m-xylene		1380433570	1378340613	1415112020	1448341640	1420974200	1408640409	2
Aroclor-1242-1	(1)	42717527	44660211	47919806	49576672	46343800	46243603	6
Aroclor-1242-2	(2)	62346958	64901092	68295906	70279172	64290540	66022734	5
Aroclor-1242-3	(3)	34614031	35703872	38469574	40739776	32714120	36448275	9
Aroclor-1242-4	(4)	33518120	34659665	37548334	39683016	33143760	35710579	8
Aroclor-1242-5	(5)	41214500	42688541	44971456	47258656	41407120	43508055	6
Decachlorobiphenyl		815615080	851726400	897002660	917481280	766770800	849719244	7
Tetrachloro-m-xylene		1295159620	1325412680	1503876340	1432488040	1389045200	1389196376	6
Aroclor-1248-1	(1)	30996932	35945815	36538014	39256084	37796080	36106585	9
Aroclor-1248-2	(2)	43624561	47309389	48616518	53505512	51756020	48962400	8
Aroclor-1248-3	(3)	45791659	49899927	50774174	56002176	52959580	51085503	7
Aroclor-1248-4	(4)	53871444	58562581	58680784	64889280	67282380	60657294	9
Aroclor-1248-5	(5)	52150607	56290108	57608714	65271236	60133720	58290877	8
Decachlorobiphenyl		826375100	860756013	900400040	940375840	921771600	889935719	5
Tetrachloro-m-xylene		1324712230	1514156880	1548203640	1434858960	1416930600	1447772462	6
Aroclor-1254-1	(1)	81690839	87361264	89755404	97285536	100908960	91400401	8
Aroclor-1254-2	(2)	70045476	75469849	77317914	83154376	87573280	78712179	9
Aroclor-1254-3	(3)	109725744	114103376	120096818	124380164	124235440	118508308	5
Aroclor-1254-4	(4)	70169900	74068720	77810162	81877428	81901880	77165618	7
Aroclor-1254-5	(5)	92229111	96109599	104690794	107384400	106924600	101467701	7
Decachlorobiphenyl		846307500	875335867	916104900	955261880	868223800	892246789	5
Tetrachloro-m-xylene		1390553300	1501013893	1450901500	1518608160	1468503000	1465915971	3
Aroclor-1268-1	(1)	181860271	188460193	203483780	205414332	201904640	196224643	5

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	154801411	159518377	172755008	173272408	170561360	166181713	5
Aroclor-1268-3	(3)	128491160	133089205	143083692	144773184	135469120	136981272	5
Aroclor-1268-4	(4)	56964280	59695839	63521398	64177792	55793320	60030526	6
Aroclor-1268-5	(5)	367021219	377695863	385175068	387479012	342861840	372046600	5
Decachlorobiphenyl		1499051200	1546040093	1602790460	1652739760	1464953600	1553115023	5
Tetrachloro-m-xylene		1476470990	1445952813	1464214380	1457737600	1300882000	1429051557	5

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Instrument ID: ECD_P **Date(s) Analyzed:** 04/22/2025 04/22/2025

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	4.72	4.62	4.82	24116800
		2	4.80	4.70	4.90	18016900
		3	4.88	4.78	4.98	56611200
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.88	4.78	4.98	44912000
		2	5.40	5.30	5.50	23013000
		3	5.69	5.59	5.79	47217600
		4	5.85	5.75	5.95	23179400
		5	5.94	5.84	6.04	16145700
Aroclor-1262	500	1	8.10	8.00	8.20	144491000
		2	8.42	8.32	8.52	274186000
		3	8.74	8.64	8.84	182878000
		4	8.82	8.72	8.92	134211000
		5	9.48	9.38	9.58	88162000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Instrument ID: ECD_P **Date(s) Analyzed:** 04/22/2025 04/22/2025

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	4.02	3.92	4.12	21995000
		2	4.11	4.01	4.21	16561700
		3	4.19	4.09	4.29	48477000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.19	4.09	4.29	38317800
		2	4.92	4.82	5.02	38187400
		3	5.09	4.99	5.19	21175200
		4	5.18	5.08	5.28	18540400
		5	5.35	5.25	5.45	19901900
Aroclor-1262	500	1	6.94	6.84	7.04	113612000
		2	7.20	7.10	7.30	92339400
		3	7.72	7.62	7.82	75694400
		4	7.79	7.69	7.89	124826000
		5	8.29	8.19	8.39	55493200

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 05/02/2025 05/02/2025

Continuing Calib Time: 09:08 **Initial Calibration Time(s):** 09:45 18:29

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)	4.78	4.77	4.67	4.87	-0.01
Aroclor-1016-2	(2)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-3	(3)	4.85	4.85	4.75	4.95	0.00
Aroclor-1016-4	(4)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-5	(5)	5.23	5.23	5.13	5.33	0.00
Aroclor-1260-1	(1)	6.27	6.27	6.17	6.37	0.00
Aroclor-1260-2	(2)	6.46	6.46	6.36	6.56	0.00
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)	7.33	7.33	7.23	7.43	0.00
Tetrachloro-m-xylene		3.69	3.68	3.58	3.78	-0.01
Decachlorobiphenyl		8.73	8.73	8.63	8.83	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 05/02/2025 05/02/2025

Continuing Calib Time: 09:08 **Initial Calibration Time(s):** 09:45 18:29

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.76	4.76	4.66	4.86	0.00
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.95	4.95	4.85	5.05	0.00
Aroclor-1016-4	(4)	5.00	5.00	4.90	5.10	0.01
Aroclor-1016-5	(5)	5.21	5.21	5.11	5.31	0.00
Aroclor-1260-1	(1)	6.24	6.24	6.14	6.34	0.00
Aroclor-1260-2	(2)	6.43	6.43	6.33	6.53	0.00
Aroclor-1260-3	(3)	6.58	6.58	6.48	6.68	0.00
Aroclor-1260-4	(4)	7.05	7.05	6.95	7.15	0.00
Aroclor-1260-5	(5)	7.29	7.29	7.19	7.39	0.00
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.67	8.68	8.58	8.78	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/02/2025 05/02/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/13/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111026.D **Time Analyzed:** 09:08

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.775	4.673	4.873	450.880	500.000	-9.8
Aroclor-1016-2	4.794	4.692	4.892	462.430	500.000	-7.5
Aroclor-1016-3	4.851	4.748	4.948	435.760	500.000	-12.8
Aroclor-1016-4	4.971	4.868	5.068	471.860	500.000	-5.6
Aroclor-1016-5	5.228	5.125	5.325	458.360	500.000	-8.3
Aroclor-1260-1	6.268	6.165	6.365	421.560	500.000	-15.7
Aroclor-1260-2	6.457	6.355	6.555	419.450	500.000	-16.1
Aroclor-1260-3	6.824	6.722	6.922	436.640	500.000	-12.7
Aroclor-1260-4	7.083	6.982	7.182	429.160	500.000	-14.2
Aroclor-1260-5	7.326	7.225	7.425	425.180	500.000	-15.0
Decachlorobiphenyl	8.725	8.625	8.825	44.830	50.000	-10.3
Tetrachloro-m-xylene	3.686	3.583	3.783	50.700	50.000	1.4

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/02/2025 05/02/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/13/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111026.D **Time Analyzed:** 09:08

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.759	4.660	4.860	523.220	500.000	4.6
Aroclor-1016-2	4.777	4.679	4.879	521.360	500.000	4.3
Aroclor-1016-3	4.953	4.854	5.054	525.860	500.000	5.2
Aroclor-1016-4	4.995	4.896	5.096	530.660	500.000	6.1
Aroclor-1016-5	5.208	5.109	5.309	522.190	500.000	4.4
Aroclor-1260-1	6.239	6.139	6.339	504.420	500.000	0.9
Aroclor-1260-2	6.426	6.327	6.527	503.080	500.000	0.6
Aroclor-1260-3	6.579	6.480	6.680	506.160	500.000	1.2
Aroclor-1260-4	7.049	6.950	7.150	491.110	500.000	-1.8
Aroclor-1260-5	7.290	7.192	7.392	485.360	500.000	-2.9
Decachlorobiphenyl	8.674	8.576	8.776	56.070	50.000	12.1
Tetrachloro-m-xylene	3.681	3.580	3.780	54.570	50.000	9.1

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 05/02/2025 05/02/2025

Continuing Calib Time: 17:33 **Initial Calibration Time(s):** 09:45 18:29

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)	4.85	4.85	4.75	4.95	0.00
Aroclor-1016-4	(4)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-5	(5)	5.23	5.23	5.13	5.33	0.00
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	8.73	8.63	8.83	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 05/02/2025 05/02/2025

Continuing Calib Time: 17:33 **Initial Calibration Time(s):** 09:45 18:29

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.76	4.76	4.66	4.86	0.00
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.95	4.95	4.85	5.05	0.00
Aroclor-1016-4	(4)	4.99	5.00	4.90	5.10	0.01
Aroclor-1016-5	(5)	5.21	5.21	5.11	5.31	0.00
Aroclor-1260-1	(1)	6.24	6.24	6.14	6.34	0.00
Aroclor-1260-2	(2)	6.43	6.43	6.33	6.53	0.00
Aroclor-1260-3	(3)	6.58	6.58	6.48	6.68	0.00
Aroclor-1260-4	(4)	7.05	7.05	6.95	7.15	0.00
Aroclor-1260-5	(5)	7.29	7.29	7.19	7.39	0.00
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.67	8.68	8.58	8.78	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/02/2025 05/02/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/13/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111041.D **Time Analyzed:** 17:33

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.773	4.673	4.873	441.850	500.000	-11.6
Aroclor-1016-2	4.792	4.692	4.892	451.170	500.000	-9.8
Aroclor-1016-3	4.848	4.748	4.948	420.910	500.000	-15.8
Aroclor-1016-4	4.968	4.868	5.068	454.170	500.000	-9.2
Aroclor-1016-5	5.226	5.125	5.325	452.120	500.000	-9.6
Aroclor-1260-1	6.264	6.165	6.365	412.050	500.000	-17.6
Aroclor-1260-2	6.454	6.355	6.555	412.210	500.000	-17.6
Aroclor-1260-3	6.821	6.722	6.922	427.000	500.000	-14.6
Aroclor-1260-4	7.081	6.982	7.182	419.970	500.000	-16.0
Aroclor-1260-5	7.323	7.225	7.425	419.140	500.000	-16.2
Decachlorobiphenyl	8.721	8.625	8.825	44.490	50.000	-11.0
Tetrachloro-m-xylene	3.684	3.583	3.783	49.800	50.000	-0.4

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/02/2025 05/02/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/13/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111041.D **Time Analyzed:** 17:33

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.758	4.660	4.860	518.770	500.000	3.8
Aroclor-1016-2	4.776	4.679	4.879	521.960	500.000	4.4
Aroclor-1016-3	4.952	4.854	5.054	521.280	500.000	4.3
Aroclor-1016-4	4.994	4.896	5.096	520.570	500.000	4.1
Aroclor-1016-5	5.206	5.109	5.309	522.110	500.000	4.4
Aroclor-1260-1	6.237	6.139	6.339	495.860	500.000	-0.8
Aroclor-1260-2	6.425	6.327	6.527	495.370	500.000	-0.9
Aroclor-1260-3	6.577	6.480	6.680	494.830	500.000	-1.0
Aroclor-1260-4	7.048	6.950	7.150	476.630	500.000	-4.7
Aroclor-1260-5	7.288	7.192	7.392	470.130	500.000	-6.0
Decachlorobiphenyl	8.671	8.576	8.776	55.420	50.000	10.8
Tetrachloro-m-xylene	3.680	3.580	3.780	54.320	50.000	8.6

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/22/2025 04/22/2025

Continuing Calib Time: 08:46 **Initial Calibration Time(s):** 10:29 17:49

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	5.67	5.57	5.77	0.02
Aroclor-1016-2	(2)	5.68	5.69	5.59	5.79	0.01
Aroclor-1016-3	(3)	5.74	5.75	5.65	5.85	0.01
Aroclor-1016-4	(4)	5.84	5.85	5.75	5.95	0.01
Aroclor-1016-5	(5)	6.13	6.15	6.05	6.25	0.02
Aroclor-1260-1	(1)	7.25	7.27	7.17	7.37	0.02
Aroclor-1260-2	(2)	7.50	7.52	7.42	7.62	0.02
Aroclor-1260-3	(3)	7.86	7.88	7.78	7.98	0.02
Aroclor-1260-4	(4)	8.08	8.10	8.00	8.20	0.02
Aroclor-1260-5	(5)	8.40	8.42	8.32	8.52	0.02
Tetrachloro-m-xylene		4.50	4.52	4.42	4.62	0.02
Decachlorobiphenyl		10.21	10.24	10.14	10.34	0.03

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/22/2025 04/22/2025

Continuing Calib Time: 08:46 **Initial Calibration Time(s):** 10:29 17:49

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)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-2	(2)	4.90	4.92	4.82	5.02	0.02
Aroclor-1016-3	(3)	5.08	5.09	4.99	5.19	0.01
Aroclor-1016-4	(4)	5.12	5.14	5.04	5.24	0.02
Aroclor-1016-5	(5)	5.34	5.35	5.25	5.45	0.01
Aroclor-1260-1	(1)	6.37	6.39	6.29	6.49	0.02
Aroclor-1260-2	(2)	6.56	6.57	6.47	6.67	0.01
Aroclor-1260-3	(3)	6.71	6.73	6.63	6.83	0.02
Aroclor-1260-4	(4)	7.18	7.20	7.10	7.30	0.02
Aroclor-1260-5	(5)	7.42	7.44	7.34	7.54	0.02
Tetrachloro-m-xylene		3.80	3.81	3.71	3.91	0.01
Decachlorobiphenyl		8.82	8.85	8.75	8.95	0.03

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/22/2025 04/22/2025

Client Sample No.: CCAL03 **Date Analyzed:** 05/13/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072003.D **Time Analyzed:** 08:46

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.654	5.571	5.771	435.580	500.000	-12.9
Aroclor-1016-2	5.676	5.593	5.793	489.540	500.000	-2.1
Aroclor-1016-3	5.740	5.654	5.854	498.220	500.000	-0.4
Aroclor-1016-4	5.837	5.752	5.952	497.870	500.000	-0.4
Aroclor-1016-5	6.129	6.045	6.245	473.280	500.000	-5.3
Aroclor-1260-1	7.246	7.165	7.365	487.530	500.000	-2.5
Aroclor-1260-2	7.500	7.418	7.618	494.000	500.000	-1.2
Aroclor-1260-3	7.859	7.777	7.977	521.410	500.000	4.3
Aroclor-1260-4	8.083	8.002	8.202	497.080	500.000	-0.6
Aroclor-1260-5	8.402	8.322	8.522	523.000	500.000	4.6
Decachlorobiphenyl	10.210	10.137	10.337	54.410	50.000	8.8
Tetrachloro-m-xylene	4.503	4.417	4.617	50.830	50.000	1.7

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/22/2025 04/22/2025

Client Sample No.: CCAL03 **Date Analyzed:** 05/13/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072003.D **Time Analyzed:** 08:46

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.885	4.798	4.998	565.920	500.000	13.2
Aroclor-1016-2	4.903	4.816	5.016	546.000	500.000	9.2
Aroclor-1016-3	5.081	4.993	5.193	524.510	500.000	4.9
Aroclor-1016-4	5.122	5.036	5.236	541.610	500.000	8.3
Aroclor-1016-5	5.335	5.250	5.450	554.940	500.000	11.0
Aroclor-1260-1	6.369	6.285	6.485	581.080	500.000	16.2
Aroclor-1260-2	6.557	6.473	6.673	573.180	500.000	14.6
Aroclor-1260-3	6.710	6.627	6.827	574.760	500.000	15.0
Aroclor-1260-4	7.180	7.098	7.298	580.790	500.000	16.2
Aroclor-1260-5	7.422	7.339	7.539	560.270	500.000	12.1
Decachlorobiphenyl	8.824	8.749	8.949	60.150	50.000	20.3
Tetrachloro-m-xylene	3.803	3.712	3.912	56.690	50.000	13.4

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/22/2025 04/22/2025

Continuing Calib Time: 16:35 **Initial Calibration Time(s):** 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.66	5.67	5.57	5.77	0.01
Aroclor-1016-2	(2)	5.68	5.69	5.59	5.79	0.01
Aroclor-1016-3	(3)	5.74	5.75	5.65	5.85	0.01
Aroclor-1016-4	(4)	5.84	5.85	5.75	5.95	0.01
Aroclor-1016-5	(5)	6.13	6.15	6.05	6.25	0.02
Aroclor-1260-1	(1)	7.25	7.27	7.17	7.37	0.02
Aroclor-1260-2	(2)	7.50	7.52	7.42	7.62	0.02
Aroclor-1260-3	(3)	7.86	7.88	7.78	7.98	0.02
Aroclor-1260-4	(4)	8.09	8.10	8.00	8.20	0.01
Aroclor-1260-5	(5)	8.40	8.42	8.32	8.52	0.02
Tetrachloro-m-xylene		4.51	4.52	4.42	4.62	0.01
Decachlorobiphenyl		10.21	10.24	10.14	10.34	0.03

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/22/2025 04/22/2025

Continuing Calib Time: 16:35 **Initial Calibration Time(s):** 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-2	(2)	4.90	4.92	4.82	5.02	0.02
Aroclor-1016-3	(3)	5.08	5.09	4.99	5.19	0.01
Aroclor-1016-4	(4)	5.12	5.14	5.04	5.24	0.02
Aroclor-1016-5	(5)	5.34	5.35	5.25	5.45	0.01
Aroclor-1260-1	(1)	6.37	6.39	6.29	6.49	0.02
Aroclor-1260-2	(2)	6.56	6.57	6.47	6.67	0.01
Aroclor-1260-3	(3)	6.71	6.73	6.63	6.83	0.02
Aroclor-1260-4	(4)	7.18	7.20	7.10	7.30	0.02
Aroclor-1260-5	(5)	7.42	7.44	7.34	7.54	0.02
Tetrachloro-m-xylene		3.80	3.81	3.71	3.91	0.01
Decachlorobiphenyl		8.83	8.85	8.75	8.95	0.03

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/22/2025 04/22/2025

Client Sample No.: CCAL04 **Date Analyzed:** 05/13/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072018.D **Time Analyzed:** 16:35

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.656	5.571	5.771	518.150	500.000	3.6
Aroclor-1016-2	5.678	5.593	5.793	499.780	500.000	0.0
Aroclor-1016-3	5.742	5.654	5.854	495.300	500.000	-0.9
Aroclor-1016-4	5.839	5.752	5.952	494.370	500.000	-1.1
Aroclor-1016-5	6.131	6.045	6.245	481.030	500.000	-3.8
Aroclor-1260-1	7.249	7.165	7.365	482.940	500.000	-3.4
Aroclor-1260-2	7.503	7.418	7.618	488.250	500.000	-2.4
Aroclor-1260-3	7.861	7.777	7.977	513.420	500.000	2.7
Aroclor-1260-4	8.085	8.002	8.202	494.760	500.000	-1.0
Aroclor-1260-5	8.404	8.322	8.522	521.650	500.000	4.3
Decachlorobiphenyl	10.212	10.137	10.337	52.800	50.000	5.6
Tetrachloro-m-xylene	4.505	4.417	4.617	50.480	50.000	1.0

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/22/2025 04/22/2025

Client Sample No.: CCAL04 **Date Analyzed:** 05/13/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072018.D **Time Analyzed:** 16:35

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.885	4.798	4.998	536.020	500.000	7.2
Aroclor-1016-2	4.904	4.816	5.016	582.240	500.000	16.4
Aroclor-1016-3	5.081	4.993	5.193	526.540	500.000	5.3
Aroclor-1016-4	5.122	5.036	5.236	533.710	500.000	6.7
Aroclor-1016-5	5.337	5.250	5.450	561.140	500.000	12.2
Aroclor-1260-1	6.370	6.285	6.485	573.210	500.000	14.6
Aroclor-1260-2	6.558	6.473	6.673	564.270	500.000	12.9
Aroclor-1260-3	6.711	6.627	6.827	559.120	500.000	11.8
Aroclor-1260-4	7.181	7.098	7.298	568.790	500.000	13.8
Aroclor-1260-5	7.422	7.339	7.539	570.140	500.000	14.0
Decachlorobiphenyl	8.825	8.749	8.949	58.500	50.000	17.0
Tetrachloro-m-xylene	3.803	3.712	3.912	56.510	50.000	13.0

Alliance TECHNICAL GROUP
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Analytical Sequence

Client: CDM Smith **SDG No.:** Q1982

Project: South River WM Replacement **Instrument ID:** ECD_O

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/02/2025 05/02/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	05/02/2025	09:27	PO110891.D	8.73	3.69
AR1660ICC1000	AR1660ICC1000	05/02/2025	09:45	PO110892.D	8.73	3.69
AR1660ICC750	AR1660ICC750	05/02/2025	10:04	PO110893.D	8.73	3.69
AR1660ICC500	AR1660ICC500	05/02/2025	10:21	PO110894.D	8.73	3.68
AR1660ICC250	AR1660ICC250	05/02/2025	10:39	PO110895.D	8.73	3.69
AR1660ICC050	AR1660ICC050	05/02/2025	10:58	PO110896.D	8.73	3.68
AR1221ICC500	AR1221ICC500	05/02/2025	11:16	PO110897.D	8.73	3.69
AR1232ICC500	AR1232ICC500	05/02/2025	11:34	PO110898.D	8.73	3.69
AR1242ICC1000	AR1242ICC1000	05/02/2025	11:53	PO110899.D	8.73	3.69
AR1242ICC750	AR1242ICC750	05/02/2025	12:11	PO110900.D	8.73	3.69
AR1242ICC500	AR1242ICC500	05/02/2025	12:29	PO110901.D	8.73	3.69
AR1242ICC250	AR1242ICC250	05/02/2025	12:48	PO110902.D	8.73	3.69
AR1242ICC050	AR1242ICC050	05/02/2025	13:06	PO110903.D	8.73	3.69
AR1248ICC1000	AR1248ICC1000	05/02/2025	13:25	PO110904.D	8.73	3.69
AR1248ICC750	AR1248ICC750	05/02/2025	13:43	PO110905.D	8.73	3.69
AR1248ICC500	AR1248ICC500	05/02/2025	14:00	PO110906.D	8.73	3.68
AR1248ICC250	AR1248ICC250	05/02/2025	14:35	PO110907.D	8.73	3.68
AR1248ICC050	AR1248ICC050	05/02/2025	14:53	PO110908.D	8.73	3.68
AR1254ICC1000	AR1254ICC1000	05/02/2025	15:12	PO110909.D	8.73	3.69
AR1254ICC750	AR1254ICC750	05/02/2025	15:30	PO110910.D	8.73	3.69
AR1254ICC500	AR1254ICC500	05/02/2025	15:48	PO110911.D	8.73	3.68
AR1254ICC250	AR1254ICC250	05/02/2025	16:07	PO110912.D	8.73	3.68
AR1254ICC050	AR1254ICC050	05/02/2025	16:25	PO110913.D	8.73	3.68
AR1262ICC500	AR1262ICC500	05/02/2025	17:01	PO110914.D	8.73	3.68
AR1268ICC1000	AR1268ICC1000	05/02/2025	17:19	PO110915.D	8.73	3.69
AR1268ICC750	AR1268ICC750	05/02/2025	17:38	PO110916.D	8.73	3.68
AR1268ICC500	AR1268ICC500	05/02/2025	17:55	PO110917.D	8.73	3.68
AR1268ICC250	AR1268ICC250	05/02/2025	18:12	PO110918.D	8.73	3.68
AR1268ICC050	AR1268ICC050	05/02/2025	18:29	PO110919.D	8.73	3.68
AR1660CCC500	AR1660CCC500	05/13/2025	09:08	PO111026.D	8.73	3.69
I.BLK	I.BLK	05/13/2025	10:28	PO111030.D	8.72	3.68
PB167972BL	PB167972BL	05/13/2025	13:24	PO111032.D	8.72	3.68
PB167972BS	PB167972BS	05/13/2025	13:42	PO111033.D	8.72	3.68
TP-1	Q1982-01	05/13/2025	14:01	PO111034.D	8.72	3.69
TP-2B	Q1982-02	05/13/2025	14:19	PO111035.D	8.72	3.68
TP-3	Q1982-03	05/13/2025	14:37	PO111036.D	8.72	3.68
MH-IMS	Q2017-01MS	05/13/2025	15:14	PO111038.D	8.72	3.68
MH-IMSD	Q2017-01MSD	05/13/2025	15:32	PO111039.D	8.72	3.68
AR1660CCC500	AR1660CCC500	05/13/2025	17:33	PO111041.D	8.72	3.68
I.BLK	I.BLK	05/13/2025	19:23	PO111045.D	8.72	3.68
I.BLK	I.BLK	04/22/2025	10:13	PP071388.D	10.23	4.51
AR1660ICC1000	AR1660ICC1000	04/22/2025	10:29	PP071389.D	10.23	4.51

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Analytical Sequence

AR1660ICC750	AR1660ICC750	04/22/2025	10:45	PP071390.D	10.23	4.51
AR1660ICC500	AR1660ICC500	04/22/2025	11:02	PP071391.D	10.24	4.52
AR1660ICC250	AR1660ICC250	04/22/2025	11:18	PP071392.D	10.23	4.51
AR1660ICC050	AR1660ICC050	04/22/2025	11:34	PP071393.D	10.24	4.52
AR1221ICC500	AR1221ICC500	04/22/2025	11:51	PP071394.D	10.23	4.51
AR1232ICC500	AR1232ICC500	04/22/2025	12:07	PP071395.D	10.23	4.52
AR1242ICC1000	AR1242ICC1000	04/22/2025	12:23	PP071396.D	10.23	4.51
AR1242ICC750	AR1242ICC750	04/22/2025	12:39	PP071397.D	10.24	4.52
AR1242ICC500	AR1242ICC500	04/22/2025	12:56	PP071398.D	10.24	4.51
AR1242ICC250	AR1242ICC250	04/22/2025	13:12	PP071399.D	10.23	4.51
AR1242ICC050	AR1242ICC050	04/22/2025	13:28	PP071400.D	10.24	4.52
AR1248ICC1000	AR1248ICC1000	04/22/2025	13:45	PP071401.D	10.24	4.52
AR1248ICC750	AR1248ICC750	04/22/2025	14:01	PP071402.D	10.24	4.52
AR1248ICC500	AR1248ICC500	04/22/2025	14:17	PP071403.D	10.24	4.51
AR1248ICC250	AR1248ICC250	04/22/2025	14:33	PP071404.D	10.24	4.51
AR1248ICC050	AR1248ICC050	04/22/2025	14:50	PP071405.D	10.24	4.51
AR1254ICC1000	AR1254ICC1000	04/22/2025	15:06	PP071406.D	10.24	4.52
AR1254ICC750	AR1254ICC750	04/22/2025	15:22	PP071407.D	10.24	4.52
AR1254ICC500	AR1254ICC500	04/22/2025	15:38	PP071408.D	10.24	4.52
AR1254ICC250	AR1254ICC250	04/22/2025	15:55	PP071409.D	10.23	4.51
AR1254ICC050	AR1254ICC050	04/22/2025	16:11	PP071410.D	10.24	4.51
AR1262ICC500	AR1262ICC500	04/22/2025	16:27	PP071411.D	10.24	4.52
AR1268ICC1000	AR1268ICC1000	04/22/2025	16:44	PP071412.D	10.24	4.51
AR1268ICC750	AR1268ICC750	04/22/2025	17:00	PP071413.D	10.23	4.52
AR1268ICC500	AR1268ICC500	04/22/2025	17:16	PP071414.D	10.24	4.52
AR1268ICC250	AR1268ICC250	04/22/2025	17:33	PP071415.D	10.24	4.52
AR1268ICC050	AR1268ICC050	04/22/2025	17:49	PP071416.D	10.24	4.51
AR1660CCC500	AR1660CCC500	05/13/2025	08:46	PP072003.D	10.21	4.50
I.BLK	I.BLK	05/13/2025	09:52	PP072007.D	10.21	4.50
TP-4	Q1982-04	05/13/2025	13:02	PP072009.D	10.21	4.50
TP-5	Q1982-05	05/13/2025	13:18	PP072010.D	10.22	4.51
TP-6	Q1982-06	05/13/2025	13:35	PP072011.D	10.22	4.51
TP-8	Q1982-07	05/13/2025	13:51	PP072012.D	10.21	4.51
TP-9	Q1982-08	05/13/2025	14:07	PP072013.D	10.22	4.51
AR1660CCC500	AR1660CCC500	05/13/2025	16:35	PP072018.D	10.21	4.51
I.BLK	I.BLK	05/13/2025	18:13	PP072022.D	10.21	4.51

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q1982

Project: South River WM Replacement **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/02/2025 05/02/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	05/02/2025	09:27	PO110891.D	8.68	3.68
AR1660ICC1000	AR1660ICC1000	05/02/2025	09:45	PO110892.D	8.68	3.68
AR1660ICC750	AR1660ICC750	05/02/2025	10:04	PO110893.D	8.68	3.68
AR1660ICC500	AR1660ICC500	05/02/2025	10:21	PO110894.D	8.68	3.68
AR1660ICC250	AR1660ICC250	05/02/2025	10:39	PO110895.D	8.68	3.68
AR1660ICC050	AR1660ICC050	05/02/2025	10:58	PO110896.D	8.68	3.68
AR1221ICC500	AR1221ICC500	05/02/2025	11:16	PO110897.D	8.68	3.68
AR1232ICC500	AR1232ICC500	05/02/2025	11:34	PO110898.D	8.68	3.68
AR1242ICC1000	AR1242ICC1000	05/02/2025	11:53	PO110899.D	8.68	3.68
AR1242ICC750	AR1242ICC750	05/02/2025	12:11	PO110900.D	8.68	3.68
AR1242ICC500	AR1242ICC500	05/02/2025	12:29	PO110901.D	8.68	3.68
AR1242ICC250	AR1242ICC250	05/02/2025	12:48	PO110902.D	8.68	3.68
AR1242ICC050	AR1242ICC050	05/02/2025	13:06	PO110903.D	8.68	3.68
AR1248ICC1000	AR1248ICC1000	05/02/2025	13:25	PO110904.D	8.68	3.68
AR1248ICC750	AR1248ICC750	05/02/2025	13:43	PO110905.D	8.68	3.68
AR1248ICC500	AR1248ICC500	05/02/2025	14:00	PO110906.D	8.68	3.68
AR1248ICC250	AR1248ICC250	05/02/2025	14:35	PO110907.D	8.68	3.68
AR1248ICC050	AR1248ICC050	05/02/2025	14:53	PO110908.D	8.68	3.68
AR1254ICC1000	AR1254ICC1000	05/02/2025	15:12	PO110909.D	8.68	3.68
AR1254ICC750	AR1254ICC750	05/02/2025	15:30	PO110910.D	8.68	3.68
AR1254ICC500	AR1254ICC500	05/02/2025	15:48	PO110911.D	8.68	3.68
AR1254ICC250	AR1254ICC250	05/02/2025	16:07	PO110912.D	8.68	3.68
AR1254ICC050	AR1254ICC050	05/02/2025	16:25	PO110913.D	8.68	3.68
AR1262ICC500	AR1262ICC500	05/02/2025	17:01	PO110914.D	8.68	3.68
AR1268ICC1000	AR1268ICC1000	05/02/2025	17:19	PO110915.D	8.68	3.68
AR1268ICC750	AR1268ICC750	05/02/2025	17:38	PO110916.D	8.68	3.68
AR1268ICC500	AR1268ICC500	05/02/2025	17:55	PO110917.D	8.68	3.68
AR1268ICC250	AR1268ICC250	05/02/2025	18:12	PO110918.D	8.68	3.68
AR1268ICC050	AR1268ICC050	05/02/2025	18:29	PO110919.D	8.68	3.68
AR1660CCC500	AR1660CCC500	05/13/2025	09:08	PO111026.D	8.67	3.68
I.BLK	I.BLK	05/13/2025	10:28	PO111030.D	8.67	3.68
PB167972BL	PB167972BL	05/13/2025	13:24	PO111032.D	8.67	3.68
PB167972BS	PB167972BS	05/13/2025	13:42	PO111033.D	8.67	3.68
TP-1	Q1982-01	05/13/2025	14:01	PO111034.D	8.67	3.68
TP-2B	Q1982-02	05/13/2025	14:19	PO111035.D	8.67	3.68
TP-3	Q1982-03	05/13/2025	14:37	PO111036.D	8.67	3.68
MH-IMS	Q2017-01MS	05/13/2025	15:14	PO111038.D	8.67	3.68
MH-IMSD	Q2017-01MSD	05/13/2025	15:32	PO111039.D	8.67	3.68
AR1660CCC500	AR1660CCC500	05/13/2025	17:33	PO111041.D	8.67	3.68
I.BLK	I.BLK	05/13/2025	19:23	PO111045.D	8.67	3.68
I.BLK	I.BLK	04/22/2025	10:13	PP071388.D	8.85	3.81
AR1660ICC1000	AR1660ICC1000	04/22/2025	10:29	PP071389.D	8.85	3.81

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Analytical Sequence

AR1660ICC750	AR1660ICC750	04/22/2025	10:45	PP071390.D	8.85	3.81
AR1660ICC500	AR1660ICC500	04/22/2025	11:02	PP071391.D	8.85	3.81
AR1660ICC250	AR1660ICC250	04/22/2025	11:18	PP071392.D	8.85	3.81
AR1660ICC050	AR1660ICC050	04/22/2025	11:34	PP071393.D	8.85	3.81
AR1221ICC500	AR1221ICC500	04/22/2025	11:51	PP071394.D	8.85	3.81
AR1232ICC500	AR1232ICC500	04/22/2025	12:07	PP071395.D	8.85	3.81
AR1242ICC1000	AR1242ICC1000	04/22/2025	12:23	PP071396.D	8.85	3.81
AR1242ICC750	AR1242ICC750	04/22/2025	12:39	PP071397.D	8.85	3.81
AR1242ICC500	AR1242ICC500	04/22/2025	12:56	PP071398.D	8.85	3.81
AR1242ICC250	AR1242ICC250	04/22/2025	13:12	PP071399.D	8.85	3.81
AR1242ICC050	AR1242ICC050	04/22/2025	13:28	PP071400.D	8.85	3.81
AR1248ICC1000	AR1248ICC1000	04/22/2025	13:45	PP071401.D	8.85	3.81
AR1248ICC750	AR1248ICC750	04/22/2025	14:01	PP071402.D	8.85	3.81
AR1248ICC500	AR1248ICC500	04/22/2025	14:17	PP071403.D	8.85	3.81
AR1248ICC250	AR1248ICC250	04/22/2025	14:33	PP071404.D	8.85	3.81
AR1248ICC050	AR1248ICC050	04/22/2025	14:50	PP071405.D	8.85	3.81
AR1254ICC1000	AR1254ICC1000	04/22/2025	15:06	PP071406.D	8.85	3.81
AR1254ICC750	AR1254ICC750	04/22/2025	15:22	PP071407.D	8.85	3.81
AR1254ICC500	AR1254ICC500	04/22/2025	15:38	PP071408.D	8.85	3.81
AR1254ICC250	AR1254ICC250	04/22/2025	15:55	PP071409.D	8.85	3.81
AR1254ICC050	AR1254ICC050	04/22/2025	16:11	PP071410.D	8.85	3.81
AR1262ICC500	AR1262ICC500	04/22/2025	16:27	PP071411.D	8.85	3.81
AR1268ICC1000	AR1268ICC1000	04/22/2025	16:44	PP071412.D	8.85	3.81
AR1268ICC750	AR1268ICC750	04/22/2025	17:00	PP071413.D	8.85	3.81
AR1268ICC500	AR1268ICC500	04/22/2025	17:16	PP071414.D	8.85	3.81
AR1268ICC250	AR1268ICC250	04/22/2025	17:33	PP071415.D	8.85	3.81
AR1268ICC050	AR1268ICC050	04/22/2025	17:49	PP071416.D	8.85	3.81
AR1660CCC500	AR1660CCC500	05/13/2025	08:46	PP072003.D	8.82	3.80
I.BLK	I.BLK	05/13/2025	09:52	PP072007.D	8.83	3.80
TP-4	Q1982-04	05/13/2025	13:02	PP072009.D	8.83	3.80
TP-5	Q1982-05	05/13/2025	13:18	PP072010.D	8.82	3.80
TP-6	Q1982-06	05/13/2025	13:35	PP072011.D	8.83	3.80
TP-8	Q1982-07	05/13/2025	13:51	PP072012.D	8.83	3.80
TP-9	Q1982-08	05/13/2025	14:07	PP072013.D	8.83	3.80
AR1660CCC500	AR1660CCC500	05/13/2025	16:35	PP072018.D	8.83	3.80
I.BLK	I.BLK	05/13/2025	18:13	PP072022.D	8.83	3.80

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB167972BS

Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

Lab Sample ID: PB167972BS Date(s) Analyzed: 05/13/2025 05/13/2025

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 PO111033.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.773	4.723	4.823	148		
	2	4.791	4.741	4.841	153		
	3	4.848	4.798	4.898	141		
COLUMN 1	4	4.969	4.919	5.019	153		
	5	5.226	5.176	5.276	143	148	
	1	4.758	4.708	4.808	172		
	2	4.777	4.727	4.827	172		
	3	4.952	4.902	5.002	171		
	4	4.994	4.944	5.044	170		
COLUMN 2	5	5.207	5.157	5.257	164	170	13.84
Aroclor-1260	1	6.265	6.215	6.315	145		
	2	6.455	6.405	6.505	144		
	3	6.821	6.771	6.871	129		
COLUMN 1	4	7.081	7.031	7.131	130		
	5	7.323	7.273	7.373	131	136	
	1	6.237	6.187	6.287	171		
	2	6.425	6.375	6.475	171		
	3	6.577	6.527	6.627	173		
	4	7.048	6.998	7.098	145		
COLUMN 2	5	7.289	7.239	7.339	145	161	16.84

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

MH-IMS

Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

Lab Sample ID: Q2017-01MS Date(s) Analyzed: 05/13/2025 05/13/2025

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 PO111038.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.773	4.723	4.823	198		
	2	4.791	4.741	4.841	204		
	3	4.848	4.798	4.898	189		
COLUMN 1	4	4.968	4.918	5.018	206		
	5	5.225	5.175	5.275	192	198	
	1	4.758	4.708	4.808	232		
	2	4.777	4.727	4.827	235		
	3	4.952	4.902	5.002	234		
	4	4.994	4.944	5.044	229		
COLUMN 2	5	5.206	5.156	5.256	224	231	15.38
Aroclor-1260	1	6.265	6.215	6.315	181		
	2	6.454	6.404	6.504	177		
	3	6.821	6.771	6.871	159		
COLUMN 1	4	7.08	7.03	7.13	162		
	5	7.323	7.273	7.373	161	168	
	1	6.237	6.187	6.287	220		
	2	6.425	6.375	6.475	214		
	3	6.577	6.527	6.627	220		
	4	7.048	6.998	7.098	181		
COLUMN 2	5	7.289	7.239	7.339	178	203	18.87

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

MH-IMSD

Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

Lab Sample ID: Q2017-01MSD Date(s) Analyzed: 05/13/2025 05/13/2025

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 PO111039.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.773	4.723	4.823	191		
	2	4.792	4.742	4.842	192		
	3	4.849	4.799	4.899	181		
COLUMN 1	4	4.969	4.919	5.019	196		
	5	5.226	5.176	5.276	185	189	
	1	4.759	4.709	4.809	222		
	2	4.777	4.727	4.827	222		
	3	4.952	4.902	5.002	222		
	4	4.994	4.944	5.044	217		
COLUMN 2	5	5.207	5.157	5.257	213	219	14.71
Aroclor-1260	1	6.265	6.215	6.315	173		
	2	6.455	6.405	6.505	169		
	3	6.822	6.772	6.872	153		
COLUMN 1	4	7.081	7.031	7.131	155		
	5	7.323	7.273	7.373	154	161	
	1	6.238	6.188	6.288	209		
	2	6.425	6.375	6.475	204		
	3	6.577	6.527	6.627	210		
	4	7.048	6.998	7.098	173		
COLUMN 2	5	7.289	7.239	7.339	171	194	18.59

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 14:01
Operator : YP/AJ
Sample : Q1982-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
TP-1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:20:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 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...	3.685	3.680	106.7E6	91285888	18.652	18.849
2)	SA Decachlor...	8.722	8.672	76849420	25987378	12.593	15.402
	Target Compounds						

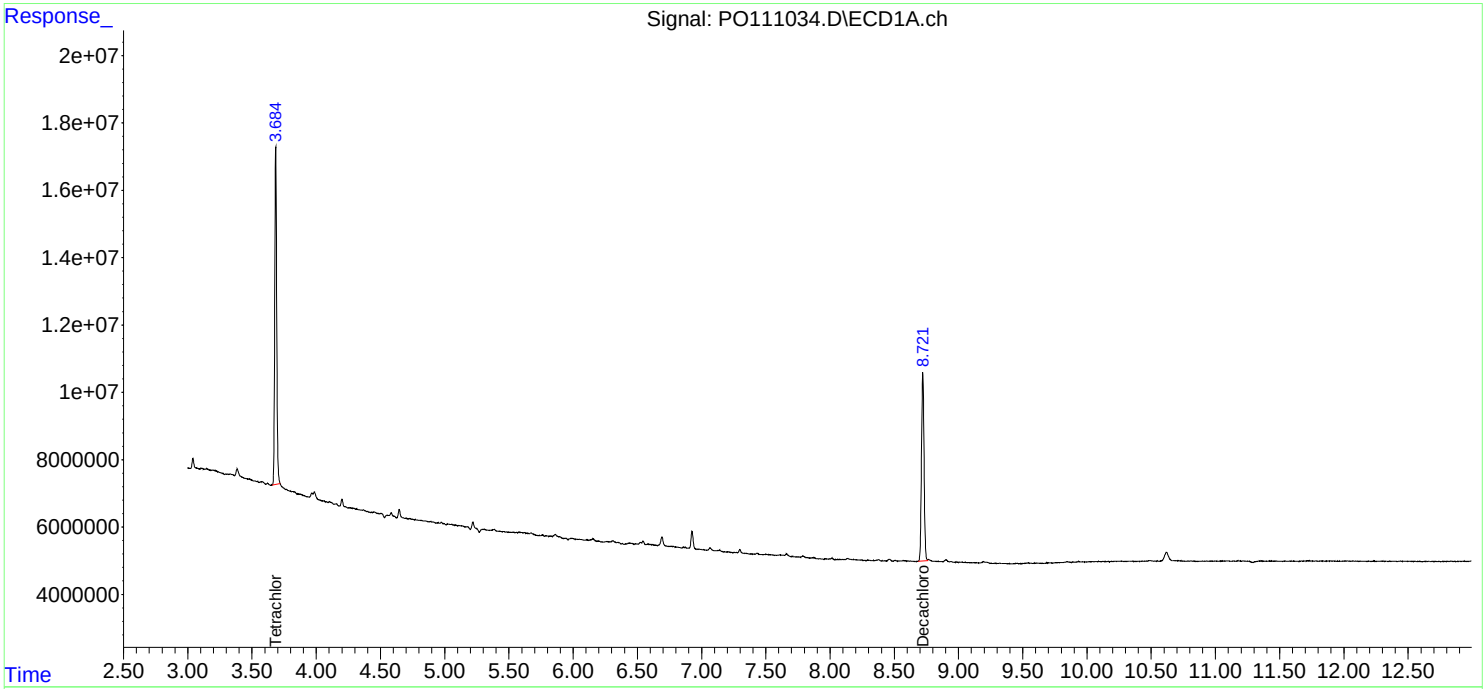
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

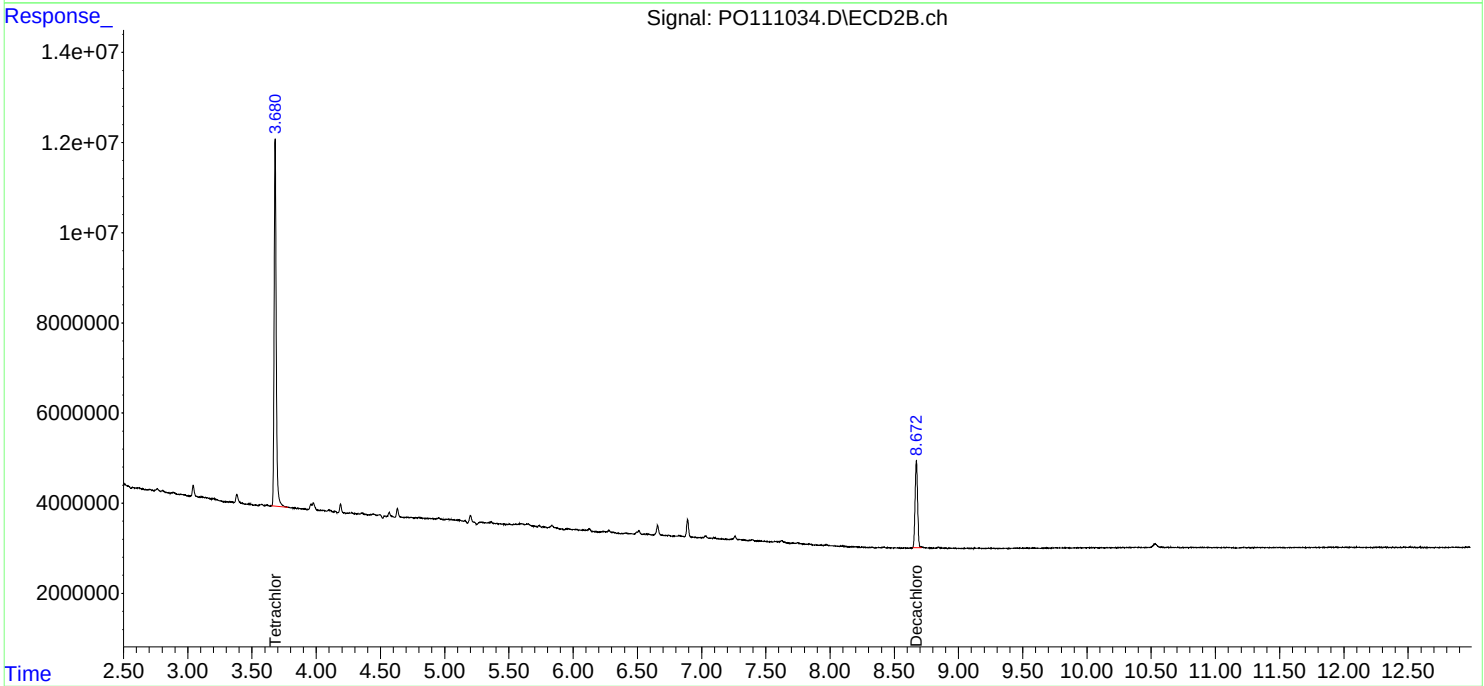
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 14:01
Operator : YP/AJ
Sample : Q1982-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

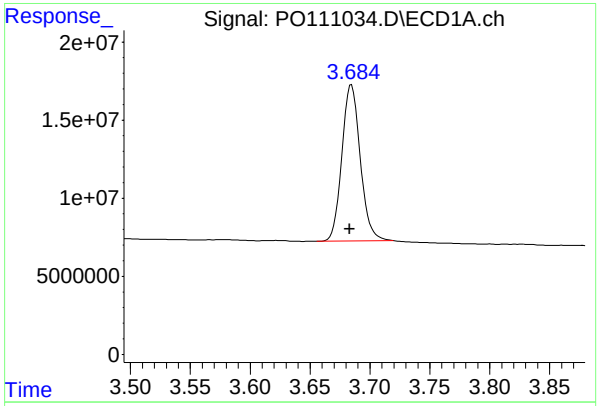
Instrument :
ECD_O
ClientSampleId :
TP-1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:20:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 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



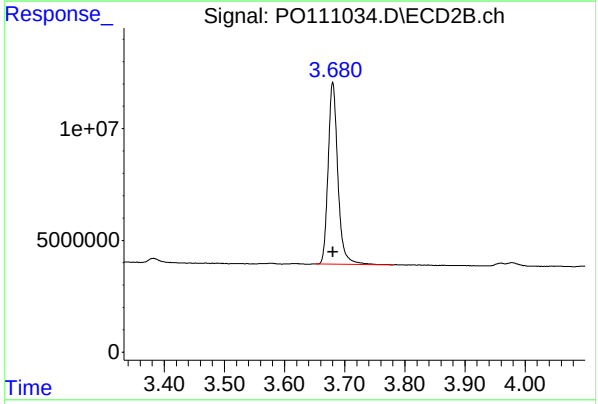




#1 Tetrachloro-m-xylene

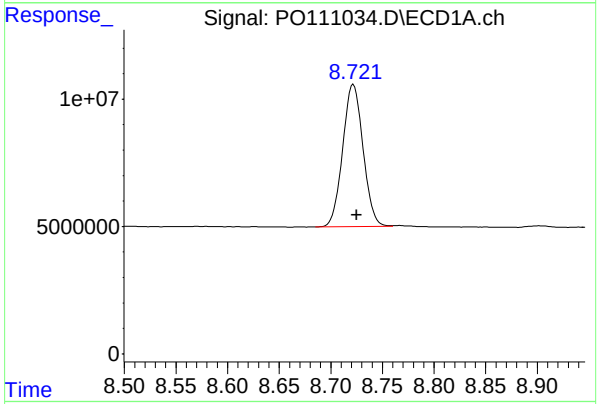
R.T.: 3.685 min
Delta R.T.: 0.002 min
Response: 106705893
Conc: 18.65 ng/ml

Instrument :
ECD_O
ClientSampleId :
TP-1



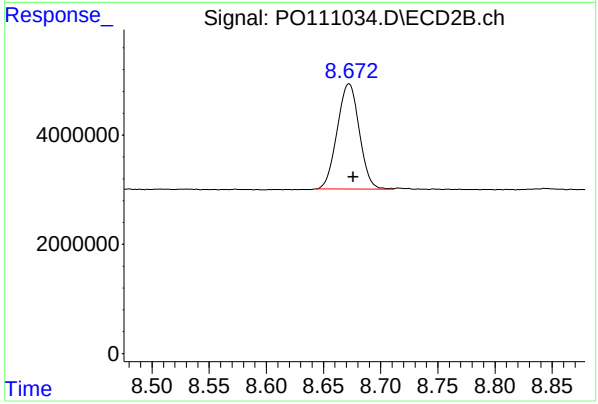
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 91285888
Conc: 18.85 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.722 min
Delta R.T.: -0.003 min
Response: 76849420
Conc: 12.59 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.672 min
Delta R.T.: -0.004 min
Response: 25987378
Conc: 15.40 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111035.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 14:19
Operator : YP/AJ
Sample : Q1982-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
TP-2B

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:21:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 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...	3.684	3.680	117.8E6	100.7E6	20.597	20.799
2)	SA Decachlor...	8.724	8.673	83126364	29201258	13.622	17.307 #
	Target Compounds						

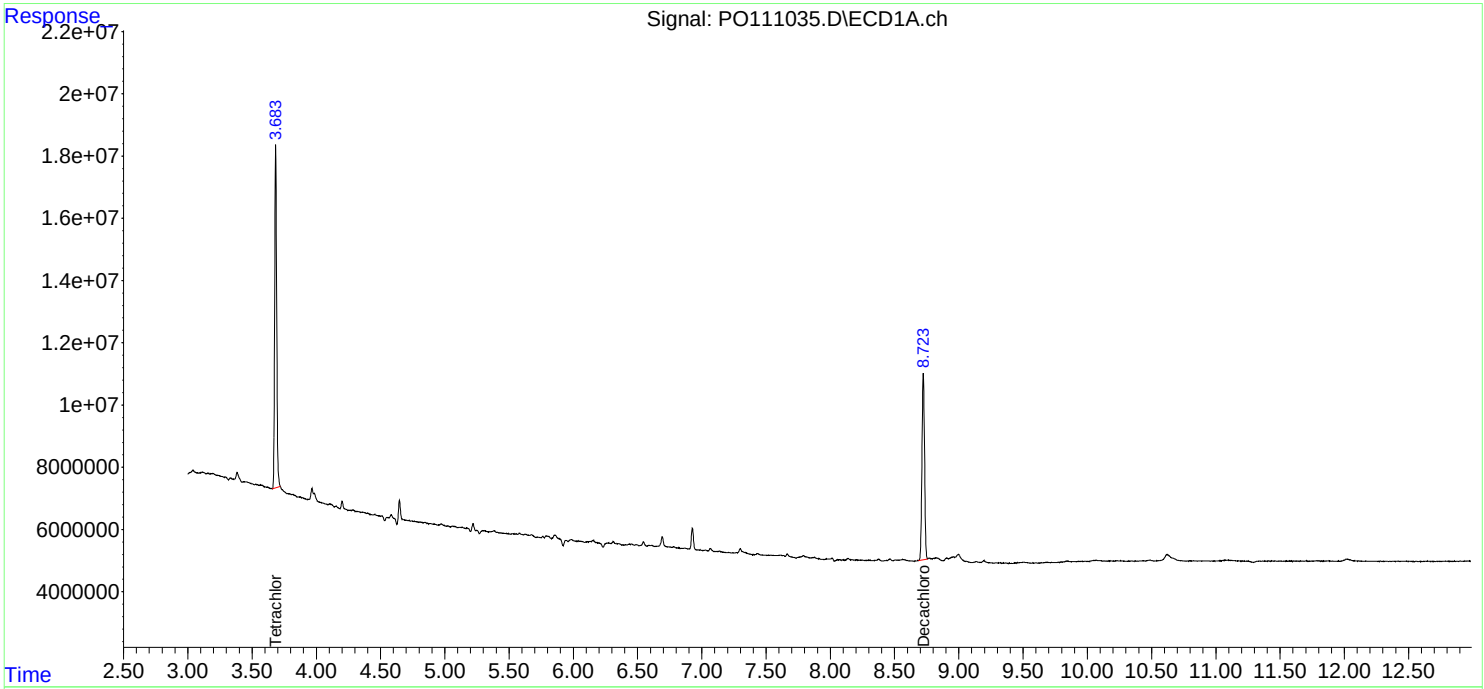
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

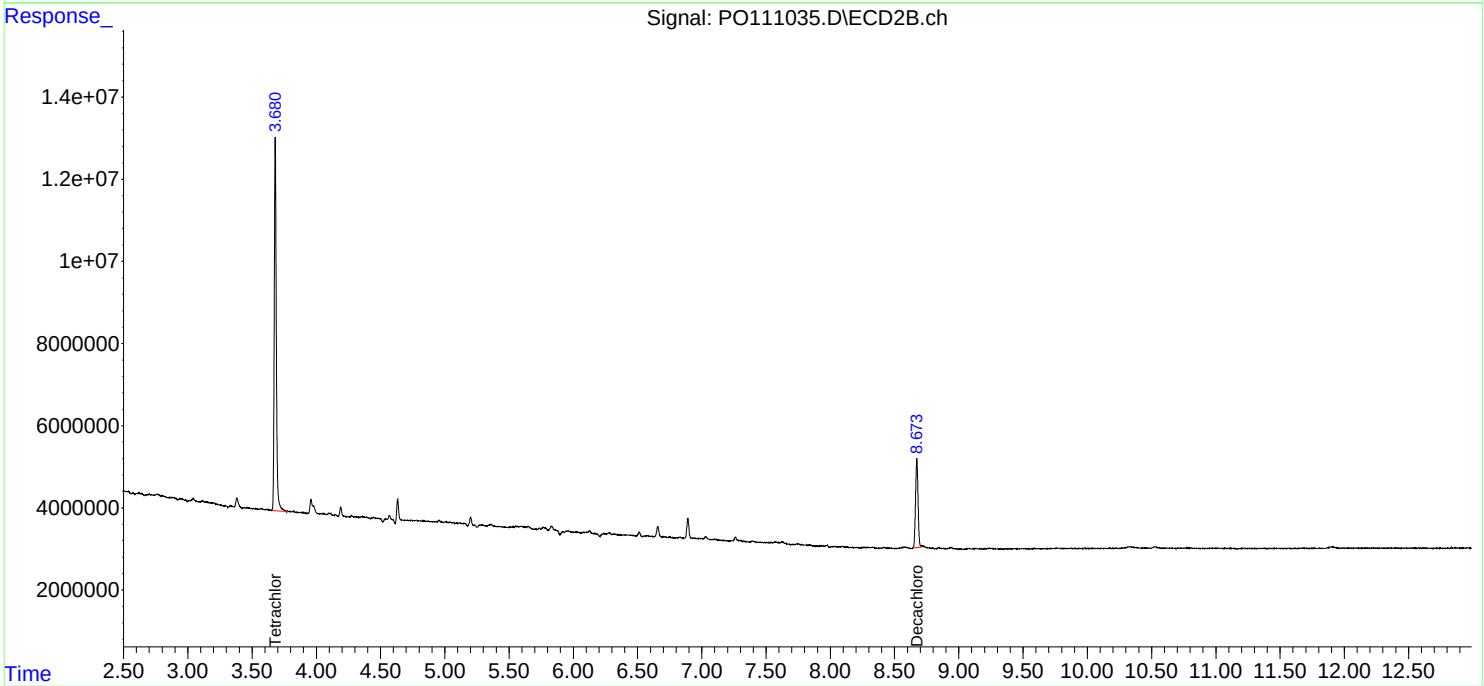
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111035.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 14:19
Operator : YP/AJ
Sample : Q1982-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

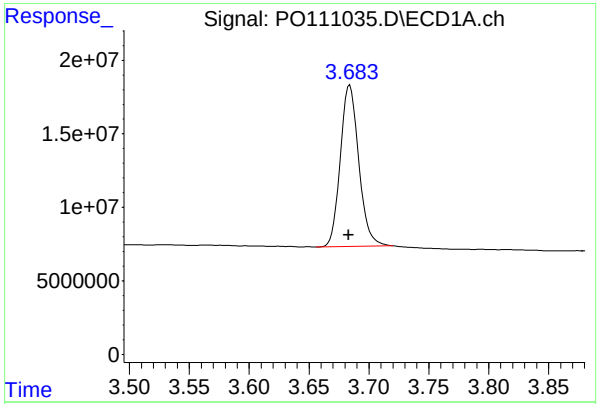
Instrument :
ECD_O
ClientSampleId :
TP-2B

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:21:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 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



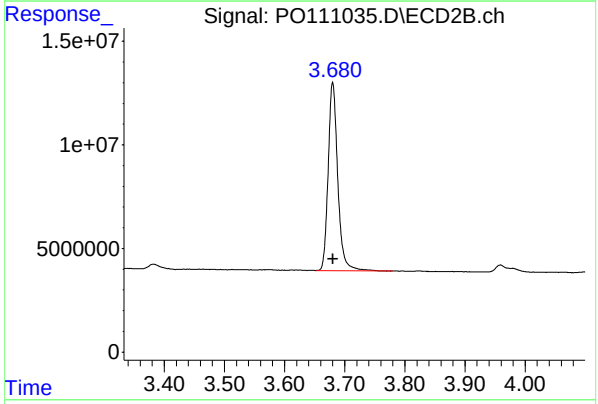




#1 Tetrachloro-m-xylene

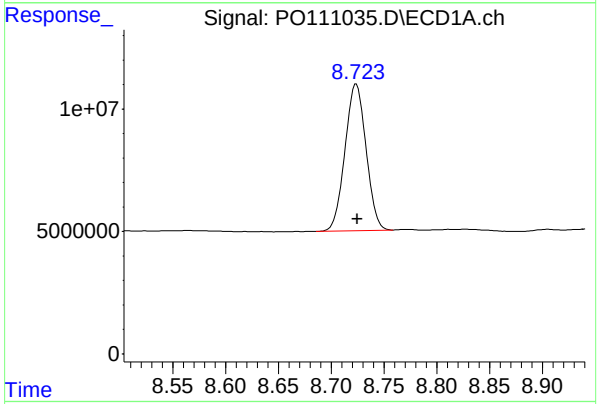
R.T.: 3.684 min
Delta R.T.: 0.001 min
Response: 117828651
Conc: 20.60 ng/ml

Instrument :
ECD_O
ClientSampleId :
TP-2B



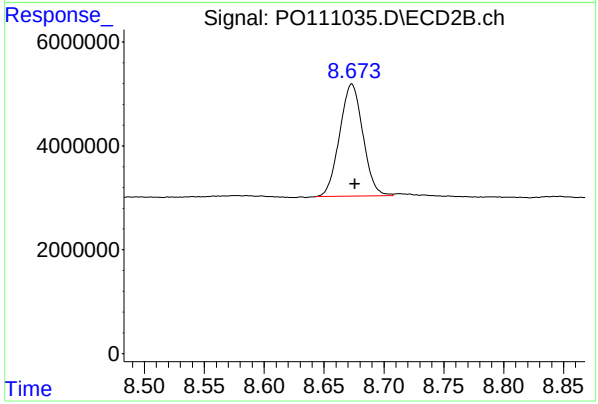
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 100732268
Conc: 20.80 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.724 min
Delta R.T.: -0.001 min
Response: 83126364
Conc: 13.62 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.673 min
Delta R.T.: -0.003 min
Response: 29201258
Conc: 17.31 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 14:37
Operator : YP/AJ
Sample : Q1982-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
TP-3

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:21:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 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...	3.684	3.680	131.7E6	113.5E6	23.013	23.427
2)	SA Decachlor...	8.723	8.672	105.3E6	37433691	17.262	22.186 #
	Target Compounds						

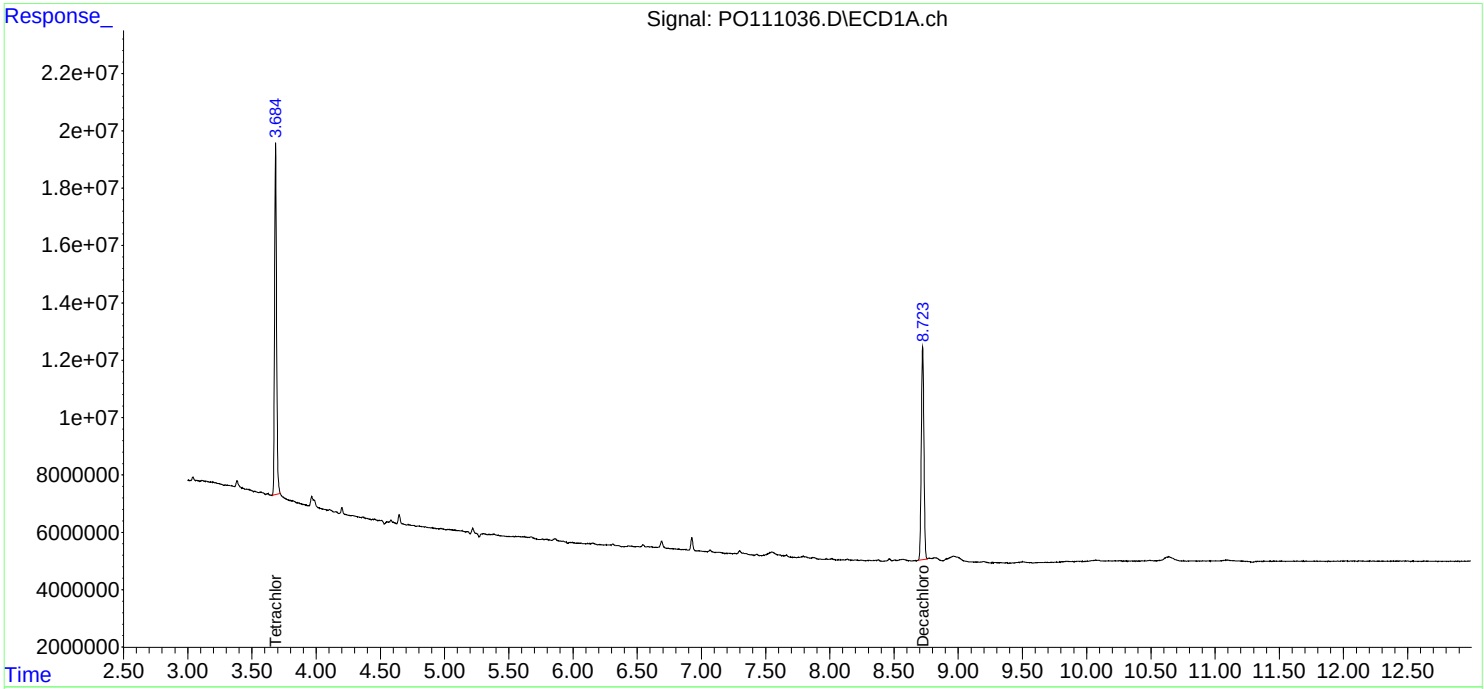
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

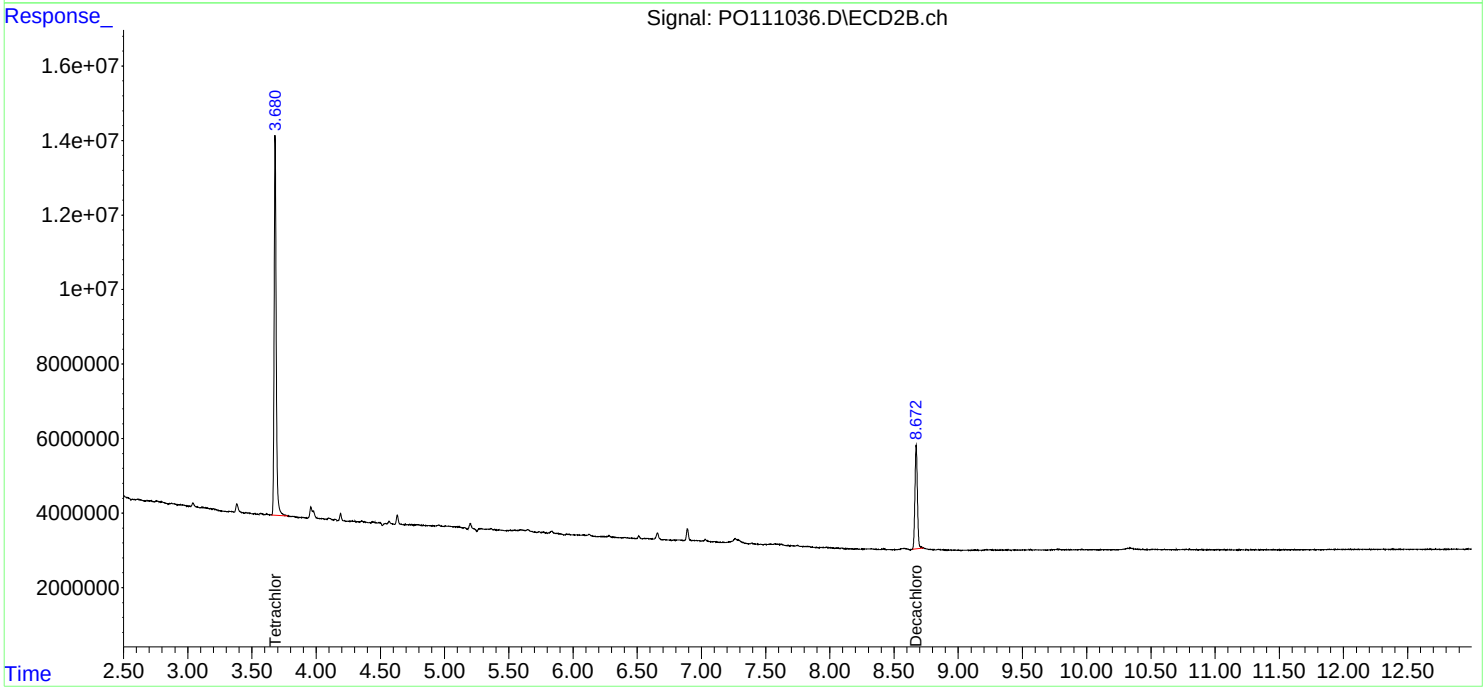
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 14:37
Operator : YP/AJ
Sample : Q1982-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

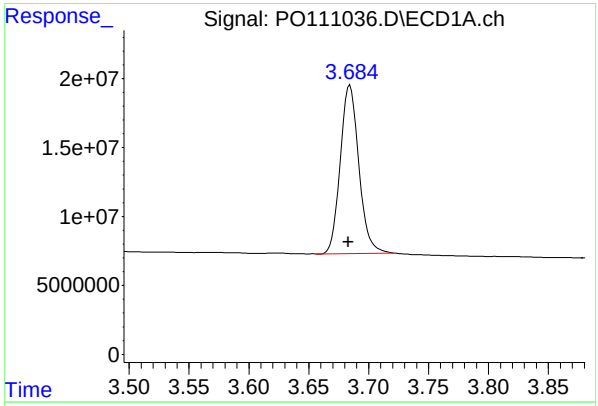
Instrument :
ECD_O
ClientSampleId :
TP-3

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:21:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 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



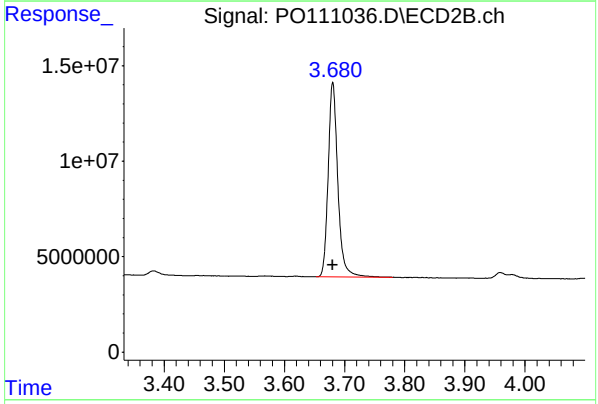




#1 Tetrachloro-m-xylene

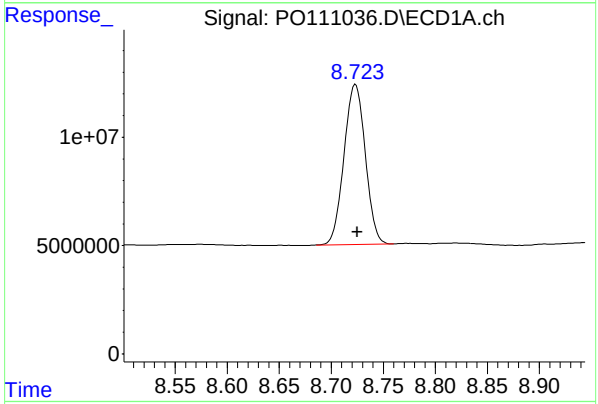
R.T.: 3.684 min
Delta R.T.: 0.001 min
Response: 131650262
Conc: 23.01 ng/ml

Instrument :
ECD_O
ClientSampleId :
TP-3



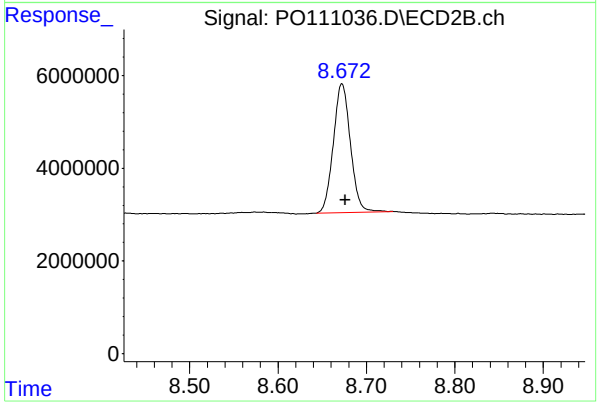
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 113457862
Conc: 23.43 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.723 min
Delta R.T.: -0.002 min
Response: 105342896
Conc: 17.26 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.672 min
Delta R.T.: -0.004 min
Response: 37433691
Conc: 22.19 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 13:02
Operator : YP\AJ
Sample : Q1982-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-4

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:51:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.503	3.802	38771724	31720283	19.556m	22.518m
2)	SA Decachlor...	10.214	8.827	22968859	16007042	15.862	18.251m
	Target Compounds						

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

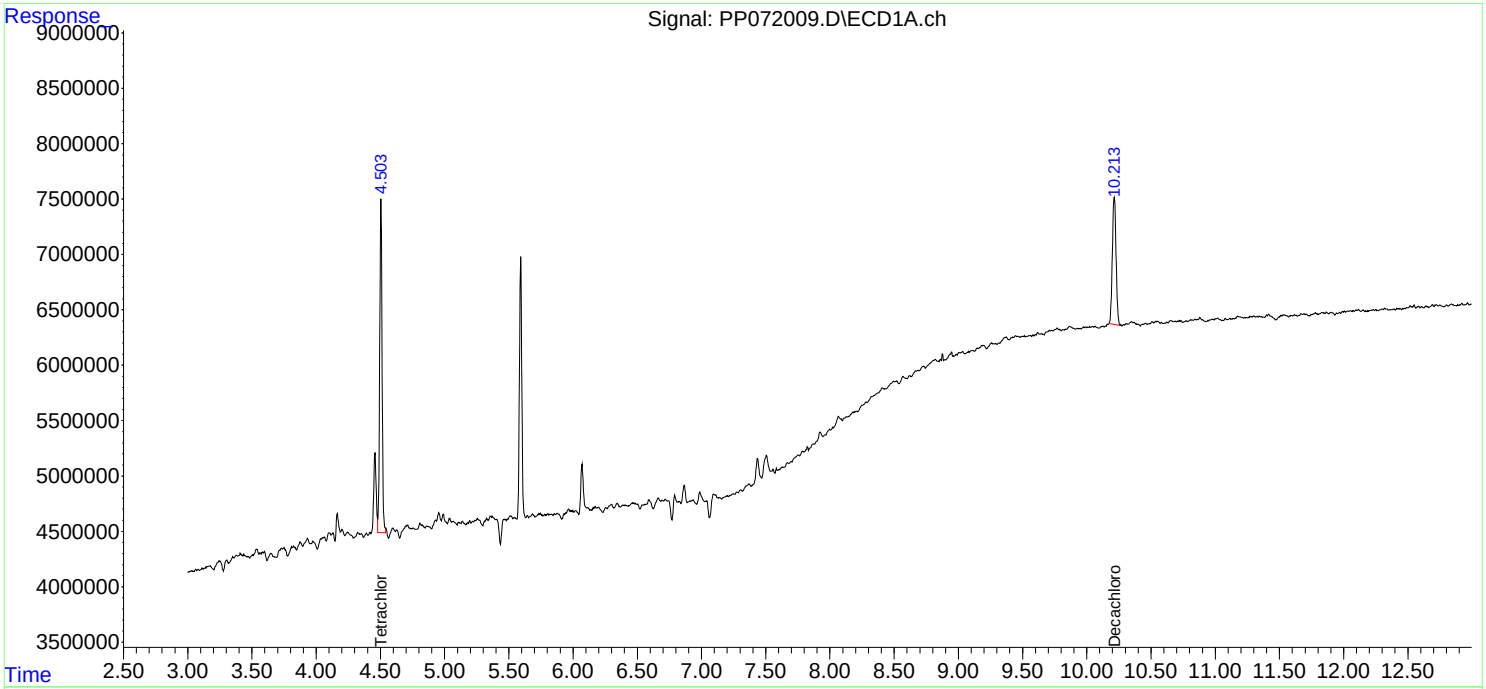
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 13:02
Operator : YP\AJ
Sample : Q1982-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

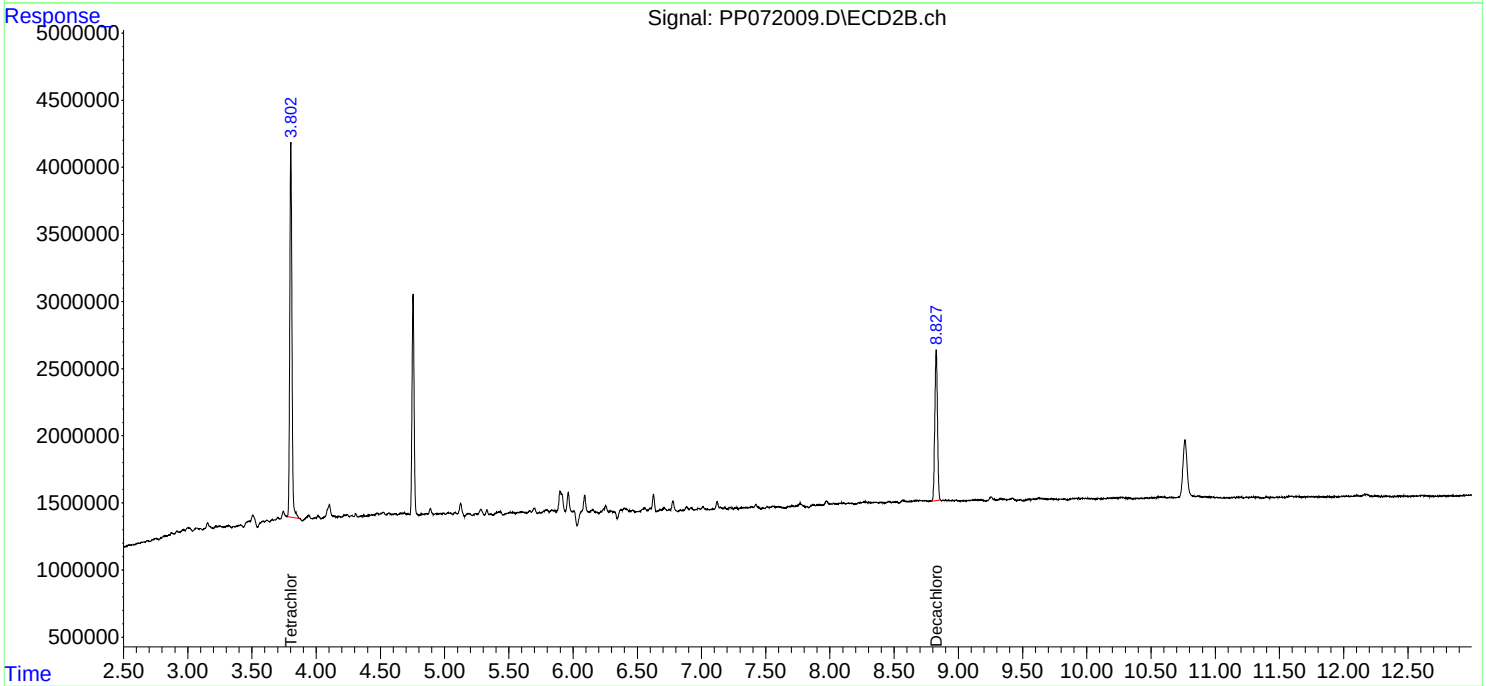
Instrument :
ECD_P
ClientSampleId :
TP-4

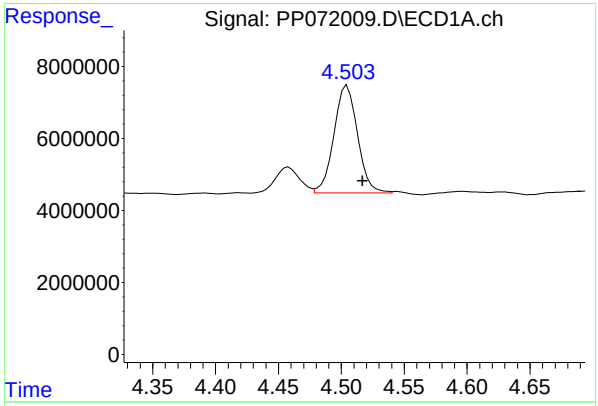
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:51:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







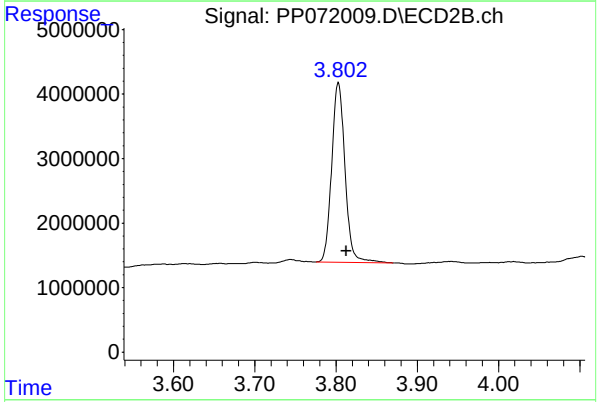
#1 Tetrachloro-m-xylene

R.T.: 4.503 min
Delta R.T.: -0.014 mi
Response: 38771724
Conc: 19.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-4

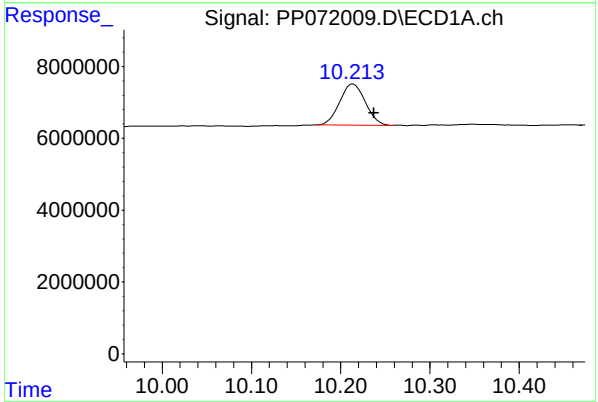
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025



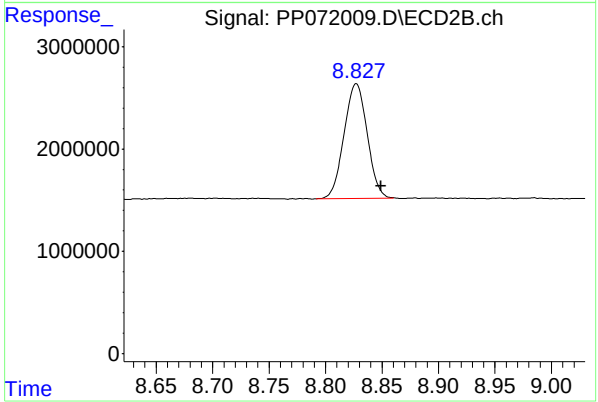
#1 Tetrachloro-m-xylene

R.T.: 3.802 min
Delta R.T.: -0.010 min
Response: 31720283
Conc: 22.52 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: -0.023 min
Response: 22968859
Conc: 15.86 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.827 min
Delta R.T.: -0.022 min
Response: 16007042
Conc: 18.25 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 13:18
Operator : YP\AJ
Sample : Q1982-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-5

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:51:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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...	4.507	3.801	36113152	28823426	18.215	20.462m
2)	SA Decachlor...	10.216	8.824	22260742	15233997	15.373	17.370m
	Target Compounds						

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

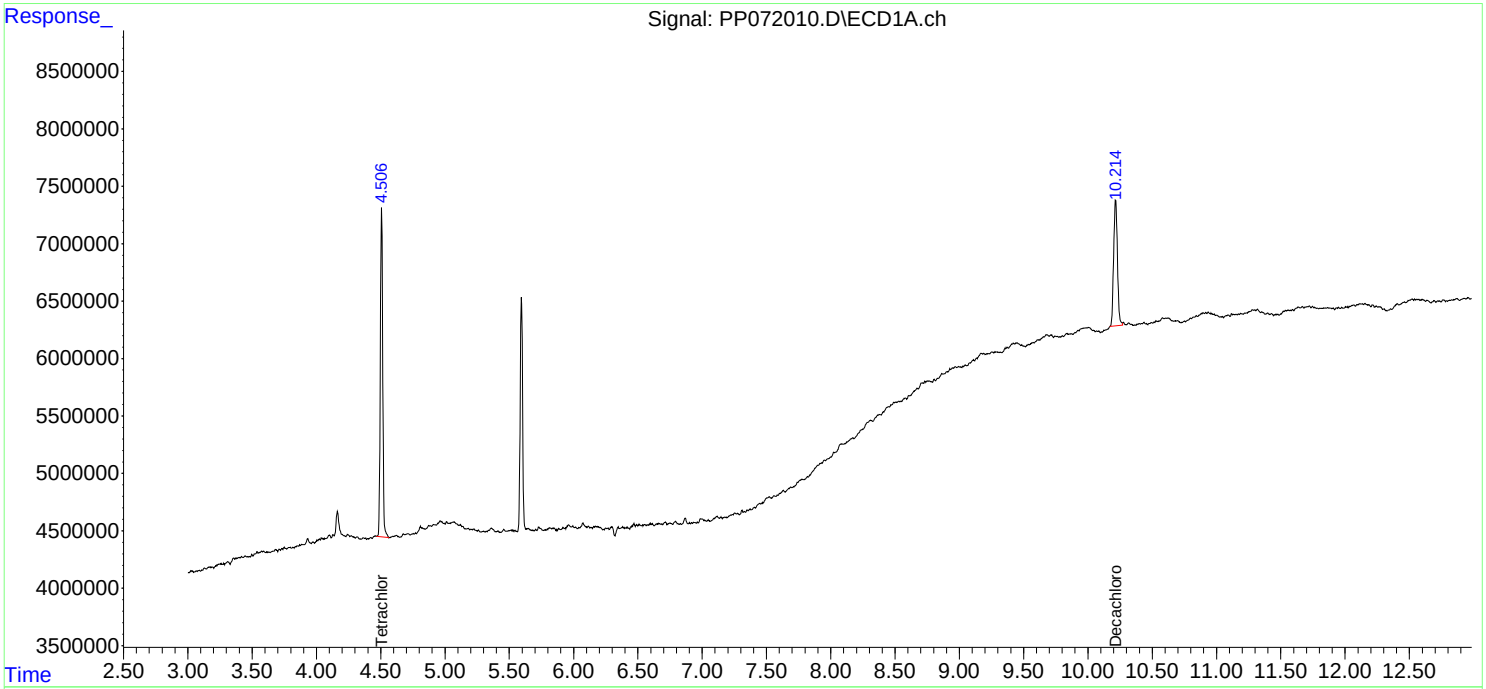
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 13:18
Operator : YP\AJ
Sample : Q1982-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

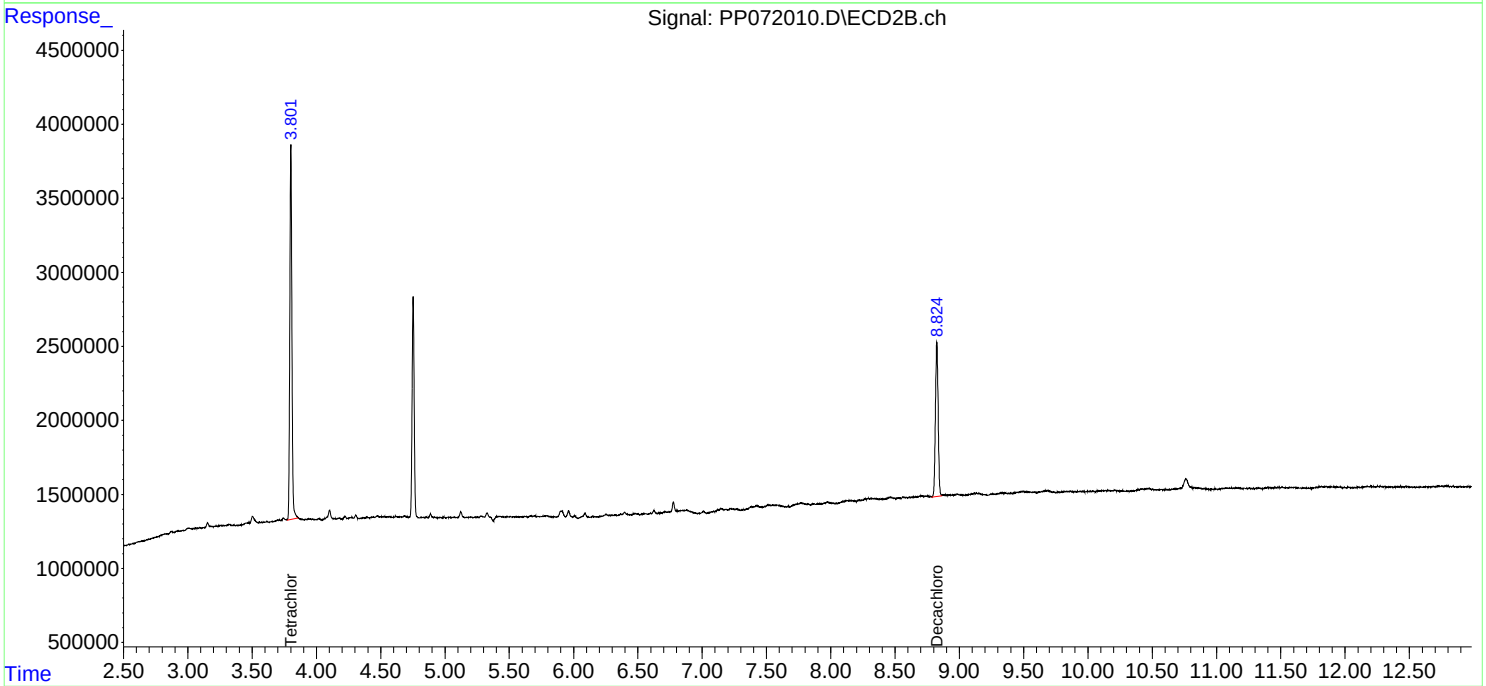
Instrument :
ECD_P
ClientSampleId :
TP-5

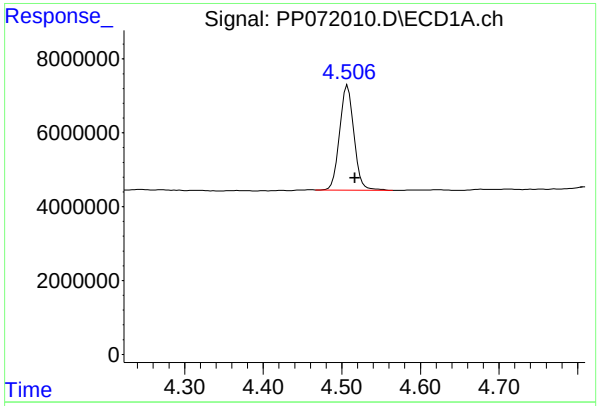
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:51:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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







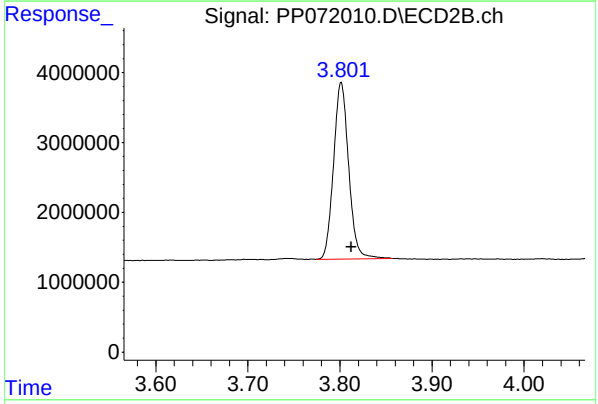
#1 Tetrachloro-m-xylene

R.T.: 4.507 min
Delta R.T.: -0.010 min
Response: 36113152
Conc: 18.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-5

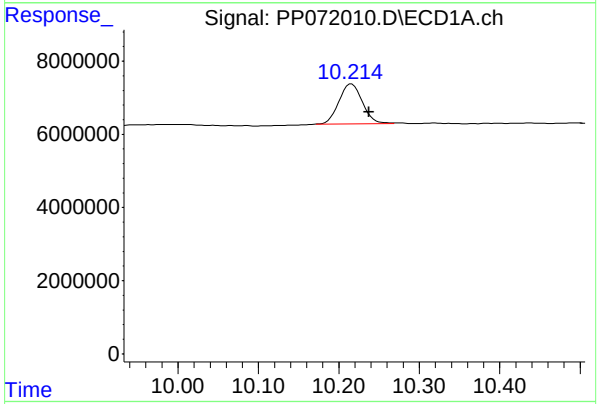
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025



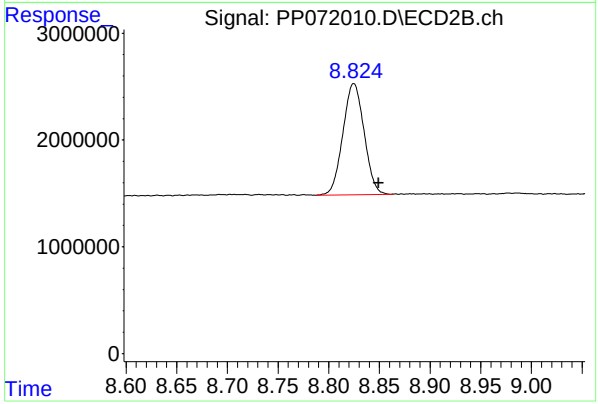
#1 Tetrachloro-m-xylene

R.T.: 3.801 min
Delta R.T.: -0.011 min
Response: 28823426
Conc: 20.46 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.216 min
Delta R.T.: -0.022 min
Response: 22260742
Conc: 15.37 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.824 min
Delta R.T.: -0.025 min
Response: 15233997
Conc: 17.37 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 13:35
Operator : YP\AJ
Sample : Q1982-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-6

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:52:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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...	4.507	3.802	37929229	30373564	19.131	21.562m
2)	SA Decachlor...	10.215	8.826	25299053	17557220	17.472	20.018m
	Target Compounds						

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

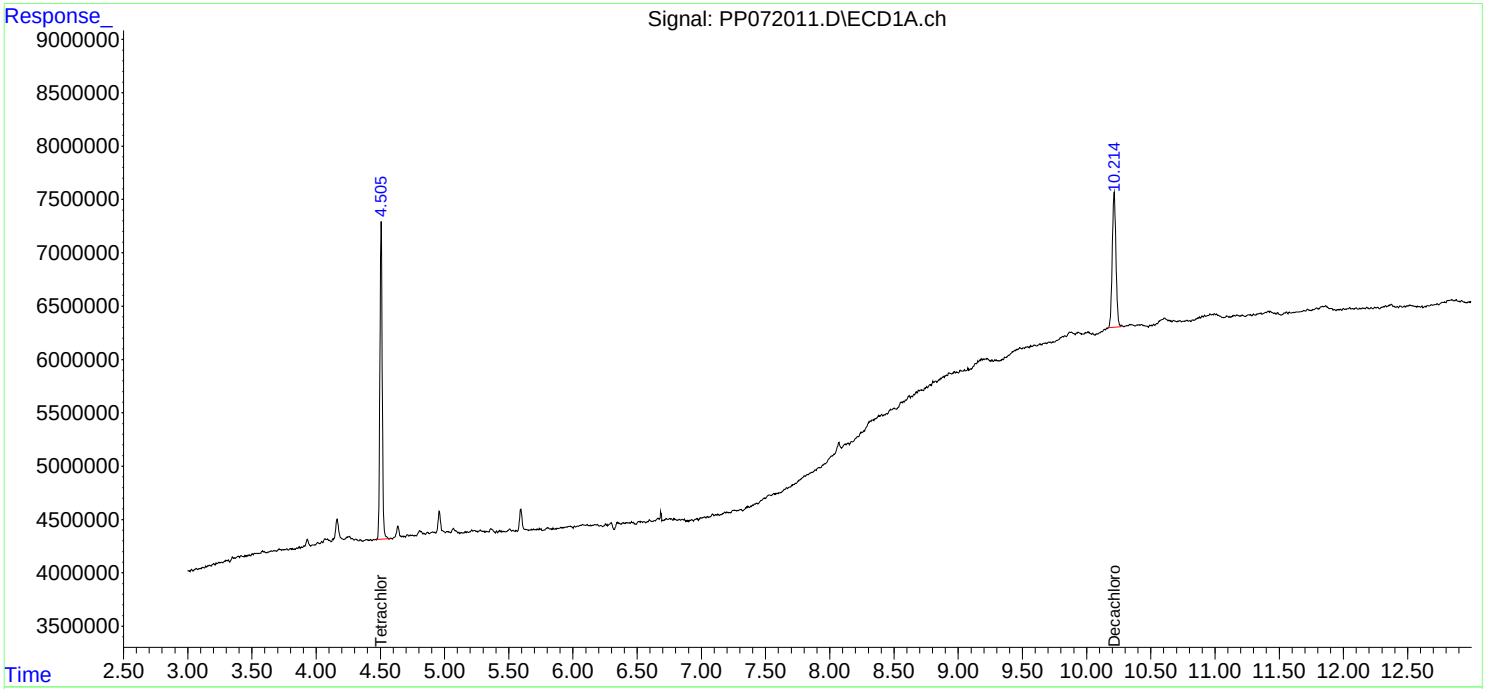
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 13:35
Operator : YP\AJ
Sample : Q1982-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

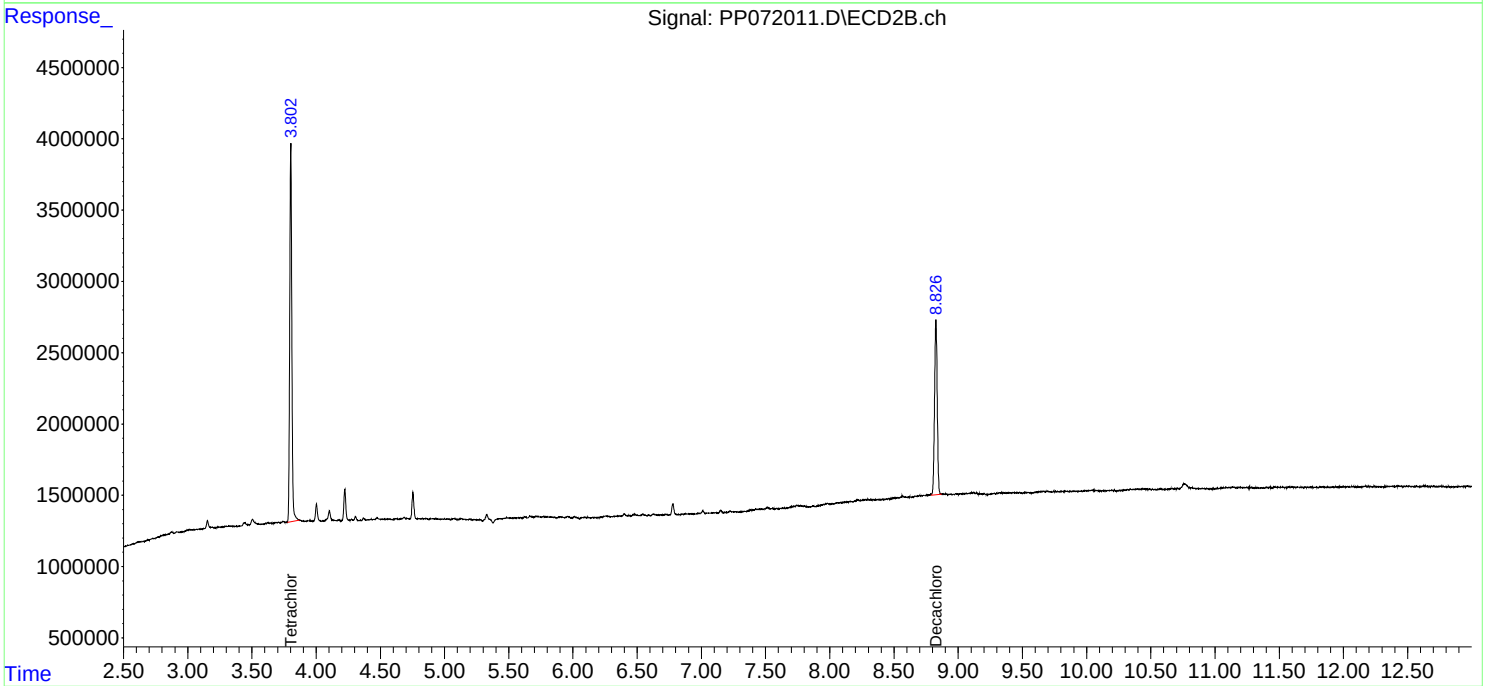
Instrument :
ECD_P
ClientSampleId :
TP-6

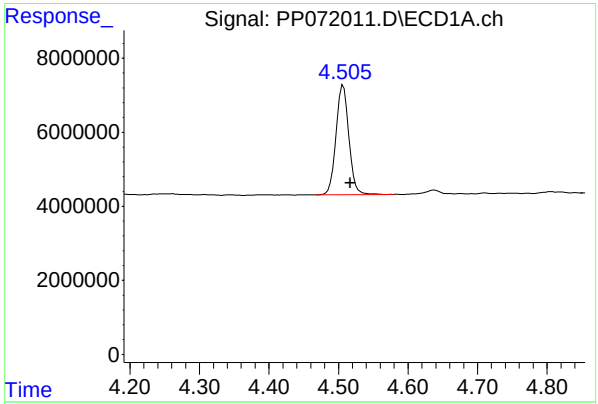
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:52:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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







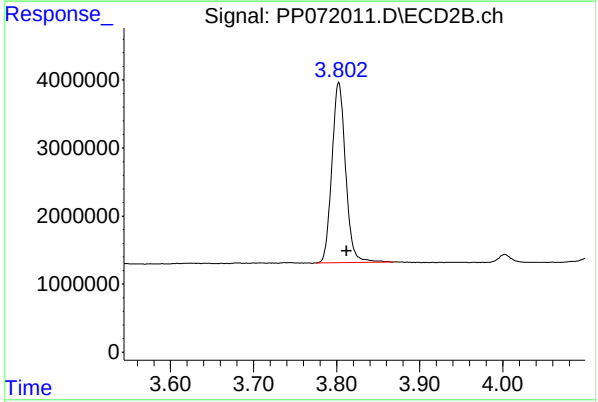
#1 Tetrachloro-m-xylene

R.T.: 4.507 min
Delta R.T.: -0.010 mi
Response: 37929229
Conc: 19.13 ng/m

Instrument :
ECD_P
ClientSampleId :
TP-6

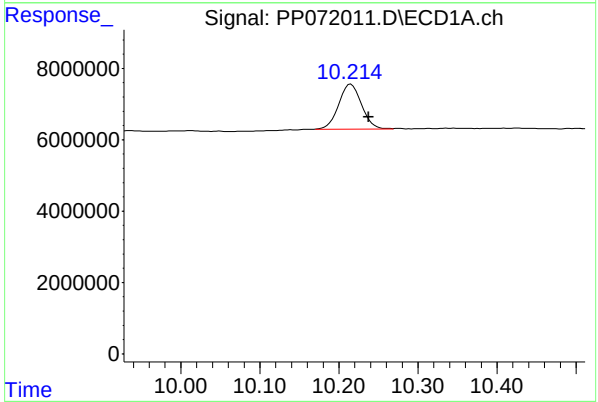
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025



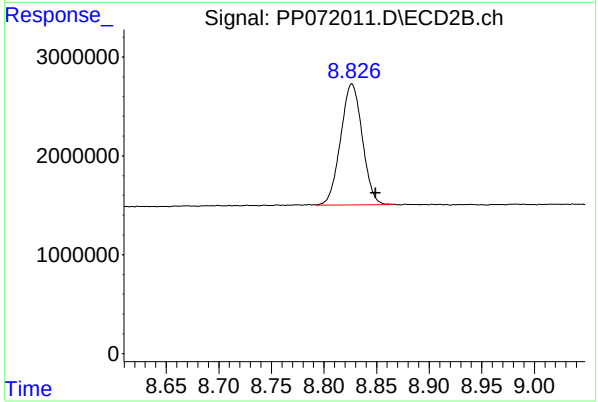
#1 Tetrachloro-m-xylene

R.T.: 3.802 min
Delta R.T.: -0.010 min
Response: 30373564
Conc: 21.56 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.215 min
Delta R.T.: -0.022 min
Response: 25299053
Conc: 17.47 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.826 min
Delta R.T.: -0.023 min
Response: 17557220
Conc: 20.02 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 13:51
Operator : YP\AJ
Sample : Q1982-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-8

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:52:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.505	3.802	37834299	30685856	19.083	21.784
2)	SA Decachlor...	10.213	8.826	25972100	18071363	17.936	20.605m
	Target Compounds						

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

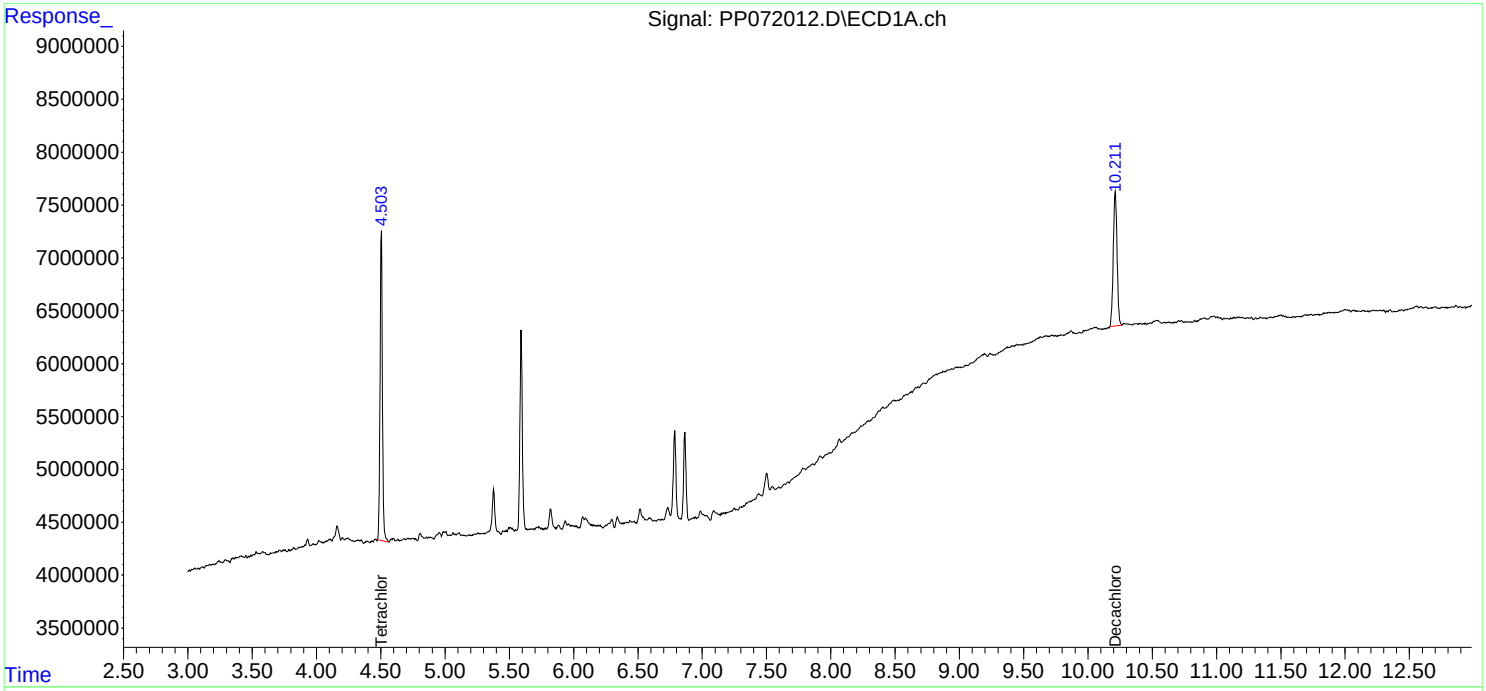
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 13:51
Operator : YP\AJ
Sample : Q1982-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

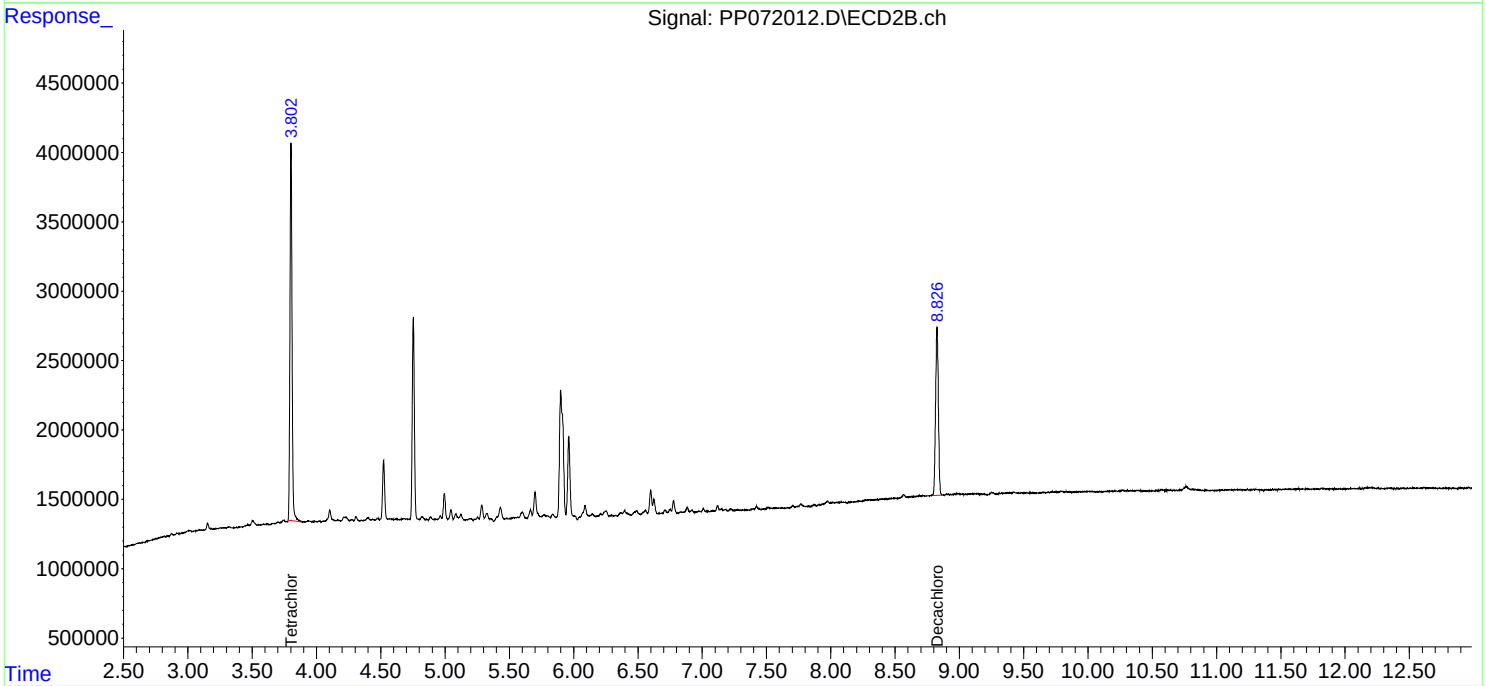
Instrument :
ECD_P
ClientSampleId :
TP-8

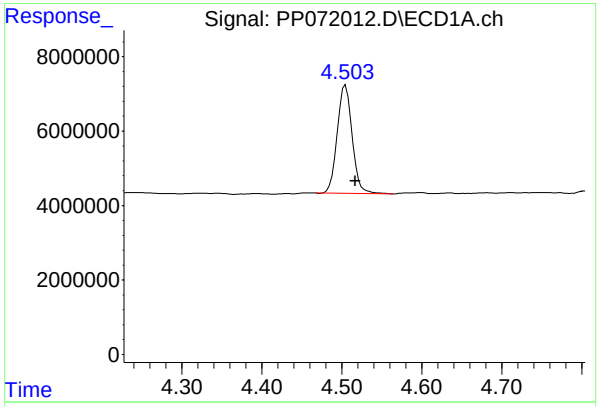
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:52:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







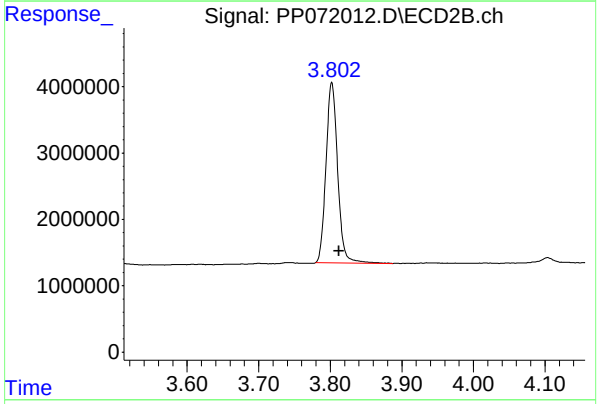
#1 Tetrachloro-m-xylene

R.T.: 4.505 min
Delta R.T.: -0.012 min
Response: 37834299
Conc: 19.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-8

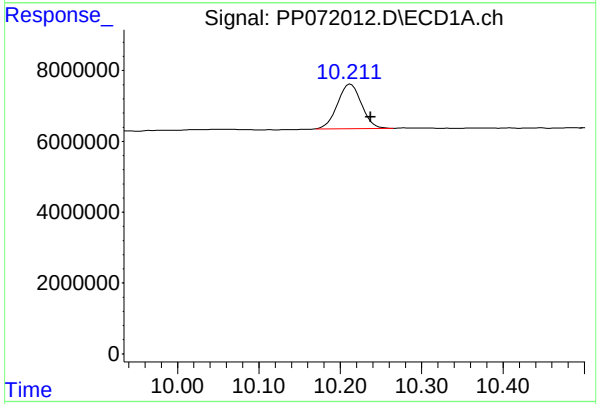
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025



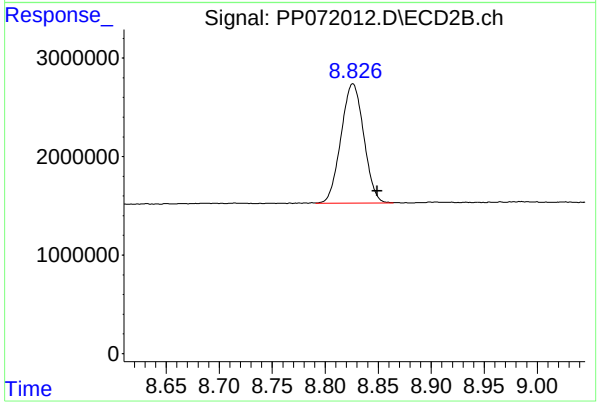
#1 Tetrachloro-m-xylene

R.T.: 3.802 min
Delta R.T.: -0.010 min
Response: 30685856
Conc: 21.78 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.213 min
Delta R.T.: -0.025 min
Response: 25972100
Conc: 17.94 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.826 min
Delta R.T.: -0.023 min
Response: 18071363
Conc: 20.60 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 14:07
Operator : YP\AJ
Sample : Q1982-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-9

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:53:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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...	4.506	3.802	35832957	29947640	18.073m	21.260m
2)	SA Decachlor...	10.216	8.826	22804176	16388878	15.749	18.686m
	Target Compounds						

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

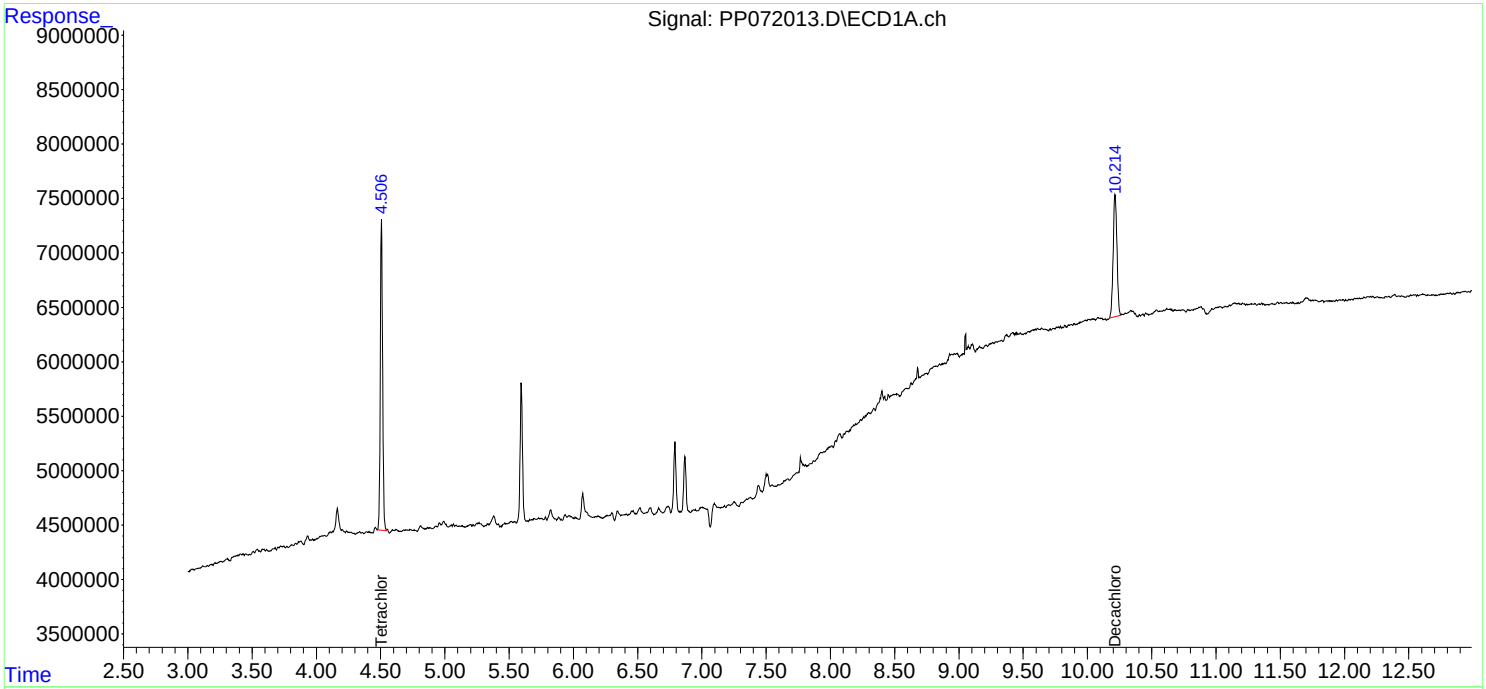
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 14:07
Operator : YP\AJ
Sample : Q1982-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

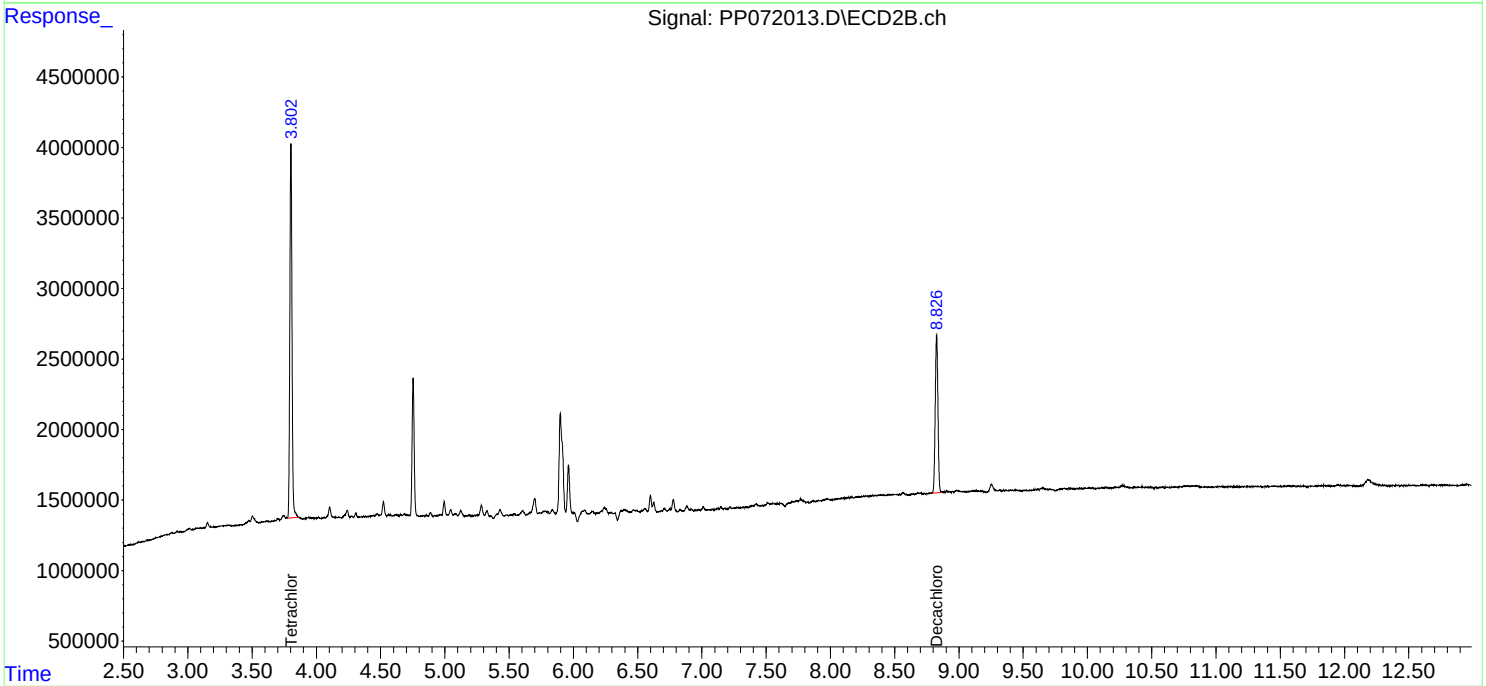
Instrument :
ECD_P
ClientSampleId :
TP-9

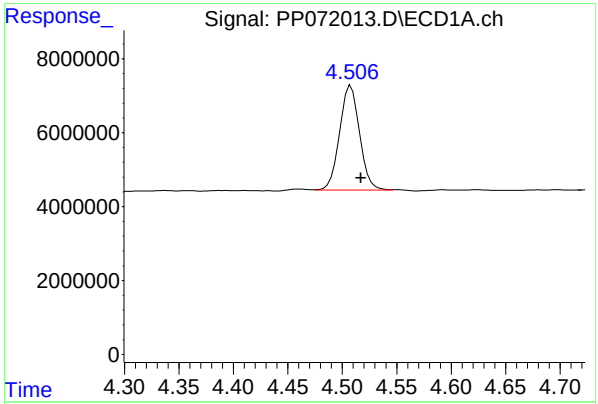
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:53:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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







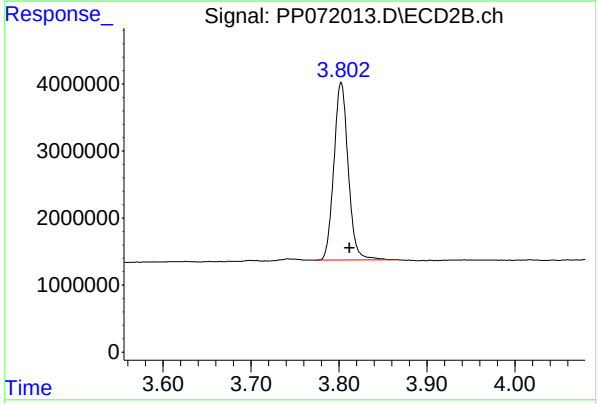
#1 Tetrachloro-m-xylene

R.T.: 4.506 min
Delta R.T.: -0.011 mi
Response: 35832957
Conc: 18.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-9

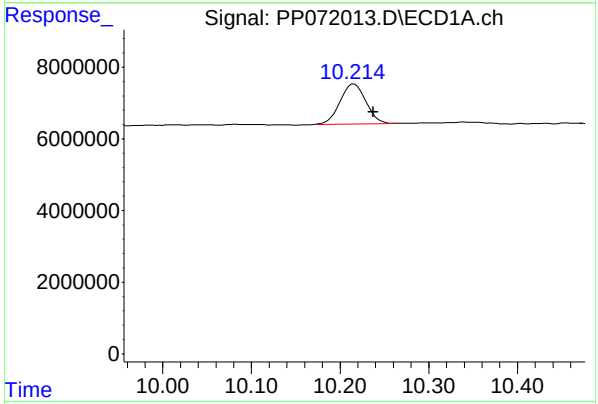
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025



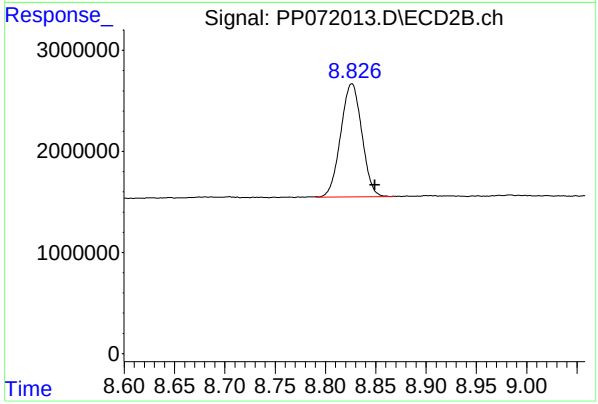
#1 Tetrachloro-m-xylene

R.T.: 3.802 min
Delta R.T.: -0.010 min
Response: 29947640
Conc: 21.26 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.216 min
Delta R.T.: -0.022 min
Response: 22804176
Conc: 15.75 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.826 min
Delta R.T.: -0.023 min
Response: 16388878
Conc: 18.69 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 13:24
Operator : YP/AJ
Sample : PB167972BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB167972BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:20:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 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...	3.684	3.680	118.0E6	98593840	20.619	20.358
2)	SA Decachlor...	8.723	8.672	102.8E6	34340558	16.848	20.353
	Target Compounds						

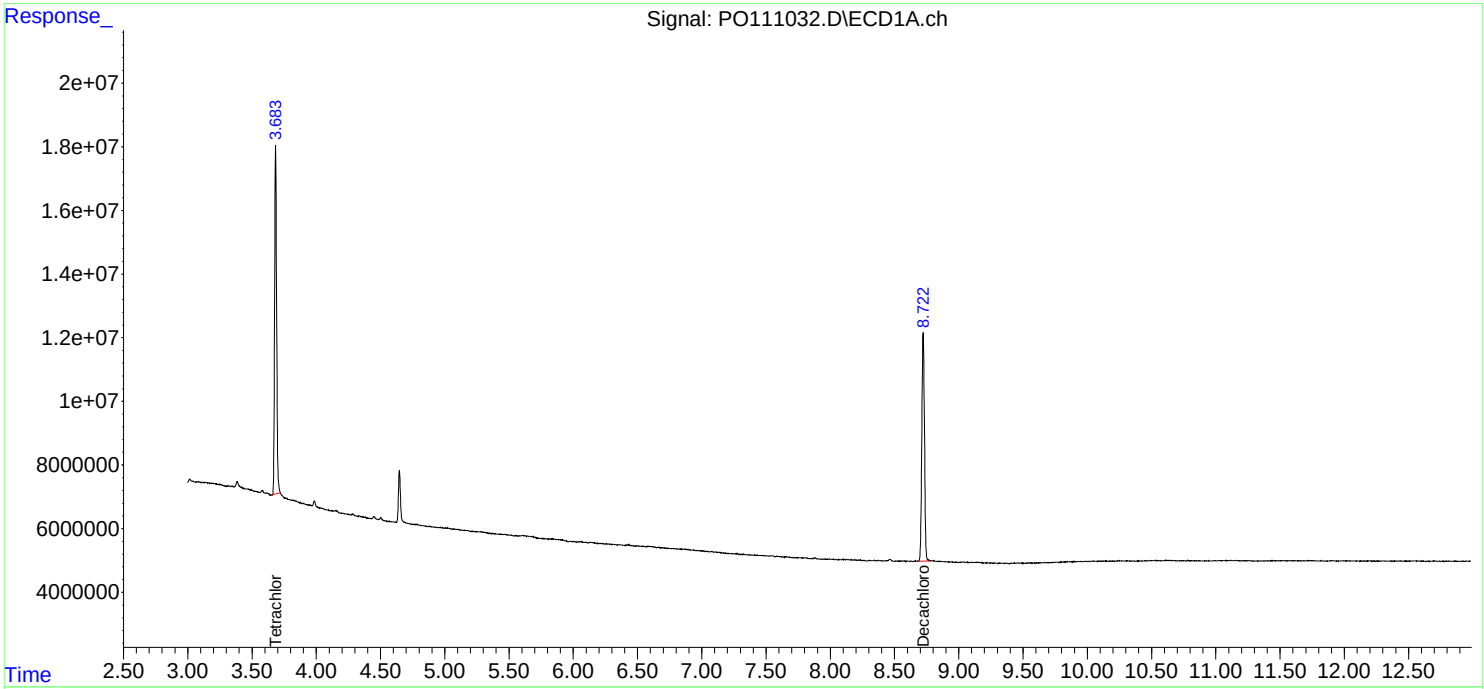
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

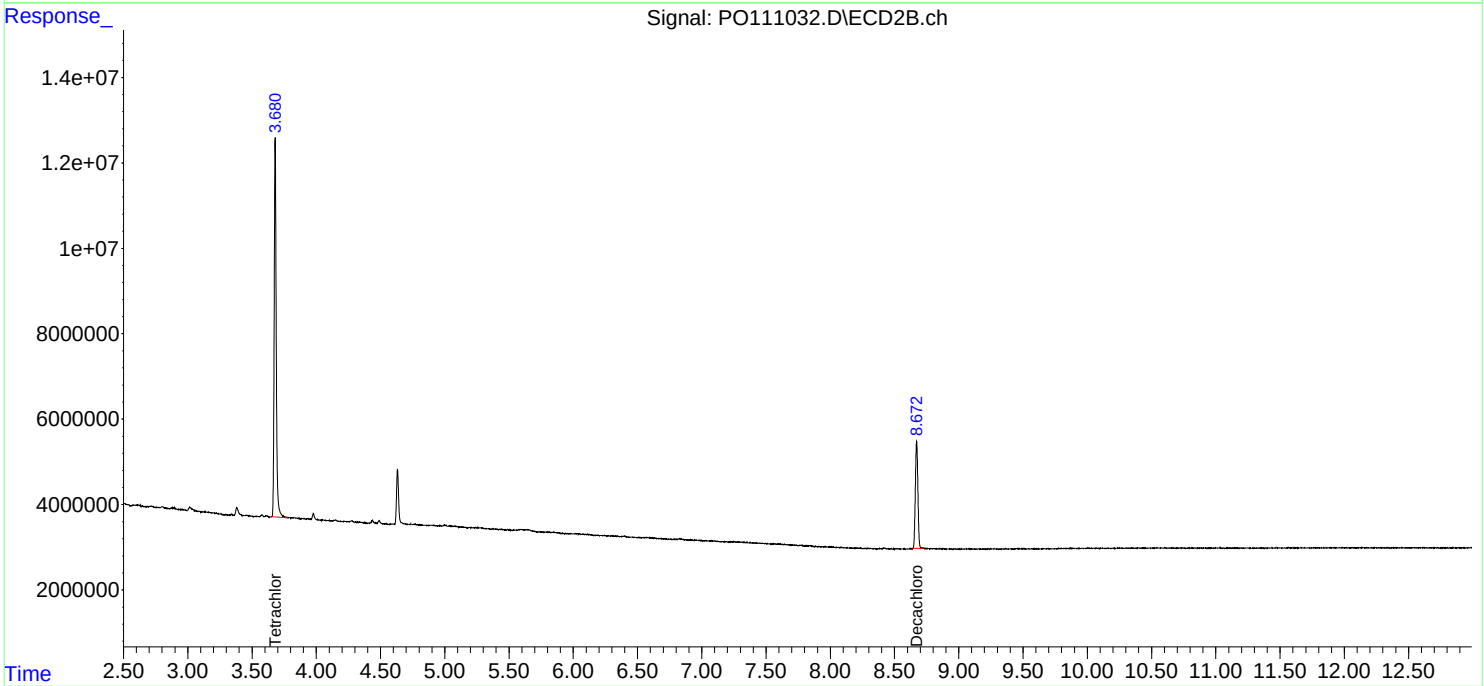
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 13:24
Operator : YP/AJ
Sample : PB167972BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

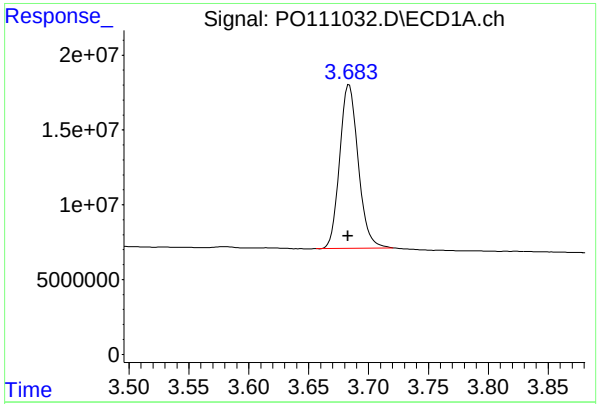
Instrument :
ECD_O
ClientSampleId :
PB167972BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:20:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 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



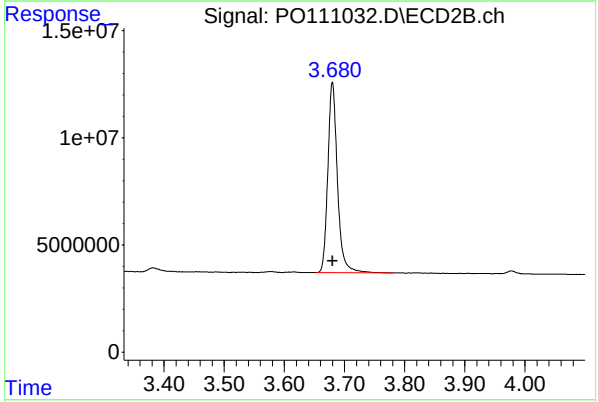




#1 Tetrachloro-m-xylene

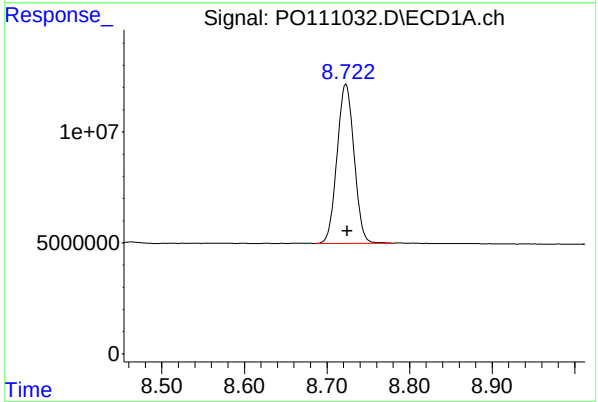
R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 117954505
Conc: 20.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167972BL



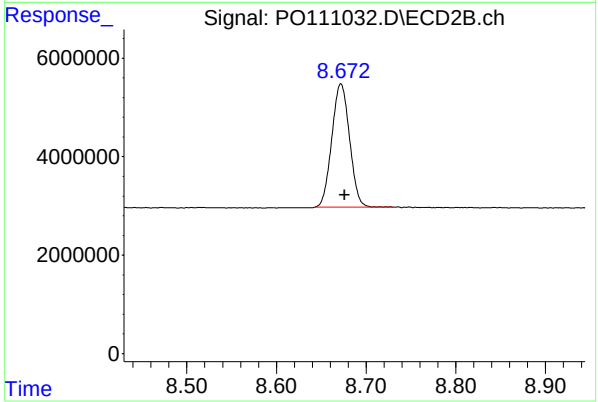
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 98593840
Conc: 20.36 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.723 min
Delta R.T.: -0.002 min
Response: 102813917
Conc: 16.85 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.672 min
Delta R.T.: -0.004 min
Response: 34340558
Conc: 20.35 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 13:42
Operator : YP/AJ
Sample : PB167972BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB167972BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:20:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 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...	3.684	3.680	105.8E6	90473919	18.492	18.681	
2)	SA Decachlor...	8.722	8.672	99783768	33883666	16.351	20.082	
	Target Compounds							
3)	L1 AR-1016-1	4.773	4.758	98069941	81945722	443.727	515.780	
4)	L1 AR-1016-2	4.791	4.777	142.3E6	117.8E6	458.656	515.527	
5)	L1 AR-1016-3	4.848	4.952	96911891	62716139	423.747	514.336	
6)	L1 AR-1016-4	4.969	4.994	76915253	51404965	460.039	510.167	
7)	L1 AR-1016-5	5.226	5.207	76504759	64905074	429.588	493.940	
31)	L7 AR-1260-1	6.265	6.237	145.1E6	113.6E6	436.191	514.625	
32)	L7 AR-1260-2	6.455	6.425	179.0E6	131.8E6	431.504	512.209	
33)	L7 AR-1260-3	6.821	6.577	136.3E6	121.0E6	386.821	519.195	#
34)	L7 AR-1260-4	7.081	7.048	119.0E6	79508707	391.256	436.631	
35)	L7 AR-1260-5	7.323	7.289	289.1E6	171.0E6	393.713	434.797	

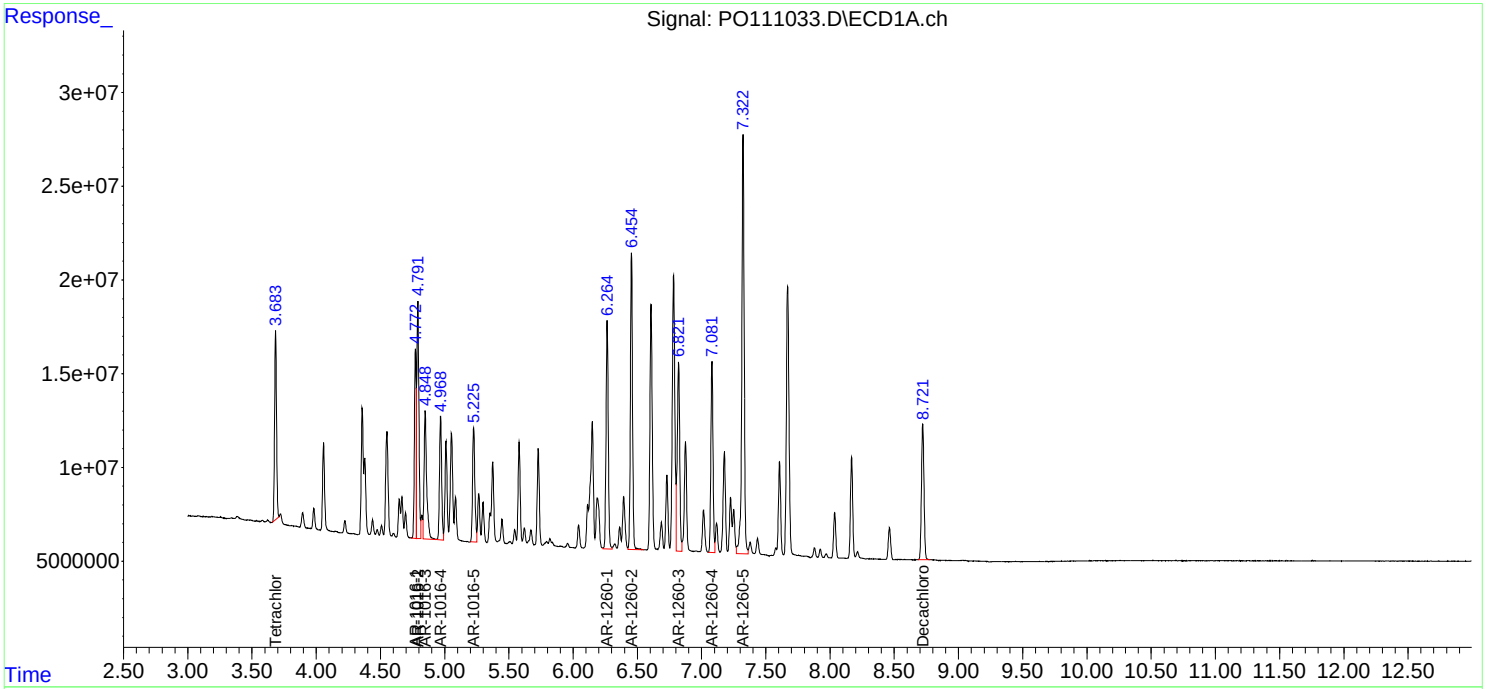
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

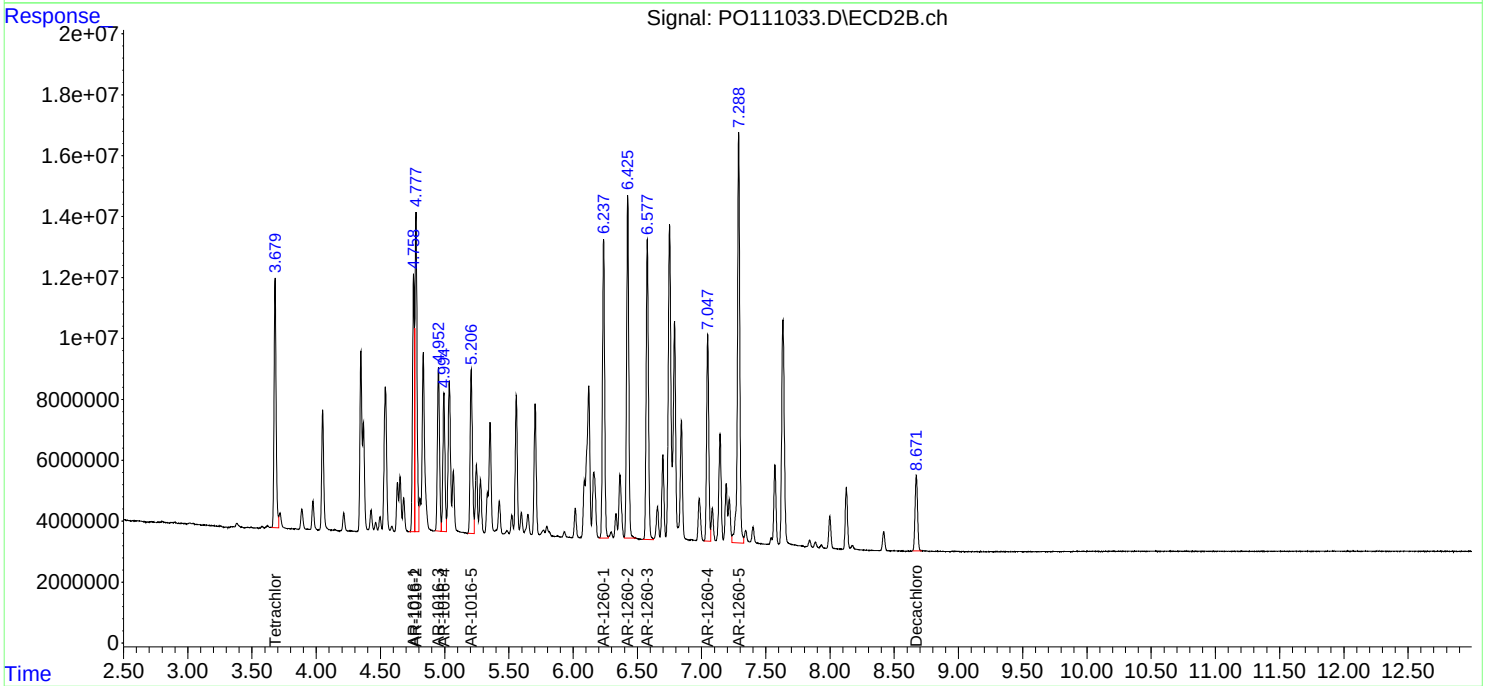
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 13:42
Operator : YP/AJ
Sample : PB167972BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB167972BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:20:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 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_O\Data\PO051325\
Data File : PO111038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 15:14
Operator : YP/AJ
Sample : Q2017-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
MH-IMS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:22:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 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...	3.684	3.680	113.5E6	99999310	19.844	20.648
2)	SA Decachlor...	8.722	8.672	90967711	32031898	14.907	18.985 #
	Target Compounds						
3)	L1 AR-1016-1	4.773	4.758	110.2E6	93024076	498.792	585.509
4)	L1 AR-1016-2	4.791	4.777	159.5E6	135.6E6	514.189	593.082
5)	L1 AR-1016-3	4.848	4.952	109.1E6	72040785	476.822	590.807
6)	L1 AR-1016-4	4.968	4.994	86859138	58216426	519.515	577.767
7)	L1 AR-1016-5	5.225	5.206	86470553	74408539	485.547	566.263
31)	L7 AR-1260-1	6.265	6.237	152.3E6	122.5E6	457.972	554.658
32)	L7 AR-1260-2	6.454	6.425	185.1E6	139.3E6	446.172	541.380
33)	L7 AR-1260-3	6.821	6.577	141.7E6	129.3E6	402.114	554.474 #
34)	L7 AR-1260-4	7.080	7.048	124.5E6	83370805	409.344	457.840
35)	L7 AR-1260-5	7.323	7.289	298.5E6	176.5E6	406.506	448.818

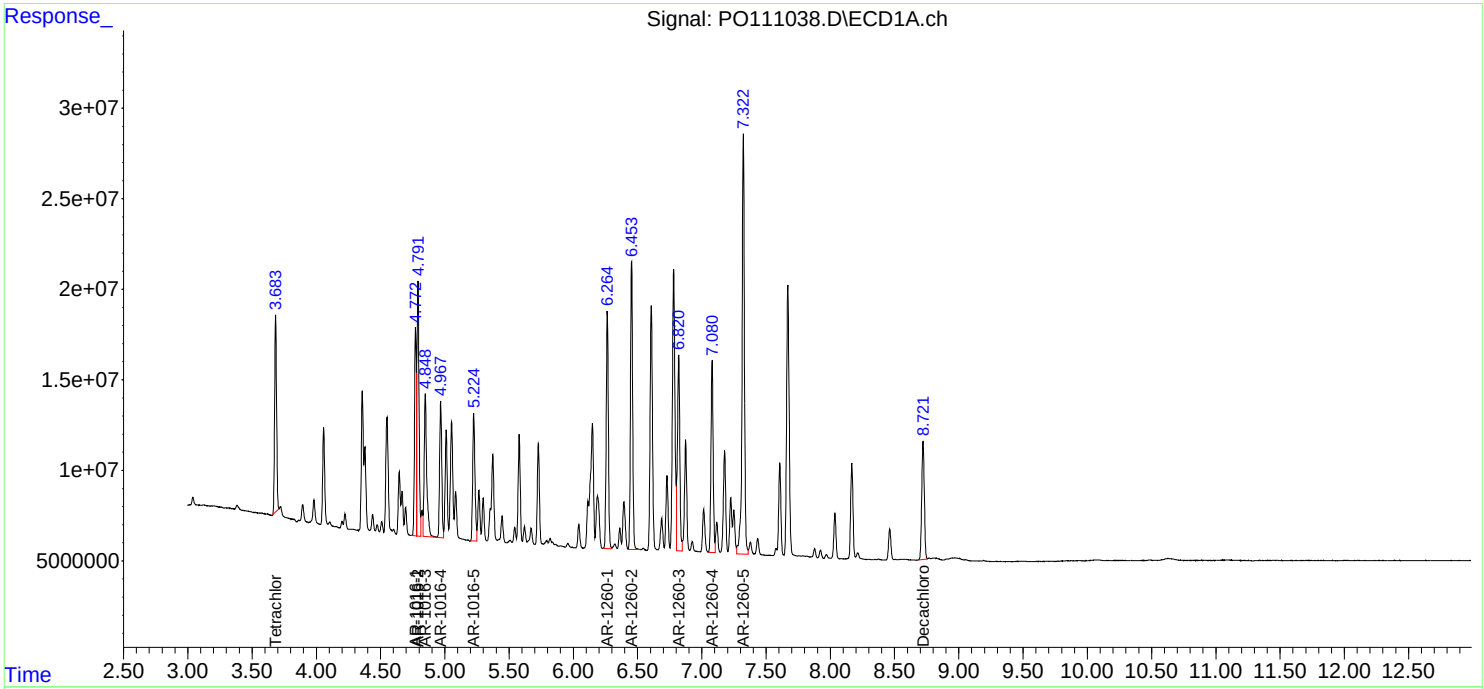
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

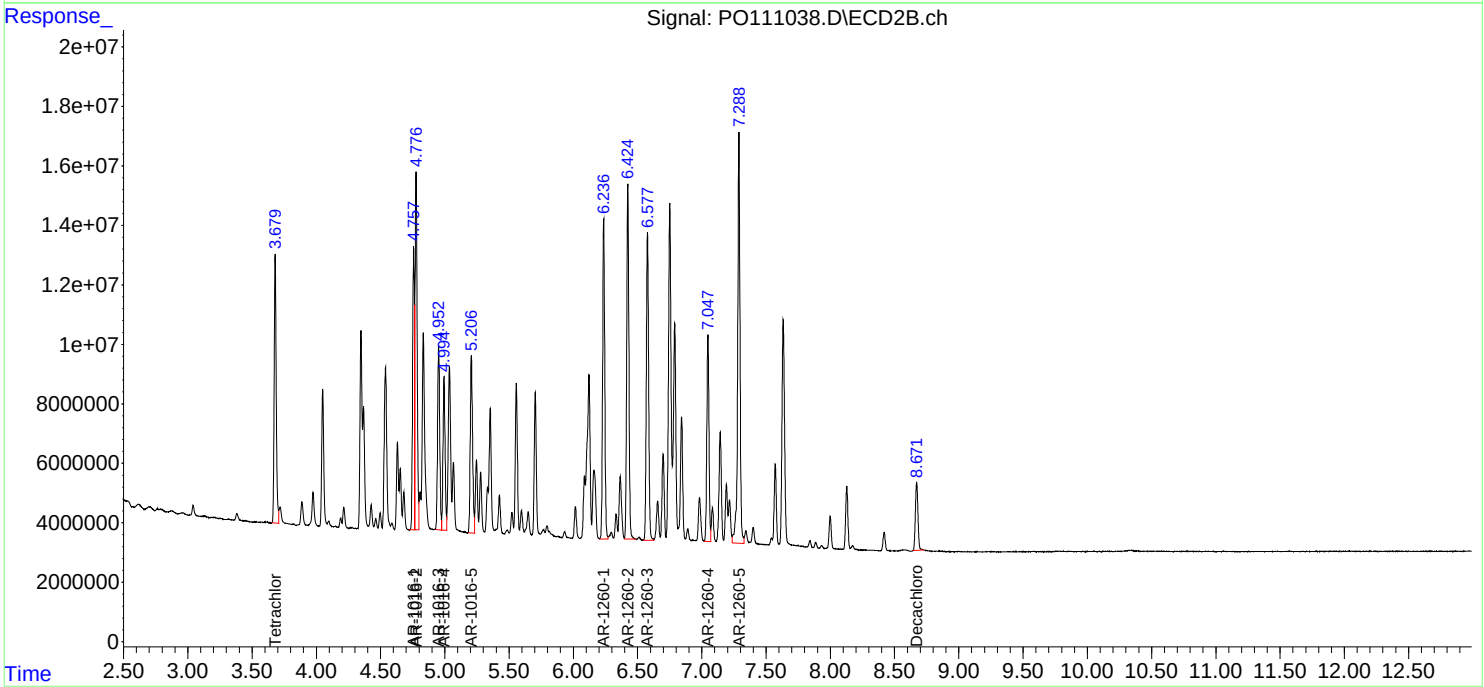
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 15:14
Operator : YP/AJ
Sample : Q2017-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
MH-IMS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:22:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 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_O\Data\PO051325\
Data File : PO111039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 15:32
Operator : YP/AJ
Sample : Q2017-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
MH-IMSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:22:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 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...	3.684	3.680	108.6E6	95010685	18.979	19.618	
2)	SA Decachlor...	8.723	8.673	86532445	31022438	14.180	18.386	#
	Target Compounds							
3)	L1 AR-1016-1	4.773	4.759	106.9E6	89379940	483.830	562.572	
4)	L1 AR-1016-2	4.792	4.777	150.8E6	128.4E6	486.033	561.902	
5)	L1 AR-1016-3	4.849	4.952	104.4E6	68458321	456.556	561.428	
6)	L1 AR-1016-4	4.969	4.994	82954384	55326084	496.160	549.082	
7)	L1 AR-1016-5	5.226	5.207	83299519	70925290	467.742	539.755	
31)	L7 AR-1260-1	6.265	6.238	145.4E6	116.8E6	437.048	529.210	
32)	L7 AR-1260-2	6.455	6.425	176.8E6	132.9E6	426.270	516.712	
33)	L7 AR-1260-3	6.822	6.577	135.9E6	123.8E6	385.793	531.070	#
34)	L7 AR-1260-4	7.081	7.048	119.1E6	79823441	391.501	438.360	
35)	L7 AR-1260-5	7.323	7.289	285.8E6	170.2E6	389.120	432.918	

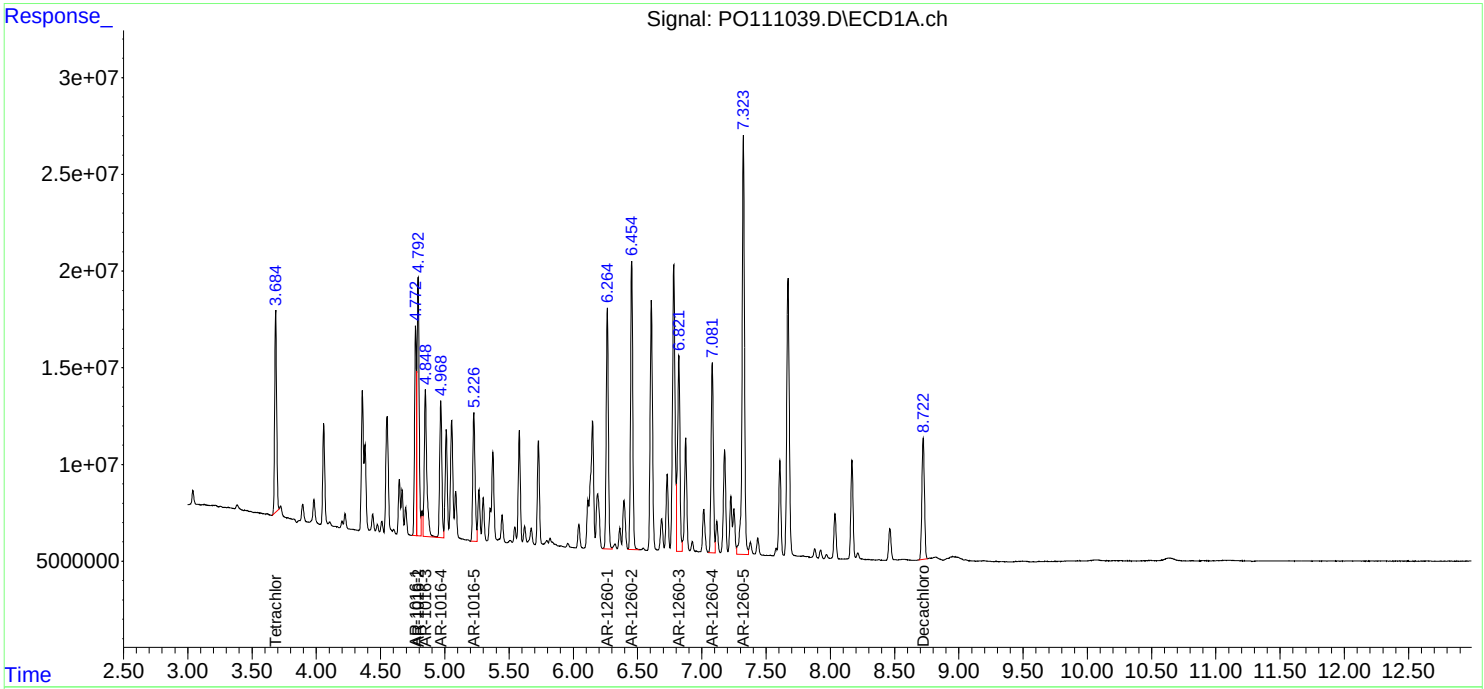
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

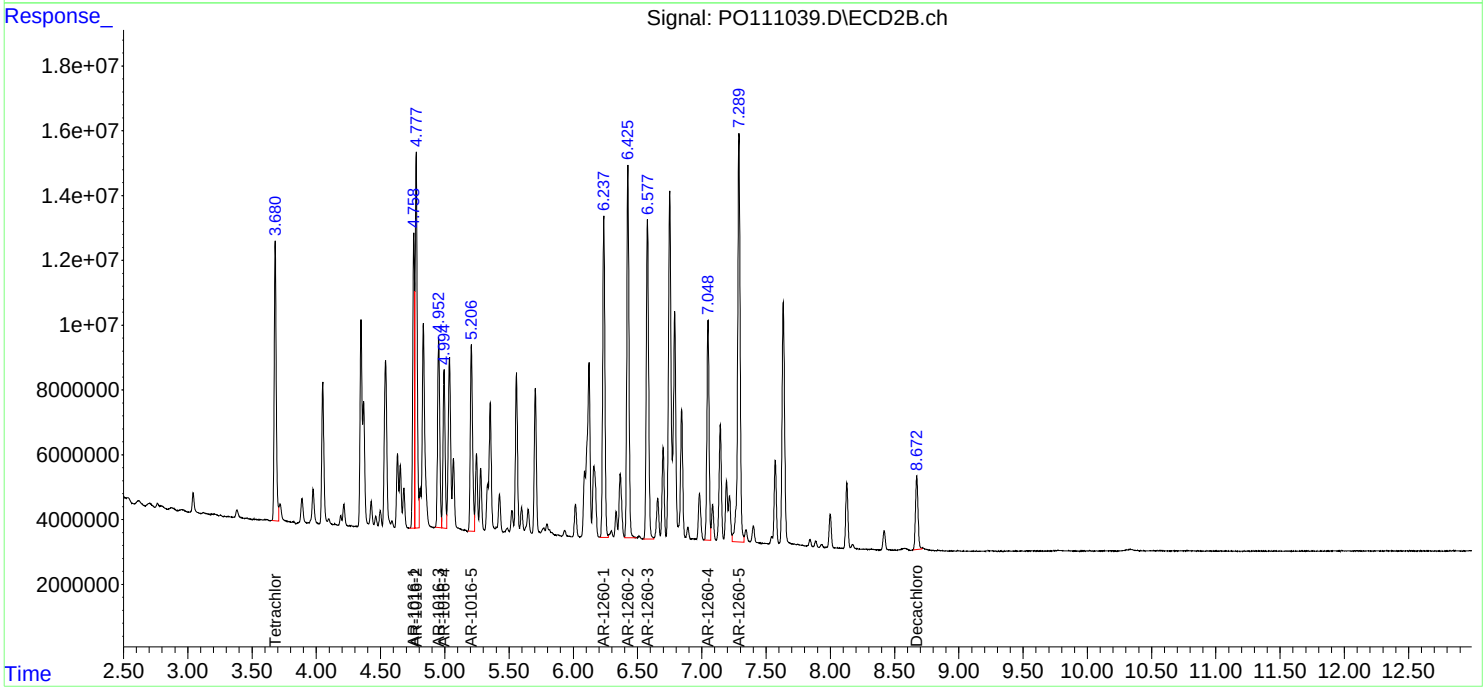
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 15:32
Operator : YP/AJ
Sample : Q2017-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
MH-IMSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:22:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 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





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Manual Integration Report

Sequence:	PO050225	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PO110896.D	AR-1260-4 #2	yogesh	5/5/2025 7:39:44 AM	mohammad	5/6/2025 4:48:57	Peak Integrated by Software
AR1660ICC050	PO110896.D	AR-1260-5 #2	yogesh	5/5/2025 7:39:44 AM	mohammad	5/6/2025 4:48:57	Peak Integrated by Software
AR1268ICC050	PO110919.D	AR-1268-1 #2	yogesh	5/5/2025 7:39:48 AM	mohammad	5/6/2025 4:48:54	Peak Integrated by Software
AR1268ICC050	PO110919.D	AR-1268-2 #2	yogesh	5/5/2025 7:39:48 AM	mohammad	5/6/2025 4:48:54	Peak Integrated by Software
AR1268ICC050	PO110919.D	AR-1268-3	yogesh	5/5/2025 7:39:48 AM	mohammad	5/6/2025 4:48:54	Peak Integrated by Software
AR1268ICC050	PO110919.D	AR-1268-3 #2	yogesh	5/5/2025 7:39:48 AM	mohammad	5/6/2025 4:48:54	Peak Integrated by Software
AR1268ICC050	PO110919.D	AR-1268-4	yogesh	5/5/2025 7:39:48 AM	mohammad	5/6/2025 4:48:54	Peak Integrated by Software
AR1268ICC050	PO110919.D	AR-1268-4 #2	yogesh	5/5/2025 7:39:48 AM	mohammad	5/6/2025 4:48:54	Peak Integrated by Software
AR1268ICC050	PO110919.D	Tetrachloro-m-xylene	yogesh	5/5/2025 7:39:48 AM	mohammad	5/6/2025 4:48:54	Peak Integrated by Software
AR1268ICC050	PO110919.D	Tetrachloro-m-xylene #2	yogesh	5/5/2025 7:39:48 AM	mohammad	5/6/2025 4:48:54	Peak Integrated by Software
AR1268ICV500	PO110924.D	AR-1268-1	yogesh	5/5/2025 7:39:50 AM	mohammad	5/6/2025 4:48:51	Peak Integrated by Software

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Sequence:	po051325	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PO111029.D	AR-1254-5	yogesh	5/14/2025 7:38:13 AM	mohammad	5/15/2025 3:42:21	Peak Integrated by Software
AR1660CCC500	PO111041.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:38:03 AM	mohammad	5/15/2025 3:42:21	Peak Integrated by Software
AR1242CCC500	PO111042.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:38:05 AM	mohammad	5/15/2025 3:42:21	Peak Integrated by Software
AR1254CCC500	PO111044.D	AR-1254-5	yogesh	5/14/2025 7:38:06 AM	mohammad	5/15/2025 3:42:21	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP042225	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PP071393.D	AR-1260-3	yogesh	4/23/2025 7:32:38 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1660ICC050	PP071393.D	AR-1260-4	yogesh	4/23/2025 7:32:38 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1660ICC050	PP071393.D	AR-1260-5	yogesh	4/23/2025 7:32:38 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1254ICC750	PP071407.D	AR-1254-5	yogesh	4/23/2025 7:32:40 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1254ICC050	PP071410.D	Tetrachloro-m-xylene	yogesh	4/23/2025 7:32:41 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICC1000	PP071412.D	AR-1268-1 #2	yogesh	4/23/2025 7:32:43 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICC750	PP071413.D	AR-1268-1 #2	yogesh	4/23/2025 7:32:44 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICC500	PP071414.D	AR-1268-1 #2	yogesh	4/23/2025 7:32:46 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICC250	PP071415.D	AR-1268-1 #2	yogesh	4/23/2025 7:32:48 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICC050	PP071416.D	AR-1268-1	yogesh	4/23/2025 7:32:50 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICC050	PP071416.D	AR-1268-1 #2	yogesh	4/23/2025 7:32:50 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICC050	PP071416.D	AR-1268-2	yogesh	4/23/2025 7:32:50 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICV500	PP071421.D	AR-1268-1 #2	yogesh	4/23/2025 7:32:52 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software

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Sequence:	PP042225	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	pp051325	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP072003.D	AR-1016-1	yogesh	5/14/2025 7:36:08 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1660CCC500	PP072003.D	AR-1016-1 #2	yogesh	5/14/2025 7:36:08 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1660CCC500	PP072003.D	AR-1016-2	yogesh	5/14/2025 7:36:08 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1660CCC500	PP072003.D	AR-1016-2 #2	yogesh	5/14/2025 7:36:08 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1660CCC500	PP072003.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:36:08 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1242CCC500	PP072004.D	AR-1242-1 #2	yogesh	5/14/2025 7:36:10 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1242CCC500	PP072004.D	AR-1242-2 #2	yogesh	5/14/2025 7:36:10 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1242CCC500	PP072004.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:36:10 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1242CCC500	PP072004.D	Tetrachloro-m-xylene #2	yogesh	5/14/2025 7:36:10 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1248CCC500	PP072005.D	AR-1248-1 #2	yogesh	5/14/2025 7:36:12 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1248CCC500	PP072005.D	Decachlorobiphenyl	yogesh	5/14/2025 7:36:12 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1248CCC500	PP072005.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:36:12 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1248CCC500	PP072005.D	Tetrachloro-m-xylene #2	yogesh	5/14/2025 7:36:12 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software

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Sequence:	pp051325	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP072006.D	AR-1254-4 #2	yogesh	5/14/2025 7:36:14 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1254CCC500	PP072006.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:36:14 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
I.BLK	PP072007.D	Decachlorobiphenyl	yogesh	5/15/2025 8:20:09 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
I.BLK	PP072007.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:20:09 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
I.BLK	PP072007.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:20:09 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
Q1982-04	PP072009.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:36:21 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
Q1982-04	PP072009.D	Tetrachloro-m-xylene	yogesh	5/14/2025 7:36:21 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
Q1982-04	PP072009.D	Tetrachloro-m-xylene #2	yogesh	5/14/2025 7:36:21 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
Q1982-05	PP072010.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:36:23 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
Q1982-05	PP072010.D	Tetrachloro-m-xylene #2	yogesh	5/14/2025 7:36:23 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
Q1982-06	PP072011.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:36:25 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
Q1982-06	PP072011.D	Tetrachloro-m-xylene #2	yogesh	5/14/2025 7:36:25 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
Q1982-07	PP072012.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:36:27 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software

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Sequence:	pp051325	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1982-08	PP072013.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:36:29 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
Q1982-08	PP072013.D	Tetrachloro-m-xylene	yogesh	5/14/2025 7:36:29 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
Q1982-08	PP072013.D	Tetrachloro-m-xylene #2	yogesh	5/14/2025 7:36:29 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1660CCC500	PP072018.D	AR-1016-1	yogesh	5/14/2025 7:36:40 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1660CCC500	PP072018.D	AR-1016-1 #2	yogesh	5/14/2025 7:36:40 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1660CCC500	PP072018.D	AR-1016-2	yogesh	5/14/2025 7:36:40 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1660CCC500	PP072018.D	AR-1016-2 #2	yogesh	5/14/2025 7:36:40 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1660CCC500	PP072018.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:36:40 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1242CCC500	PP072019.D	AR-1242-1 #2	yogesh	5/14/2025 7:36:41 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1242CCC500	PP072019.D	AR-1242-2 #2	yogesh	5/14/2025 7:36:41 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1242CCC500	PP072019.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:36:41 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1248CCC500	PP072020.D	AR-1248-1 #2	yogesh	5/14/2025 7:36:43 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1248CCC500	PP072020.D	AR-1248-3	yogesh	5/14/2025 7:36:43 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software

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Manual Integration Report

Sequence:	pp051325	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248CCC50 0	PP072020.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:36:43 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1254CCC50 0	PP072021.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:36:45 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1254CCC50 0	PP072021.D	Tetrachloro-m-xylene #2	yogesh	5/14/2025 7:36:45 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
I.BLK	PP072022.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:36:47 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1660CCC50 0	PP072027.D	AR-1016-1 #2	yogesh	5/14/2025 7:37:00 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1660CCC50 0	PP072027.D	AR-1016-2 #2	yogesh	5/14/2025 7:37:00 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1660CCC50 0	PP072027.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:37:00 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1242CCC50 0	PP072028.D	AR-1242-1 #2	yogesh	5/14/2025 7:37:02 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1242CCC50 0	PP072028.D	AR-1242-2 #2	yogesh	5/14/2025 7:37:02 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1242CCC50 0	PP072028.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:37:02 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1248CCC50 0	PP072029.D	AR-1248-1 #2	yogesh	5/14/2025 7:37:04 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1248CCC50 0	PP072029.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:37:04 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
AR1254CCC50 0	PP072030.D	AR-1254-4 #2	yogesh	5/14/2025 7:37:06 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software

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Sequence:	pp051325	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP072030.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:37:06 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software
I.BLK	PP072031.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:37:08 AM	mohammad	5/16/2025 1:54:35	Peak Integrated by Software

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO050225

Review By	yogesh	Review On	5/2/2025 11:26:03 AM		
Supervise By	mohammad	Supervise On	5/6/2025 4:49:19 AM		
SubDirectory	PO050225	HP Acquire Method		HP Processing Method	PO050225

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	PO110890.D	02 May 2025 09:08	YP/AJ	Ok
2	I.BLK	PO110891.D	02 May 2025 09:27	YP/AJ	Ok
3	AR1660ICC1000	PO110892.D	02 May 2025 09:45	YP/AJ	Ok
4	AR1660ICC750	PO110893.D	02 May 2025 10:04	YP/AJ	Ok
5	AR1660ICC500	PO110894.D	02 May 2025 10:21	YP/AJ	Ok
6	AR1660ICC250	PO110895.D	02 May 2025 10:39	YP/AJ	Ok
7	AR1660ICC050	PO110896.D	02 May 2025 10:58	YP/AJ	Ok,M
8	AR1221ICC500	PO110897.D	02 May 2025 11:16	YP/AJ	Ok
9	AR1232ICC500	PO110898.D	02 May 2025 11:34	YP/AJ	Ok
10	AR1242ICC1000	PO110899.D	02 May 2025 11:53	YP/AJ	Ok
11	AR1242ICC750	PO110900.D	02 May 2025 12:11	YP/AJ	Ok
12	AR1242ICC500	PO110901.D	02 May 2025 12:29	YP/AJ	Ok
13	AR1242ICC250	PO110902.D	02 May 2025 12:48	YP/AJ	Ok
14	AR1242ICC050	PO110903.D	02 May 2025 13:06	YP/AJ	Ok
15	AR1248ICC1000	PO110904.D	02 May 2025 13:25	YP/AJ	Ok
16	AR1248ICC750	PO110905.D	02 May 2025 13:43	YP/AJ	Ok
17	AR1248ICC500	PO110906.D	02 May 2025 14:00	YP/AJ	Ok
18	AR1248ICC250	PO110907.D	02 May 2025 14:35	YP/AJ	Ok
19	AR1248ICC050	PO110908.D	02 May 2025 14:53	YP/AJ	Ok
20	AR1254ICC1000	PO110909.D	02 May 2025 15:12	YP/AJ	Ok
21	AR1254ICC750	PO110910.D	02 May 2025 15:30	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO050225

Review By	yogesh	Review On	5/2/2025 11:26:03 AM		
Supervise By	mohammad	Supervise On	5/6/2025 4:49:19 AM		
SubDirectory	PO050225	HP Acquire Method		HP Processing Method	PO050225

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	PO110911.D	02 May 2025 15:48	YP/AJ	Ok
23	AR1254ICC250	PO110912.D	02 May 2025 16:07	YP/AJ	Ok
24	AR1254ICC050	PO110913.D	02 May 2025 16:25	YP/AJ	Ok
25	AR1262ICC500	PO110914.D	02 May 2025 17:01	YP/AJ	Ok
26	AR1268ICC1000	PO110915.D	02 May 2025 17:19	YP/AJ	Ok
27	AR1268ICC750	PO110916.D	02 May 2025 17:38	YP/AJ	Ok
28	AR1268ICC500	PO110917.D	02 May 2025 17:55	YP/AJ	Ok
29	AR1268ICC250	PO110918.D	02 May 2025 18:12	YP/AJ	Ok
30	AR1268ICC050	PO110919.D	02 May 2025 18:29	YP/AJ	Ok,M
31	PO050225ICV500	PO110920.D	02 May 2025 19:41	YP/AJ	Ok
32	AR1242ICV500	PO110921.D	02 May 2025 20:18	YP/AJ	Ok
33	AR1248ICV500	PO110922.D	02 May 2025 20:54	YP/AJ	Ok
34	AR1254ICV500	PO110923.D	02 May 2025 21:31	YP/AJ	Ok
35	AR1268ICV500	PO110924.D	02 May 2025 22:08	YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO051325

Review By	yogesh	Review On	5/13/2025 10:46:19 AM		
Supervise By	mohammad	Supervise On	5/15/2025 3:42:21 AM		
SubDirectory	PO051325	HP Acquire Method		HP Processing Method	PO050225

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	PO111025.D	13 May 2025 08:31	YP/AJ	Ok
2	AR1660CCC500	PO111026.D	13 May 2025 09:08	YP/AJ	Ok
3	AR1242CCC500	PO111027.D	13 May 2025 09:33	YP/AJ	Ok
4	AR1248CCC500	PO111028.D	13 May 2025 09:51	YP/AJ	Ok
5	AR1254CCC500	PO111029.D	13 May 2025 10:10	YP/AJ	Ok,M
6	I.BLK	PO111030.D	13 May 2025 10:28	YP/AJ	Ok
7	Q1984-09	PO111031.D	13 May 2025 10:46	YP/AJ	Ok
8	PB167972BL	PO111032.D	13 May 2025 13:24	YP/AJ	Ok
9	PB167972BS	PO111033.D	13 May 2025 13:42	YP/AJ	Ok
10	Q1982-01	PO111034.D	13 May 2025 14:01	YP/AJ	Ok
11	Q1982-02	PO111035.D	13 May 2025 14:19	YP/AJ	Ok
12	Q1982-03	PO111036.D	13 May 2025 14:37	YP/AJ	Ok
13	Q2017-01	PO111037.D	13 May 2025 14:56	YP/AJ	Ok
14	Q2017-01MS	PO111038.D	13 May 2025 15:14	YP/AJ	Ok
15	Q2017-01MSD	PO111039.D	13 May 2025 15:32	YP/AJ	Ok
16	Q2017-05	PO111040.D	13 May 2025 15:51	YP/AJ	Ok
17	AR1660CCC500	PO111041.D	13 May 2025 17:33	YP/AJ	Ok,M
18	AR1242CCC500	PO111042.D	13 May 2025 18:28	YP/AJ	Ok,M
19	AR1248CCC500	PO111043.D	13 May 2025 18:46	YP/AJ	Ok
20	AR1254CCC500	PO111044.D	13 May 2025 19:04	YP/AJ	Ok,M
21	I.BLK	PO111045.D	13 May 2025 19:23	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP042225

Review By	yogesh	Review On	4/22/2025 1:34:56 PM		
Supervise By	mohammad	Supervise On	4/24/2025 6:33:42 AM		
SubDirectory	PP042225	HP Acquire Method		HP Processing Method	PP042225

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	PP071387.D	22 Apr 2025 09:56	YP\AJ	Ok
2	I.BLK	PP071388.D	22 Apr 2025 10:13	YP\AJ	Ok
3	AR1660ICC1000	PP071389.D	22 Apr 2025 10:29	YP\AJ	Ok
4	AR1660ICC750	PP071390.D	22 Apr 2025 10:45	YP\AJ	Ok
5	AR1660ICC500	PP071391.D	22 Apr 2025 11:02	YP\AJ	Ok
6	AR1660ICC250	PP071392.D	22 Apr 2025 11:18	YP\AJ	Ok
7	AR1660ICC050	PP071393.D	22 Apr 2025 11:34	YP\AJ	Ok,M
8	AR1221ICC500	PP071394.D	22 Apr 2025 11:51	YP\AJ	Ok
9	AR1232ICC500	PP071395.D	22 Apr 2025 12:07	YP\AJ	Ok
10	AR1242ICC1000	PP071396.D	22 Apr 2025 12:23	YP\AJ	Ok
11	AR1242ICC750	PP071397.D	22 Apr 2025 12:39	YP\AJ	Ok
12	AR1242ICC500	PP071398.D	22 Apr 2025 12:56	YP\AJ	Ok
13	AR1242ICC250	PP071399.D	22 Apr 2025 13:12	YP\AJ	Ok
14	AR1242ICC050	PP071400.D	22 Apr 2025 13:28	YP\AJ	Ok
15	AR1248ICC1000	PP071401.D	22 Apr 2025 13:45	YP\AJ	Ok
16	AR1248ICC750	PP071402.D	22 Apr 2025 14:01	YP\AJ	Ok
17	AR1248ICC500	PP071403.D	22 Apr 2025 14:17	YP\AJ	Ok
18	AR1248ICC250	PP071404.D	22 Apr 2025 14:33	YP\AJ	Ok
19	AR1248ICC050	PP071405.D	22 Apr 2025 14:50	YP\AJ	Ok
20	AR1254ICC1000	PP071406.D	22 Apr 2025 15:06	YP\AJ	Ok
21	AR1254ICC750	PP071407.D	22 Apr 2025 15:22	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP042225

Review By	yogesh	Review On	4/22/2025 1:34:56 PM		
Supervise By	mohammad	Supervise On	4/24/2025 6:33:42 AM		
SubDirectory	PP042225	HP Acquire Method		HP Processing Method	PP042225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PP071408.D	22 Apr 2025 15:38	YP\AJ	Ok
23	AR1254ICC250	PP071409.D	22 Apr 2025 15:55	YP\AJ	Ok
24	AR1254ICC050	PP071410.D	22 Apr 2025 16:11	YP\AJ	Ok,M
25	AR1262ICC500	PP071411.D	22 Apr 2025 16:27	YP\AJ	Ok
26	AR1268ICC1000	PP071412.D	22 Apr 2025 16:44	YP\AJ	Ok,M
27	AR1268ICC750	PP071413.D	22 Apr 2025 17:00	YP\AJ	Ok,M
28	AR1268ICC500	PP071414.D	22 Apr 2025 17:16	YP\AJ	Ok,M
29	AR1268ICC250	PP071415.D	22 Apr 2025 17:33	YP\AJ	Ok,M
30	AR1268ICC050	PP071416.D	22 Apr 2025 17:49	YP\AJ	Ok,M
31	PP042225ICV500	PP071417.D	22 Apr 2025 18:05	YP\AJ	Ok
32	AR1242ICV500	PP071418.D	22 Apr 2025 18:38	YP\AJ	Ok
33	AR1248ICV500	PP071419.D	22 Apr 2025 19:27	YP\AJ	Ok
34	AR1254ICV500	PP071420.D	22 Apr 2025 19:43	YP\AJ	Ok
35	AR1268ICV500	PP071421.D	22 Apr 2025 20:16	YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051325

Review By	yogesh	Review On	5/13/2025 10:45:34 AM		
Supervise By	mohammad	Supervise On	5/16/2025 1:54:35 AM		
SubDirectory	PP051325	HP Acquire Method		HP Processing Method	PP042225

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	PP072002.D	13 May 2025 08:29	YP\AJ	Ok
2	AR1660CCC500	PP072003.D	13 May 2025 08:46	YP\AJ	Ok,M
3	AR1242CCC500	PP072004.D	13 May 2025 09:02	YP\AJ	Ok,M
4	AR1248CCC500	PP072005.D	13 May 2025 09:19	YP\AJ	Ok,M
5	AR1254CCC500	PP072006.D	13 May 2025 09:36	YP\AJ	Ok,M
6	I.BLK	PP072007.D	13 May 2025 09:52	YP\AJ	Ok,M
7	Q1984-13	PP072008.D	13 May 2025 10:08	YP\AJ	Ok,M
8	Q1982-04	PP072009.D	13 May 2025 13:02	YP\AJ	Ok,M
9	Q1982-05	PP072010.D	13 May 2025 13:18	YP\AJ	Ok,M
10	Q1982-06	PP072011.D	13 May 2025 13:35	YP\AJ	Ok,M
11	Q1982-07	PP072012.D	13 May 2025 13:51	YP\AJ	Ok,M
12	Q1982-08	PP072013.D	13 May 2025 14:07	YP\AJ	Ok,M
13	Q1984-15	PP072014.D	13 May 2025 14:23	YP\AJ	ReRun
14	Q2001-02	PP072015.D	13 May 2025 14:40	YP\AJ	Ok,M
15	Q2001-06	PP072016.D	13 May 2025 14:56	YP\AJ	Ok,M
16	Q2001-10	PP072017.D	13 May 2025 15:13	YP\AJ	Ok,M
17	AR1660CCC500	PP072018.D	13 May 2025 16:35	YP\AJ	Ok,M
18	AR1242CCC500	PP072019.D	13 May 2025 17:24	YP\AJ	Ok,M
19	AR1248CCC500	PP072020.D	13 May 2025 17:40	YP\AJ	Ok,M
20	AR1254CCC500	PP072021.D	13 May 2025 17:56	YP\AJ	Ok,M
21	I.BLK	PP072022.D	13 May 2025 18:13	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051325

Review By	yogesh	Review On	5/13/2025 10:45:34 AM		
Supervise By	mohammad	Supervise On	5/16/2025 1:54:35 AM		
SubDirectory	PP051325	HP Acquire Method		HP Processing Method	PP042225

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	Q2001-14	PP072023.D	13 May 2025 18:29	YP\AJ	Ok,M
23	Q2014-01	PP072024.D	13 May 2025 18:45	YP\AJ	Ok,M
24	Q2014-03	PP072025.D	13 May 2025 19:01	YP\AJ	Ok,M
25	Q2014-05	PP072026.D	13 May 2025 19:18	YP\AJ	Not Ok
26	AR1660CCC500	PP072027.D	13 May 2025 20:39	YP\AJ	Ok,M
27	AR1242CCC500	PP072028.D	13 May 2025 21:28	YP\AJ	Ok,M
28	AR1248CCC500	PP072029.D	13 May 2025 21:45	YP\AJ	Ok,M
29	AR1254CCC500	PP072030.D	13 May 2025 22:01	YP\AJ	Ok,M
30	I.BLK	PP072031.D	13 May 2025 22:17	YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO050225

Review By	yogesh	Review On	5/2/2025 11:26:03 AM		
Supervise By	mohammad	Supervise On	5/6/2025 4:49:19 AM		
SubDirectory	PO050225	HP Acquire Method		HP Processing Method	PO050225

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	PO110890.D	02 May 2025 09:08		YP/AJ	Ok
2	I.BLK	I.BLK	PO110891.D	02 May 2025 09:27		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO110892.D	02 May 2025 09:45		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO110893.D	02 May 2025 10:04		YP/AJ	Ok
5	AR1660ICC500	AR1660ICC500	PO110894.D	02 May 2025 10:21		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO110895.D	02 May 2025 10:39		YP/AJ	Ok
7	AR1660ICC050	AR1660ICC050	PO110896.D	02 May 2025 10:58		YP/AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PO110897.D	02 May 2025 11:16		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO110898.D	02 May 2025 11:34		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO110899.D	02 May 2025 11:53		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO110900.D	02 May 2025 12:11		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO110901.D	02 May 2025 12:29		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO110902.D	02 May 2025 12:48		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO110903.D	02 May 2025 13:06		YP/AJ	Ok
15	AR1248ICC1000	AR1248ICC1000	PO110904.D	02 May 2025 13:25		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO110905.D	02 May 2025 13:43		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO110906.D	02 May 2025 14:00		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO110907.D	02 May 2025 14:35		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO050225

Review By	yogesh	Review On	5/2/2025 11:26:03 AM		
Supervise By	mohammad	Supervise On	5/6/2025 4:49:19 AM		
SubDirectory	PO050225	HP Acquire Method		HP Processing Method	PO050225

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	PO110908.D	02 May 2025 14:53		YP/AJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PO110909.D	02 May 2025 15:12		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO110910.D	02 May 2025 15:30		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO110911.D	02 May 2025 15:48		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO110912.D	02 May 2025 16:07		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO110913.D	02 May 2025 16:25		YP/AJ	Ok
25	AR1262ICC500	AR1262ICC500	PO110914.D	02 May 2025 17:01		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO110915.D	02 May 2025 17:19		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO110916.D	02 May 2025 17:38		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO110917.D	02 May 2025 17:55		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO110918.D	02 May 2025 18:12		YP/AJ	Ok
30	AR1268ICC050	AR1268ICC050	PO110919.D	02 May 2025 18:29		YP/AJ	Ok,M
31	PO050225ICV500	ICVPO050225	PO110920.D	02 May 2025 19:41		YP/AJ	Ok
32	AR1242ICV500	ICVPO050225AR1242	PO110921.D	02 May 2025 20:18		YP/AJ	Ok
33	AR1248ICV500	ICVPO050225AR1248	PO110922.D	02 May 2025 20:54		YP/AJ	Ok
34	AR1254ICV500	ICVPO050225AR1254	PO110923.D	02 May 2025 21:31		YP/AJ	Ok
35	AR1268ICV500	ICVPO050225AR1268	PO110924.D	02 May 2025 22:08		YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO051325

Review By	yogesh	Review On	5/13/2025 10:46:19 AM		
Supervise By	mohammad	Supervise On	5/15/2025 3:42:21 AM		
SubDirectory	PO051325	HP Acquire Method		HP Processing Method	PO050225

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	PO111025.D	13 May 2025 08:31		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO111026.D	13 May 2025 09:08		YP/AJ	Ok
3	AR1242CCC500	AR1242CCC500	PO111027.D	13 May 2025 09:33	DCB high in 2nd column	YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO111028.D	13 May 2025 09:51	AR1248 high in 2nd column , TCMX high in 2nd column	YP/AJ	Ok
5	AR1254CCC500	AR1254CCC500	PO111029.D	13 May 2025 10:10		YP/AJ	Ok,M
6	I.BLK	I.BLK	PO111030.D	13 May 2025 10:28		YP/AJ	Ok
7	Q1984-09	OU4-TS-25-050725	PO111031.D	13 May 2025 10:46		YP/AJ	Ok
8	PB167972BL	PB167972BL	PO111032.D	13 May 2025 13:24		YP/AJ	Ok
9	PB167972BS	PB167972BS	PO111033.D	13 May 2025 13:42		YP/AJ	Ok
10	Q1982-01	TP-1	PO111034.D	13 May 2025 14:01		YP/AJ	Ok
11	Q1982-02	TP-2B	PO111035.D	13 May 2025 14:19		YP/AJ	Ok
12	Q1982-03	TP-3	PO111036.D	13 May 2025 14:37		YP/AJ	Ok
13	Q2017-01	MH-I	PO111037.D	13 May 2025 14:56		YP/AJ	Ok
14	Q2017-01MS	MH-IMS	PO111038.D	13 May 2025 15:14		YP/AJ	Ok
15	Q2017-01MSD	MH-IMSD	PO111039.D	13 May 2025 15:32		YP/AJ	Ok
16	Q2017-05	MH-J	PO111040.D	13 May 2025 15:51		YP/AJ	Ok
17	AR1660CCC500	AR1660CCC500	PO111041.D	13 May 2025 17:33		YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO051325

Review By	yogesh	Review On	5/13/2025 10:46:19 AM		
Supervise By	mohammad	Supervise On	5/15/2025 3:42:21 AM		
SubDirectory	PO051325	HP Acquire Method		HP Processing Method	PO050225

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	PO111042.D	13 May 2025 18:28	DCB high in 2nd column	YP/AJ	Ok,M
19	AR1248CCC500	AR1248CCC500	PO111043.D	13 May 2025 18:46		YP/AJ	Ok
20	AR1254CCC500	AR1254CCC500	PO111044.D	13 May 2025 19:04		YP/AJ	Ok,M
21	I.BLK	I.BLK	PO111045.D	13 May 2025 19:23		YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP042225

Review By	yogesh	Review On	4/22/2025 1:34:56 PM		
Supervise By	mohammad	Supervise On	4/24/2025 6:33:42 AM		
SubDirectory	PP042225	HP Acquire Method		HP Processing Method	PP042225

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	PP071387.D	22 Apr 2025 09:56		YP\AJ	Ok
2	I.BLK	I.BLK	PP071388.D	22 Apr 2025 10:13		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP071389.D	22 Apr 2025 10:29		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP071390.D	22 Apr 2025 10:45		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP071391.D	22 Apr 2025 11:02		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP071392.D	22 Apr 2025 11:18		YP\AJ	Ok
7	AR1660ICC050	AR1660ICC050	PP071393.D	22 Apr 2025 11:34		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP071394.D	22 Apr 2025 11:51		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PP071395.D	22 Apr 2025 12:07		YP\AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PP071396.D	22 Apr 2025 12:23		YP\AJ	Ok
11	AR1242ICC750	AR1242ICC750	PP071397.D	22 Apr 2025 12:39		YP\AJ	Ok
12	AR1242ICC500	AR1242ICC500	PP071398.D	22 Apr 2025 12:56		YP\AJ	Ok
13	AR1242ICC250	AR1242ICC250	PP071399.D	22 Apr 2025 13:12		YP\AJ	Ok
14	AR1242ICC050	AR1242ICC050	PP071400.D	22 Apr 2025 13:28		YP\AJ	Ok
15	AR1248ICC1000	AR1248ICC1000	PP071401.D	22 Apr 2025 13:45		YP\AJ	Ok
16	AR1248ICC750	AR1248ICC750	PP071402.D	22 Apr 2025 14:01		YP\AJ	Ok
17	AR1248ICC500	AR1248ICC500	PP071403.D	22 Apr 2025 14:17		YP\AJ	Ok
18	AR1248ICC250	AR1248ICC250	PP071404.D	22 Apr 2025 14:33		YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP042225

Review By	yogesh	Review On	4/22/2025 1:34:56 PM		
Supervise By	mohammad	Supervise On	4/24/2025 6:33:42 AM		
SubDirectory	PP042225	HP Acquire Method		HP Processing Method	PP042225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC050	AR1248ICC050	PP071405.D	22 Apr 2025 14:50		YP\AJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PP071406.D	22 Apr 2025 15:06		YP\AJ	Ok
21	AR1254ICC750	AR1254ICC750	PP071407.D	22 Apr 2025 15:22		YP\AJ	Ok,M
22	AR1254ICC500	AR1254ICC500	PP071408.D	22 Apr 2025 15:38		YP\AJ	Ok
23	AR1254ICC250	AR1254ICC250	PP071409.D	22 Apr 2025 15:55		YP\AJ	Ok
24	AR1254ICC050	AR1254ICC050	PP071410.D	22 Apr 2025 16:11		YP\AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP071411.D	22 Apr 2025 16:27		YP\AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PP071412.D	22 Apr 2025 16:44		YP\AJ	Ok,M
27	AR1268ICC750	AR1268ICC750	PP071413.D	22 Apr 2025 17:00		YP\AJ	Ok,M
28	AR1268ICC500	AR1268ICC500	PP071414.D	22 Apr 2025 17:16		YP\AJ	Ok,M
29	AR1268ICC250	AR1268ICC250	PP071415.D	22 Apr 2025 17:33		YP\AJ	Ok,M
30	AR1268ICC050	AR1268ICC050	PP071416.D	22 Apr 2025 17:49		YP\AJ	Ok,M
31	PP042225ICV500	ICVPP042225	PP071417.D	22 Apr 2025 18:05		YP\AJ	Ok
32	AR1242ICV500	ICVPP042225AR1242	PP071418.D	22 Apr 2025 18:38		YP\AJ	Ok
33	AR1248ICV500	ICVPP042225AR1248	PP071419.D	22 Apr 2025 19:27		YP\AJ	Ok
34	AR1254ICV500	ICVPP042225AR1254	PP071420.D	22 Apr 2025 19:43		YP\AJ	Ok
35	AR1268ICV500	ICVPP042225AR1268	PP071421.D	22 Apr 2025 20:16		YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051325

Review By	yogesh	Review On	5/13/2025 10:45:34 AM		
Supervise By	mohammad	Supervise On	5/16/2025 1:54:35 AM		
SubDirectory	PP051325	HP Acquire Method		HP Processing Method	PP042225

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	PP072002.D	13 May 2025 08:29		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP072003.D	13 May 2025 08:46	DCB high in 2nd column	YP\AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PP072004.D	13 May 2025 09:02		YP\AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PP072005.D	13 May 2025 09:19	DCB high in 2nd column	YP\AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PP072006.D	13 May 2025 09:36	DCB high in 2nd column	YP\AJ	Ok,M
6	I.BLK	I.BLK	PP072007.D	13 May 2025 09:52		YP\AJ	Ok,M
7	Q1984-13	OU4-TS-27-050725	PP072008.D	13 May 2025 10:08		YP\AJ	Ok,M
8	Q1982-04	TP-4	PP072009.D	13 May 2025 13:02		YP\AJ	Ok,M
9	Q1982-05	TP-5	PP072010.D	13 May 2025 13:18		YP\AJ	Ok,M
10	Q1982-06	TP-6	PP072011.D	13 May 2025 13:35		YP\AJ	Ok,M
11	Q1982-07	TP-8	PP072012.D	13 May 2025 13:51		YP\AJ	Ok,M
12	Q1982-08	TP-9	PP072013.D	13 May 2025 14:07		YP\AJ	Ok,M
13	Q1984-15	OU4-TS-28-050725	PP072014.D	13 May 2025 14:23	DCB Low in both column	YP\AJ	ReRun
14	Q2001-02	WC-A4-03-C	PP072015.D	13 May 2025 14:40		YP\AJ	Ok,M
15	Q2001-06	WC-A1-05-C	PP072016.D	13 May 2025 14:56		YP\AJ	Ok,M
16	Q2001-10	WC-A1-06-C	PP072017.D	13 May 2025 15:13		YP\AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PP072018.D	13 May 2025 16:35		YP\AJ	Ok,M
18	AR1242CCC500	AR1242CCC500	PP072019.D	13 May 2025 17:24		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051325

Review By	yogesh	Review On	5/13/2025 10:45:34 AM		
Supervise By	mohammad	Supervise On	5/16/2025 1:54:35 AM		
SubDirectory	PP051325	HP Acquire Method		HP Processing Method	PP042225

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	PP072020.D	13 May 2025 17:40		YP\AJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PP072021.D	13 May 2025 17:56		YP\AJ	Ok,M
21	I.BLK	I.BLK	PP072022.D	13 May 2025 18:13		YP\AJ	Ok,M
22	Q2001-14	WC-A1-07-C	PP072023.D	13 May 2025 18:29		YP\AJ	Ok,M
23	Q2014-01	MOO-25-0134	PP072024.D	13 May 2025 18:45	DCB high in 1st column	YP\AJ	Ok,M
24	Q2014-03	MOO-25-0145	PP072025.D	13 May 2025 19:01		YP\AJ	Ok,M
25	Q2014-05	MOO-25-0148	PP072026.D	13 May 2025 19:18	F Flag in TCMX in 2nd column	YP\AJ	Not Ok
26	AR1660CCC500	AR1660CCC500	PP072027.D	13 May 2025 20:39	DCB high in 2nd column	YP\AJ	Ok,M
27	AR1242CCC500	AR1242CCC500	PP072028.D	13 May 2025 21:28	DCB high in 2nd column	YP\AJ	Ok,M
28	AR1248CCC500	AR1248CCC500	PP072029.D	13 May 2025 21:45	DCB high in 2nd column	YP\AJ	Ok,M
29	AR1254CCC500	AR1254CCC500	PP072030.D	13 May 2025 22:01		YP\AJ	Ok,M
30	I.BLK	I.BLK	PP072031.D	13 May 2025 22:17		YP\AJ	Ok,M

M : Manual Integration

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EXTRACTION LOGPAGE

PB167972

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Acid Cleanup			**Extraction Start Date :**	05/13/2025
Matrix :	Solid			**Extraction Start Time :**	08:30
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	05/13/2025
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	5000 PPB	PP24461
Surrogate	1.0ML	200 PPB	PP24460
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	EP2611
Hexane	N/A	E3933
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
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS723.

KD Bath ID: N/A **Envap ID:** NEVAP-02

KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/13/25	RS (Ext lab)	JR Pest/PCB Lab
11:45	**Preparation Group**	**Analysis Group**

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EXTRACTION LOGPAGE

PrepBatch ID : PB167972

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 05/13/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By: AddedBy	Surr/Spike By: VerifiedBy	Final Vol. (mL)	JarID	Comments	Prep Pos
PB167972BL	ABLK972	PCB	30.02	N/A	ritesh	Evelyn	10			U1-1
PB167972BS	ALCS972	PCB	30.03	N/A	ritesh	Evelyn	10			2
Q1982-01	TP-1	PCB	30.02	N/A	ritesh	Evelyn	10	E		3
Q1982-02	TP-2B	PCB	30.06	N/A	ritesh	Evelyn	10	E		4
Q1982-03	TP-3	PCB	30.08	N/A	ritesh	Evelyn	10	E		5
Q1982-04	TP-4	PCB	30.03	N/A	ritesh	Evelyn	10	E		6
Q1982-05	TP-5	PCB	30.01	N/A	ritesh	Evelyn	10	E		U2-1
Q1982-06	TP-6	PCB	30.05	N/A	ritesh	Evelyn	10	E		2
Q1982-07	TP-8	PCB	30.06	N/A	ritesh	Evelyn	10	E		3
Q1982-08	TP-9	PCB	30.04	N/A	ritesh	Evelyn	10	E		4
Q1984-15	OU4-TS-28-050725	PCB	30.04	N/A	ritesh	Evelyn	10	E		5
Q2001-02	WC-A4-03-C	PCB	30.06	N/A	ritesh	Evelyn	10	E		6
Q2001-06	WC-A1-05-C	PCB	30.02	N/A	ritesh	Evelyn	10	E		U3-1
Q2001-10	WC-A1-06-C	PCB	30.01	N/A	ritesh	Evelyn	10	E		2
Q2001-14	WC-A1-07-C	PCB	30.05	N/A	ritesh	Evelyn	10	E		3
Q2014-01	MOO-25-0134	PCB	30.01	N/A	ritesh	Evelyn	10	E	Small Particles	4
Q2014-03	MOO-25-0145	PCB	30.02	N/A	ritesh	Evelyn	10	E	Small Particles	5
Q2014-05	MOO-25-0148	PCB	30.04	N/A	ritesh	Evelyn	10	E	Small Particles	6
Q2017-01	MH-I	PCB	30.08	N/A	ritesh	Evelyn	10	E		U7-1
Q2017-01MS	MH-IMS	PCB	30.03	N/A	ritesh	Evelyn	10	E		2
Q2017-01MSD	MH-IMSD	PCB	30.07	N/A	ritesh	Evelyn	10	E		3
Q2017-05	MH-J	PCB	30.06	N/A	ritesh	Evelyn	10	A		4

RS 5/16

RS 5/13

* **Extracts relinquished on the same date as received.**

Q1982 189472 9:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1982P **WorkList ID :** 189473 **Department :** Extraction **Date :** 05-13-2025 08:25:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1982-01	TP-1	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/07/2025	8082A
Q1982-02	TP-2B	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/07/2025	8082A
Q1982-03	TP-3	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/07/2025	8082A
Q1982-04	TP-4	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/07/2025	8082A
Q1982-05	TP-5	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/07/2025	8082A
Q1982-06	TP-6	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/07/2025	8082A
Q1982-07	TP-8	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/07/2025	8082A
Q1982-08	TP-9	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/07/2025	8082A
Q1984-15	OU4-TS-28-050725	Solid	PCB	Cool 4 deg C	NOBI03	L41	05/07/2025	8082A
Q2001-02	WC-A4-03-C	Solid	PCB	Cool 4 deg C	ENTA05	L61	05/06/2025	8082A
Q2001-06	WC-A1-05-C	Solid	PCB	Cool 4 deg C	ENTA05	L61	05/07/2025	8082A
Q2001-10	WC-A1-06-C	Solid	PCB	Cool 4 deg C	ENTA05	L61	05/08/2025	8082A
Q2001-14	WC-A1-07-C	Solid	PCB	Cool 4 deg C	ENTA05	L61	05/08/2025	8082A
Q2014-01	MOO-25-0134	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/12/2025	8082A
Q2014-03	MOO-25-0145	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/12/2025	8082A
Q2014-05	MOO-25-0148	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/12/2025	8082A
Q2017-01	MH-I	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/12/2025	8082A
Q2017-05	MH-J	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/12/2025	8082A

RJ 5/13

1029 of 1390

Date/Time 05/13/25 8:25
Raw Sample Received by: RJ (EA-Lab)
Raw Sample Relinquished by: CP SM

Date/Time 05/13/25 9:05
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RJ (EA-Lab)

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LAB CHRONICLE

OrderID:	Q1982	**OrderDate:**	5/7/2025 3:20:42 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
Q1982-01	**TP-1**	**SOIL**			**05/06/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			PCB	8082A		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/12/25	
Q1982-02	**TP-2B**	**SOIL**			**05/06/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			PCB	8082A		05/13/25	05/13/25	
Q1982-03	**TP-3**	**SOIL**			**05/06/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/13/25	05/13/25	
Q1982-04	**TP-4**	**SOIL**			**05/07/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/13/25	05/13/25	
Q1982-05	**TP-5**	**SOIL**			**05/07/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/13/25	05/13/25	
Q1982-06	**TP-6**	**SOIL**			**05/07/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/13/25	05/13/25	
Q1982-07	**TP-8**	**SOIL**			**05/07/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			PCB	8082A		05/13/25	05/13/25	

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LAB CHRONICLE

Q1982-08	**TP-9**	**SOIL**			**05/07/25**		**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25
			Gasoline Range Organics	8015D			05/13/25
			PCB	8082A		05/13/25	05/13/25

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Hit Summary Sheet
SW-846

SDG No.: Q1982 **Order ID:** Q1982

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
			Total Concentration:	**0.000**				

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-1	SDG No.:	Q1982
Lab Sample ID:	Q1982-01	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	80.9 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030227.D	1	05/14/25 08:30	05/15/25 11:39	PB167996

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.60	U	9.60	82.8	ug/Kg
120-36-5	DICHLORPROP	15.8	U	15.8	82.8	ug/Kg
94-75-7	2,4-D	11.2	U	11.2	82.8	ug/Kg
93-72-1	2,4,5-TP (Silvex)	11.2	U	11.2	82.8	ug/Kg
93-76-5	2,4,5-T	10.7	U	10.7	82.8	ug/Kg
94-82-6	2,4-DB	29.9	U	29.9	82.8	ug/Kg
88-85-7	DINOSEB	13.3	U	13.3	82.8	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	372		10 - 141	74%	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:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-2B	SDG No.:	Q1982
Lab Sample ID:	Q1982-02	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	85 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030228.D	1	05/14/25 08:30	05/15/25 12:03	PB167996

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.10	U	9.10	78.7	ug/Kg
120-36-5	DICHLORPROP	15.0	U	15.0	78.7	ug/Kg
94-75-7	2,4-D	10.6	U	10.6	78.7	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.6	U	10.6	78.7	ug/Kg
93-76-5	2,4,5-T	10.2	U	10.2	78.7	ug/Kg
94-82-6	2,4-DB	28.4	U	28.4	78.7	ug/Kg
88-85-7	DINOSEB	12.7	U	12.7	78.7	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	377		10 - 141	75%	SPK: 500

Comments:

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N = Presumptive Evidence of a Compound
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D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-3	SDG No.:	Q1982
Lab Sample ID:	Q1982-03	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	90.7 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
PS030229.D	1	05/14/25 08:30	05/15/25 12:27	PB167996

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.50	U	8.50	73.7	ug/Kg
120-36-5	DICHLORPROP	14.1	U	14.1	73.7	ug/Kg
94-75-7	2,4-D	9.90	U	9.90	73.7	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.0	U	10.0	73.7	ug/Kg
93-76-5	2,4,5-T	9.60	U	9.60	73.7	ug/Kg
94-82-6	2,4-DB	26.6	U	26.6	73.7	ug/Kg
88-85-7	DINOSEB	11.9	U	11.9	73.7	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	321		10 - 141	64%	SPK: 500

Comments:

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-4	SDG No.:	Q1982
Lab Sample ID:	Q1982-04	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	87.4 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
PS030230.D	1	05/14/25 08:30	05/15/25 12:51	PB167996

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	300		10 - 141	60%	SPK: 500

Comments:

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M = MS/MSD acceptance criteria did not meet requirements

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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-5	SDG No.:	Q1982
Lab Sample ID:	Q1982-05	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	89.9 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
PS030231.D	1	05/14/25 08:30	05/15/25 13:15	PB167996

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.60	U	8.60	74.4	ug/Kg
120-36-5	DICHLORPROP	14.2	U	14.2	74.4	ug/Kg
94-75-7	2,4-D	10.0	U	10.0	74.4	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.1	U	10.1	74.4	ug/Kg
93-76-5	2,4,5-T	9.70	U	9.70	74.4	ug/Kg
94-82-6	2,4-DB	26.9	U	26.9	74.4	ug/Kg
88-85-7	DINOSEB	12.0	U	12.0	74.4	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	320		10 - 141	64%	SPK: 500

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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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-6	SDG No.:	Q1982
Lab Sample ID:	Q1982-06	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	86.2 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030232.D	1	05/14/25 08:30	05/15/25 13:39	PB167996

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.00	U	9.00	77.6	ug/Kg
120-36-5	DICHLORPROP	14.8	U	14.8	77.6	ug/Kg
94-75-7	2,4-D	10.5	U	10.5	77.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.5	U	10.5	77.6	ug/Kg
93-76-5	2,4,5-T	10.1	U	10.1	77.6	ug/Kg
94-82-6	2,4-DB	28.0	U	28.0	77.6	ug/Kg
88-85-7	DINOSEB	12.5	U	12.5	77.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	356		10 - 141	71%	SPK: 500

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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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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-8	SDG No.:	Q1982
Lab Sample ID:	Q1982-07	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
PS030233.D	1	05/14/25 08:30	05/15/25 14:04	PB167996

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	302		10 - 141	60%	SPK: 500

Comments:

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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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-9	SDG No.:	Q1982
Lab Sample ID:	Q1982-08	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	81.3 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
PS030234.D	1	05/14/25 08:30	05/15/25 14:28	PB167996

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.50	U	9.50	82.2	ug/Kg
120-36-5	DICHLORPROP	15.7	U	15.7	82.2	ug/Kg
94-75-7	2,4-D	11.1	U	11.1	82.2	ug/Kg
93-72-1	2,4,5-TP (Silvex)	11.1	U	11.1	82.2	ug/Kg
93-76-5	2,4,5-T	10.7	U	10.7	82.2	ug/Kg
94-82-6	2,4-DB	29.7	U	29.7	82.2	ug/Kg
88-85-7	DINOSEB	13.3	U	13.3	82.2	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	386		10 - 141	77%	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.: Q1982

Client: CDM Smith

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PS030124.D	PIBLK-PS030124.D	2,4-DCAA	1	500	419	84		39	175
		2,4-DCAA	2	500	418	84		39	175
I.BLK-PS030223.D	PIBLK-PS030223.D	2,4-DCAA	1	500	491	98		39	175
		2,4-DCAA	2	500	503	101		39	175
Q1982-01	TP-1	2,4-DCAA	1	500	372	74		10	141
		2,4-DCAA	2	500	362	72		10	141
Q1982-02	TP-2B	2,4-DCAA	1	500	377	75		10	141
		2,4-DCAA	2	500	354	71		10	141
Q1982-03	TP-3	2,4-DCAA	1	500	321	64		10	141
		2,4-DCAA	2	500	305	61		10	141
Q1982-04	TP-4	2,4-DCAA	1	500	300	60		10	141
		2,4-DCAA	2	500	288	58		10	141
Q1982-05	TP-5	2,4-DCAA	1	500	320	64		10	141
		2,4-DCAA	2	500	312	62		10	141
Q1982-06	TP-6	2,4-DCAA	1	500	356	71		10	141
		2,4-DCAA	2	500	324	65		10	141
Q1982-07	TP-8	2,4-DCAA	1	500	300	60		10	141
		2,4-DCAA	2	500	302	60		10	141
Q1982-08	TP-9	2,4-DCAA	1	500	386	77		10	141
		2,4-DCAA	2	500	369	74		10	141
I.BLK-PS030235.D	PIBLK-PS030235.D	2,4-DCAA	1	500	451	90		39	175
		2,4-DCAA	2	500	462	92		39	175
Q1982-08MS	TP-9MS	2,4-DCAA	1	500	493	99		10	141
		2,4-DCAA	2	500	458	92		10	141
Q1982-08MSD	TP-9MSD	2,4-DCAA	1	500	529	106		10	141
		2,4-DCAA	2	500	499	100		10	141
I.BLK-PS030247.D	PIBLK-PS030247.D	2,4-DCAA	1	500	519	104		39	175
		2,4-DCAA	2	500	531	106		39	175
I.BLK-PS030275.D	PIBLK-PS030275.D	2,4-DCAA	1	500	471	94		39	175
		2,4-DCAA	2	500	469	94		39	175
PB167996BL	PB167996BL	2,4-DCAA	1	500	473	95		10	141
		2,4-DCAA	2	500	450	90		10	141
PB167996BS	PB167996BS	2,4-DCAA	1	500	554	111		10	141
		2,4-DCAA	2	500	539	108		10	141
I.BLK-PS030287.D	PIBLK-PS030287.D	2,4-DCAA	1	500	463	93		39	175
		2,4-DCAA	2	500	462	92		39	175

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1982 **Analytical Method:** 8151A

Client: CDM Smith **DataFile :** PS030237.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-9MS**											
Q1982-08MS (Column 1)	DICAMBA	204.9	0	152	ug/Kg	74				10	112	
	DICHLORPROP	204.9	0	170	ug/Kg	83				10	113	
	2,4-D	204.9	0	181	ug/Kg	88				10	144	
	2,4,5-TP(Silvex)	204.9	0	161	ug/Kg	79				10	114	
	2,4,5-T	204.9	0	154	ug/Kg	75				10	115	
	2,4-DB	204.9	0	128	ug/Kg	62				10	140	
	Dinoseb	204.9	0	14.3	ug/Kg	7	*			10	118	
Client Sample ID:	**TP-9MS**											
Q1982-08MS (Column 2)	DICAMBA	204.9	0	153	ug/Kg	75				10	112	
	DICHLORPROP	204.9	0	173	ug/Kg	84				10	113	
	2,4-D	204.9	0	178	ug/Kg	87				10	144	
	2,4,5-TP(Silvex)	204.9	0	168	ug/Kg	82				10	114	
	2,4,5-T	204.9	0	163	ug/Kg	80				10	115	
	2,4-DB	204.9	0	158	ug/Kg	77				10	140	
	Dinoseb	204.9	0	15.4	ug/Kg	8	*			10	118	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1982 **Analytical Method:** 8151A

Client: CDM Smith **DataFile :** PS030238.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-9MSD**											
Q1982-08MSD (Column 1)	DICAMBA	204.5	0	174	ug/Kg	85		14		10	112	20
	DICHLORPROP	204.5	0	198	ug/Kg	97		16		10	113	20
	2,4-D	204.5	0	207	ug/Kg	101		14		10	144	20
	2,4,5-TP(Silvex)	204.5	0	182	ug/Kg	89		12		10	114	20
	2,4,5-T	204.5	0	175	ug/Kg	86		14		10	115	20
	2,4-DB	204.5	0	145	ug/Kg	71		14		10	140	20
	Dinoseb	204.5	0	0	ug/Kg	0	*	200	*	10	118	20
Client Sample ID:	**TP-9MSD**											
Q1982-08MSD (Column 2)	DICAMBA	204.5	0	180	ug/Kg	88		16		10	112	20
	DICHLORPROP	204.5	0	195	ug/Kg	95		12		10	113	20
	2,4-D	204.5	0	204	ug/Kg	100		14		10	144	20
	2,4,5-TP(Silvex)	204.5	0	196	ug/Kg	96		16		10	114	20
	2,4,5-T	204.5	0	189	ug/Kg	92		14		10	115	20
	2,4-DB	204.5	0	187	ug/Kg	91		17		10	140	20
	Dinoseb	204.5	0	14.0	ug/Kg	7	*	13	*	10	118	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1982 **Analytical Method:** 8151A

Client: CDM Smith **Datafile :** PS030280.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167996BS (Column 1)	DICAMBA	166.5	173	ug/Kg	104				72	129	
	DICHLORPROP	166.5	172	ug/Kg	103				77	135	
	2,4-D	166.5	174	ug/Kg	105				65	144	
	2,4,5-TP(Silvex)	166.5	177	ug/Kg	106				74	146	
	2,4,5-T	166.5	178	ug/Kg	107				77	134	
	2,4-DB	166.5	188	ug/Kg	113				72	122	
	Dinoseb	166.5	175	ug/Kg	105				74	132	
PB167996BS (Column 2)	DICAMBA	166.5	169	ug/Kg	102				72	129	
	DICHLORPROP	166.5	167	ug/Kg	100				77	135	
	2,4-D	166.5	172	ug/Kg	103				65	144	
	2,4,5-TP(Silvex)	166.5	175	ug/Kg	105				74	146	
	2,4,5-T	166.5	174	ug/Kg	105				77	134	
	2,4-DB	166.5	152	ug/Kg	91				72	122	
	Dinoseb	166.5	171	ug/Kg	103				74	132	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167996BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

Lab Sample ID: PB167996BL Lab File ID: PS030279.D

Matrix: (soil/water) Solid Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 05/14/2025

Date Analyzed (1): 05/19/2025 Date Analyzed (2): 05/19/2025

Time Analyzed (1): 17:49 Time Analyzed (2): 17:49

Instrument ID (1): ECD_S Instrument ID (2): ECD_S

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLP2 ID: 0.32 (mm)

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
TP-1	Q1982-01	PS030227.D	05/15/2025	05/15/2025
TP-2B	Q1982-02	PS030228.D	05/15/2025	05/15/2025
TP-3	Q1982-03	PS030229.D	05/15/2025	05/15/2025
TP-4	Q1982-04	PS030230.D	05/15/2025	05/15/2025
TP-5	Q1982-05	PS030231.D	05/15/2025	05/15/2025
TP-6	Q1982-06	PS030232.D	05/15/2025	05/15/2025
TP-8	Q1982-07	PS030233.D	05/15/2025	05/15/2025
TP-9	Q1982-08	PS030234.D	05/15/2025	05/15/2025
TP-9MS	Q1982-08MS	PS030237.D	05/15/2025	05/15/2025
TP-9MSD	Q1982-08MSD	PS030238.D	05/15/2025	05/15/2025
PB167996BS	PB167996BS	PS030280.D	05/19/2025	05/19/2025

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:	PB167996BL	SDG No.:	Q1982
Lab Sample ID:	PB167996BL	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
PS030279.D	1	05/14/25 08:30	05/19/25 17:49	PB167996

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	473		10 - 141	95%	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:	05/12/25
Project:	South River WM Replacement	Date Received:	05/12/25
Client Sample ID:	PIBLK-PS030124.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PS030124.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
PS030124.D	1		05/12/25	PS051225

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	419		39 - 175	84%	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:	05/15/25
Project:	South River WM Replacement	Date Received:	05/15/25
Client Sample ID:	PIBLK-PS030223.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PS030223.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
PS030223.D	1		05/15/25	PS051525

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	503		39 - 175	101%	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:	05/15/25
Project:	South River WM Replacement	Date Received:	05/15/25
Client Sample ID:	PIBLK-PS030235.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PS030235.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
PS030235.D	1		05/15/25	PS051525

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		39 - 175	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

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:	05/15/25
Project:	South River WM Replacement	Date Received:	05/15/25
Client Sample ID:	PIBLK-PS030247.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PS030247.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
PS030247.D	1		05/15/25	PS051525

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	531		39 - 175	106%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/19/25
Project:	South River WM Replacement	Date Received:	05/19/25
Client Sample ID:	PIBLK-PS030275.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PS030275.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
PS030275.D	1		05/19/25	PS051925

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	471		39 - 175	94%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/19/25
Project:	South River WM Replacement	Date Received:	05/19/25
Client Sample ID:	PIBLK-PS030287.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PS030287.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
PS030287.D	1		05/19/25	PS051925

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	463		39 - 175	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:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB167996BS	SDG No.:	Q1982
Lab Sample ID:	PB167996BS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030280.D	1	05/14/25 08:30	05/19/25 18:13	PB167996

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	173		7.70	66.9	ug/Kg
120-36-5	DICHLORPROP	172		12.8	66.9	ug/Kg
94-75-7	2,4-D	174		9.00	66.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	177		9.10	66.9	ug/Kg
93-76-5	2,4,5-T	178		8.70	66.9	ug/Kg
94-82-6	2,4-DB	188		24.2	66.9	ug/Kg
88-85-7	DINOSEB	175		10.8	66.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	554		10 - 141	111%	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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-9MS	SDG No.:	Q1982
Lab Sample ID:	Q1982-08MS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	81.3 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
PS030237.D	1	05/14/25 08:30	05/15/25 16:30	PB167996

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	153		9.50	82.4	ug/Kg
120-36-5	DICHLORPROP	173		15.7	82.4	ug/Kg
94-75-7	2,4-D	181		11.1	82.4	ug/Kg
93-72-1	2,4,5-TP (Silvex)	168		11.1	82.4	ug/Kg
93-76-5	2,4,5-T	163		10.7	82.4	ug/Kg
94-82-6	2,4-DB	158		29.8	82.4	ug/Kg
88-85-7	DINOSEB	15.4	J	13.3	82.4	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	493		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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-9MSD	SDG No.:	Q1982
Lab Sample ID:	Q1982-08MSD	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	81.3 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030238.D	1	05/14/25 08:30	05/15/25 16:54	PB167996

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	180		9.50	82.2	ug/Kg
120-36-5	DICHLORPROP	198		15.7	82.2	ug/Kg
94-75-7	2,4-D	207		11.1	82.2	ug/Kg
93-72-1	2,4,5-TP (Silvex)	196		11.1	82.2	ug/Kg
93-76-5	2,4,5-T	189		10.7	82.2	ug/Kg
94-82-6	2,4-DB	187	P	29.7	82.2	ug/Kg
88-85-7	DINOSEB	14.0	J	13.2	82.2	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	529		10 - 141	106%	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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Instrument ID: ECD_S **Calibration Date(s):** 05/12/2025 05/12/2025

Calibration Times: 12:30 14:06

GC Column: RTX-CLP ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS030125.D RT 500 = PS030126.D

RT 750 = PS030127.D RT 1000 = PS030128.D RT 1500 = PS030129.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	9.13	9.13	9.13	9.13	9.13	9.13	9.03	9.23
2,4,5-TP(Silvex)	8.85	8.85	8.85	8.85	8.85	8.85	8.75	8.95
2,4-D	8.01	8.01	8.01	8.01	8.01	8.01	7.91	8.11
2,4-DB	9.69	9.69	9.69	9.69	9.69	9.69	9.59	9.79
2,4-DCAA	6.93	6.93	6.93	6.93	6.93	6.93	6.83	7.03
DICAMBA	7.11	7.11	7.11	7.11	7.11	7.11	7.01	7.21
DICHLORPROP	7.79	7.79	7.79	7.79	7.79	7.79	7.69	7.89
Dinoseb	10.85	10.85	10.85	10.85	10.85	10.85	10.75	10.95

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Instrument ID: ECD_S **Calibration Date(s):** 05/12/2025 05/12/2025

Calibration Times: 12:30 14:06

GC Column: RTX-CLP2 ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS030125.D RT 500 = PS030126.D

RT 750 = PS030127.D RT 1000 = PS030128.D RT 1500 = PS030129.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
2,4,5-TP(Silvex)	9.52	9.52	9.52	9.52	9.52	9.52	9.42	9.62
2,4-D	8.64	8.65	8.64	8.65	8.65	8.64	8.54	8.74
2,4-DB	10.49	10.49	10.49	10.49	10.49	10.48	10.38	10.58
2,4-DCAA	7.45	7.45	7.45	7.45	7.45	7.45	7.35	7.55
DICAMBA	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
DICHLORPROP	8.33	8.33	8.33	8.33	8.33	8.33	8.23	8.43
Dinoseb	10.86	10.86	10.86	10.86	10.86	10.86	10.76	10.96

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Instrument ID: ECD_S **Calibration Date(s):** 05/12/2025 05/12/2025

Calibration Times: 12:30 14:06

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 200 =** PS030125.D **CF 500 =** PS030126.D

CF 750 = PS030127.D **CF 1000 =** PS030128.D **CF 1500 =** PS030129.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	19806400000	16697600000	15922400000	15360700000	14788800000	16515200000	12
2,4,5-TP(Silvex)	19321200000	16303400000	15619800000	15128700000	14606800000	16196000000	11
2,4-D	4048870000	3291910000	3113030000	3014870000	2926010000	3278940000	14
2,4-DB	2822620000	2567110000	2564340000	2542470000	2552320000	2609770000	5
2,4-DCAA	3540840000	2868830000	2702520000	2609290000	2517560000	2847810000	14
DICAMBA	13660900000	11601800000	11140600000	10847100000	10536400000	11557400000	11
DICHLORPROP	3626670000	2931320000	2773470000	2680380000	2594880000	2921340000	14
Dinoseb	13788600000	11497400000	10989000000	10638600000	10268200000	11436400000	12

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Instrument ID: ECD_S

Calibration Date(s): 05/12/2025 05/12/2025

Calibration Times: 12:30 14:06

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 200 =** PS030125.D **CF 500 =** PS030126.D

CF 750 = PS030127.D **CF 1000 =** PS030128.D **CF 1500 =** PS030129.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	10274700000	9232570000	9042300000	8854580000	8613880000	9203610000	7
2,4,5-TP(Silvex)	10913400000	9868000000	9697110000	9517670000	9255920000	9850430000	6
2,4-D	1480680000	1290430000	1248060000	1225910000	1207420000	1290500000	9
2,4-DB	1268930000	952436000	948485000	881256000	910753000	992372000	16
2,4-DCAA	922885000	799420000	773490000	758361000	746863000	800204000	9
DICAMBA	5034950000	4673810000	4651340000	4635790000	4643990000	4727980000	4
DICHLORPROP	1388930000	1177530000	1140920000	1112240000	1087540000	1181430000	10
Dinoseb	7723880000	6842530000	6670660000	6540750000	6382090000	6831980000	8

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/15/2025 **Initial Calibration Date(s):** 05/12/2025 05/12/2025

Continuing Calib Time: 10:18 **Initial Calibration Time(s):** 12:30 14:06

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.11	7.11	7.01	7.21	0.00
2,4-DCAA	6.93	6.93	6.83	7.03	0.00
DICHLORPROP	7.79	7.79	7.69	7.89	0.00
2,4-D	8.01	8.01	7.91	8.11	0.00
2,4,5-TP(Silvex)	8.85	8.85	8.75	8.95	0.00
2,4,5-T	9.13	9.13	9.03	9.23	0.00
2,4-DB	9.69	9.69	9.59	9.79	0.00
Dinoseb	10.85	10.85	10.75	10.95	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/15/2025 **Initial Calibration Date(s):** 05/12/2025 05/12/2025

Continuing Calib Time: 10:18 **Initial Calibration Time(s):** 12:30 14:06

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.64	7.64	7.54	7.74	0.00
2,4-DCAA	7.45	7.45	7.35	7.55	0.00
DICHLORPROP	8.33	8.33	8.23	8.43	0.00
2,4-D	8.64	8.64	8.54	8.74	0.00
2,4,5-TP(Silvex)	9.52	9.52	9.42	9.62	0.00
2,4,5-T	9.92	9.93	9.83	10.03	0.01
2,4-DB	10.48	10.49	10.39	10.59	0.01
Dinoseb	10.85	10.86	10.76	10.96	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/12/2025 05/12/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/15/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030224.D **Time Analyzed:** 10:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.132	9.033	9.233	669.850	712.500	-6.0
2,4,5-TP(Silvex)	8.851	8.750	8.950	671.550	712.500	-5.7
2,4-D	8.010	7.910	8.110	666.560	705.000	-5.5
2,4-DB	9.690	9.589	9.789	698.480	712.500	-2.0
2,4-DCAA	6.934	6.834	7.034	694.260	750.000	-7.4
DICAMBA	7.109	7.010	7.210	661.320	705.000	-6.2
DICHLORPROP	7.790	7.689	7.889	650.860	705.000	-7.7
Dinoseb	10.851	10.751	10.951	654.470	705.000	-7.2

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/12/2025 05/12/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/15/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030224.D **Time Analyzed:** 10:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.923	9.826	10.026	669.280	712.500	-6.1
2,4,5-TP(Silvex)	9.519	9.423	9.623	674.040	712.500	-5.4
2,4-D	8.641	8.544	8.744	668.710	705.000	-5.1
2,4-DB	10.481	10.385	10.585	633.760	712.500	-11.1
2,4-DCAA	7.451	7.354	7.554	698.470	750.000	-6.9
DICAMBA	7.636	7.539	7.739	667.200	705.000	-5.4
DICHLORPROP	8.328	8.232	8.432	648.370	705.000	-8.0
Dinoseb	10.854	10.758	10.958	655.130	705.000	-7.1

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/15/2025 **Initial Calibration Date(s):** 05/12/2025 05/12/2025

Continuing Calib Time: 16:06 **Initial Calibration Time(s):** 12:30 14:06

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.11	7.11	7.01	7.21	0.00
2,4-DCAA	6.93	6.93	6.83	7.03	0.00
DICHLORPROP	7.79	7.79	7.69	7.89	0.00
2,4-D	8.01	8.01	7.91	8.11	0.00
2,4,5-TP(Silvex)	8.85	8.85	8.75	8.95	0.00
2,4,5-T	9.13	9.13	9.03	9.23	0.00
2,4-DB	9.69	9.69	9.59	9.79	0.00
Dinoseb	10.85	10.85	10.75	10.95	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/15/2025 **Initial Calibration Date(s):** 05/12/2025 05/12/2025

Continuing Calib Time: 16:06 **Initial Calibration Time(s):** 12:30 14:06

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.64	7.64	7.54	7.74	0.00
2,4-DCAA	7.45	7.45	7.35	7.55	0.00
DICHLORPROP	8.33	8.33	8.23	8.43	0.00
2,4-D	8.64	8.64	8.54	8.74	0.00
2,4,5-TP(Silvex)	9.52	9.52	9.42	9.62	0.00
2,4,5-T	9.92	9.93	9.83	10.03	0.01
2,4-DB	10.48	10.49	10.39	10.59	0.01
Dinoseb	10.86	10.86	10.76	10.96	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/12/2025 05/12/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/15/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030236.D **Time Analyzed:** 16:06

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.131	9.033	9.233	707.730	712.500	-0.7
2,4,5-TP(Silvex)	8.849	8.750	8.950	707.610	712.500	-0.7
2,4-D	8.008	7.910	8.110	690.730	705.000	-2.0
2,4-DB	9.689	9.589	9.789	753.460	712.500	5.7
2,4-DCAA	6.932	6.834	7.034	734.390	750.000	-2.1
DICAMBA	7.109	7.010	7.210	700.170	705.000	-0.7
DICHLORPROP	7.789	7.689	7.889	688.270	705.000	-2.4
Dinoseb	10.850	10.751	10.951	681.630	705.000	-3.3

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/12/2025 05/12/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/15/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030236.D **Time Analyzed:** 16:06

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.923	9.826	10.026	719.900	712.500	1.0
2,4,5-TP(Silvex)	9.519	9.423	9.623	722.990	712.500	1.5
2,4-D	8.641	8.544	8.744	710.880	705.000	0.8
2,4-DB	10.481	10.385	10.585	666.280	712.500	-6.5
2,4-DCAA	7.451	7.354	7.554	743.230	750.000	-0.9
DICAMBA	7.636	7.539	7.739	718.480	705.000	1.9
DICHLORPROP	8.329	8.232	8.432	689.300	705.000	-2.2
Dinoseb	10.855	10.758	10.958	701.990	705.000	-0.4

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/15/2025 **Initial Calibration Date(s):** 05/12/2025 05/12/2025

Continuing Calib Time: 20:55 **Initial Calibration Time(s):** 12:30 14:06

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.11	7.11	7.01	7.21	0.00
2,4-DCAA	6.93	6.93	6.83	7.03	0.00
DICHLORPROP	7.79	7.79	7.69	7.89	0.00
2,4-D	8.01	8.01	7.91	8.11	0.00
2,4,5-TP(Silvex)	8.85	8.85	8.75	8.95	0.00
2,4,5-T	9.13	9.13	9.03	9.23	0.00
2,4-DB	9.69	9.69	9.59	9.79	0.00
Dinoseb	10.85	10.85	10.75	10.95	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/15/2025 **Initial Calibration Date(s):** 05/12/2025 05/12/2025

Continuing Calib Time: 20:55 **Initial Calibration Time(s):** 12:30 14:06

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.64	7.64	7.54	7.74	0.00
2,4-DCAA	7.45	7.45	7.35	7.55	0.00
DICHLORPROP	8.33	8.33	8.23	8.43	0.00
2,4-D	8.64	8.64	8.54	8.74	0.00
2,4,5-TP(Silvex)	9.52	9.52	9.42	9.62	0.00
2,4,5-T	9.92	9.93	9.83	10.03	0.01
2,4-DB	10.48	10.49	10.39	10.59	0.01
Dinoseb	10.86	10.86	10.76	10.96	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/12/2025 05/12/2025

Client Sample No.: CCAL03 **Date Analyzed:** 05/15/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030248.D **Time Analyzed:** 20:55

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.131	9.033	9.233	717.030	712.500	0.6
2,4,5-TP(Silvex)	8.849	8.750	8.950	713.490	712.500	0.1
2,4-D	8.009	7.910	8.110	700.350	705.000	-0.7
2,4-DB	9.689	9.589	9.789	764.870	712.500	7.4
2,4-DCAA	6.933	6.834	7.034	740.230	750.000	-1.3
DICAMBA	7.109	7.010	7.210	704.680	705.000	0.0
DICHLORPROP	7.789	7.689	7.889	694.060	705.000	-1.6
Dinoseb	10.849	10.751	10.951	699.880	705.000	-0.7

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/12/2025 05/12/2025

Client Sample No.: CCAL03 **Date Analyzed:** 05/15/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030248.D **Time Analyzed:** 20:55

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.924	9.826	10.026	722.850	712.500	1.5
2,4,5-TP(Silvex)	9.520	9.423	9.623	726.910	712.500	2.0
2,4-D	8.642	8.544	8.744	719.140	705.000	2.0
2,4-DB	10.481	10.385	10.585	644.470	712.500	-9.5
2,4-DCAA	7.452	7.354	7.554	751.940	750.000	0.3
DICAMBA	7.637	7.539	7.739	723.820	705.000	2.7
DICHLORPROP	8.330	8.232	8.432	696.240	705.000	-1.2
Dinoseb	10.855	10.758	10.958	712.020	705.000	1.0

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/19/2025 **Initial Calibration Date(s):** 05/12/2025 05/12/2025

Continuing Calib Time: 16:37 **Initial Calibration Time(s):** 12:30 14:06

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.11	7.11	7.01	7.21	0.00
2,4-DCAA	6.93	6.93	6.83	7.03	0.00
DICHLORPROP	7.79	7.79	7.69	7.89	0.00
2,4-D	8.01	8.01	7.91	8.11	0.00
2,4,5-TP(Silvex)	8.85	8.85	8.75	8.95	0.00
2,4,5-T	9.13	9.13	9.03	9.23	0.00
2,4-DB	9.69	9.69	9.59	9.79	0.00
Dinoseb	10.85	10.85	10.75	10.95	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/19/2025 **Initial Calibration Date(s):** 05/12/2025 05/12/2025

Continuing Calib Time: 16:37 **Initial Calibration Time(s):** 12:30 14:06

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.64	7.64	7.54	7.74	0.00
2,4-DCAA	7.45	7.45	7.35	7.55	0.00
DICHLORPROP	8.33	8.33	8.23	8.43	0.00
2,4-D	8.64	8.64	8.54	8.74	0.00
2,4,5-TP(Silvex)	9.52	9.52	9.42	9.62	0.00
2,4,5-T	9.92	9.93	9.83	10.03	0.01
2,4-DB	10.48	10.49	10.39	10.59	0.01
Dinoseb	10.85	10.86	10.76	10.96	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/12/2025 05/12/2025

Client Sample No.: CCAL04 **Date Analyzed:** 05/19/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030276.D **Time Analyzed:** 16:37

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.130	9.033	9.233	740.040	712.500	3.9
2,4,5-TP(Silvex)	8.849	8.750	8.950	734.250	712.500	3.1
2,4-D	8.008	7.910	8.110	722.650	705.000	2.5
2,4-DB	9.688	9.589	9.789	792.670	712.500	11.3
2,4-DCAA	6.932	6.834	7.034	761.130	750.000	1.5
DICAMBA	7.108	7.010	7.210	724.110	705.000	2.7
DICHLORPROP	7.788	7.689	7.889	713.170	705.000	1.2
Dinoseb	10.849	10.751	10.951	718.030	705.000	1.8

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/12/2025 05/12/2025

Client Sample No.: CCAL04 **Date Analyzed:** 05/19/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030276.D **Time Analyzed:** 16:37

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.922	9.826	10.026	735.560	712.500	3.2
2,4,5-TP(Silvex)	9.518	9.423	9.623	740.370	712.500	3.9
2,4-D	8.641	8.544	8.744	720.730	705.000	2.2
2,4-DB	10.481	10.385	10.585	672.490	712.500	-5.6
2,4-DCAA	7.451	7.354	7.554	751.730	750.000	0.2
DICAMBA	7.636	7.539	7.739	729.140	705.000	3.4
DICHLORPROP	8.329	8.232	8.432	702.130	705.000	-0.4
Dinoseb	10.854	10.758	10.958	727.930	705.000	3.3

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/19/2025 **Initial Calibration Date(s):** 05/12/2025 05/12/2025

Continuing Calib Time: 21:26 **Initial Calibration Time(s):** 12:30 14:06

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.11	7.11	7.01	7.21	0.00
2,4-DCAA	6.93	6.93	6.83	7.03	0.00
DICHLORPROP	7.79	7.79	7.69	7.89	0.00
2,4-D	8.01	8.01	7.91	8.11	0.00
2,4,5-TP(Silvex)	8.85	8.85	8.75	8.95	0.00
2,4,5-T	9.13	9.13	9.03	9.23	0.00
2,4-DB	9.69	9.69	9.59	9.79	0.00
Dinoseb	10.85	10.85	10.75	10.95	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/19/2025 **Initial Calibration Date(s):** 05/12/2025 05/12/2025

Continuing Calib Time: 21:26 **Initial Calibration Time(s):** 12:30 14:06

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.64	7.64	7.54	7.74	0.00
2,4-DCAA	7.45	7.45	7.35	7.55	0.00
DICHLORPROP	8.33	8.33	8.23	8.43	0.00
2,4-D	8.64	8.64	8.54	8.74	0.00
2,4,5-TP(Silvex)	9.52	9.52	9.42	9.62	0.00
2,4,5-T	9.92	9.93	9.83	10.03	0.01
2,4-DB	10.48	10.49	10.39	10.59	0.01
Dinoseb	10.85	10.86	10.76	10.96	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/12/2025 05/12/2025

Client Sample No.: CCAL05 **Date Analyzed:** 05/19/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030288.D **Time Analyzed:** 21:26

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.128	9.033	9.233	720.910	712.500	1.2
2,4,5-TP(Silvex)	8.848	8.750	8.950	717.600	712.500	0.7
2,4-D	8.006	7.910	8.110	703.830	705.000	-0.2
2,4-DB	9.687	9.589	9.789	777.180	712.500	9.1
2,4-DCAA	6.931	6.834	7.034	740.950	750.000	-1.2
DICAMBA	7.107	7.010	7.210	704.020	705.000	-0.1
DICHLORPROP	7.787	7.689	7.889	700.140	705.000	-0.7
Dinoseb	10.847	10.751	10.951	705.330	705.000	0.0

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/12/2025 05/12/2025

Client Sample No.: CCAL05 **Date Analyzed:** 05/19/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030288.D **Time Analyzed:** 21:26

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.920	9.826	10.026	724.480	712.500	1.7
2,4,5-TP(Silvex)	9.517	9.423	9.623	729.750	712.500	2.4
2,4-D	8.639	8.544	8.744	708.970	705.000	0.6
2,4-DB	10.478	10.385	10.585	625.060	712.500	-12.3
2,4-DCAA	7.450	7.354	7.554	739.160	750.000	-1.4
DICAMBA	7.635	7.539	7.739	717.500	705.000	1.8
DICHLORPROP	8.327	8.232	8.432	710.680	705.000	0.8
Dinoseb	10.852	10.758	10.958	713.460	705.000	1.2

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q1982

Project: South River WM Replacement **Instrument ID:** ECD_S

GC Column: RTX-CLP **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/12/2025 05/12/2025

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	05/12/2025	12:06	PS030124.D	6.93	0.00
HSTDICC200	HSTDICC200	05/12/2025	12:30	PS030125.D	6.93	0.00
HSTDICC500	HSTDICC500	05/12/2025	12:54	PS030126.D	6.93	0.00
HSTDICC750	HSTDICC750	05/12/2025	13:18	PS030127.D	6.93	0.00
HSTDICC1000	HSTDICC1000	05/12/2025	13:42	PS030128.D	6.93	0.00
HSTDICC1500	HSTDICC1500	05/12/2025	14:06	PS030129.D	6.93	0.00
I.BLK	I.BLK	05/15/2025	09:26	PS030223.D	6.93	0.00
HSTDCCC750	HSTDCCC750	05/15/2025	10:18	PS030224.D	6.93	0.00
TP-1	Q1982-01	05/15/2025	11:39	PS030227.D	6.93	0.00
TP-2B	Q1982-02	05/15/2025	12:03	PS030228.D	6.93	0.00
TP-3	Q1982-03	05/15/2025	12:27	PS030229.D	6.93	0.00
TP-4	Q1982-04	05/15/2025	12:51	PS030230.D	6.93	0.00
TP-5	Q1982-05	05/15/2025	13:15	PS030231.D	6.93	0.00
TP-6	Q1982-06	05/15/2025	13:39	PS030232.D	6.93	0.00
TP-8	Q1982-07	05/15/2025	14:04	PS030233.D	6.93	0.00
TP-9	Q1982-08	05/15/2025	14:28	PS030234.D	6.93	0.00
I.BLK	I.BLK	05/15/2025	15:42	PS030235.D	6.93	0.00
HSTDCCC750	HSTDCCC750	05/15/2025	16:06	PS030236.D	6.93	0.00
TP-9MS	Q1982-08MS	05/15/2025	16:30	PS030237.D	6.93	0.00
TP-9MSD	Q1982-08MSD	05/15/2025	16:54	PS030238.D	6.93	0.00
I.BLK	I.BLK	05/15/2025	20:31	PS030247.D	6.93	0.00
HSTDCCC750	HSTDCCC750	05/15/2025	20:55	PS030248.D	6.93	0.00
I.BLK	I.BLK	05/19/2025	16:12	PS030275.D	6.93	0.00
HSTDCCC750	HSTDCCC750	05/19/2025	16:37	PS030276.D	6.93	0.00
PB167996BL	PB167996BL	05/19/2025	17:49	PS030279.D	6.93	0.00
PB167996BS	PB167996BS	05/19/2025	18:13	PS030280.D	6.93	0.00
I.BLK	I.BLK	05/19/2025	21:02	PS030287.D	6.93	0.00
HSTDCCC750	HSTDCCC750	05/19/2025	21:26	PS030288.D	6.93	0.00

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q1982

Project: South River WM Replacement **Instrument ID:** ECD_S

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/12/2025 05/12/2025

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	05/12/2025	12:06	PS030124.D	7.45	0.00
HSTDICC200	HSTDICC200	05/12/2025	12:30	PS030125.D	7.45	0.00
HSTDICC500	HSTDICC500	05/12/2025	12:54	PS030126.D	7.45	0.00
HSTDICC750	HSTDICC750	05/12/2025	13:18	PS030127.D	7.45	0.00
HSTDICC1000	HSTDICC1000	05/12/2025	13:42	PS030128.D	7.45	0.00
HSTDICC1500	HSTDICC1500	05/12/2025	14:06	PS030129.D	7.45	0.00
I.BLK	I.BLK	05/15/2025	09:26	PS030223.D	7.45	0.00
HSTDCCC750	HSTDCCC750	05/15/2025	10:18	PS030224.D	7.45	0.00
TP-1	Q1982-01	05/15/2025	11:39	PS030227.D	7.45	0.00
TP-2B	Q1982-02	05/15/2025	12:03	PS030228.D	7.45	0.00
TP-3	Q1982-03	05/15/2025	12:27	PS030229.D	7.45	0.00
TP-4	Q1982-04	05/15/2025	12:51	PS030230.D	7.45	0.00
TP-5	Q1982-05	05/15/2025	13:15	PS030231.D	7.45	0.00
TP-6	Q1982-06	05/15/2025	13:39	PS030232.D	7.45	0.00
TP-8	Q1982-07	05/15/2025	14:04	PS030233.D	7.45	0.00
TP-9	Q1982-08	05/15/2025	14:28	PS030234.D	7.45	0.00
I.BLK	I.BLK	05/15/2025	15:42	PS030235.D	7.45	0.00
HSTDCCC750	HSTDCCC750	05/15/2025	16:06	PS030236.D	7.45	0.00
TP-9MS	Q1982-08MS	05/15/2025	16:30	PS030237.D	7.45	0.00
TP-9MSD	Q1982-08MSD	05/15/2025	16:54	PS030238.D	7.45	0.00
I.BLK	I.BLK	05/15/2025	20:31	PS030247.D	7.45	0.00
HSTDCCC750	HSTDCCC750	05/15/2025	20:55	PS030248.D	7.45	0.00
I.BLK	I.BLK	05/19/2025	16:12	PS030275.D	7.45	0.00
HSTDCCC750	HSTDCCC750	05/19/2025	16:37	PS030276.D	7.45	0.00
PB167996BL	PB167996BL	05/19/2025	17:49	PS030279.D	7.45	0.00
PB167996BS	PB167996BS	05/19/2025	18:13	PS030280.D	7.45	0.00
I.BLK	I.BLK	05/19/2025	21:02	PS030287.D	7.45	0.00
HSTDCCC750	HSTDCCC750	05/19/2025	21:26	PS030288.D	7.45	0.00

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167996BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: PB167996BS **Date(s) Analyzed:** 05/19/2025 05/19/2025

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4,5-T	1	9.13	9.08	9.18	178	2.3
	2	9.92	9.87	9.97	174	
2,4,5-TP(Silvex)	1	8.85	8.80	8.90	177	1.1
	2	9.52	9.47	9.57	175	
2,4-D	1	8.01	7.96	8.06	174	1.2
	2	8.64	8.59	8.69	172	
2,4-DB	1	9.69	9.64	9.74	188	21.2
	2	10.48	10.43	10.53	152	
DICHLORPROP	1	7.79	7.74	7.84	172	2.9
	2	8.33	8.28	8.38	167	
Dinoseb	1	10.85	10.80	10.90	175	2.3
	2	10.85	10.80	10.90	171	
DICAMBA	1	7.11	7.06	7.16	173	2.3
	2	7.64	7.59	7.69	169	

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-9MS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: Q1982-08MS **Date(s) Analyzed:** 05/15/2025 05/15/2025

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	7.79	7.74	7.84	170	1.7
	2	8.33	8.28	8.38	173	
2,4-D	1	8.01	7.96	8.06	181	1.7
	2	8.64	8.59	8.69	178	
2,4,5-TP(Silvex)	1	8.85	8.80	8.90	161	4.3
	2	9.52	9.47	9.57	168	
2,4,5-T	1	9.13	9.08	9.18	154	5.7
	2	9.92	9.87	9.97	163	
2,4-DB	1	9.69	9.64	9.74	128	21
	2	10.48	10.43	10.53	158	
Dinoseb	1	10.85	10.80	10.90	14.3	7.4
	2	10.84	10.79	10.89	15.4	
DICAMBA	1	7.11	7.06	7.16	152	0.7
	2	7.64	7.59	7.69	153	

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-9MSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: Q1982-08MSD **Date(s) Analyzed:** 05/15/2025 05/15/2025

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	7.79	7.74	7.84	198	1.5
	2	8.33	8.28	8.38	195	
2,4-D	1	8.01	7.96	8.06	207	1.5
	2	8.64	8.59	8.69	204	
2,4,5-TP(Silvex)	1	8.85	8.80	8.90	182	7.4
	2	9.52	9.47	9.57	196	
2,4,5-T	1	9.13	9.08	9.18	175	7.7
	2	9.92	9.87	9.97	189	
2,4-DB	1	9.69	9.64	9.74	145	25.3
	2	10.48	10.43	10.53	187	
DICAMBA	1	7.11	7.06	7.16	174	3.4
	2	7.64	7.59	7.69	180	

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030227.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 11:39
Operator : AR\AJ
Sample : Q1982-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-1

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:21:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	6.933	7.449	1059.9E6	289.3E6	372.186	361.514m
	Target Compounds						

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

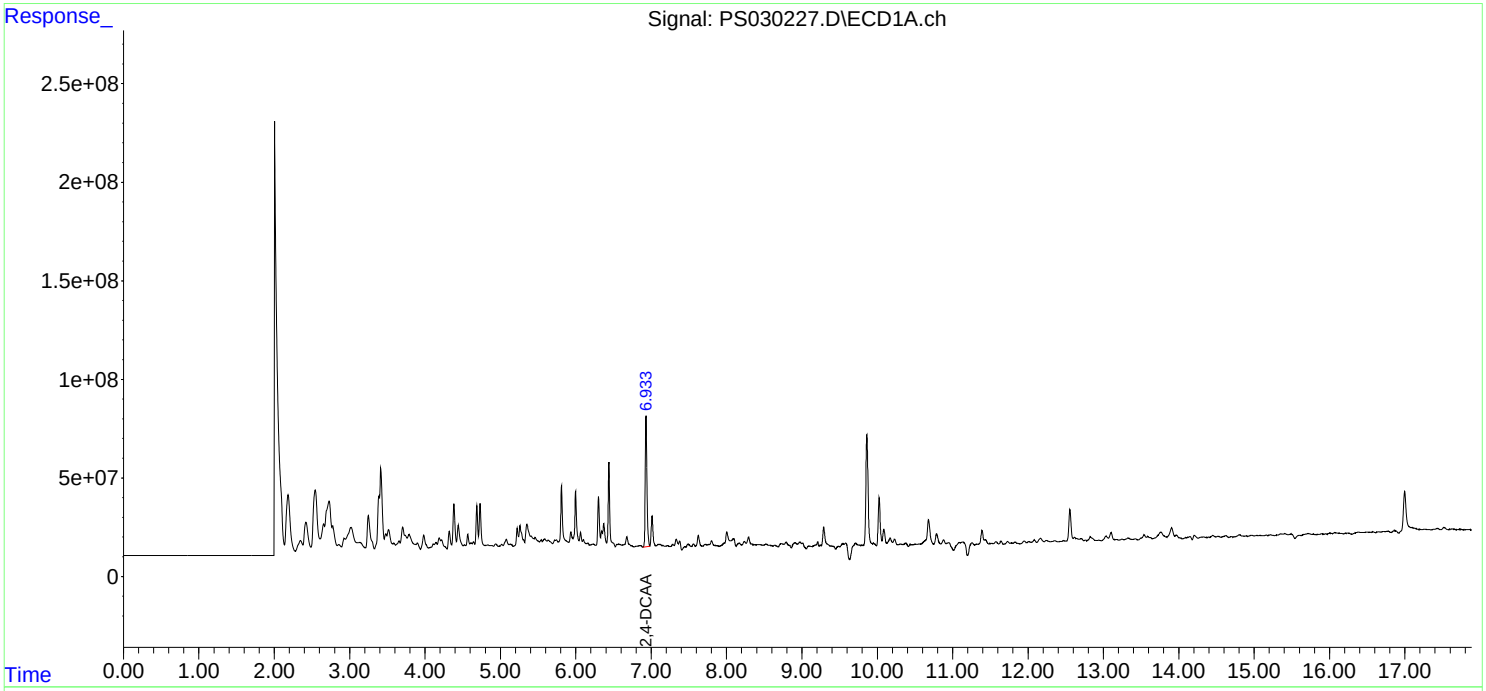
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030227.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 11:39
Operator : AR\AJ
Sample : Q1982-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

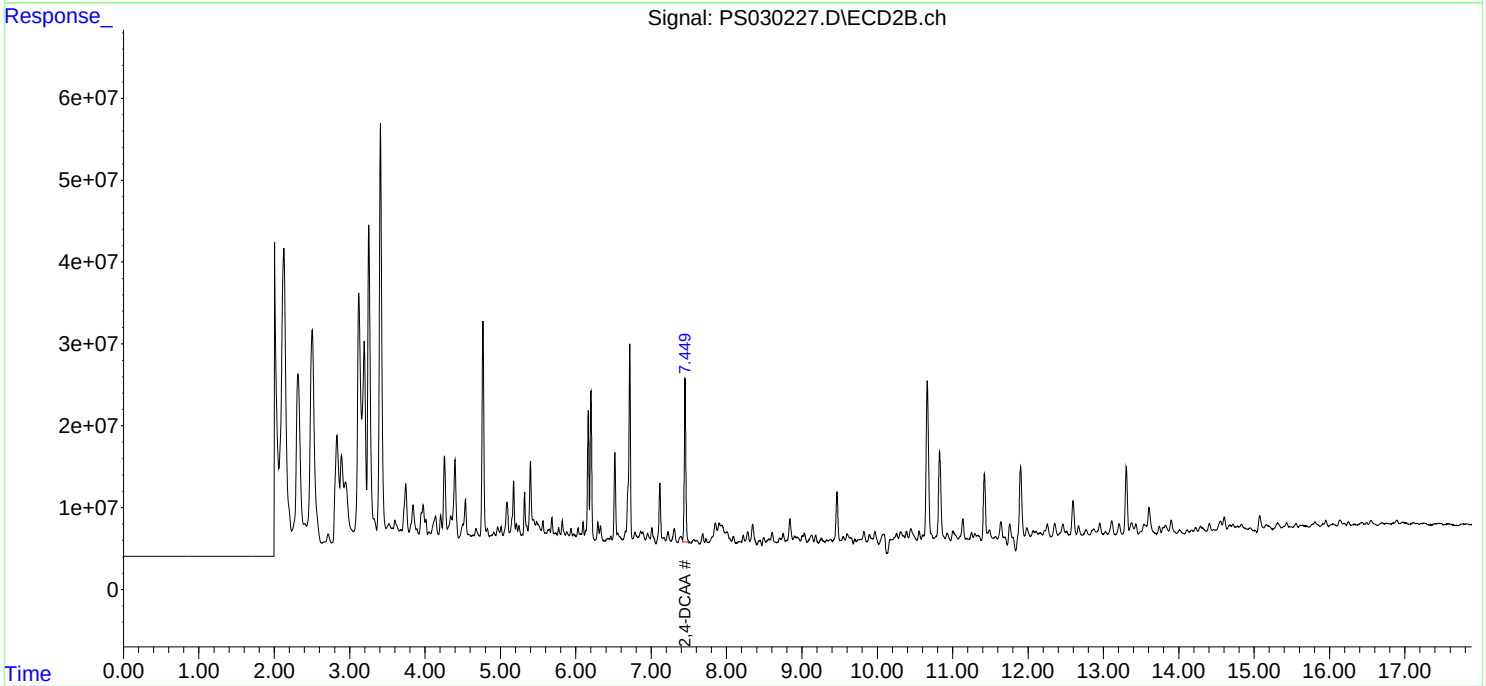
Instrument :
ECD_S
ClientSampleId :
TP-1

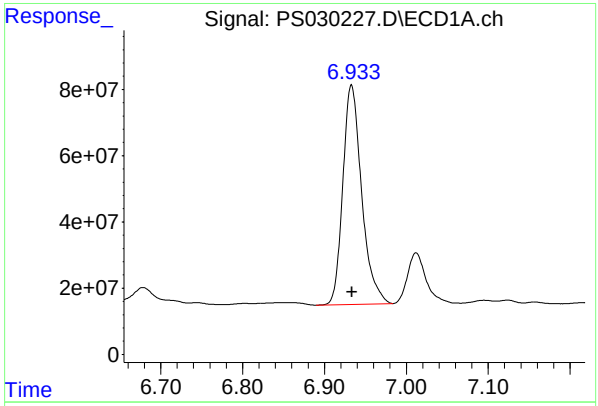
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:21:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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







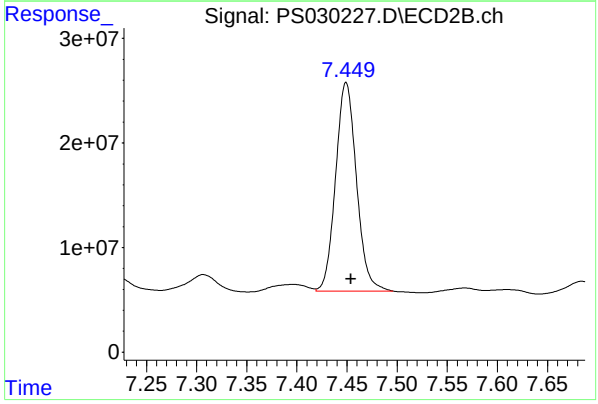
#4 2,4-DCAA

R.T.: 6.933 min
Delta R.T.: 0.000 mi
Response: 1059914109
Conc: 372.19 ng/m

Instrument :
ECD_S
ClientSampleId :
TP-1

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



#4 2,4-DCAA

R.T.: 7.449 min
Delta R.T.: -0.005 min
Response: 289284697
Conc: 361.51 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030228.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 12:03
Operator : AR\AJ
Sample : Q1982-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-2B

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:21:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	6.932	7.451	1073.2E6	283.4E6	376.856	354.130m
	Target Compounds						

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

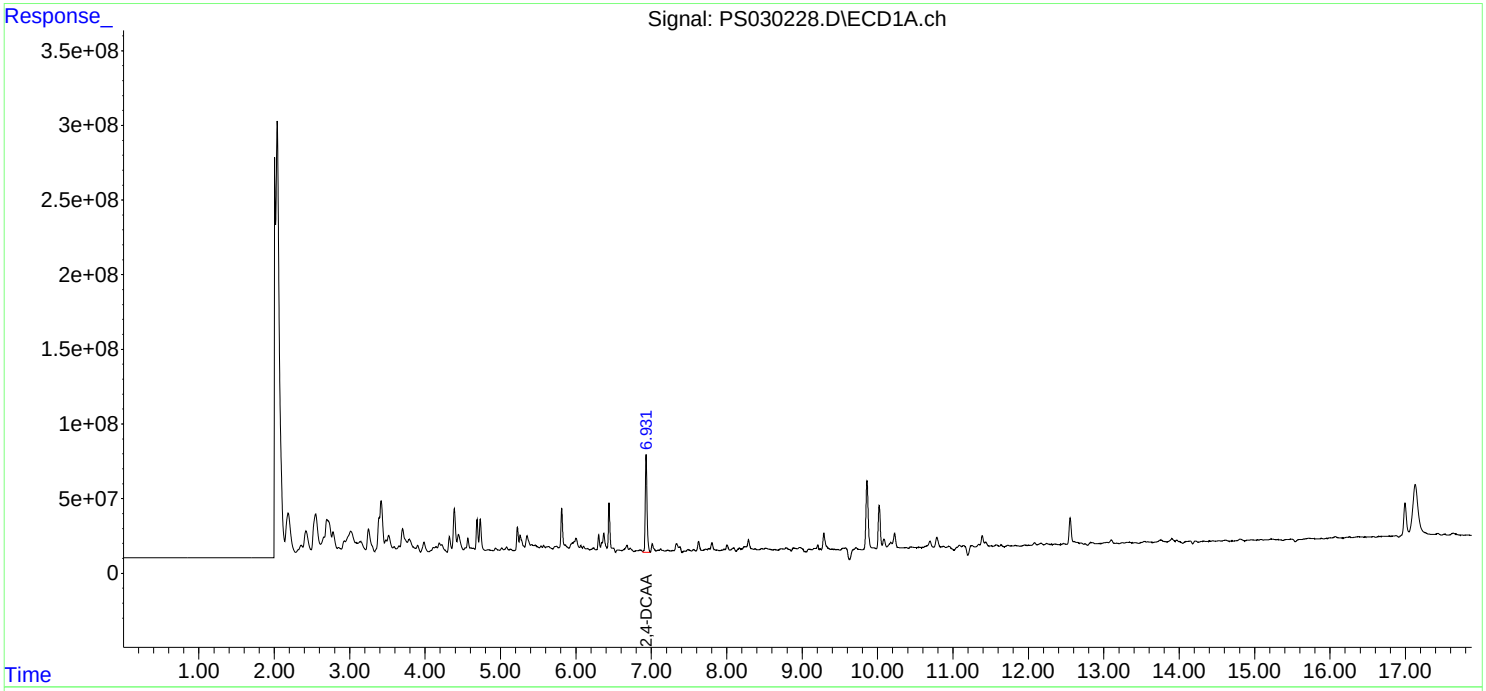
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030228.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 12:03
Operator : AR\AJ
Sample : Q1982-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

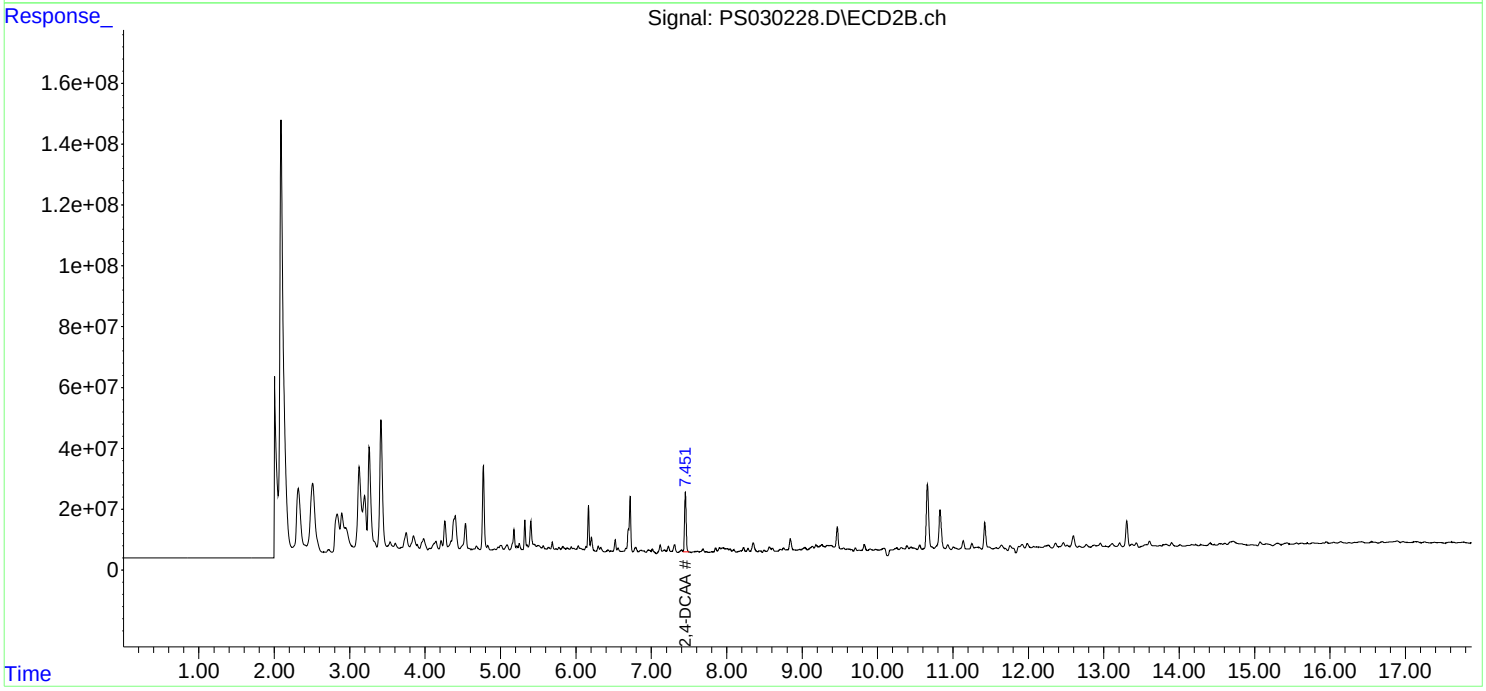
Instrument :
ECD_S
ClientSampleId :
TP-2B

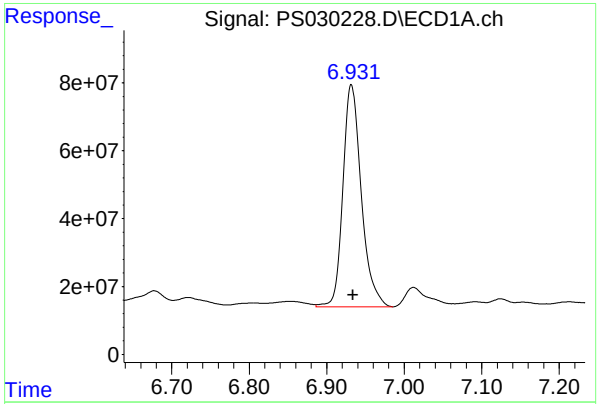
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:21:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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







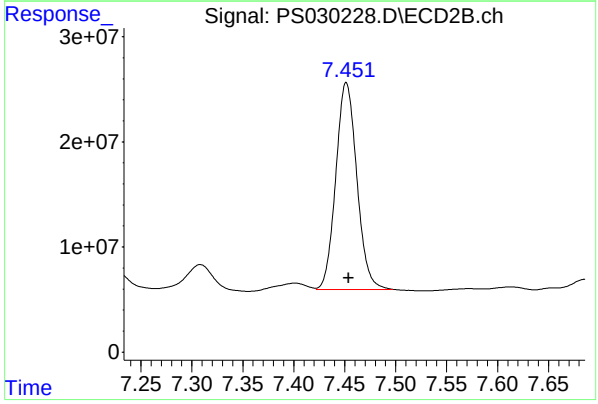
#4 2,4-DCAA

R.T.: 6.932 min
Delta R.T.: -0.002 min
Response: 1073213849
Conc: 376.86 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-2B

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



#4 2,4-DCAA

R.T.: 7.451 min
Delta R.T.: -0.003 min
Response: 283376038
Conc: 354.13 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030229.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 12:27
Operator : AR\AJ
Sample : Q1982-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-3

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:22:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	6.932	7.451	913.9E6	244.0E6	320.897	304.897m
	Target Compounds						

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

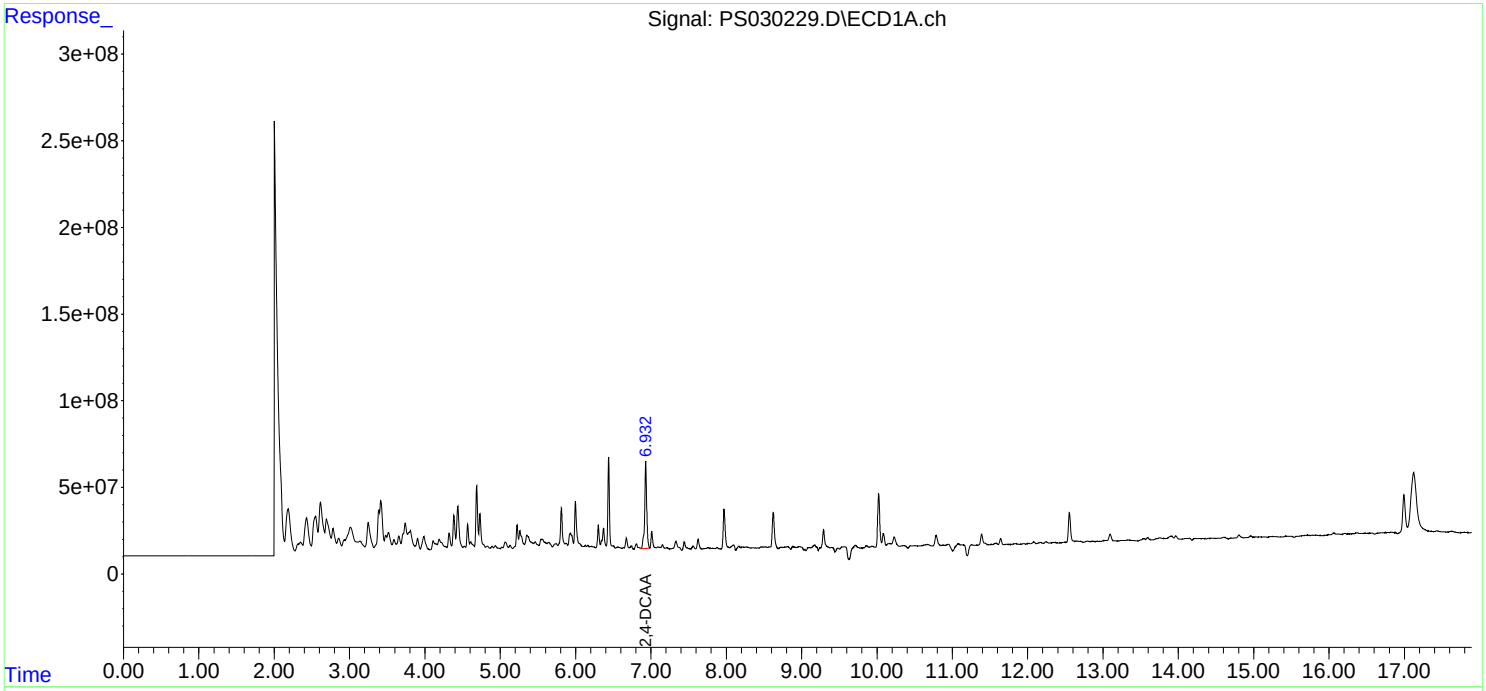
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030229.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 12:27
Operator : AR\AJ
Sample : Q1982-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

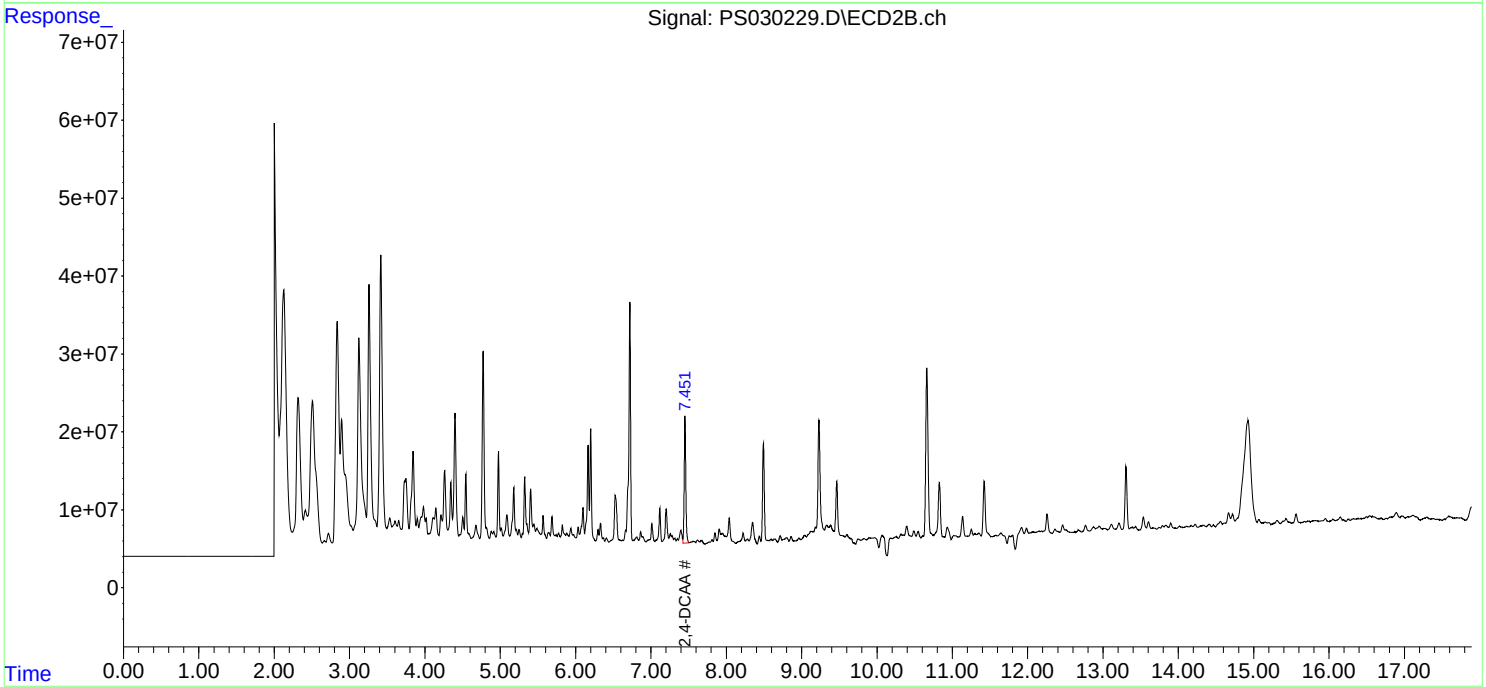
Instrument :
ECD_S
ClientSampleId :
TP-3

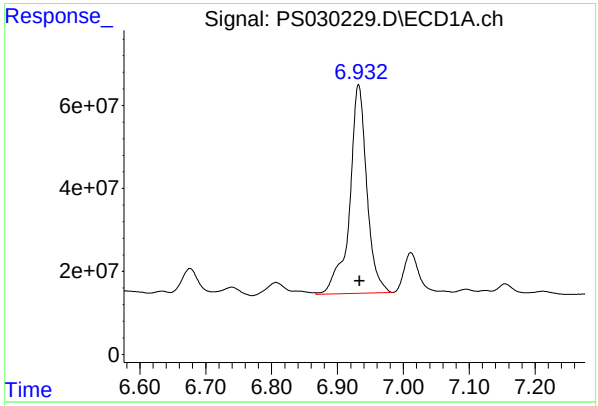
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:22:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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







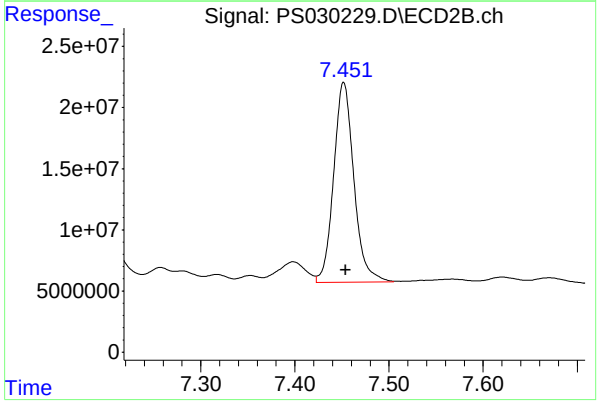
#4 2,4-DCAA

R.T.: 6.932 min
Delta R.T.: -0.001 min
Response: 913853641
Conc: 320.90 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-3

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



#4 2,4-DCAA

R.T.: 7.451 min
Delta R.T.: -0.003 min
Response: 243979585
Conc: 304.90 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030230.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 12:51
Operator : AR\AJ
Sample : Q1982-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-4

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:22:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	6.932	7.452	853.7E6	230.3E6	299.789	287.779
	Target Compounds						

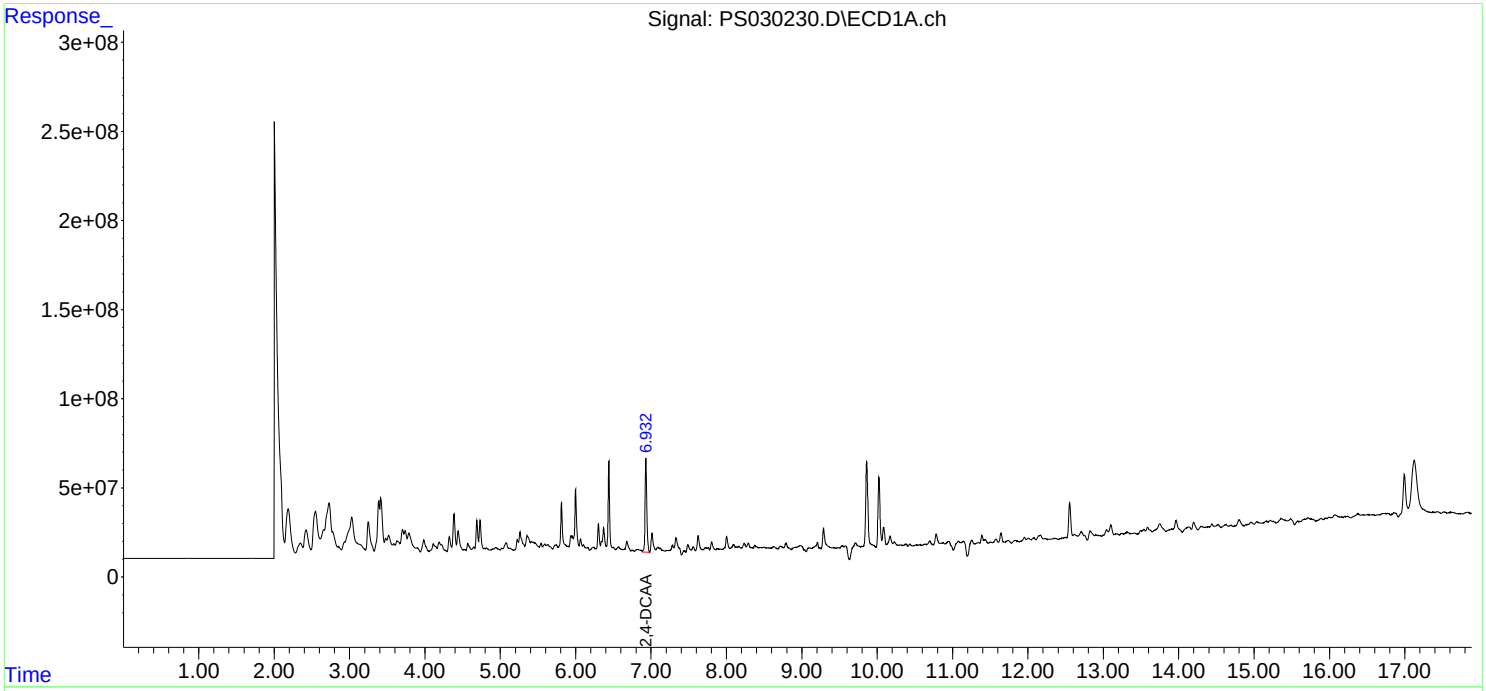
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

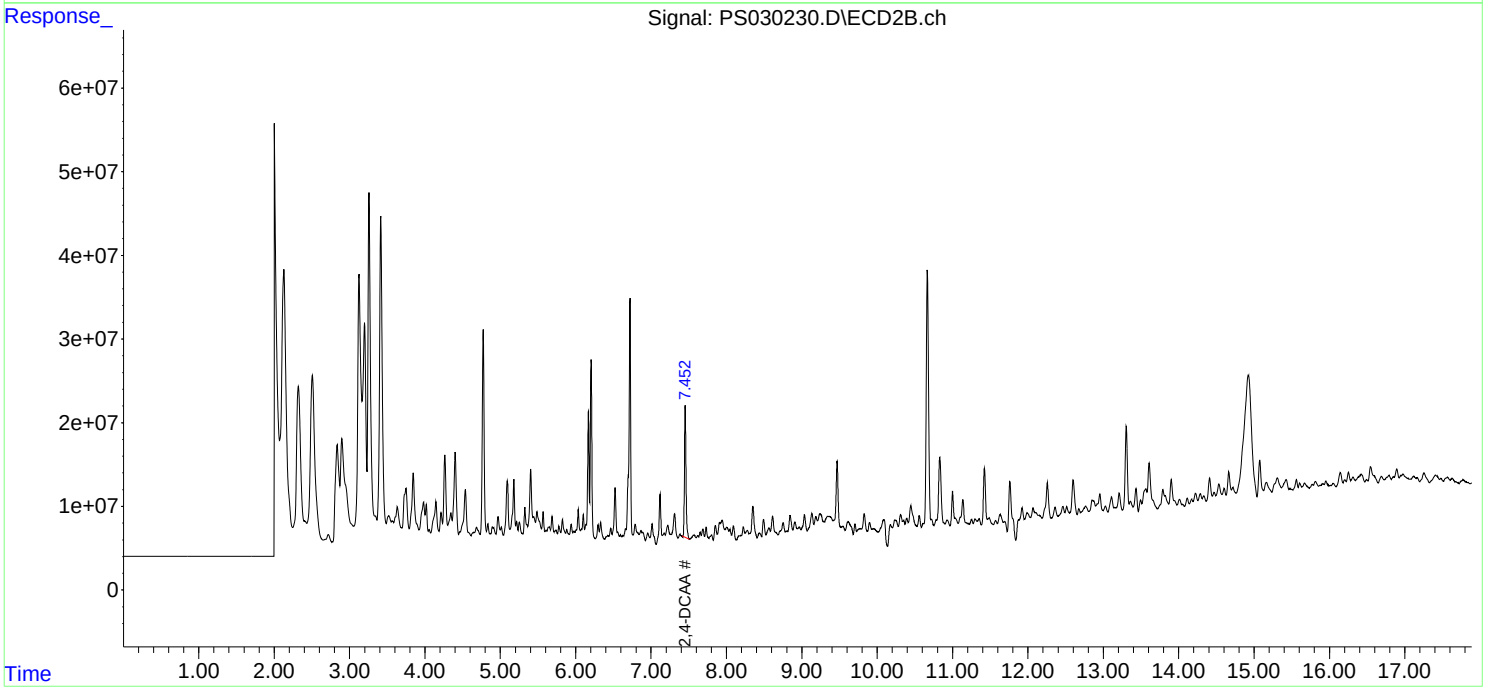
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030230.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 12:51
Operator : AR\AJ
Sample : Q1982-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

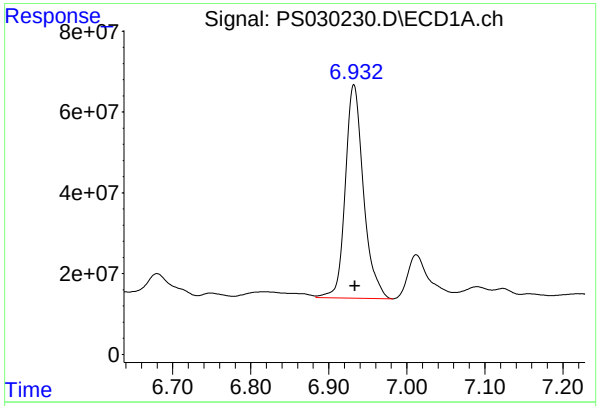
Instrument :
ECD_S
ClientSampleId :
TP-4

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:22:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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



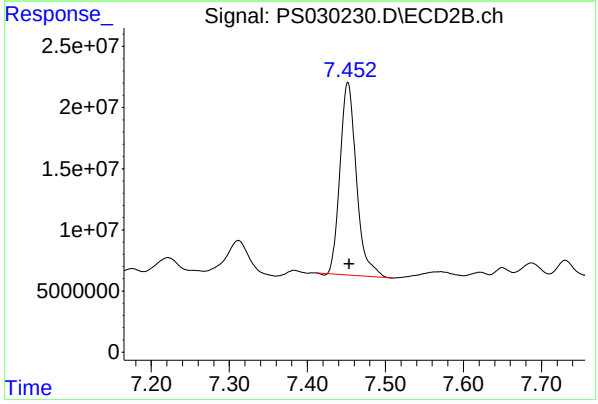




#4 2,4-DCAA

R.T.: 6.932 min
Delta R.T.: -0.001 min
Response: 853741564
Conc: 299.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-4



#4 2,4-DCAA

R.T.: 7.452 min
Delta R.T.: -0.002 min
Response: 230281482
Conc: 287.78 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030231.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 13:15
Operator : AR\AJ
Sample : Q1982-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-5

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:23:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	6.932	7.452	911.7E6	249.4E6	320.150	311.659
	Target Compounds						

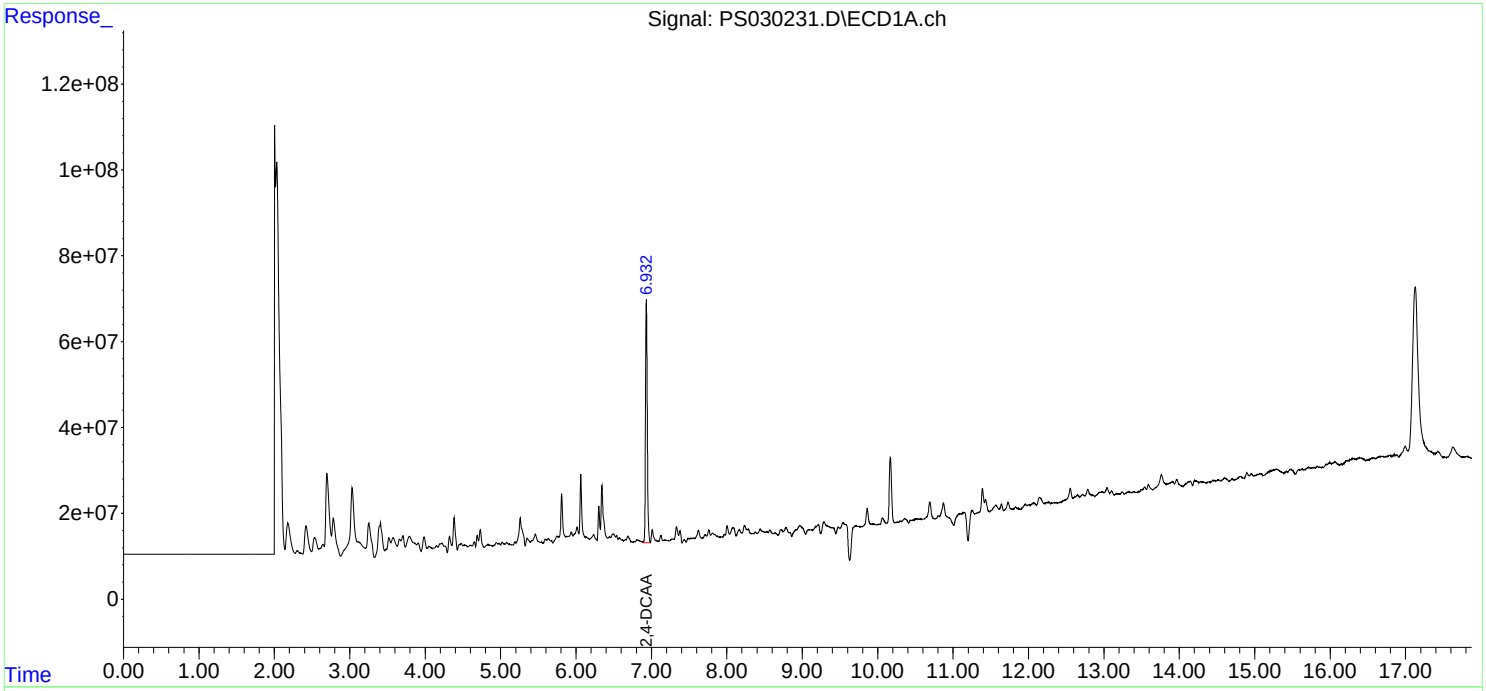
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

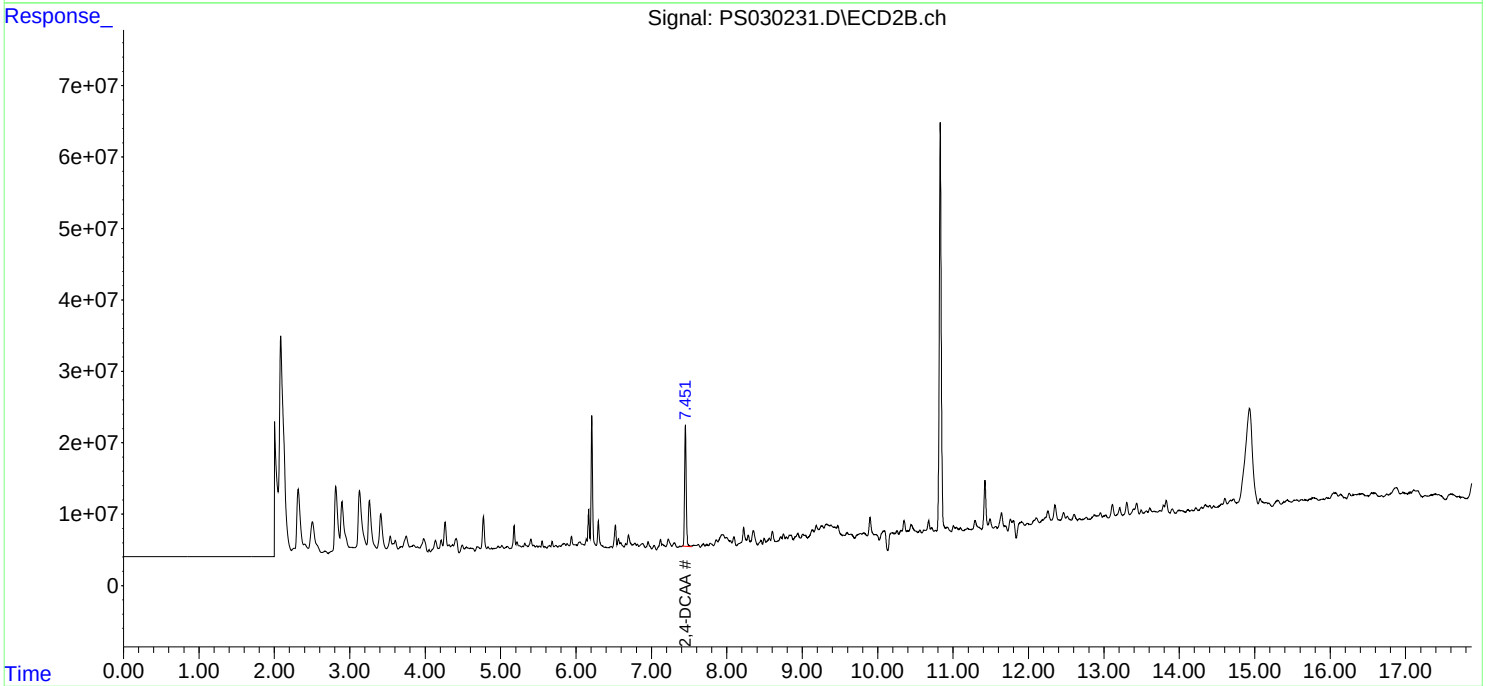
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030231.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 13:15
Operator : AR\AJ
Sample : Q1982-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

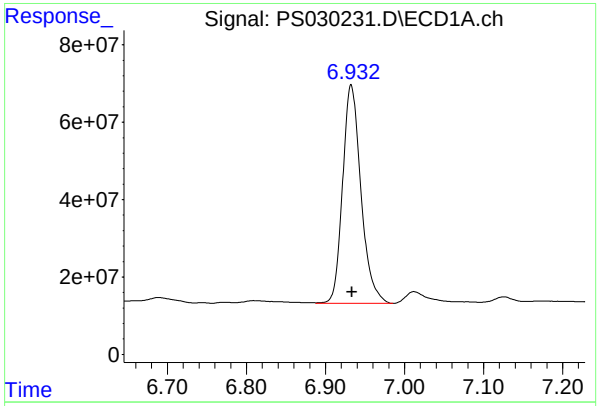
Instrument :
ECD_S
ClientSampleId :
TP-5

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:23:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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



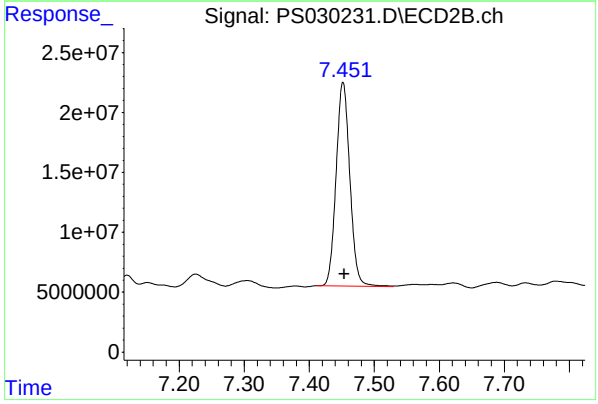




#4 2,4-DCAA

R.T.: 6.932 min
Delta R.T.: -0.001 min
Response: 911725788
Conc: 320.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-5



#4 2,4-DCAA

R.T.: 7.452 min
Delta R.T.: -0.002 min
Response: 249390340
Conc: 311.66 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030232.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 13:39
Operator : AR\AJ
Sample : Q1982-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-6

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:23:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	6.932	7.451	1013.8E6	259.6E6	355.982	324.361m
	Target Compounds						

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

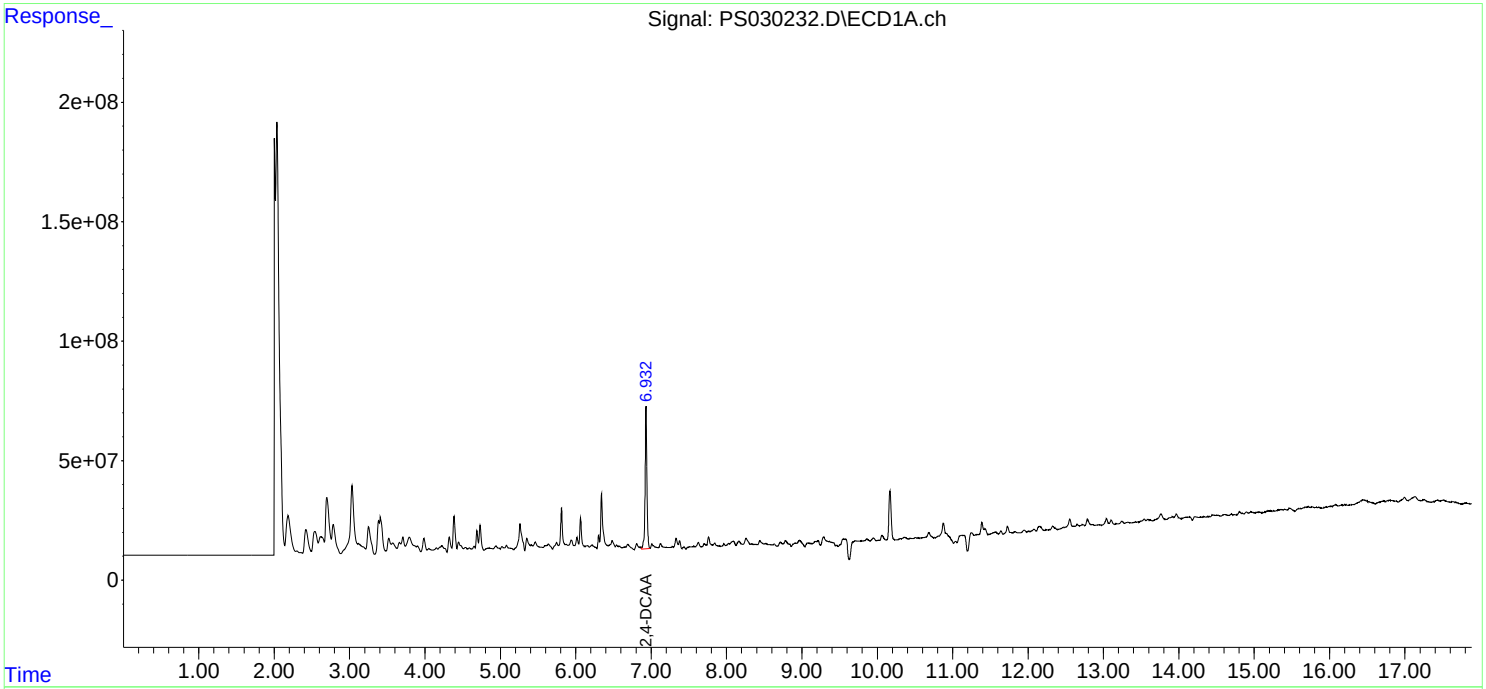
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030232.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 13:39
Operator : AR\AJ
Sample : Q1982-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

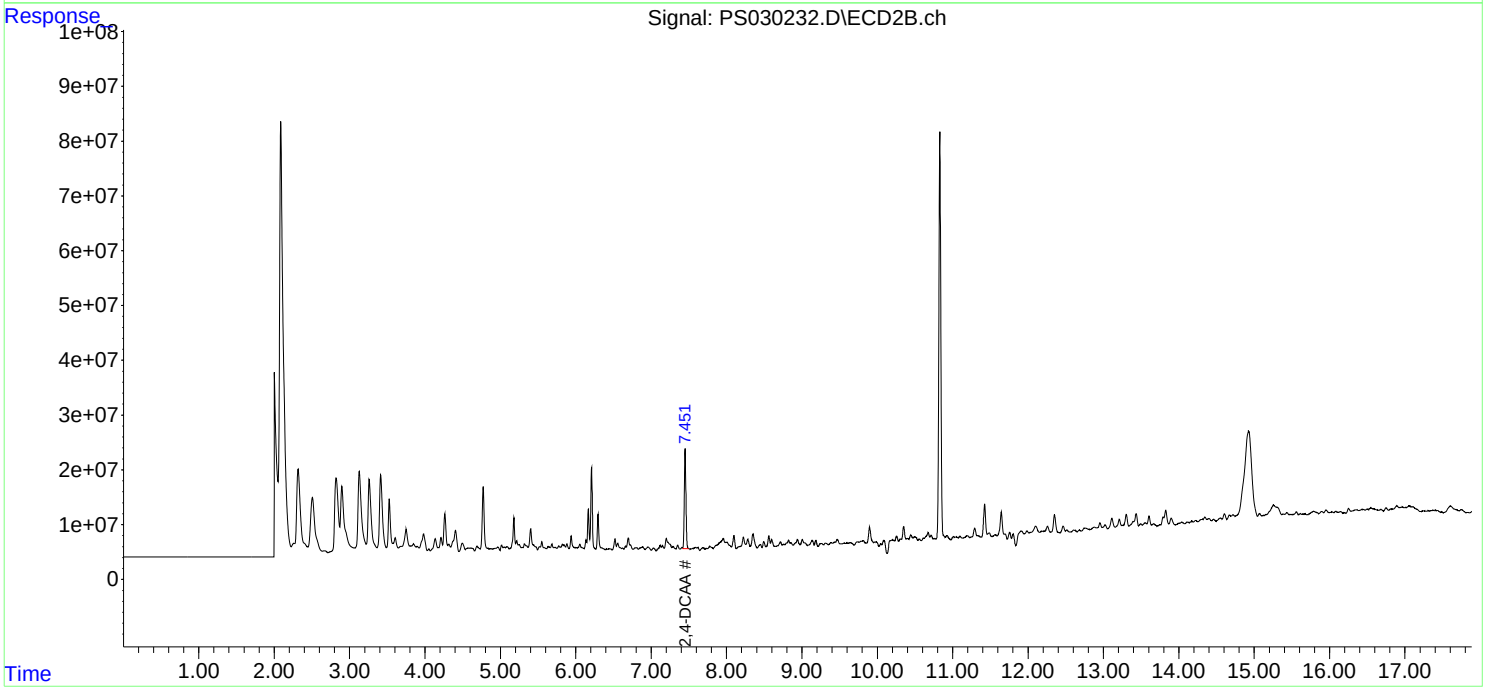
Instrument :
ECD_S
ClientSampleId :
TP-6

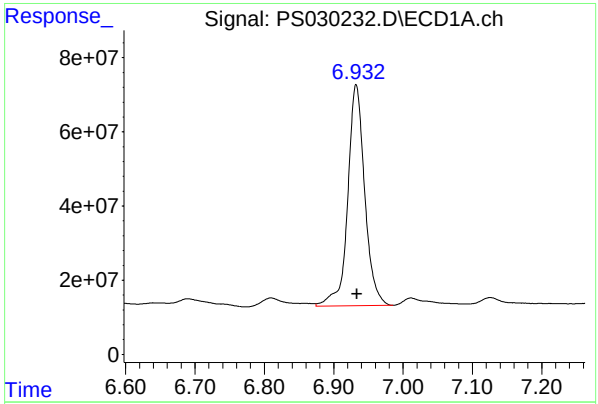
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:23:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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







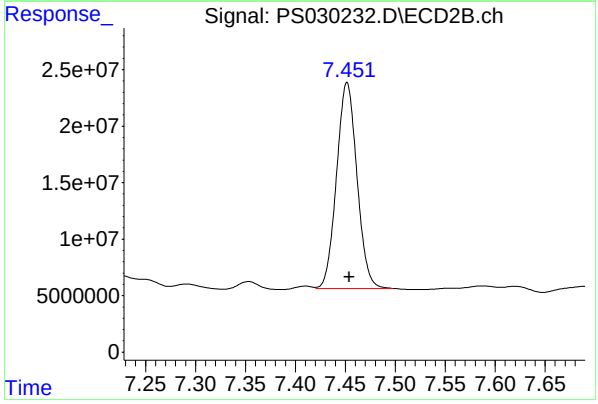
#4 2,4-DCAA

R.T.: 6.932 min
Delta R.T.: -0.001 min
Response: 1013767476
Conc: 355.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-6

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



#4 2,4-DCAA

R.T.: 7.451 min
Delta R.T.: -0.003 min
Response: 259554645
Conc: 324.36 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030233.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 14:04
Operator : AR\AJ
Sample : Q1982-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-8

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:24:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	6.933	7.452	854.9E6	241.5E6	300.208	301.808
	Target Compounds						

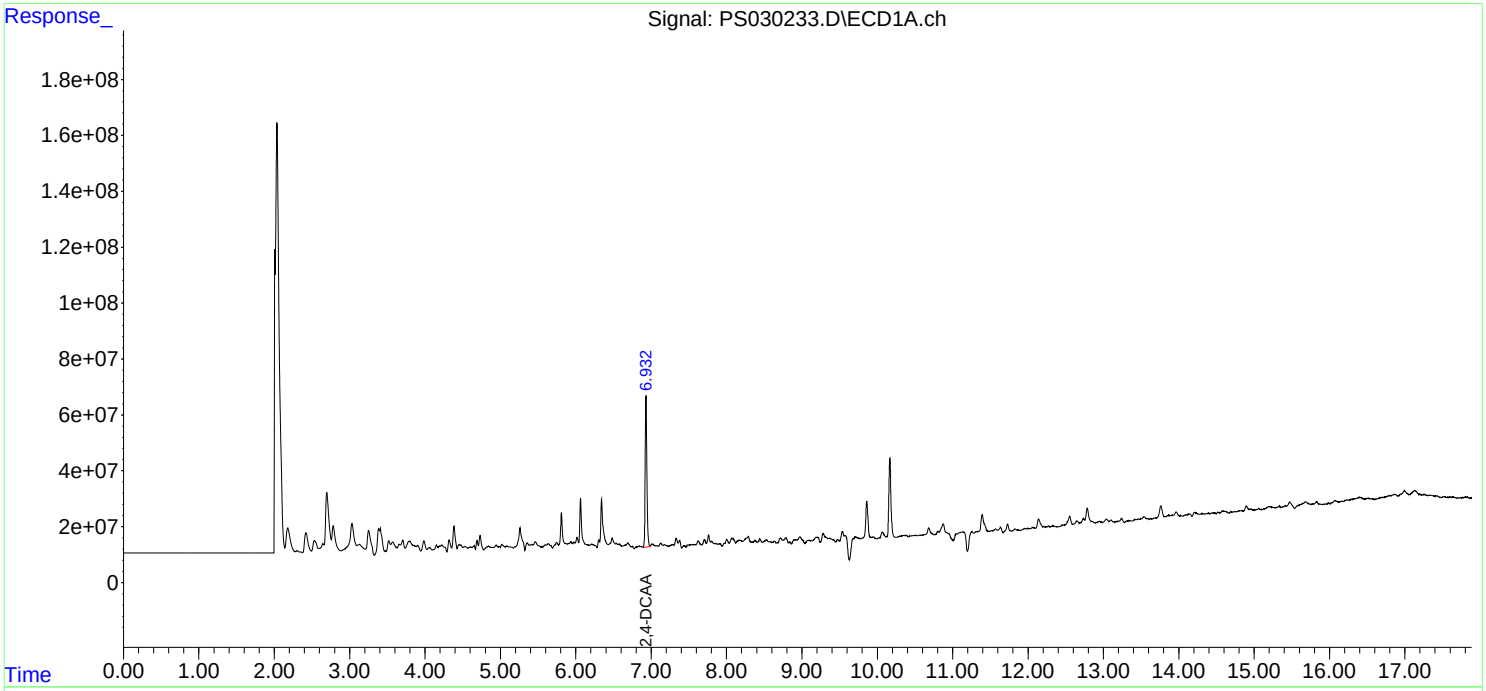
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

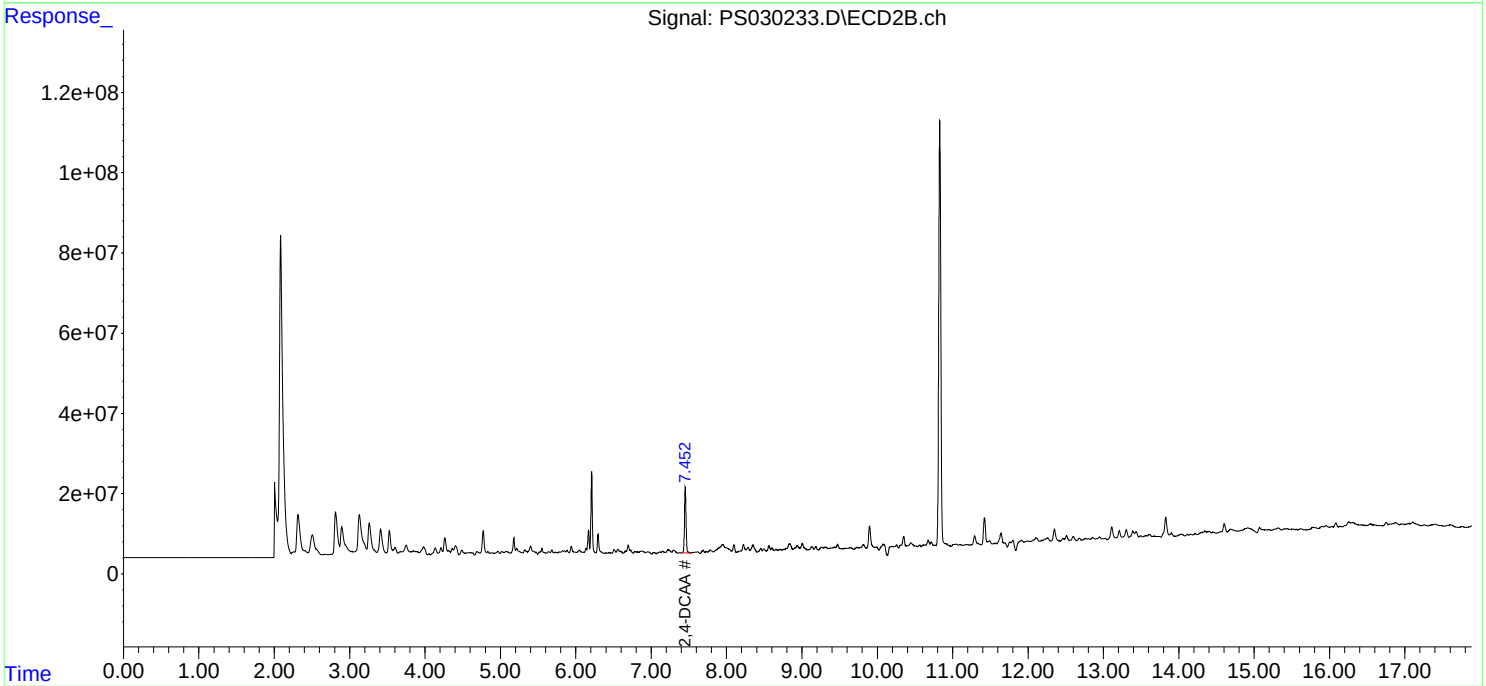
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030233.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 14:04
Operator : AR\AJ
Sample : Q1982-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

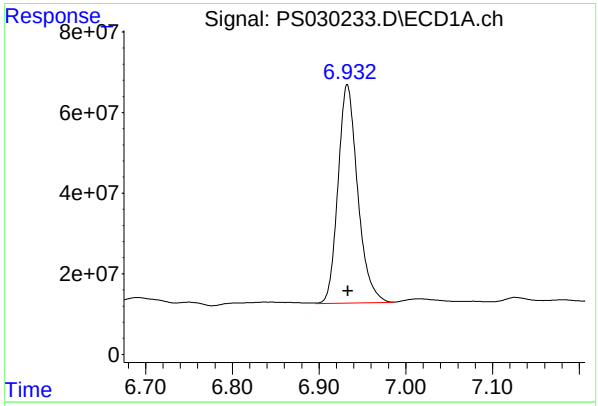
Instrument :
ECD_S
ClientSampleId :
TP-8

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:24:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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



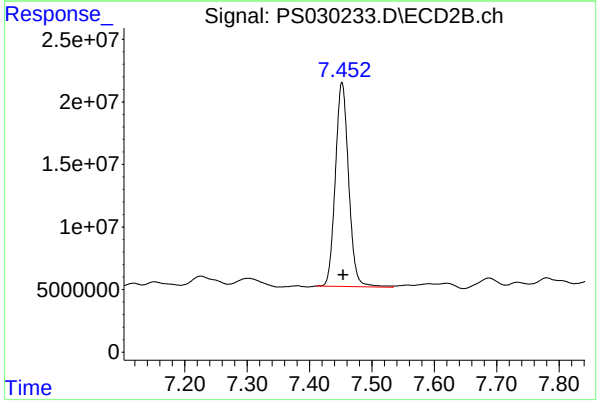




#4 2,4-DCAA

R.T.: 6.933 min
Delta R.T.: 0.000 min
Response: 854933576
Conc: 300.21 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-8



#4 2,4-DCAA

R.T.: 7.452 min
Delta R.T.: -0.002 min
Response: 241507836
Conc: 301.81 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030234.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 14:28
Operator : AR\AJ
Sample : Q1982-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-9

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:24:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	6.933	7.451	1098.8E6	295.0E6	385.839	368.605m
	Target Compounds						

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

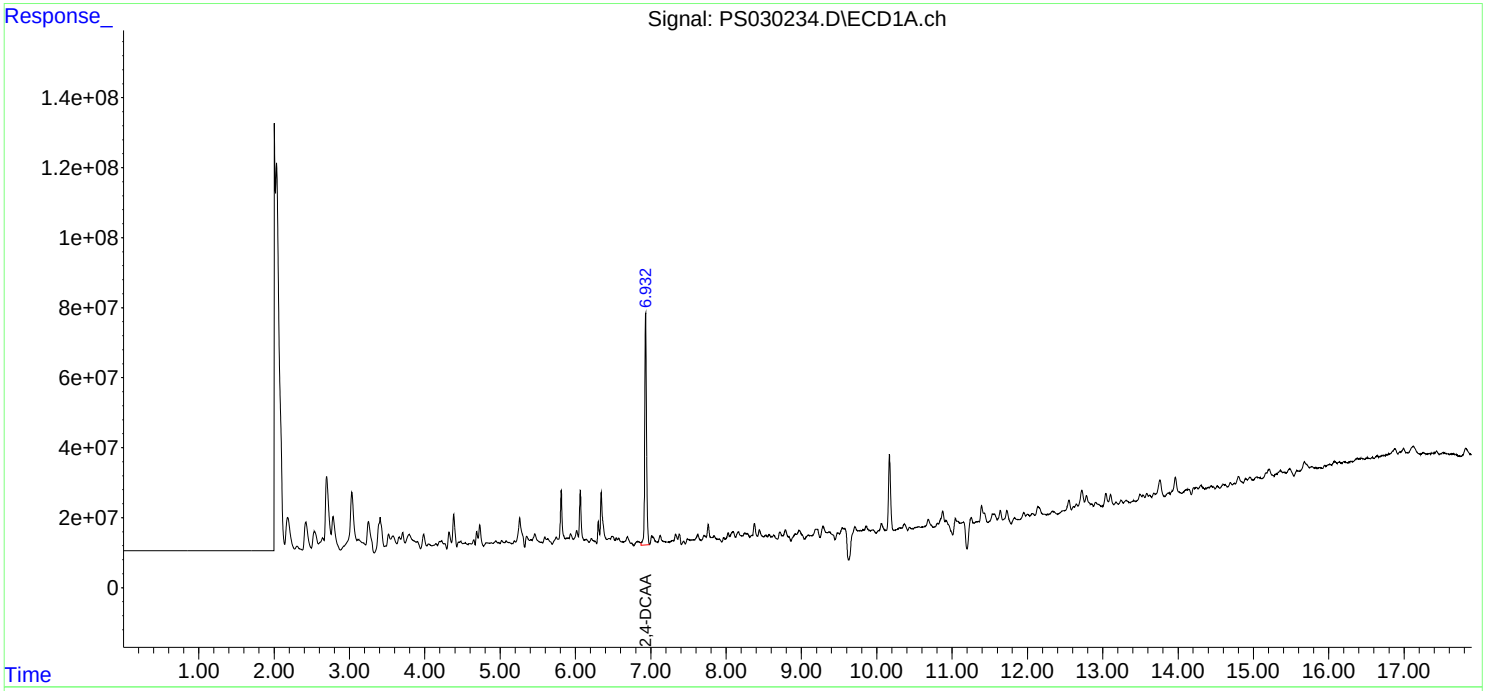
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030234.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 14:28
Operator : AR\AJ
Sample : Q1982-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

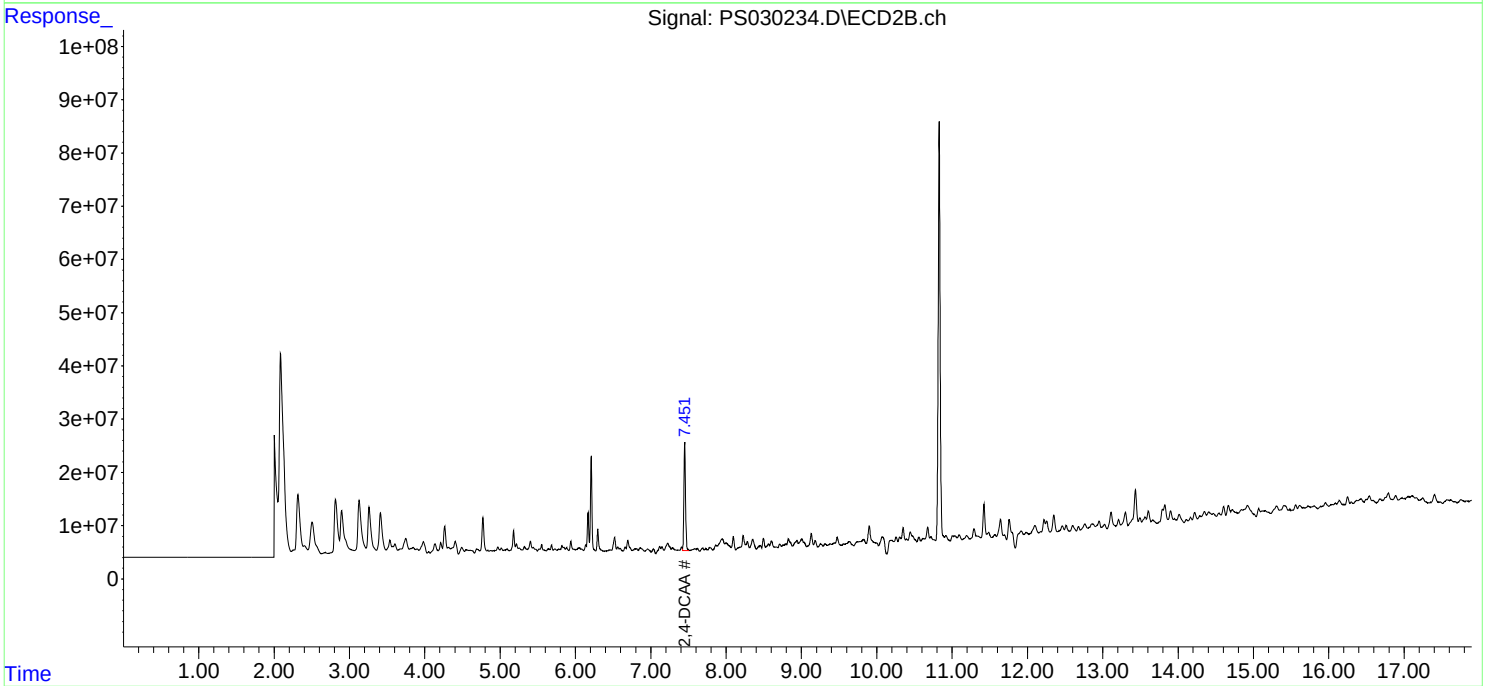
Instrument :
ECD_S
ClientSampleId :
TP-9

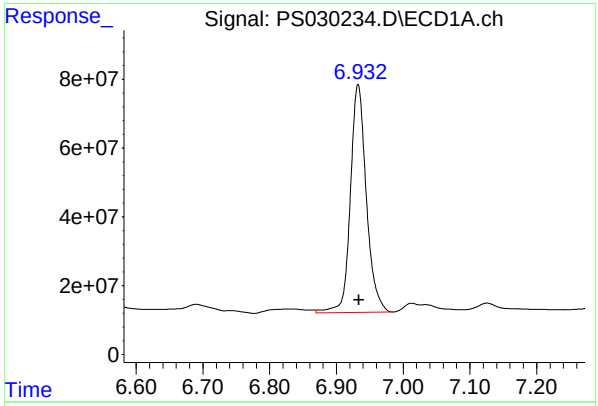
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:24:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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







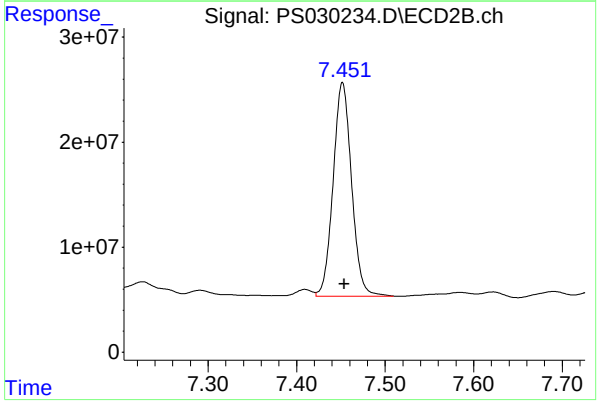
#4 2,4-DCAA

R.T.: 6.933 min
Delta R.T.: -0.001 mi
Response: 1098796663
Conc: 385.84 ng/m

Instrument :
ECD_S
ClientSampleId :
TP-9

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



#4 2,4-DCAA

R.T.: 7.451 min
Delta R.T.: -0.002 min
Response: 294959241
Conc: 368.61 ng/ml m

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
Data File : PS030279.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:49
Operator : AR\AJ
Sample : PB167996BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB167996BL

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 05:42:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	6.932	7.450	1348.1E6	360.2E6	473.371	450.084m
	Target Compounds						

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

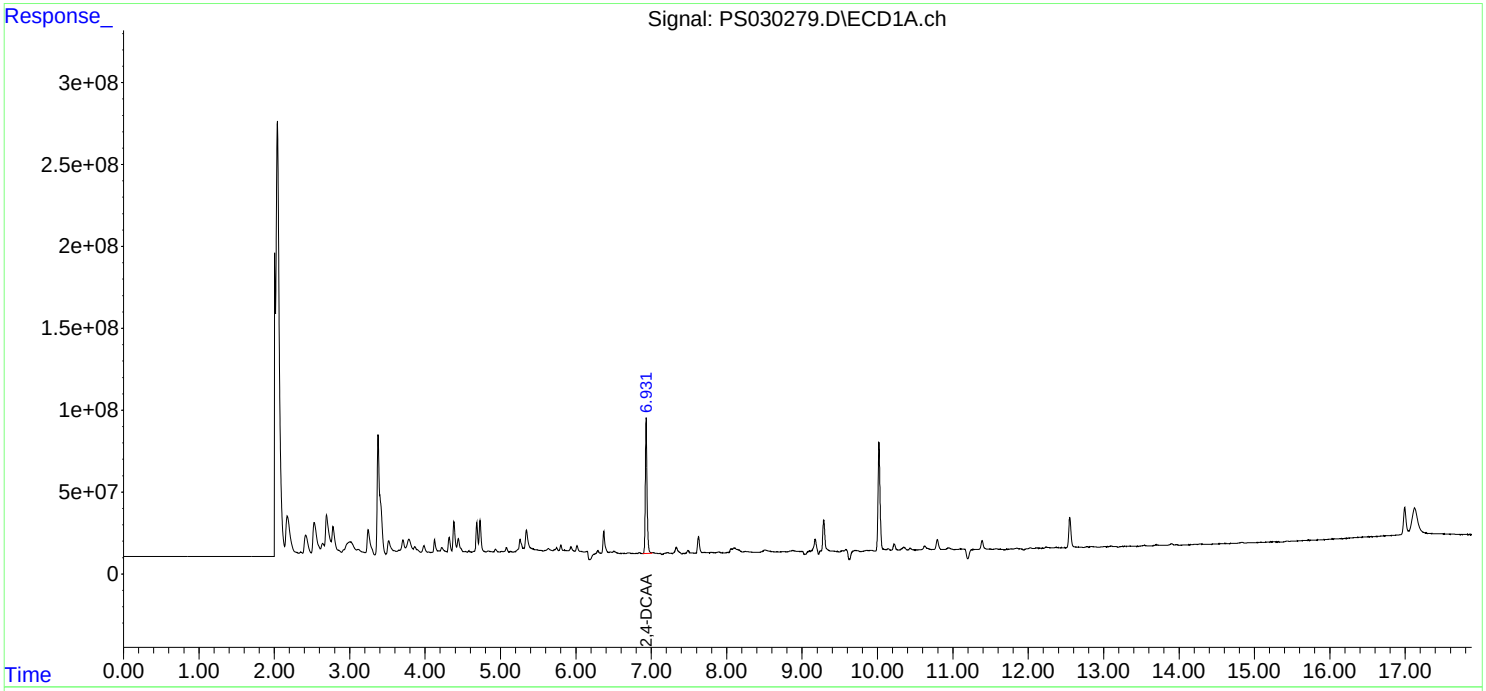
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
Data File : PS030279.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:49
Operator : AR\AJ
Sample : PB167996BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

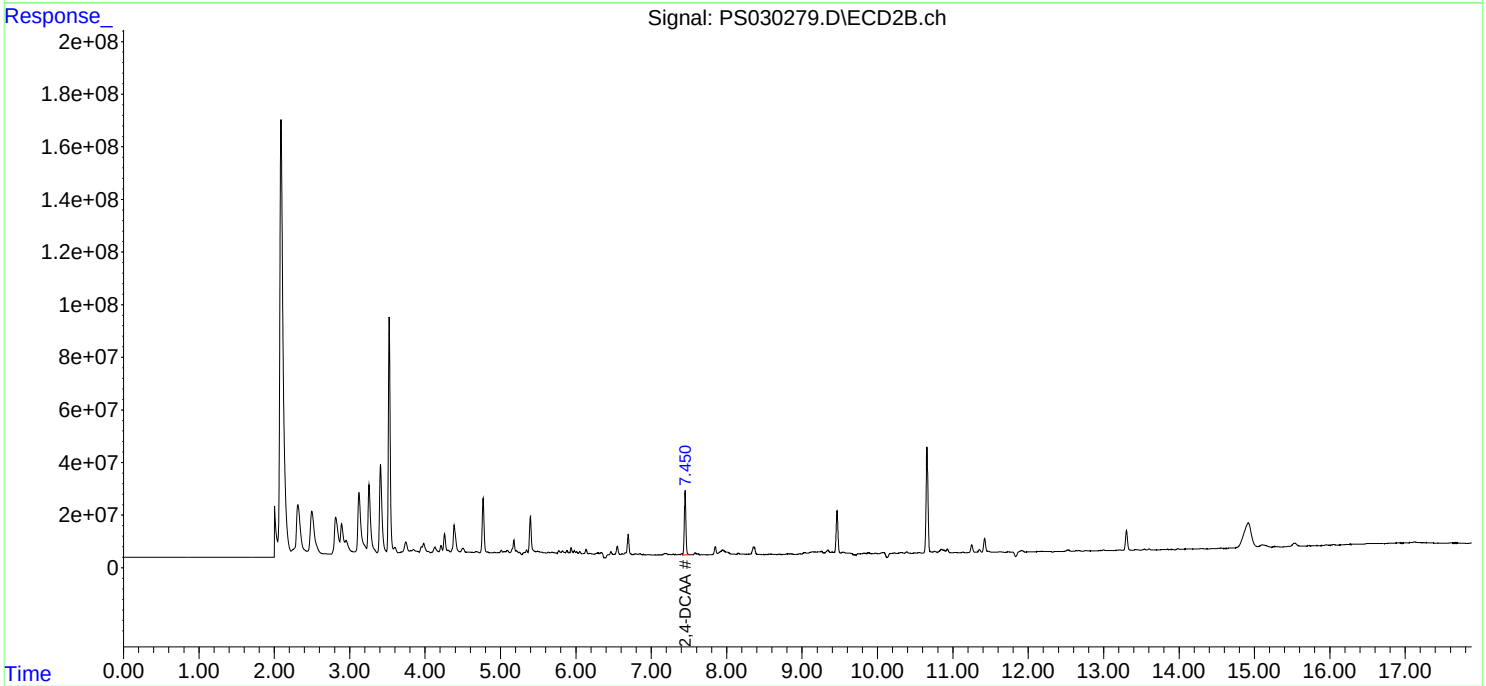
Instrument :
ECD_S
ClientSampleId :
PB167996BL

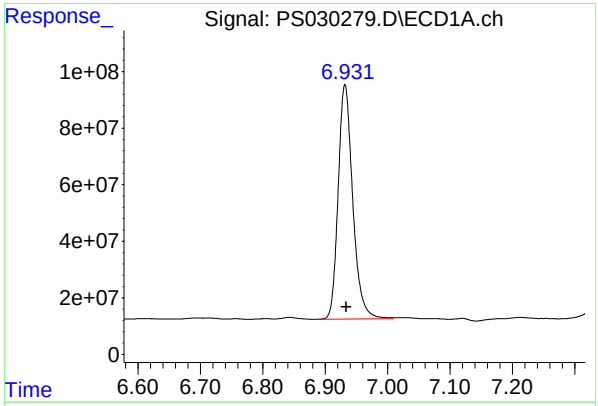
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 05:42:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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







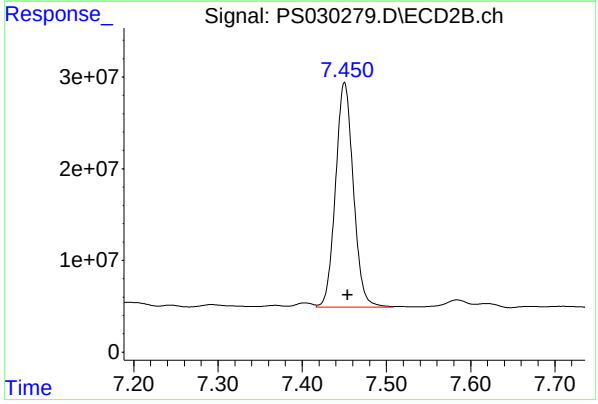
#4 2,4-DCAA

R.T.: 6.932 min
Delta R.T.: -0.002 mi
Response: 1348070503
Conc: 473.37 ng/m

Instrument :
ECD_S
ClientSampleId :
PB167996BL

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



#4 2,4-DCAA

R.T.: 7.450 min
Delta R.T.: -0.004 min
Response: 360159126
Conc: 450.08 ng/ml m

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
Data File : PS030280.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 18:13
Operator : AR\AJ
Sample : PB167996BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB167996BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 05:42:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	6.932	7.450	1576.6E6	431.7E6	553.633	539.470
		Target Compounds						
1)	T	Dalapon	2.445	2.519	2484.1E6	993.0E6	505.384	488.932
2)	T	3,5-DICHL...	6.137	6.451	2135.8E6	554.9E6	512.115	475.998
3)	T	4-Nitroph...	6.723	6.986	1043.6E6	456.1E6	505.228	436.849
5)	T	DICAMBA	7.108	7.636	6004.5E6	2404.1E6	519.542	508.483
6)	T	MCPP	7.286	7.743	382.3E6	90072432	52.500	48.959
7)	T	MCPA	7.429	7.972	514.5E6	130.2E6	49.558	49.349
8)	T	DICHLORPROP	7.788	8.328	1509.5E6	592.8E6	516.725	501.772
9)	T	2,4-D	8.008	8.640	1713.9E6	665.8E6	522.706	515.935
10)	T	Pentachlo...	8.285	9.140	21866.4E6	13204.8E6	539.902	534.935
11)	T	2,4,5-TP ...	8.849	9.519	8605.9E6	5170.4E6	531.358	524.888
12)	T	2,4,5-T	9.130	9.922	8831.4E6	4796.2E6	534.747	521.117
13)	T	2,4-DB	9.688	10.480	1472.5E6	452.1E6	564.207	455.529
14)	T	DINOSEB	10.849	10.853	5993.5E6	3504.8E6	524.073	512.993
15)	T	Picloram	10.669	11.888	11372.7E6	7204.4E6	531.760	511.927m
16)	T	DCPA	11.150	11.888	10673.0E6	7246.9E6	536.021	536.390m

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

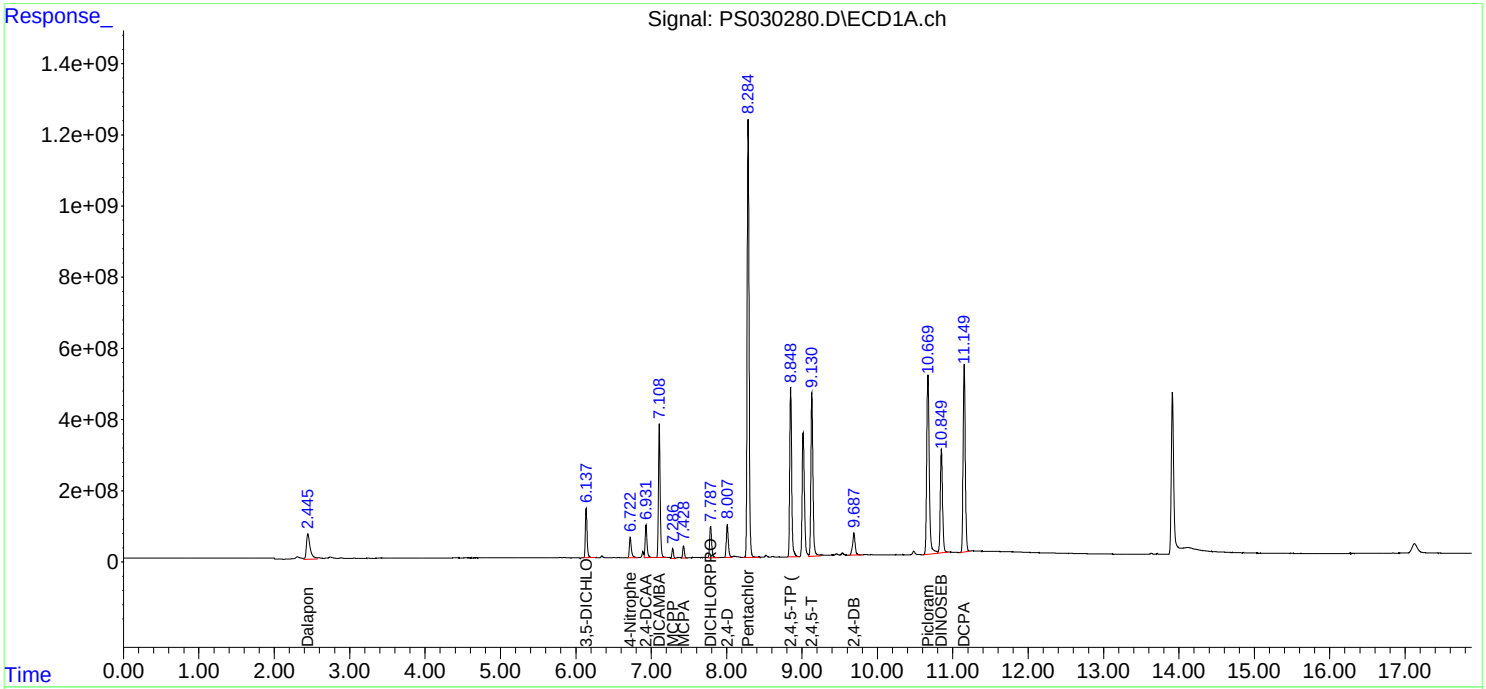
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
Data File : PS030280.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 18:13
Operator : AR\AJ
Sample : PB167996BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

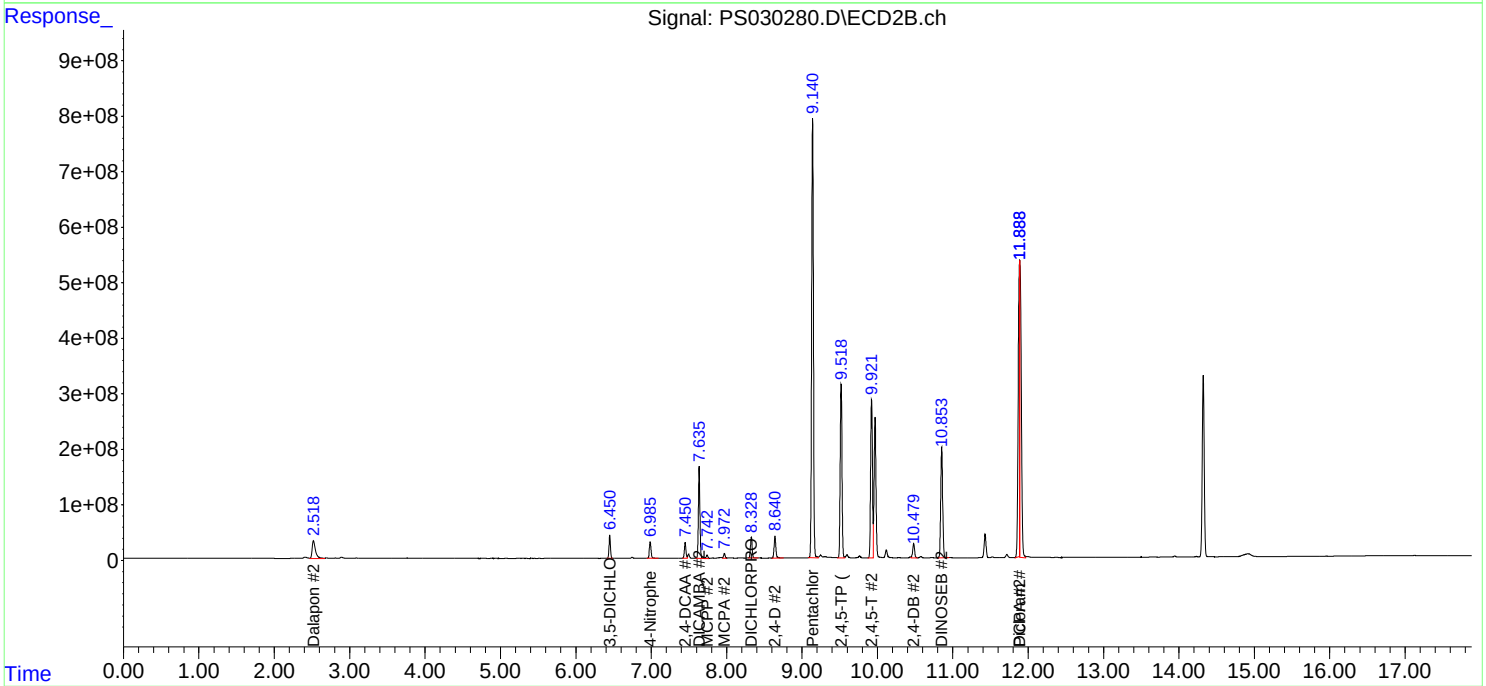
Instrument :
ECD_S
ClientSampleId :
PB167996BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 05:42:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 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\PS051525\
Data File : PS030237.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 16:30
Operator : AR\AJ
Sample : Q1982-08MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-9MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:25:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	6.932	7.451	1402.8E6	366.5E6	492.584m	458.011
	Target Compounds						
1) T	Dalapon	2.444	2.517	1677.7E6	1346.5E6	341.311	662.937 #
2) T	3,5-DICHL...	6.138	6.451	1687.8E6	415.6E6	404.702	356.461m
3) T	4-Nitroph...	6.724	6.986	334.7E6	151.8E6	162.041	145.405
5) T	DICAMBA	7.109	7.636	4288.7E6	1768.9E6	371.075	374.136
6) T	MCPP	7.286	7.742	335.5E6	67494367	46.066	36.686
7) T	MCPA	7.429	7.971	355.8E6	118.6E6	34.277	44.969 #
8) T	DICHLORPROP	7.789	8.329	1209.4E6	498.6E6	413.996	422.071
9) T	2,4-D	8.009	8.641	1445.9E6	561.9E6	440.961	435.421
10) T	Pentachlo...	8.286	9.141	15688.3E6	9453.0E6	387.357	382.944
11) T	2,4,5-TP ...	8.849	9.519	6349.5E6	4048.7E6	392.043	411.013
12) T	2,4,5-T	9.131	9.923	6187.4E6	3658.7E6	374.647	397.527
13) T	2,4-DB	9.690	10.481	815.6E6	383.2E6	312.509m	386.154
14) T	DINOSEB	10.849	10.842	398.2E6	257.5E6	34.815	37.695m
15) T	Picloram	10.670	11.888	6804.8E6	4881.8E6	318.174	346.889m
16) T	DCPA	11.151	11.885	7605.0E6	4737.4E6	381.941	350.646m

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

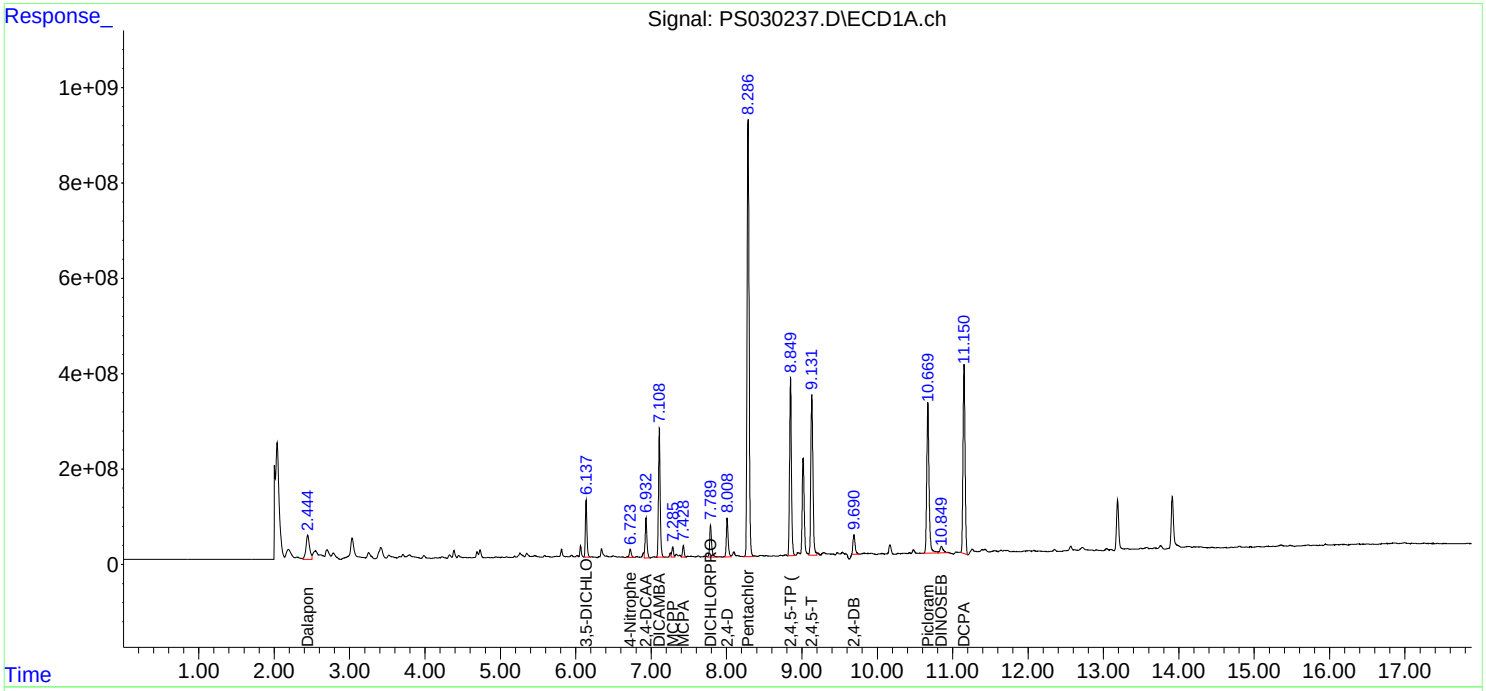
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030237.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 16:30
Operator : AR\AJ
Sample : Q1982-08MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

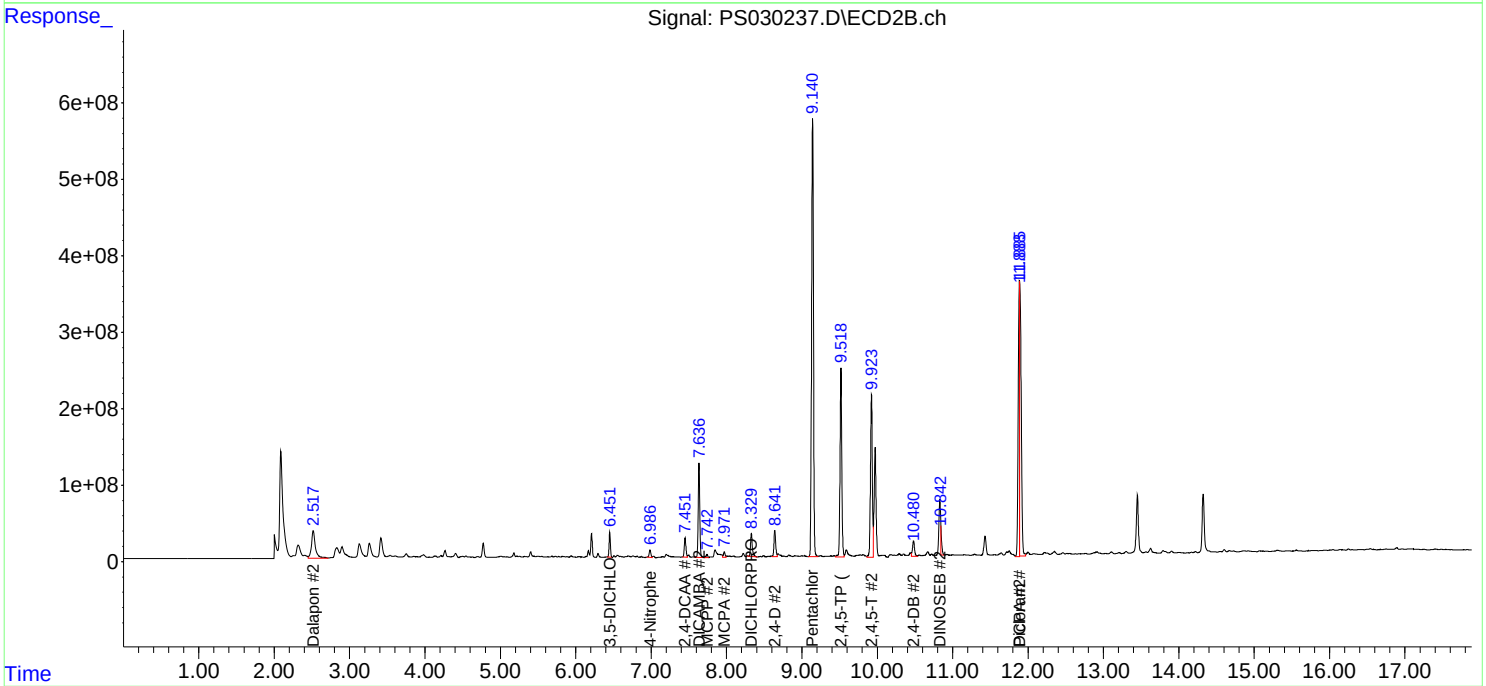
Instrument :
ECD_S
ClientSampleId :
TP-9MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:25:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 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\PS051525\
Data File : PS030238.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 16:54
Operator : AR\AJ
Sample : Q1982-08MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-9MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:25:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	6.933	7.451	1507.0E6	399.3E6	529.167	499.021m
	Target Compounds						
1) T	Dalapon	2.444	2.517	1925.9E6	1554.4E6	391.820	765.327 #
2) T	3,5-DICHL...	6.138	6.451	1945.3E6	491.3E6	466.426	421.443m
3) T	4-Nitroph...	6.723	6.986	596.8E6	282.9E6	288.909	270.991
5) T	DICAMBA	7.109	7.637	4927.4E6	2082.7E6	426.341	440.495
6) T	MCPP	7.287	7.743	331.9E6	76698429	45.569	41.689
7) T	MCPA	7.430	7.973	401.5E6	131.7E6	38.678	49.933 #
8) T	DICHLORPROP	7.789	8.330	1415.4E6	564.7E6	484.500	477.967
9) T	2,4-D	8.008	8.642	1663.1E6	644.1E6	507.205	499.144
10) T	Pentachlo...	8.286	9.142	17969.0E6	11016.7E6	443.669	446.290
11) T	2,4,5-TP ...	8.849	9.520	7215.8E6	4709.8E6	445.531	478.128
12) T	2,4,5-T	9.132	9.923	7061.9E6	4243.9E6	427.601	461.107
13) T	2,4-DB	9.690	10.481	926.8E6	454.4E6	355.111m	457.860 #
14) T	DINOSEB	10.850	10.846	306.6E6	233.7E6	26.808m	34.200m#
15) T	Picloram	10.670	11.886	7659.9E6	6225.5E6	358.157	442.365m
16) T	DCPA	11.152	11.885	8453.7E6	5050.3E6	424.566	373.805m

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

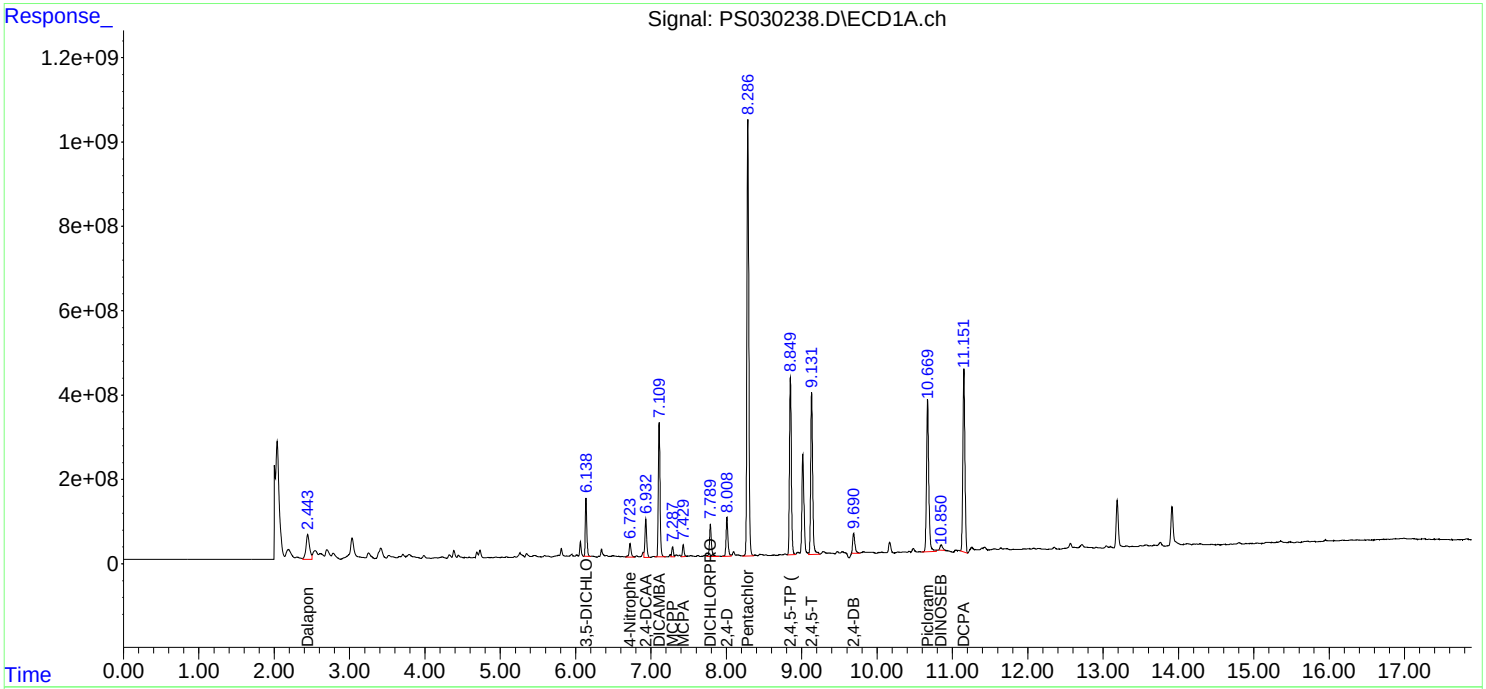
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030238.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 16:54
Operator : AR\AJ
Sample : Q1982-08MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

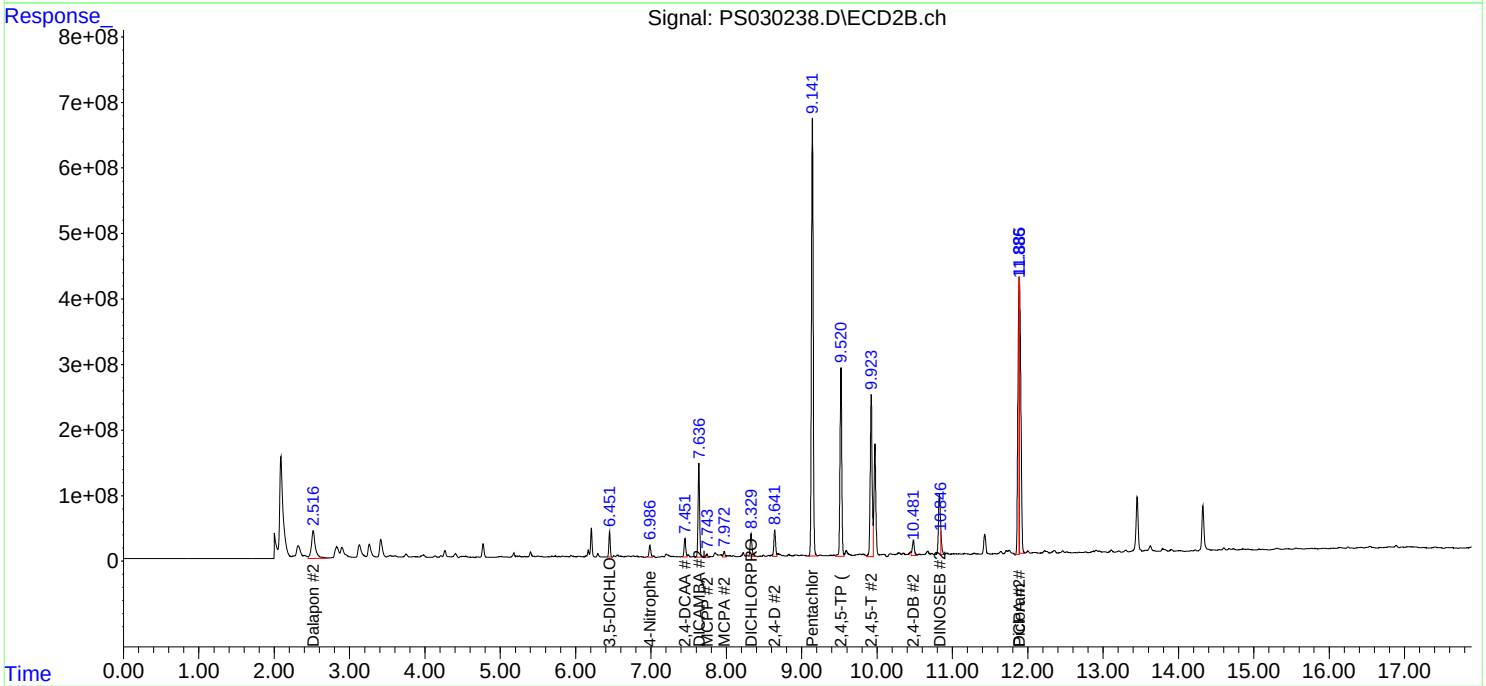
Instrument :
ECD_S
ClientSampleId :
TP-9MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:25:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 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:	PS051225	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS030125.D	DCPA #2	Abdul	5/13/2025 9:33:45 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC200	PS030125.D	Picloram #2	Abdul	5/13/2025 9:33:45 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC500	PS030126.D	DCPA #2	Abdul	5/13/2025 9:33:50 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC500	PS030126.D	Picloram #2	Abdul	5/13/2025 9:33:50 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC750	PS030127.D	DCPA #2	Abdul	5/13/2025 9:33:54 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC750	PS030127.D	Picloram #2	Abdul	5/13/2025 9:33:54 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC1000	PS030128.D	DCPA #2	Abdul	5/13/2025 9:33:58 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC1000	PS030128.D	Picloram #2	Abdul	5/13/2025 9:33:58 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC1500	PS030129.D	DCPA #2	Abdul	5/13/2025 9:34:03 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC1500	PS030129.D	Picloram #2	Abdul	5/13/2025 9:34:03 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICV750	PS030130.D	DCPA #2	Abdul	5/13/2025 9:34:08 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICV750	PS030130.D	Picloram #2	Abdul	5/13/2025 9:34:08 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDCCC750	PS030132.D	DCPA #2	Abdul	5/13/2025 9:34:12 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PS051225	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030132.D	Picloram #2	Abdul	5/13/2025 9:34:12 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDCCC750	PS030138.D	DCPA #2	Abdul	5/13/2025 9:34:34 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDCCC750	PS030138.D	Picloram #2	Abdul	5/13/2025 9:34:34 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDCCC750	PS030146.D	DCPA #2	Abdul	5/13/2025 9:35:02 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDCCC750	PS030146.D	Picloram #2	Abdul	5/13/2025 9:35:02 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PS051525	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030224.D	DCPA #2	Abdul	5/16/2025 10:03:21 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
HSTDCCC750	PS030224.D	Picloram #2	Abdul	5/16/2025 10:03:21 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1982-01	PS030227.D	2,4-DCAA #2	Abdul	5/16/2025 10:03:29 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1982-02	PS030228.D	2,4-DCAA #2	Abdul	5/16/2025 10:03:33 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1982-03	PS030229.D	2,4-DCAA #2	Abdul	5/16/2025 10:03:36 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1982-06	PS030232.D	2,4-DCAA #2	Abdul	5/16/2025 10:03:40 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1982-08	PS030234.D	2,4-DCAA #2	Abdul	5/16/2025 10:03:44 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
I.BLK	PS030235.D	2,4-DCAA #2	Abdul	5/16/2025 10:03:48 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
HSTDCCC750	PS030236.D	DCPA #2	Abdul	5/16/2025 10:03:52 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
HSTDCCC750	PS030236.D	Picloram #2	Abdul	5/16/2025 10:03:52 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1982-08MS	PS030237.D	2,4-DB	Abdul	5/16/2025 10:03:55 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1982-08MS	PS030237.D	2,4-DCAA	Abdul	5/16/2025 10:03:55 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1982-08MS	PS030237.D	3,5-DICHLOROBENZOIC ACID #2	Abdul	5/16/2025 10:03:55 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PS051525	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1982-08MS	PS030237.D	DCPA #2	Abdul	5/16/2025 10:03:55 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1982-08MS	PS030237.D	DINOSEB #2	Abdul	5/16/2025 10:03:55 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1982-08MS	PS030237.D	Picloram #2	Abdul	5/16/2025 10:03:55 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1982-08MSD	PS030238.D	2,4-DB	Abdul	5/16/2025 10:03:59 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1982-08MSD	PS030238.D	2,4-DCAA #2	Abdul	5/16/2025 10:03:59 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1982-08MSD	PS030238.D	3,5-DICHLOROBENZOIC ACID #2	Abdul	5/16/2025 10:03:59 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1982-08MSD	PS030238.D	DCPA #2	Abdul	5/16/2025 10:03:59 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1982-08MSD	PS030238.D	DINOSEB	Abdul	5/16/2025 10:03:59 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1982-08MSD	PS030238.D	DINOSEB #2	Abdul	5/16/2025 10:03:59 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1982-08MSD	PS030238.D	Picloram #2	Abdul	5/16/2025 10:03:59 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
HSTDCCC750	PS030248.D	DCPA #2	Abdul	5/16/2025 10:04:22 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
HSTDCCC750	PS030248.D	Picloram #2	Abdul	5/16/2025 10:04:22 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
HSTDCCC750	PS030256.D	DCPA #2	Abdul	5/16/2025 10:04:36 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PS051525	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030256.D	Picloram #2	Abdul	5/16/2025 10:04:36 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PS051925	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030259.D	DCPA #2	Abdul	5/20/2025 8:59:24 AM	mohammad	5/21/2025 5:36:56	Peak Integrated by Software
HSTDCCC750	PS030259.D	Picloram #2	Abdul	5/20/2025 8:59:24 AM	mohammad	5/21/2025 5:36:56	Peak Integrated by Software
HSTDCCC750	PS030264.D	DCPA #2	Abdul	5/20/2025 8:59:43 AM	mohammad	5/21/2025 5:36:56	Peak Integrated by Software
HSTDCCC750	PS030264.D	Picloram #2	Abdul	5/20/2025 8:59:43 AM	mohammad	5/21/2025 5:36:56	Peak Integrated by Software
HSTDCCC750	PS030276.D	DCPA #2	Abdul	5/20/2025 9:00:27 AM	mohammad	5/21/2025 5:36:56	Peak Integrated by Software
HSTDCCC750	PS030276.D	Picloram #2	Abdul	5/20/2025 9:00:27 AM	mohammad	5/21/2025 5:36:56	Peak Integrated by Software
PB167996BL	PS030279.D	2,4-DCAA #2	Abdul	5/20/2025 9:00:40 AM	mohammad	5/21/2025 5:36:56	Peak Integrated by Software
PB167996BS	PS030280.D	DCPA #2	Abdul	5/20/2025 9:00:43 AM	mohammad	5/21/2025 5:36:56	Peak Integrated by Software
PB167996BS	PS030280.D	Picloram #2	Abdul	5/20/2025 9:00:43 AM	mohammad	5/21/2025 5:36:56	Peak Integrated by Software
HSTDCCC750	PS030288.D	DCPA #2	Abdul	5/20/2025 9:01:15 AM	mohammad	5/21/2025 5:36:56	Peak Integrated by Software
HSTDCCC750	PS030288.D	Picloram #2	Abdul	5/20/2025 9:01:15 AM	mohammad	5/21/2025 5:36:56	Peak Integrated by Software
HSTDCCC750	PS030300.D	DCPA #2	Abdul	5/20/2025 9:01:45 AM	mohammad	5/21/2025 5:36:56	Peak Integrated by Software
HSTDCCC750	PS030300.D	Picloram #2	Abdul	5/20/2025 9:01:45 AM	mohammad	5/21/2025 5:36:56	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS051925	Instrument	ECD_s

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_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS051225

Review By	Abdul	Review On	5/13/2025 9:35:21 AM		
Supervise By	mohammad	Supervise On	5/14/2025 5:13:40 AM		
SubDirectory	PS051225	HP Acquire Method		HP Processing Method	ps051225 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	PS030123.D	12 May 2025 11:42	AR\AJ	Ok
2	I.BLK	PS030124.D	12 May 2025 12:06	AR\AJ	Ok
3	HSTDICC200	PS030125.D	12 May 2025 12:30	AR\AJ	Ok,M
4	HSTDICC500	PS030126.D	12 May 2025 12:54	AR\AJ	Ok,M
5	HSTDICC750	PS030127.D	12 May 2025 13:18	AR\AJ	Ok,M
6	HSTDICC1000	PS030128.D	12 May 2025 13:42	AR\AJ	Ok,M
7	HSTDICC1500	PS030129.D	12 May 2025 14:06	AR\AJ	Ok,M
8	HSTDICV750	PS030130.D	12 May 2025 14:30	AR\AJ	Ok,M
9	I.BLK	PS030131.D	12 May 2025 14:54	AR\AJ	Ok
10	HSTDCCC750	PS030132.D	12 May 2025 15:18	AR\AJ	Ok,M
11	Q1972-01	PS030133.D	12 May 2025 15:42	AR\AJ	ReRun
12	Q1972-01RE	PS030134.D	12 May 2025 16:58	AR\AJ	Confirms
13	Q1972-05	PS030135.D	12 May 2025 17:46	AR\AJ	Ok,M
14	Q1972-05RE	PS030136.D	12 May 2025 18:10	AR\AJ	Not Ok
15	I.BLK	PS030137.D	12 May 2025 18:34	AR\AJ	Ok
16	HSTDCCC750	PS030138.D	12 May 2025 18:58	AR\AJ	Ok,M
17	PB167968BL	PS030139.D	12 May 2025 19:46	AR\AJ	Ok,M
18	PB167968BS	PS030140.D	12 May 2025 20:10	AR\AJ	Ok,M
19	PB167851TB	PS030141.D	12 May 2025 20:34	AR\AJ	Ok
20	Q1956-05	PS030142.D	12 May 2025 20:59	AR\AJ	Ok,M
21	Q1956-05MS	PS030143.D	12 May 2025 21:23	AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS051225

Review By	Abdul	Review On	5/13/2025 9:35:21 AM		
Supervise By	mohammad	Supervise On	5/14/2025 5:13:40 AM		
SubDirectory	PS051225	HP Acquire Method		HP Processing Method	ps051225 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	Q1956-05MSD	PS030144.D	12 May 2025 21:47	AR\AJ	Ok,M
23	I.BLK	PS030145.D	12 May 2025 22:11	AR\AJ	Ok
24	HSTDCCC750	PS030146.D	12 May 2025 22:35	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS051525

Review By	Abdul	Review On	5/16/2025 10:05:06 AM		
Supervise By	mohammad	Supervise On	5/20/2025 2:55:26 AM		
SubDirectory	PS051525	HP Acquire Method		HP Processing Method	ps051225 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	PS030222.D	15 May 2025 09:02	AR\AJ	Ok
2	I.BLK	PS030223.D	15 May 2025 09:26	AR\AJ	Ok
3	HSTDCCC750	PS030224.D	15 May 2025 10:18	AR\AJ	Ok,M
4	PB167976BS	PS030225.D	15 May 2025 10:42	AR\AJ	Not Ok
5	PB167988BS	PS030226.D	15 May 2025 11:06	AR\AJ	Ok,M
6	Q1982-01	PS030227.D	15 May 2025 11:39	AR\AJ	Ok,M
7	Q1982-02	PS030228.D	15 May 2025 12:03	AR\AJ	Ok,M
8	Q1982-03	PS030229.D	15 May 2025 12:27	AR\AJ	Ok,M
9	Q1982-04	PS030230.D	15 May 2025 12:51	AR\AJ	Ok
10	Q1982-05	PS030231.D	15 May 2025 13:15	AR\AJ	Ok
11	Q1982-06	PS030232.D	15 May 2025 13:39	AR\AJ	Ok,M
12	Q1982-07	PS030233.D	15 May 2025 14:04	AR\AJ	Ok
13	Q1982-08	PS030234.D	15 May 2025 14:28	AR\AJ	Ok,M
14	I.BLK	PS030235.D	15 May 2025 15:42	AR\AJ	Ok,M
15	HSTDCCC750	PS030236.D	15 May 2025 16:06	AR\AJ	Ok,M
16	Q1982-08MS	PS030237.D	15 May 2025 16:30	AR\AJ	Ok,M
17	Q1982-08MSD	PS030238.D	15 May 2025 16:54	AR\AJ	Ok,M
18	Q2010-01	PS030239.D	15 May 2025 17:18	AR\AJ	Ok,M
19	Q2010-02	PS030240.D	15 May 2025 17:43	AR\AJ	Ok,M
20	Q2010-03	PS030241.D	15 May 2025 18:07	AR\AJ	Ok
21	Q2010-04	PS030242.D	15 May 2025 18:31	AR\AJ	Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS051525

Review By	Abdul	Review On	5/16/2025 10:05:06 AM		
Supervise By	mohammad	Supervise On	5/20/2025 2:55:26 AM		
SubDirectory	PS051525	HP Acquire Method		HP Processing Method	ps051225 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	Q2019-01	PS030243.D	15 May 2025 18:55	AR\AJ	Ok,M
23	Q2020-01	PS030244.D	15 May 2025 19:19	AR\AJ	Ok,M
24	Q1984-01	PS030245.D	15 May 2025 19:43	AR\AJ	Ok
25	Q1984-03	PS030246.D	15 May 2025 20:07	AR\AJ	Ok,M
26	I.BLK	PS030247.D	15 May 2025 20:31	AR\AJ	Ok
27	HSTDCCC750	PS030248.D	15 May 2025 20:55	AR\AJ	Ok,M
28	Q1984-05	PS030249.D	15 May 2025 21:19	AR\AJ	Ok
29	Q1984-07	PS030250.D	15 May 2025 21:43	AR\AJ	Ok,M
30	Q1984-09	PS030251.D	15 May 2025 22:08	AR\AJ	Ok,M
31	Q1984-11	PS030252.D	15 May 2025 22:32	AR\AJ	Ok,M
32	Q1984-13	PS030253.D	15 May 2025 22:56	AR\AJ	Ok
33	Q1984-15	PS030254.D	15 May 2025 23:20	AR\AJ	Ok
34	I.BLK	PS030255.D	15 May 2025 23:44	AR\AJ	Ok
35	HSTDCCC750	PS030256.D	16 May 2025 00:08	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS051925

Review By	Abdul	Review On	5/20/2025 9:02:23 AM		
Supervise By	mohammad	Supervise On	5/21/2025 5:36:56 AM		
SubDirectory	PS051925	HP Acquire Method		HP Processing Method	ps051225 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	PS030257.D	19 May 2025 08:30	AR\AJ	Ok
2	I.BLK	PS030258.D	19 May 2025 08:54	AR\AJ	Ok
3	HSTDCCC750	PS030259.D	19 May 2025 09:18	AR\AJ	Ok,M
4	PB168030BL	PS030260.D	19 May 2025 10:12	AR\AJ	Ok
5	PB168030BS	PS030261.D	19 May 2025 10:36	AR\AJ	Ok,M
6	Q2038-01	PS030262.D	19 May 2025 11:00	AR\AJ	Ok,M
7	I.BLK	PS030263.D	19 May 2025 11:24	AR\AJ	Ok
8	HSTDCCC750	PS030264.D	19 May 2025 11:48	AR\AJ	Ok,M
9	Q2034-01	PS030265.D	19 May 2025 12:12	AR\AJ	Ok,M
10	Q2034-05	PS030266.D	19 May 2025 12:36	AR\AJ	Ok,M
11	Q2034-09	PS030267.D	19 May 2025 13:00	AR\AJ	Ok,M
12	Q2034-13	PS030268.D	19 May 2025 13:24	AR\AJ	Ok,M
13	Q2034-17	PS030269.D	19 May 2025 13:48	AR\AJ	Ok,M
14	Q2034-21	PS030270.D	19 May 2025 14:12	AR\AJ	Ok,M
15	Q2048-01	PS030271.D	19 May 2025 14:36	AR\AJ	Ok,M
16	Q2048-05	PS030272.D	19 May 2025 15:00	AR\AJ	Ok,M
17	Q2048-09	PS030273.D	19 May 2025 15:24	AR\AJ	Ok,M
18	Q2048-13	PS030274.D	19 May 2025 15:48	AR\AJ	Ok,M
19	I.BLK	PS030275.D	19 May 2025 16:12	AR\AJ	Ok
20	HSTDCCC750	PS030276.D	19 May 2025 16:37	AR\AJ	Ok,M
21	Q2052-01	PS030277.D	19 May 2025 17:01	AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS051925

Review By	Abdul	Review On	5/20/2025 9:02:23 AM		
Supervise By	mohammad	Supervise On	5/21/2025 5:36:56 AM		
SubDirectory	PS051925	HP Acquire Method		HP Processing Method	ps051225 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	Q2057-01	PS030278.D	19 May 2025 17:25	AR\AJ	Ok,M
23	PB167996BL	PS030279.D	19 May 2025 17:49	AR\AJ	Ok,M
24	PB167996BS	PS030280.D	19 May 2025 18:13	AR\AJ	Ok,M
25	Q2032-01	PS030281.D	19 May 2025 18:37	AR\AJ	Ok,M
26	Q2032-02	PS030282.D	19 May 2025 19:01	AR\AJ	Ok,M
27	Q2032-03	PS030283.D	19 May 2025 19:25	AR\AJ	Ok,M
28	Q2032-04	PS030284.D	19 May 2025 19:49	AR\AJ	Ok,M
29	Q2032-05MS	PS030285.D	19 May 2025 20:13	AR\AJ	Ok,M
30	Q2032-06MSD	PS030286.D	19 May 2025 20:38	AR\AJ	Ok,M
31	I.BLK	PS030287.D	19 May 2025 21:02	AR\AJ	Ok
32	HSTDCCC750	PS030288.D	19 May 2025 21:26	AR\AJ	Ok,M
33	Q2032-07	PS030289.D	19 May 2025 21:50	AR\AJ	Ok,M
34	Q2032-08	PS030290.D	19 May 2025 22:14	AR\AJ	Ok,M
35	PB168065BL	PS030291.D	19 May 2025 22:38	AR\AJ	Ok
36	PB168065BS	PS030292.D	19 May 2025 23:02	AR\AJ	Ok,M
37	PB167994TB	PS030293.D	19 May 2025 23:26	AR\AJ	Ok,M
38	Q2027-03	PS030294.D	19 May 2025 23:50	AR\AJ	Ok
39	Q2027-03MS	PS030295.D	20 May 2025 00:14	AR\AJ	Ok,M
40	Q2027-03MSD	PS030296.D	20 May 2025 00:38	AR\AJ	Ok,M
41	Q2027-04	PS030297.D	20 May 2025 01:03	AR\AJ	Ok
42	Q2032-09	PS030298.D	20 May 2025 01:27	AR\AJ	Ok
43	I.BLK	PS030299.D	20 May 2025 01:51	AR\AJ	Ok
44	HSTDCCC750	PS030300.D	20 May 2025 02:15	AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS051925

Review By	Abdul	Review On	5/20/2025 9:02:23 AM		
Supervise By	mohammad	Supervise On	5/21/2025 5:36:56 AM		
SubDirectory	PS051925	HP Acquire Method		HP Processing Method	ps051225 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	

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS051225

Review By	Abdul	Review On	5/13/2025 9:35:21 AM		
Supervise By	mohammad	Supervise On	5/14/2025 5:13:40 AM		
SubDirectory	PS051225	HP Acquire Method		HP Processing Method	ps051225 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	PS030123.D	12 May 2025 11:42		AR\AJ	Ok
2	I.BLK	I.BLK	PS030124.D	12 May 2025 12:06		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS030125.D	12 May 2025 12:30		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS030126.D	12 May 2025 12:54		AR\AJ	Ok,M
5	HSTDICC750	HSTDICC750	PS030127.D	12 May 2025 13:18		AR\AJ	Ok,M
6	HSTDICC1000	HSTDICC1000	PS030128.D	12 May 2025 13:42		AR\AJ	Ok,M
7	HSTDICC1500	HSTDICC1500	PS030129.D	12 May 2025 14:06		AR\AJ	Ok,M
8	HSTDICV750	ICVPS051225	PS030130.D	12 May 2025 14:30		AR\AJ	Ok,M
9	I.BLK	I.BLK	PS030131.D	12 May 2025 14:54		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS030132.D	12 May 2025 15:18		AR\AJ	Ok,M
11	Q1972-01	SUB-WC	PS030133.D	12 May 2025 15:42	Surrogate high in both column	AR\AJ	ReRun
12	Q1972-01RE	SUB-WCRE	PS030134.D	12 May 2025 16:58	Surrogate high in both column	AR\AJ	Confirms
13	Q1972-05	WC-B-10	PS030135.D	12 May 2025 17:46		AR\AJ	Ok,M
14	Q1972-05RE	WC-B-10RE	PS030136.D	12 May 2025 18:10	not needed	AR\AJ	Not Ok
15	I.BLK	I.BLK	PS030137.D	12 May 2025 18:34		AR\AJ	Ok
16	HSTDCCC750	HSTDCCC750	PS030138.D	12 May 2025 18:58		AR\AJ	Ok,M
17	PB167968BL	PB167968BL	PS030139.D	12 May 2025 19:46		AR\AJ	Ok,M
18	PB167968BS	PB167968BS	PS030140.D	12 May 2025 20:10		AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS051225

Review By	Abdul	Review On	5/13/2025 9:35:21 AM		
Supervise By	mohammad	Supervise On	5/14/2025 5:13:40 AM		
SubDirectory	PS051225	HP Acquire Method		HP Processing Method	ps051225 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	PB167851TB	PB167851TB	PS030141.D	12 May 2025 20:34		AR\AJ	Ok
20	Q1956-05	COMP1	PS030142.D	12 May 2025 20:59		AR\AJ	Ok,M
21	Q1956-05MS	COMP1MS	PS030143.D	12 May 2025 21:23	Comp#1,6,14 recovery fail	AR\AJ	Ok,M
22	Q1956-05MSD	COMP1MSD	PS030144.D	12 May 2025 21:47	Comp#1,6,14 recovery fail	AR\AJ	Ok,M
23	I.BLK	I.BLK	PS030145.D	12 May 2025 22:11		AR\AJ	Ok
24	HSTDCCC750	HSTDCCC750	PS030146.D	12 May 2025 22:35		AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS051525

Review By	Abdul	Review On	5/16/2025 10:05:06 AM		
Supervise By	mohammad	Supervise On	5/20/2025 2:55:26 AM		
SubDirectory	PS051525	HP Acquire Method		HP Processing Method	ps051225 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	PS030222.D	15 May 2025 09:02		AR\AJ	Ok
2	I.BLK	I.BLK	PS030223.D	15 May 2025 09:26		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS030224.D	15 May 2025 10:18		AR\AJ	Ok,M
4	PB167976BS	PB167976BS	PS030225.D	15 May 2025 10:42		AR\AJ	Not Ok
5	PB167988BS	PB167988BS	PS030226.D	15 May 2025 11:06		AR\AJ	Ok,M
6	Q1982-01	TP-1	PS030227.D	15 May 2025 11:39		AR\AJ	Ok,M
7	Q1982-02	TP-2B	PS030228.D	15 May 2025 12:03		AR\AJ	Ok,M
8	Q1982-03	TP-3	PS030229.D	15 May 2025 12:27		AR\AJ	Ok,M
9	Q1982-04	TP-4	PS030230.D	15 May 2025 12:51		AR\AJ	Ok
10	Q1982-05	TP-5	PS030231.D	15 May 2025 13:15		AR\AJ	Ok
11	Q1982-06	TP-6	PS030232.D	15 May 2025 13:39		AR\AJ	Ok,M
12	Q1982-07	TP-8	PS030233.D	15 May 2025 14:04		AR\AJ	Ok
13	Q1982-08	TP-9	PS030234.D	15 May 2025 14:28		AR\AJ	Ok,M
14	I.BLK	I.BLK	PS030235.D	15 May 2025 15:42		AR\AJ	Ok,M
15	HSTDCCC750	HSTDCCC750	PS030236.D	15 May 2025 16:06		AR\AJ	Ok,M
16	Q1982-08MS	TP-9MS	PS030237.D	15 May 2025 16:30		AR\AJ	Ok,M
17	Q1982-08MSD	TP-9MSD	PS030238.D	15 May 2025 16:54		AR\AJ	Ok,M
18	Q2010-01	TP-10	PS030239.D	15 May 2025 17:18		AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS051525

Review By	Abdul	Review On	5/16/2025 10:05:06 AM		
Supervise By	mohammad	Supervise On	5/20/2025 2:55:26 AM		
SubDirectory	PS051525	HP Acquire Method		HP Processing Method	ps051225 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	Q2010-02	TP-13	PS030240.D	15 May 2025 17:43		AR\AJ	Ok,M
20	Q2010-03	TP-14	PS030241.D	15 May 2025 18:07		AR\AJ	Ok
21	Q2010-04	TP-17	PS030242.D	15 May 2025 18:31		AR\AJ	Ok
22	Q2019-01	MH-K	PS030243.D	15 May 2025 18:55		AR\AJ	Ok,M
23	Q2020-01	TP-A	PS030244.D	15 May 2025 19:19		AR\AJ	Ok,M
24	Q1984-01	OU4-PCS-TC-33-05072	PS030245.D	15 May 2025 19:43		AR\AJ	Ok
25	Q1984-03	OU4-PCS-TC-34-05072	PS030246.D	15 May 2025 20:07		AR\AJ	Ok,M
26	I.BLK	I.BLK	PS030247.D	15 May 2025 20:31		AR\AJ	Ok
27	HSTDCCC750	HSTDCCC750	PS030248.D	15 May 2025 20:55		AR\AJ	Ok,M
28	Q1984-05	OU4-PCS-TC-35-05072	PS030249.D	15 May 2025 21:19		AR\AJ	Ok
29	Q1984-07	OU4-TS-24-050725	PS030250.D	15 May 2025 21:43		AR\AJ	Ok,M
30	Q1984-09	OU4-TS-25-050725	PS030251.D	15 May 2025 22:08		AR\AJ	Ok,M
31	Q1984-11	OU4-TS-26-050725	PS030252.D	15 May 2025 22:32		AR\AJ	Ok,M
32	Q1984-13	OU4-TS-27-050725	PS030253.D	15 May 2025 22:56		AR\AJ	Ok
33	Q1984-15	OU4-TS-28-050725	PS030254.D	15 May 2025 23:20		AR\AJ	Ok
34	I.BLK	I.BLK	PS030255.D	15 May 2025 23:44		AR\AJ	Ok
35	HSTDCCC750	HSTDCCC750	PS030256.D	16 May 2025 00:08		AR\AJ	Ok,M

M : Manual Integration

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS051925

Review By	Abdul	Review On	5/20/2025 9:02:23 AM		
Supervise By	mohammad	Supervise On	5/21/2025 5:36:56 AM		
SubDirectory	PS051925	HP Acquire Method		HP Processing Method	ps051225 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	PS030257.D	19 May 2025 08:30		AR\AJ	Ok
2	I.BLK	I.BLK	PS030258.D	19 May 2025 08:54		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS030259.D	19 May 2025 09:18		AR\AJ	Ok,M
4	PB168030BL	PB168030BL	PS030260.D	19 May 2025 10:12		AR\AJ	Ok
5	PB168030BS	PB168030BS	PS030261.D	19 May 2025 10:36		AR\AJ	Ok,M
6	Q2038-01	72-11991	PS030262.D	19 May 2025 11:00		AR\AJ	Ok,M
7	I.BLK	I.BLK	PS030263.D	19 May 2025 11:24		AR\AJ	Ok
8	HSTDCCC750	HSTDCCC750	PS030264.D	19 May 2025 11:48		AR\AJ	Ok,M
9	Q2034-01	L3-WC-1	PS030265.D	19 May 2025 12:12		AR\AJ	Ok,M
10	Q2034-05	L3-WC-2	PS030266.D	19 May 2025 12:36		AR\AJ	Ok,M
11	Q2034-09	L3-WC-3	PS030267.D	19 May 2025 13:00		AR\AJ	Ok,M
12	Q2034-13	L3-WC-4	PS030268.D	19 May 2025 13:24		AR\AJ	Ok,M
13	Q2034-17	L3-WC-5	PS030269.D	19 May 2025 13:48		AR\AJ	Ok,M
14	Q2034-21	L3-WC-6	PS030270.D	19 May 2025 14:12		AR\AJ	Ok,M
15	Q2048-01	L2-WC-1	PS030271.D	19 May 2025 14:36		AR\AJ	Ok,M
16	Q2048-05	L2-WC-2	PS030272.D	19 May 2025 15:00		AR\AJ	Ok,M
17	Q2048-09	L2-WC-3	PS030273.D	19 May 2025 15:24		AR\AJ	Ok,M
18	Q2048-13	L2-WC-4	PS030274.D	19 May 2025 15:48		AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS051925

Review By	Abdul	Review On	5/20/2025 9:02:23 AM		
Supervise By	mohammad	Supervise On	5/21/2025 5:36:56 AM		
SubDirectory	PS051925	HP Acquire Method		HP Processing Method	ps051225 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	I.BLK	I.BLK	PS030275.D	19 May 2025 16:12		AR\AJ	Ok
20	HSTDCCC750	HSTDCCC750	PS030276.D	19 May 2025 16:37		AR\AJ	Ok,M
21	Q2052-01	TP-B	PS030277.D	19 May 2025 17:01		AR\AJ	Ok,M
22	Q2057-01	MH-L	PS030278.D	19 May 2025 17:25		AR\AJ	Ok,M
23	PB167996BL	PB167996BL	PS030279.D	19 May 2025 17:49		AR\AJ	Ok,M
24	PB167996BS	PB167996BS	PS030280.D	19 May 2025 18:13		AR\AJ	Ok,M
25	Q2032-01	TP-11	PS030281.D	19 May 2025 18:37		AR\AJ	Ok,M
26	Q2032-02	TP-29	PS030282.D	19 May 2025 19:01		AR\AJ	Ok,M
27	Q2032-03	TP-29-99	PS030283.D	19 May 2025 19:25		AR\AJ	Ok,M
28	Q2032-04	TP-24	PS030284.D	19 May 2025 19:49		AR\AJ	Ok,M
29	Q2032-05MS	TP-24MS	PS030285.D	19 May 2025 20:13		AR\AJ	Ok,M
30	Q2032-06MSD	TP-24MSD	PS030286.D	19 May 2025 20:38		AR\AJ	Ok,M
31	I.BLK	I.BLK	PS030287.D	19 May 2025 21:02		AR\AJ	Ok
32	HSTDCCC750	HSTDCCC750	PS030288.D	19 May 2025 21:26		AR\AJ	Ok,M
33	Q2032-07	TP-37	PS030289.D	19 May 2025 21:50		AR\AJ	Ok,M
34	Q2032-08	TP-32	PS030290.D	19 May 2025 22:14		AR\AJ	Ok,M
35	PB168065BL	PB168065BL	PS030291.D	19 May 2025 22:38		AR\AJ	Ok
36	PB168065BS	PB168065BS	PS030292.D	19 May 2025 23:02		AR\AJ	Ok,M
37	PB167994TB	PB167994TB	PS030293.D	19 May 2025 23:26		AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS051925

Review By	Abdul	Review On	5/20/2025 9:02:23 AM		
Supervise By	mohammad	Supervise On	5/21/2025 5:36:56 AM		
SubDirectory	PS051925	HP Acquire Method		HP Processing Method	ps051225 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	Q2027-03	B27-SOIL-SAMPLE	PS030294.D	19 May 2025 23:50		AR\AJ	Ok
39	Q2027-03MS	B27-SOIL-SAMPLEMS	PS030295.D	20 May 2025 00:14		AR\AJ	Ok,M
40	Q2027-03MSD	B27-SOIL-SAMPLEMS	PS030296.D	20 May 2025 00:38		AR\AJ	Ok,M
41	Q2027-04	B28-SOIL-SAMPLE	PS030297.D	20 May 2025 01:03		AR\AJ	Ok
42	Q2032-09	COMP-1	PS030298.D	20 May 2025 01:27		AR\AJ	Ok
43	I.BLK	I.BLK	PS030299.D	20 May 2025 01:51		AR\AJ	Ok
44	HSTDCCC750	HSTDCCC750	PS030300.D	20 May 2025 02:15		AR\AJ	Ok,M

M : Manual Integration

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EXTRACTION LOGPAGE

PB167996

SOP ID:	M8151A-Herbicide-22				
Clean Up SOP #:	N/A			**Extraction Start Date :**	05/14/2025
Matrix :	Solid			**Extraction Start Time :**	08:30
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	05/14/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	16:00
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	3,4,5,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5/500 PPM	PP24484
Surrogate	1.0ML	5000 PPB	PP24552
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2612
Acidified Na2SO4	N/A	EP2576
Sand	N/A	E2865
HCL	N/A	M6151
DI WATER	N/A	N/A
37% KOH	N/A	EP2594
Methylene Chloride	N/A	E3930
1:3 SULPHURIC ACID	N/A	EP2598
Ether	N/A	E3881
ISO OCTANE	N/A	E3554
METHANOL	N/A	V14622
Diazomethane	N/A	EP2608
Hexane	N/A	E3934
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH adjusted with HCL <2 for soil Extraction, PH adjusted with 1:3 H2SO4 <2 after Hydrolysis, Derivatization procedure is completed and samples are ready to Analyze,40ML Vial Lot # 03-40 BTS723.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/14/25	RS (Ext-lab)	Post-PCB Lab
16:05	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167996

Analytical Method: M8151A-Herbicide-22

Concentration Date: 05/14/2025

Sample ID	Client Sample ID	Test	g// mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167996BL	HBLK996	Herbicide	30.01	N/A	ritesh	Evelyn	10			U1-1
PB167996BS	HLCS996	Herbicide	30.03	N/A	ritesh	Evelyn	10			2
Q1982-01	TP-1	Herbicide	30.02	N/A	ritesh	Evelyn	10	E		3
Q1982-02	TP-2B	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		4
Q1982-03	TP-3	Herbicide	30.08	N/A	ritesh	Evelyn	10	E		5
Q1982-04	TP-4	Herbicide	30.02	N/A	ritesh	Evelyn	10	E		6
Q1982-05	TP-5	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		U2-1
Q1982-06	TP-6	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		2
Q1982-07	TP-8	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		3
Q1982-08	TP-9	Herbicide	30.07	N/A	ritesh	Evelyn	10	E		4
Q1982-08MS	TP-9MS	Herbicide	30.01	N/A	ritesh	Evelyn	10	E		5
Q1982-08MSD	TP-9MSD	Herbicide	30.08	N/A	ritesh	Evelyn	10	E		6
Q1984-01	OU4-PCS-TC-33-050725	Herbicide Group1	30.04	N/A	ritesh	Evelyn	10	E		U3-1
Q1984-03	OU4-PCS-TC-34-050725	Herbicide Group1	30.07	N/A	ritesh	Evelyn	10	E		2
Q1984-05	OU4-PCS-TC-35-050725	Herbicide Group1	30.03	N/A	ritesh	Evelyn	10	E		3
Q1984-07	OU4-TS-24-050725	Herbicide Group1	30.06	N/A	ritesh	Evelyn	10	E		4
Q1984-09	OU4-TS-25-050725	Herbicide Group1	30.05	N/A	ritesh	Evelyn	10	E		5
Q1984-11	OU4-TS-26-050725	Herbicide Group1	30.09	N/A	ritesh	Evelyn	10	E		6
Q1984-13	OU4-TS-27-050725	Herbicide Group1	30.07	N/A	ritesh	Evelyn	10	E		U6-1
Q1984-15	OU4-TS-28-050725	Herbicide Group1	30.03	N/A	ritesh	Evelyn	10	E		2
Q2019-01	MH-K	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		3
Q2020-01	TP-A	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		4

RS 5/14

* **Extracts relinquished on the same date as received.**

Q1982 8/14/25 9:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1984H **WorkList ID :** 189497 **Department :** Extraction **Date :** 05-14-2025 08:25:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1982-01	TP-1	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/06/2025	8151A
Q1982-02	TP-2B	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/06/2025	8151A
Q1982-03	TP-3	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/06/2025	8151A
Q1982-04	TP-4	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/07/2025	8151A
Q1982-05	TP-5	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/07/2025	8151A
Q1982-06	TP-6	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/07/2025	8151A
Q1982-07	TP-8	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/07/2025	8151A
Q1982-08	TP-9	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/07/2025	8151A
Q1984-01	OU4-PCS-TC-33-050725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	L41	05/07/2025	8151A
Q1984-03	OU4-PCS-TC-34-050725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	L41	05/07/2025	8151A
Q1984-05	OU4-PCS-TC-35-050725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	L41	05/07/2025	8151A
Q1984-07	OU4-TS-24-050725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	L41	05/07/2025	8151A
Q1984-09	OU4-TS-25-050725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	L41	05/07/2025	8151A
Q1984-11	OU4-TS-26-050725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	L41	05/07/2025	8151A
Q1984-13	OU4-TS-27-050725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	L41	05/07/2025	8151A
Q1984-15	OU4-TS-28-050725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	L41	05/07/2025	8151A
Q2019-01	MH-K	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/13/2025	8151A
Q2020-01	TP-A	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/12/2025	8151A

11146 of 13901

Date/Time 08/14/25 9:25
Raw Sample Received by: RJ (ECL-Lab)
Raw Sample Relinquished by:

Date/Time 08/14/25 9:00
Raw Sample Received by:
Raw Sample Relinquished by: RJ (ECL-Lab)

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

LAB CHRONICLE

OrderID:	Q1982	**OrderDate:**	5/7/2025 3:20:42 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
Q1982-01	**TP-1**	**SOIL**			**05/06/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			Herbicide	8151A		05/14/25	05/15/25	
			PCB	8082A		05/13/25	05/13/25	
			Pesticide-TCL	8081B		05/12/25	05/13/25	
			Gasoline Range Organics	8015D			05/12/25	
Q1982-02	**TP-2B**	**SOIL**			**05/06/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			Herbicide	8151A		05/14/25	05/15/25	
			PCB	8082A		05/13/25	05/13/25	
			Pesticide-TCL	8081B		05/12/25	05/13/25	
Q1982-03	**TP-3**	**SOIL**			**05/06/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			Herbicide	8151A		05/14/25	05/15/25	
			PCB	8082A		05/13/25	05/13/25	
			Pesticide-TCL	8081B		05/12/25	05/12/25	
Q1982-04	**TP-4**	**SOIL**			**05/07/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			Herbicide	8151A		05/14/25	05/15/25	
			PCB	8082A		05/13/25	05/13/25	
			Pesticide-TCL	8081B		05/12/25	05/13/25	
Q1982-05	**TP-5**	**SOIL**			**05/07/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	

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LAB CHRONICLE

			Gasoline Range Organics	8015D			05/13/25	
			Herbicide	8151A		05/14/25	05/15/25	
			PCB	8082A		05/13/25	05/13/25	
			Pesticide-TCL	8081B		05/12/25	05/13/25	
Q1982-06	**TP-6**	**SOIL**			**05/07/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			Herbicide	8151A		05/14/25	05/15/25	
			PCB	8082A		05/13/25	05/13/25	
			Pesticide-TCL	8081B		05/12/25	05/12/25	
Q1982-07	**TP-8**	**SOIL**			**05/07/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/14/25	
			Herbicide	8151A		05/14/25	05/15/25	
			PCB	8082A		05/13/25	05/13/25	
			Pesticide-TCL	8081B		05/12/25	05/13/25	
Q1982-08	**TP-9**	**SOIL**			**05/07/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			Herbicide	8151A		05/14/25	05/15/25	
			PCB	8082A		05/13/25	05/13/25	
			Pesticide-TCL	8081B		05/13/25	05/13/25	

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-1	SDG No.:	Q1982
Lab Sample ID:	Q1982-01	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	80.9 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015831.D	1	05/13/25 10:05	05/13/25 19:49	PB167975

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	4350		208	2060	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	13.3		37 - 130	67%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-2B	SDG No.:	Q1982
Lab Sample ID:	Q1982-02	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	85 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
FG015832.D	1	05/13/25 10:05	05/13/25 20:18	PB167975

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	4340		199	1960	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	10.8		37 - 130	54%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-3	SDG No.:	Q1982
Lab Sample ID:	Q1982-03	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	90.7 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
FG015833.D	1	05/13/25 10:05	05/13/25 20:47	PB167975

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	1920		186	1840	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	10.2		37 - 130	51%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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M = MS/MSD acceptance criteria did not meet requirements

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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-4	SDG No.:	Q1982
Lab Sample ID:	Q1982-04	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	87.4 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
FF015836.D	1	05/13/25 10:05	05/13/25 17:22	PB167975

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	18200		193	1910	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	21.0		37 - 130	105%	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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-5	SDG No.:	Q1982
Lab Sample ID:	Q1982-05	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	89.9 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
FF015837.D	1	05/13/25 10:05	05/13/25 17:51	PB167975

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	2870		188	1850	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	11.8		37 - 130	59%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-6	SDG No.:	Q1982
Lab Sample ID:	Q1982-06	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	86.2 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF015838.D	1	05/13/25 10:05	05/13/25 18:21	PB167975

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	2780		196	1930	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	12.0		37 - 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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-8	SDG No.:	Q1982
Lab Sample ID:	Q1982-07	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	83.7 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
FF015839.D	1	05/13/25 10:05	05/13/25 18:50	PB167975

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	5650		202	1990	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	10.7		37 - 130	54%	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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-9	SDG No.:	Q1982
Lab Sample ID:	Q1982-08	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	81.3 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
FF015840.D	1	05/13/25 10:05	05/13/25 19:19	PB167975

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	4630		208	2050	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	12.7		37 - 130	63%	SPK: 20

Comments:

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
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D = Dilution
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QC SUMMARY

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SOIL DIESEL RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: CDM Smith

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG No.: Q1982

EPA SAMPLE NO.	S1 TETRACOSANE-d50	S2	S3	S4	TOT OUT
PIBLK-FF015834.D	82				0
PIBLK-FF015841.D	81				0
PIBLK-FG015817.D	96				0
PIBLK-FG015824.D	85				0
PIBLK-FG015834.D	96				0
PB167975BL	87				0
PB167975BS	93				0
SB2-4-5MS	58				0
SB2-4-5MSD	60				0
TP-1	67				0
TP-2B	54				0
TP-3	51				0
TP-4	105				0
TP-5	59				0
TP-6	60				0
TP-8	54				0
TP-9	63				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:** Q1982 **SAS No :** Q1982 **SDG No:** Q1982

Client SampleID : SB2-4-5MS **Datafile:** FG015828.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
DRO	7123	0	7673	108%		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:** Q1982 **SAS No :** Q1982 **SDG No:** Q1982

Client SampleID : SB2-4-5MSD **Datafile:** FG015829.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
DRO	7121	0	7822	110%		68-131

MS/MSD % Recovery RPD : 1.9

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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:** Q1982 **SAS No :** Q1982 **SDG No:** Q1982

Matrix Spike - EPA Sample No : PB167975BS **Datafile:** FG015821.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
DRO	6662	0	6321	95	68-131

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4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.
PB167975BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

Lab File ID: FG015820.D Lab Sample ID: PB167975BL

Instrument ID: FG Date Extracted: 05/13/2025

Matrix: (soil/water) Soil Date Analyzed: 05/13/25

Level: (low/med) low Time Analyzed: 13:22

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
TP-4	Q1982-04	FF015836.D	05/13/25
TP-5	Q1982-05	FF015837.D	05/13/25
TP-6	Q1982-06	FF015838.D	05/13/25
TP-8	Q1982-07	FF015839.D	05/13/25
TP-9	Q1982-08	FF015840.D	05/13/25
PB167975BS	PB167975BS	FG015821.D	05/13/25
SB2-4-5MS	Q1956-03MS	FG015828.D	05/13/25
SB2-4-5MSD	Q1956-04MSD	FG015829.D	05/13/25
TP-1	Q1982-01	FG015831.D	05/13/25
TP-2B	Q1982-02	FG015832.D	05/13/25
TP-3	Q1982-03	FG015833.D	05/13/25

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:	PB167975BL	SDG No.:	Q1982
Lab Sample ID:	PB167975BL	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
FG015820.D	1	05/13/25 10:05	05/13/25 13:22	PB167975

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	17.4		37 - 130	87%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	PIBLK-FF015834.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-FF015834.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
FF015834.D	1		05/13/25	FF051325

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	16.4		29 - 130	82%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
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LOD = Limit of Detection
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Q = indicates LCS control criteria did not meet requirements
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:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	PIBLK-FF015841.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-FF015841.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
FF015841.D	1		05/13/25	FF051325

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	16.1		29 - 130	81%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	PIBLK-FG015817.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-FG015817.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
FG015817.D	1		05/13/25	FG051325

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	19.2		29 - 130	96%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	PIBLK-FG015824.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-FG015824.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
FG015824.D	1		05/13/25	FG051325

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	16.9		29 - 130	85%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	PIBLK-FG015834.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-FG015834.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
FG015834.D	1		05/13/25	FG051325

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	19.2		29 - 130	96%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB167975BS	SDG No.:	Q1982
Lab Sample ID:	PB167975BS	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
FG015821.D	1	05/13/25 10:05	05/13/25 13:51	PB167975

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	6320		169	1670	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	18.6		37 - 130	93%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	South River WM Replacement	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MS	SDG No.:	Q1982
Lab Sample ID:	Q1956-03MS	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	93.5 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
FG015828.D	1	05/13/25 10:05	05/13/25 18:21	PB167975

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	7670		181	1780	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	11.6		37 - 130	58%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	South River WM Replacement	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MSD	SDG No.:	Q1982
Lab Sample ID:	Q1956-04MSD	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	93.5 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
FG015829.D	1	05/13/25 10:05	05/13/25 18:50	PB167975

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	7820		181	1780	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	11.9		37 - 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

CALIBRATION SUMMARY

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

Lab Name: Chemtech Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG No.: Q1982

Calibration Sequence : FF042225		Test : Diesel Range Organics	
Concentration (PPM)	**Area Count**	**Reference Factor**	**File ID**
1000	116059922	116060	FF015786.D
500	58079559	116159	FF015787.D
200	21235975	106180	FF015788.D
100	11342548	113425	FF015789.D
50	7274526	145491	FF015790.D
AVG RF : 119463	**% RSD : 12.646**		**AVG RT : 15.02**

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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.: Q1982 SAS No.: Q1982 SDG No.: Q1982

Calibration Sequence : FG042425		Test : Diesel Range Organics	
Concentration (PPM)	**Area Count**	**Reference Factor**	**File ID**
1000	122641169	122641	FG015756.D
500	64139521	128279	FG015757.D
200	25210755	126054	FG015758.D
100	13317775	133178	FG015759.D
50	6223650	124473	FG015760.D

AVG RF : 126925 **% RSD : 3.202** **AVG RT : 15.0012**

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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.: Q1982 SAS No.: Q1982 SDG No.: Q1982

DataFile: FF015835.D Analyst Name: YP\AJ Analyst Date: 05-13-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	59789393	119579	119463	0.097

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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.: Q1982 SAS No.: Q1982 SDG No.: Q1982

DataFile: FF015842.D Analyst Name: YP\AJ Analyst Date: 05-13-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	55594324	111189	119463	6.926

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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.: Q1982 SAS No.: Q1982 SDG No.: Q1982

DataFile: FG015818.D Analyst Name: YP\AJ Analyst Date: 05-13-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	60476877	120954	126925	4.704

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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.: Q1982 SAS No.: Q1982 SDG No.: Q1982

DataFile: FG015825.D Analyst Name: YP\AJ Analyst Date: 05-13-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	62796625	125593	126925	1.049

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Fax : 908 789 8922

DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG No.: Q1982

DataFile: FG015835.D Analyst Name: YP\AJ Analyst Date: 05-13-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	63457844	126916	126925	0.007

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q1982

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 **15.02**

EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
PIBLK01	I.BLK01	13 May 2025 16:24	FF015834.D	15.021	
50 PPM TRPH STD	50 PPM TRPH STD	13 May 2025 16:53	FF015835.D	15.019	
TP-4	Q1982-04	13 May 2025 17:22	FF015836.D	15.017	
TP-5	Q1982-05	13 May 2025 17:51	FF015837.D	15.018	
TP-6	Q1982-06	13 May 2025 18:21	FF015838.D	15.018	
TP-8	Q1982-07	13 May 2025 18:50	FF015839.D	15.017	
TP-9	Q1982-08	13 May 2025 19:19	FF015840.D	15.020	
PIBLK02	I.BLK02	13 May 2025 19:49	FF015841.D	15.021	
50 PPM TRPH STD	50 PPM TRPH STD	13 May 2025 20:18	FF015842.D	15.022	
PIBLK03	I.BLK03	13 May 2025 11:11	FG015817.D	14.996	
50 PPM TRPH STD	50 PPM TRPH STD	13 May 2025 11:40	FG015818.D	14.998	
PB167975BL	PB167975BL	13 May 2025 13:22	FG015820.D	14.998	
PB167975BS	PB167975BS	13 May 2025 13:51	FG015821.D	14.995	
PIBLK04	I.BLK04	13 May 2025 15:54	FG015824.D	14.995	
50 PPM TRPH STD	50 PPM TRPH STD	13 May 2025 16:53	FG015825.D	14.998	
SB2-4-5MS	Q1956-03MS	13 May 2025 18:21	FG015828.D	14.994	
SB2-4-5MSD	Q1956-04MSD	13 May 2025 18:50	FG015829.D	14.993	
TP-1	Q1982-01	13 May 2025 19:49	FG015831.D	14.995	
TP-2B	Q1982-02	13 May 2025 20:18	FG015832.D	14.993	
TP-3	Q1982-03	13 May 2025 20:47	FG015833.D	14.993	
PIBLK05	I.BLK05	13 May 2025 21:16	FG015834.D	14.994	
50 PPM TRPH STD	50 PPM TRPH STD	13 May 2025 21:46	FG015835.D	14.996	

 # Column used to flag RT values with an * values outside of QC limits

QC Limits	Lower Limit	Upper Limits
(± 0.10 minutes)	14.9012	15.1012

SAMPLE RAW DATA

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051325\
Data File : FG015831.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 19:49
Operator : YP\AJ
Sample : Q1982-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-1

Integration File: autoint1.e
Quant Time: May 14 03:56:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG042425.M
Quant Title :
QLast Update : Thu Apr 24 12:54:09 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...	14.995	1566989	13.309 ug/ml
Target Compounds			

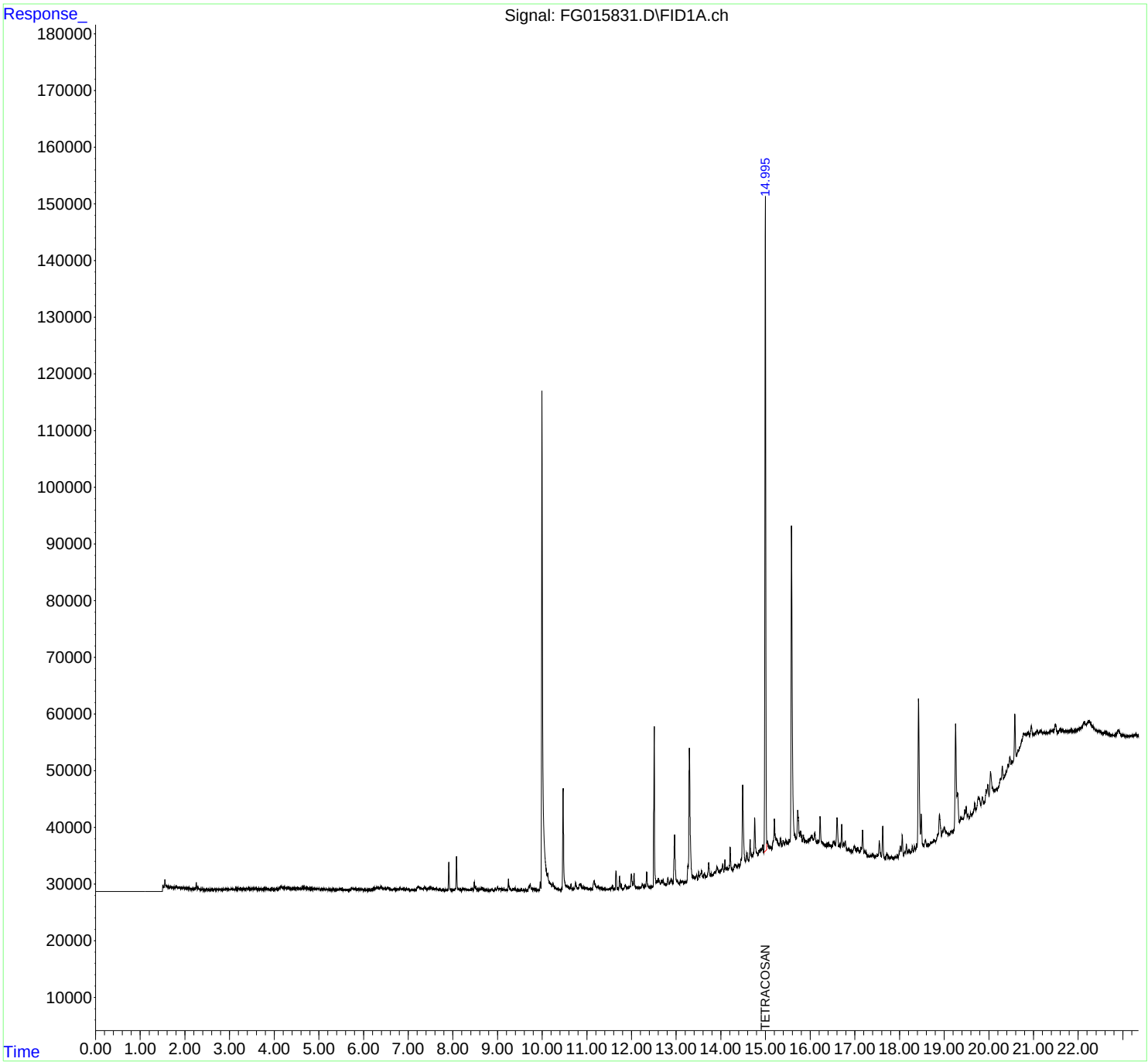
(f)=RT Delta > 1/2 Window (m)=manual int.

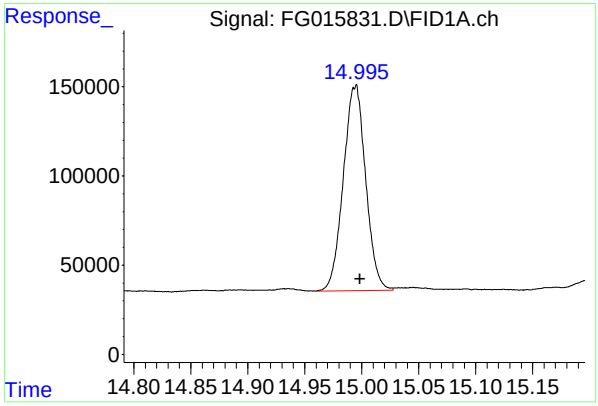
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051325\
Data File : FG015831.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 19:49
Operator : YP\AJ
Sample : Q1982-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-1

Integration File: autoint1.e
Quant Time: May 14 03:56:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG042425.M
Quant Title :
QLast Update : Thu Apr 24 12:54:09 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.: 14.995 min
Delta R.T.: -0.004 mi
Response: 1566989
Conc: 13.31 ug/m

Instrument :
FID_G
ClientSampleId :
TP-1

11

A B C D E F G H I J

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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051325\
Data File : FG015831.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 19:49
Sample : Q1982-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG042425.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.320	4.300	4.359	BV	107	1702	0.10%	0.011%
2	4.369	4.359	4.377	PV	87	461	0.03%	0.003%
3	4.406	4.377	4.412	PV	155	1736	0.10%	0.012%
4	4.420	4.412	4.431	VV	137	1220	0.07%	0.008%
5	4.438	4.431	4.444	VV	173	956	0.06%	0.006%
6	4.450	4.444	4.483	VV	176	2482	0.14%	0.017%
7	4.496	4.483	4.507	VV	334	3470	0.20%	0.023%
8	4.511	4.507	4.528	VV	191	2592	0.15%	0.017%
9	4.534	4.528	4.537	VV	232	1049	0.06%	0.007%
10	4.541	4.537	4.568	VV	250	3308	0.19%	0.022%
11	4.572	4.568	4.577	VV	230	886	0.05%	0.006%
12	4.583	4.577	4.607	VV	203	2499	0.15%	0.017%
13	4.624	4.607	4.638	VV	329	3739	0.22%	0.025%
14	4.642	4.638	4.654	VV	571	1637	0.10%	0.011%
15	4.669	4.654	4.683	VV	441	5174	0.30%	0.034%
16	4.687	4.683	4.694	VV	363	1853	0.11%	0.012%
17	4.697	4.694	4.722	VV	300	3614	0.21%	0.024%
18	4.728	4.722	4.735	VV	260	1557	0.09%	0.010%
19	4.749	4.735	4.754	VV	248	2306	0.13%	0.015%
20	4.759	4.754	4.764	VV	239	1182	0.07%	0.008%
21	4.770	4.764	4.776	VV	223	1375	0.08%	0.009%
22	4.778	4.776	4.810	VV	229	3925	0.23%	0.026%
23	4.813	4.810	4.823	VV	214	1441	0.08%	0.010%
24	4.830	4.823	4.837	VV	254	1431	0.08%	0.010%
25	4.843	4.837	4.850	VV	218	1525	0.09%	0.010%
26	4.854	4.850	4.860	VV	218	1161	0.07%	0.008%
27	4.864	4.860	4.869	VV	204	834	0.05%	0.006%
28	4.873	4.869	4.887	VV	177	1750	0.10%	0.012%
29	4.891	4.887	4.897	VV	187	1069	0.06%	0.007%
30	4.899	4.897	4.905	VV	186	763	0.04%	0.005%
31	4.908	4.905	4.914	VV	208	1005	0.06%	0.007%
32	4.924	4.914	4.936	VV	219	2468	0.14%	0.016%
33	4.947	4.936	4.966	VV	260	3282	0.19%	0.022%
34	4.973	4.966	4.988	VV	226	2290	0.13%	0.015%
35	5.005	4.988	5.027	VV	250	3960	0.23%	0.026%
36	5.033	5.027	5.046	VV	160	1460	0.09%	0.010%

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37	5.050	5.046	5.053	VV	159	472	0.03%	0.003%
38	5.062	5.053	5.083	VV	190	2672	0.16%	0.018%
39	5.087	5.083	5.092	VV	234	978	0.06%	0.007%
40	5.098	5.092	5.107	VV	179	1411	0.08%	0.009%
41	5.111	5.107	5.133	VV	172	1963	0.11%	0.013%
42	5.159	5.133	5.180	VV	252	4155	0.24%	0.028%
43	5.184	5.180	5.213	VV	132	1941	0.11%	0.013%
44	5.217	5.213	5.223	VV	95	505	0.03%	0.003%
45	5.226	5.223	5.242	VV	92	1067	0.06%	0.007%
46	5.245	5.242	5.258	VV	170	824	0.05%	0.005%
47	5.275	5.258	5.293	PV	172	2343	0.14%	0.016%
48	5.324	5.293	5.379	VV	241	6740	0.39%	0.045%
49	5.384	5.379	5.407	VV	149	1688	0.10%	0.011%
50	5.415	5.407	5.436	VV	130	1756	0.10%	0.012%
51	5.458	5.436	5.465	VV	300	3544	0.21%	0.024%
52	5.473	5.465	5.495	VV	294	3993	0.23%	0.027%
53	5.508	5.495	5.520	VV	191	2200	0.13%	0.015%
54	5.525	5.520	5.539	VV	377	1525	0.09%	0.010%
55	5.545	5.539	5.557	VV	98	993	0.06%	0.007%
56	5.573	5.557	5.579	VV	160	1457	0.09%	0.010%
57	5.592	5.579	5.601	VV	121	1199	0.07%	0.008%
58	5.607	5.601	5.626	VV	87	780	0.05%	0.005%
59	5.640	5.626	5.654	VV	159	1939	0.11%	0.013%
60	5.659	5.654	5.664	VV	147	595	0.03%	0.004%
61	5.670	5.664	5.689	VV	120	1211	0.07%	0.008%
62	5.695	5.689	5.700	PV	99	404	0.02%	0.003%
63	5.732	5.700	5.757	VV	417	8879	0.52%	0.059%
64	5.766	5.757	5.774	VV	302	2769	0.16%	0.018%
65	5.790	5.774	5.814	VV	343	6231	0.36%	0.042%
66	5.829	5.814	5.864	VV	296	6311	0.37%	0.042%
67	5.871	5.864	5.900	VV	284	5122	0.30%	0.034%
68	5.907	5.900	5.969	VV	252	6959	0.41%	0.046%
69	5.972	5.969	5.980	VV	208	1011	0.06%	0.007%
70	5.990	5.980	6.005	VV	170	1722	0.10%	0.011%
71	6.014	6.005	6.025	VV	159	1236	0.07%	0.008%
72	6.028	6.025	6.031	VV	155	408	0.02%	0.003%
73	6.039	6.031	6.043	VV	160	785	0.05%	0.005%
74	6.046	6.043	6.058	VV	177	903	0.05%	0.006%
75	6.065	6.058	6.072	VV	136	721	0.04%	0.005%
76	6.083	6.072	6.100	VV	139	1591	0.09%	0.011%
77	6.109	6.100	6.134	VV	158	2576	0.15%	0.017%
78	6.148	6.134	6.159	VV	143	1571	0.09%	0.010%
79	6.182	6.159	6.192	VV	234	2712	0.16%	0.018%
80	6.195	6.192	6.202	VV	227	1041	0.06%	0.007%
81	6.243	6.202	6.260	VV	484	10370	0.61%	0.069%
82	6.278	6.260	6.288	VV	499	6911	0.40%	0.046%
83	6.293	6.288	6.327	VV	473	10095	0.59%	0.067%
84	6.331	6.327	6.335	VV	466	2264	0.13%	0.015%
85	6.388	6.335	6.414	VV	756	24459	1.43%	0.163%
86	6.420	6.414	6.444	VV	416	6169	0.36%	0.041%
87	6.449	6.444	6.454	VV	376	2143	0.13%	0.014%
88	6.470	6.454	6.509	VV	395	10471	0.61%	0.070%
89	6.525	6.509	6.545	VV	529	8882	0.52%	0.059%

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90	6.562	6.545	6.585	VV	454	8330	0.49%	0.056%
91	6.598	6.585	6.605	VV	251	2491	0.15%	0.017%
92	6.610	6.605	6.620	VV	238	1743	0.10%	0.012%
93	6.625	6.620	6.649	VV	221	3027	0.18%	0.020%
94	6.677	6.649	6.697	VV	350	6577	0.38%	0.044%
95	6.702	6.697	6.732	VV	289	4391	0.26%	0.029%
96	6.752	6.732	6.764	VV	268	3889	0.23%	0.026%
97	6.776	6.764	6.780	VV	200	1902	0.11%	0.013%
98	6.805	6.780	6.814	VV	360	5530	0.32%	0.037%
99	6.817	6.814	6.827	VV	360	2542	0.15%	0.017%
100	6.831	6.827	6.857	VV	410	5416	0.32%	0.036%
101	6.862	6.857	6.885	VV	315	4211	0.25%	0.028%
102	6.891	6.885	6.899	VV	312	2098	0.12%	0.014%
103	6.903	6.899	6.914	VV	304	2318	0.14%	0.015%
104	6.919	6.914	6.935	VV	251	2662	0.16%	0.018%
105	6.943	6.935	6.946	VV	221	1316	0.08%	0.009%
106	6.962	6.946	7.000	VV	363	7421	0.43%	0.049%
107	7.007	7.000	7.047	VV	203	3415	0.20%	0.023%
108	7.050	7.047	7.058	VV	136	699	0.04%	0.005%
109	7.065	7.058	7.096	VV	162	2720	0.16%	0.018%
110	7.100	7.096	7.124	VV	138	1457	0.09%	0.010%
111	7.127	7.124	7.131	VV	108	299	0.02%	0.002%
112	7.145	7.131	7.149	VV	137	1062	0.06%	0.007%
113	7.154	7.149	7.162	VV	159	950	0.06%	0.006%
114	7.167	7.162	7.172	VV	136	722	0.04%	0.005%
115	7.216	7.172	7.219	VV	712	11538	0.67%	0.077%
116	7.222	7.219	7.235	VV	678	6770	0.40%	0.045%
117	7.239	7.235	7.305	VV	640	19571	1.14%	0.130%
118	7.313	7.305	7.329	VV	353	4305	0.25%	0.029%
119	7.332	7.329	7.345	VV	349	2840	0.17%	0.019%
120	7.365	7.345	7.422	VV	636	18593	1.09%	0.124%
121	7.461	7.422	7.477	VV	525	12375	0.72%	0.082%
122	7.496	7.477	7.570	VV	641	25176	1.47%	0.168%
123	7.575	7.570	7.594	VV	320	3702	0.22%	0.025%
124	7.598	7.594	7.609	VV	258	2242	0.13%	0.015%
125	7.627	7.609	7.644	VV	471	7235	0.42%	0.048%
126	7.649	7.644	7.669	VV	298	3112	0.18%	0.021%
127	7.674	7.669	7.682	VV	183	1024	0.06%	0.007%
128	7.699	7.682	7.735	VV	393	6767	0.39%	0.045%
129	7.762	7.735	7.796	VV	203	4865	0.28%	0.032%
130	7.800	7.796	7.827	VV	137	2113	0.12%	0.014%
131	7.830	7.827	7.839	VV	105	588	0.03%	0.004%
132	7.846	7.839	7.854	VV	116	713	0.04%	0.005%
133	7.859	7.854	7.871	VV	96	617	0.04%	0.004%
134	7.910	7.871	7.980	VV	5047	60919	3.56%	0.406%
135	7.988	7.980	7.997	VV	142	1155	0.07%	0.008%
136	8.001	7.997	8.004	VV	119	440	0.03%	0.003%
137	8.008	8.004	8.018	VV	144	971	0.06%	0.006%
138	8.023	8.018	8.032	VV	152	981	0.06%	0.007%
139	8.055	8.032	8.062	VV	438	4785	0.28%	0.032%
140	8.084	8.062	8.170	VV	6078	77707	4.53%	0.518%
141	8.177	8.170	8.189	VV	175	1361	0.08%	0.009%

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142	8.222	8.189	8.237	VV	288	5619	0.33%	0.037%
143	8.248	8.237	8.279	VV	311	5828	0.34%	0.039%
144	8.284	8.279	8.306	VV	212	3145	0.18%	0.021%
145	8.310	8.306	8.316	VV	190	953	0.06%	0.006%
146	8.338	8.316	8.364	VV	252	5227	0.31%	0.035%
147	8.368	8.364	8.392	VV	159	2270	0.13%	0.015%
148	8.415	8.392	8.431	VV	267	4603	0.27%	0.031%
149	8.435	8.431	8.455	VV	225	2619	0.15%	0.017%
150	8.481	8.455	8.500	VV	1549	20908	1.22%	0.139%
151	8.513	8.500	8.542	VV	716	10581	0.62%	0.070%
152	8.550	8.542	8.581	VV	196	2984	0.17%	0.020%
153	8.596	8.581	8.609	VV	303	3777	0.22%	0.025%
154	8.614	8.609	8.618	VV	284	1441	0.08%	0.010%
155	8.653	8.618	8.691	VV	501	13796	0.81%	0.092%
156	8.700	8.691	8.740	VV	203	3652	0.21%	0.024%
157	8.757	8.740	8.791	VV	195	3436	0.20%	0.023%
158	8.796	8.791	8.801	VV	99	433	0.03%	0.003%
159	8.807	8.801	8.812	VV	56	281	0.02%	0.002%
160	8.819	8.812	8.824	VV	79	476	0.03%	0.003%
161	8.842	8.824	8.859	VV	174	2713	0.16%	0.018%
162	8.874	8.859	8.894	VV	281	3573	0.21%	0.024%
163	8.897	8.894	8.912	VV	73	729	0.04%	0.005%
164	8.948	8.912	8.974	VV	490	7976	0.47%	0.053%
165	8.998	8.974	9.038	VV	636	13806	0.81%	0.092%
166	9.043	9.038	9.047	VV	277	1479	0.09%	0.010%
167	9.054	9.047	9.064	VV	291	2832	0.17%	0.019%
168	9.069	9.064	9.100	VV	277	4508	0.26%	0.030%
169	9.105	9.100	9.115	VV	278	1679	0.10%	0.011%
170	9.138	9.115	9.162	VV	398	6572	0.38%	0.044%
171	9.167	9.162	9.194	VV	222	2865	0.17%	0.019%
172	9.199	9.194	9.220	VV	167	1512	0.09%	0.010%
173	9.246	9.220	9.311	VV	2072	32211	1.88%	0.215%
174	9.319	9.311	9.326	VV	140	1086	0.06%	0.007%
175	9.344	9.326	9.370	VV	421	6837	0.40%	0.046%
176	9.394	9.370	9.440	VV	510	10280	0.60%	0.068%
177	9.444	9.440	9.452	VV	110	587	0.03%	0.004%
178	9.455	9.452	9.469	VV	122	675	0.04%	0.004%
179	9.486	9.469	9.492	VV	98	795	0.05%	0.005%
180	9.495	9.492	9.508	VV	115	837	0.05%	0.006%
181	9.533	9.508	9.561	VV	347	5560	0.32%	0.037%
182	9.585	9.561	9.594	VV	110	1280	0.07%	0.009%
183	9.621	9.594	9.635	VV	191	2929	0.17%	0.020%
184	9.639	9.635	9.661	VV	189	1420	0.08%	0.009%
185	9.702	9.661	9.714	PV	749	11999	0.70%	0.080%
186	9.732	9.714	9.762	VV	1098	20268	1.18%	0.135%
187	9.766	9.762	9.785	VV	375	3960	0.23%	0.026%
188	9.809	9.785	9.828	VV	444	8380	0.49%	0.056%
189	9.833	9.828	9.842	VV	273	1784	0.10%	0.012%
190	9.850	9.842	9.857	VV	253	1971	0.12%	0.013%
191	9.859	9.857	9.870	VV	229	1073	0.06%	0.007%
192	9.882	9.870	9.891	VV	209	1701	0.10%	0.011%
193	9.897	9.891	9.928	VV	141	1971	0.12%	0.013%
194	9.958	9.928	9.972	PV	1543	17688	1.03%	0.118%

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195	9.997	9.972	10.115	VV	87811	1549164	90.41%	10.321%
196	10.125	10.115	10.185	VV	3044	79133	4.62%	0.527%
197	10.192	10.185	10.218	VV	1237	20120	1.17%	0.134%
198	10.236	10.218	10.306	VV	1364	40705	2.38%	0.271%
199	10.310	10.306	10.328	VV	367	4278	0.25%	0.029%
200	10.335	10.328	10.385	VV	320	7942	0.46%	0.053%
201	10.387	10.385	10.391	VV	195	562	0.03%	0.004%
202	10.400	10.391	10.410	VV	211	1708	0.10%	0.011%
203	10.469	10.410	10.533	VV	18014	263743	15.39%	1.757%
204	10.544	10.533	10.562	VV	862	12997	0.76%	0.087%
205	10.573	10.562	10.628	VV	801	21004	1.23%	0.140%
206	10.646	10.628	10.670	VV	1146	15567	0.91%	0.104%
207	10.684	10.670	10.709	VV	428	7257	0.42%	0.048%
208	10.750	10.709	10.810	VV	1267	35261	2.06%	0.235%
209	10.852	10.810	10.859	VV	1112	24926	1.45%	0.166%
210	10.866	10.859	10.918	VV	1068	22111	1.29%	0.147%
211	10.931	10.918	10.964	VV	515	11719	0.68%	0.078%
212	10.968	10.964	10.987	VV	418	5116	0.30%	0.034%
213	10.992	10.987	10.995	VV	380	1729	0.10%	0.012%
214	11.000	10.995	11.038	VV	406	6788	0.40%	0.045%
215	11.052	11.038	11.060	VV	291	2866	0.17%	0.019%
216	11.063	11.060	11.075	VV	234	1563	0.09%	0.010%
217	11.093	11.075	11.125	VV	313	5741	0.34%	0.038%
218	11.163	11.125	11.226	VV	1648	54399	3.17%	0.362%
219	11.245	11.226	11.281	VV	669	15678	0.91%	0.104%
220	11.305	11.281	11.371	VV	510	15696	0.92%	0.105%
221	11.378	11.371	11.382	VV	197	968	0.06%	0.006%
222	11.404	11.382	11.429	VV	260	4521	0.26%	0.030%
223	11.451	11.429	11.456	VV	146	1486	0.09%	0.010%
224	11.460	11.456	11.476	VV	149	1014	0.06%	0.007%
225	11.482	11.476	11.491	VV	124	726	0.04%	0.005%
226	11.518	11.491	11.529	VV	211	3603	0.21%	0.024%
227	11.575	11.529	11.611	VV	834	15090	0.88%	0.101%
228	11.624	11.611	11.628	VV	178	1503	0.09%	0.010%
229	11.652	11.628	11.706	VV	3327	46466	2.71%	0.310%
230	11.733	11.706	11.755	VV	2371	32362	1.89%	0.216%
231	11.769	11.755	11.798	VV	1041	14029	0.82%	0.093%
232	11.854	11.798	11.914	PV	750	25535	1.49%	0.170%
233	11.921	11.914	11.938	VV	326	3817	0.22%	0.025%
234	11.964	11.938	11.968	VV	525	6629	0.39%	0.044%
235	11.997	11.968	12.036	VV	2700	56094	3.27%	0.374%
236	12.058	12.036	12.095	VV	2731	41264	2.41%	0.275%
237	12.098	12.095	12.118	VV	339	3601	0.21%	0.024%
238	12.130	12.118	12.144	VV	387	4249	0.25%	0.028%
239	12.149	12.144	12.157	VV	205	1112	0.06%	0.007%
240	12.185	12.157	12.199	VV	304	4272	0.25%	0.028%
241	12.203	12.199	12.207	VV	133	572	0.03%	0.004%
242	12.244	12.207	12.285	VV	753	18949	1.11%	0.126%
243	12.299	12.285	12.317	VV	643	7819	0.46%	0.052%
244	12.340	12.317	12.399	VV	2877	45115	2.63%	0.301%
245	12.404	12.399	12.417	VV	175	1112	0.06%	0.007%
246	12.454	12.417	12.475	PV	359	6536	0.38%	0.044%

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247	12.506	12.475	12.554	VV	28565	353744	20.64%	2.357%
248	12.569	12.554	12.583	VV	1178	17318	1.01%	0.115%
249	12.599	12.583	12.616	VV	1588	23770	1.39%	0.158%
250	12.622	12.616	12.644	VV	953	13419	0.78%	0.089%
251	12.649	12.644	12.653	VV	528	2838	0.17%	0.019%
252	12.673	12.653	12.691	VV	1112	18794	1.10%	0.125%
253	12.710	12.691	12.747	VV	1036	21485	1.25%	0.143%
254	12.752	12.747	12.782	VV	313	4769	0.28%	0.032%
255	12.814	12.782	12.848	VV	1423	26431	1.54%	0.176%
256	12.889	12.848	12.931	VV	1148	32823	1.92%	0.219%
257	12.965	12.931	13.059	VV	8835	178943	10.44%	1.192%
258	13.098	13.059	13.120	VV	559	9355	0.55%	0.062%
259	13.141	13.120	13.175	VV	484	8711	0.51%	0.058%
260	13.209	13.175	13.228	PV	329	5473	0.32%	0.036%
261	13.294	13.228	13.359	VV	23662	495901	28.94%	3.304%
262	13.376	13.359	13.401	VV	1225	24396	1.42%	0.163%
263	13.415	13.401	13.431	VV	883	13480	0.79%	0.090%
264	13.459	13.431	13.482	VV	1271	25215	1.47%	0.168%
265	13.503	13.482	13.524	VV	1682	26698	1.56%	0.178%
266	13.569	13.524	13.600	VV	1829	53951	3.15%	0.359%
267	13.632	13.600	13.660	VV	1361	30300	1.77%	0.202%
268	13.665	13.660	13.680	VV	759	7946	0.46%	0.053%
269	13.684	13.680	13.690	VV	730	3913	0.23%	0.026%
270	13.726	13.690	13.760	VV	3098	68524	4.00%	0.457%
271	13.783	13.760	13.798	VV	1167	19926	1.16%	0.133%
272	13.812	13.798	13.827	VV	955	13815	0.81%	0.092%
273	13.860	13.827	13.876	VV	1292	31378	1.83%	0.209%
274	13.913	13.876	13.957	VV	2092	73985	4.32%	0.493%
275	14.042	13.957	14.068	VV	2459	99431	5.80%	0.662%
276	14.091	14.068	14.111	VV	3133	52572	3.07%	0.350%
277	14.137	14.111	14.166	VV	1763	50423	2.94%	0.336%
278	14.208	14.166	14.236	VV	5266	105335	6.15%	0.702%
279	14.244	14.236	14.267	VV	1532	24845	1.45%	0.166%
280	14.273	14.267	14.278	VV	1254	7677	0.45%	0.051%
281	14.319	14.278	14.369	VV	2152	95944	5.60%	0.639%
282	14.390	14.369	14.413	VV	1984	48085	2.81%	0.320%
283	14.454	14.413	14.461	VV	2979	61296	3.58%	0.408%
284	14.487	14.461	14.555	VV	15874	373156	21.78%	2.486%
285	14.586	14.555	14.620	VV	3892	116660	6.81%	0.777%
286	14.655	14.620	14.685	VV	6112	151318	8.83%	1.008%
287	14.690	14.685	14.697	VV	3406	21925	1.28%	0.146%
288	14.703	14.697	14.708	VV	3343	22090	1.29%	0.147%
289	14.757	14.708	14.802	VV	9853	287083	16.75%	1.913%
290	14.810	14.802	14.833	VV	3683	64959	3.79%	0.433%
291	14.862	14.833	14.874	VV	3981	90407	5.28%	0.602%
292	14.893	14.874	14.915	VV	4141	97087	5.67%	0.647%
293	14.935	14.915	14.960	VV	4875	114145	6.66%	0.760%
294	14.995	14.960	15.027	VV	117690	1713526	100.00%	11.416%
295	15.046	15.027	15.080	VV	5383	153246	8.94%	1.021%
296	15.091	15.080	15.115	VV	4502	89866	5.24%	0.599%
297	15.124	15.115	15.139	VV	4189	56862	3.32%	0.379%
298	15.171	15.139	15.176	VV	5351	104405	6.09%	0.696%
299	15.198	15.176	15.235	VV	9126	237690	13.87%	1.584%

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300	15.238	15.235	15.240	VV	5616	16568	0.97%	0.110%
301	15.246	15.240	15.270	VV	5663	95067	5.55%	0.633%
302	15.275	15.270	15.312	VV	4950	113148	6.60%	0.754%
303	15.337	15.312	15.367	VV	5597	160475	9.37%	1.069%
304	15.392	15.367	15.424	VV	5163	156708	9.15%	1.044%
305	15.426	15.424	15.430	VV	4591	17950	1.05%	0.120%
306	15.453	15.430	15.485	VV	5161	156374	9.13%	1.042%
307	15.490	15.485	15.510	VV	4807	68200	3.98%	0.454%
308	15.533	15.510	15.549	VV	5055	110948	6.47%	0.739%
309	15.580	15.549	15.656	VV	59881	1318055	76.92%	8.781%
310	15.662	15.656	15.687	VV	5820	100942	5.89%	0.673%
311	15.718	15.687	15.759	VV	10031	321858	18.78%	2.144%
312	15.783	15.759	15.829	VV	6394	225877	13.18%	1.505%
313	15.849	15.829	15.879	VV	5564	146338	8.54%	0.975%
314	15.889	15.879	15.917	VV	4559	101177	5.90%	0.674%
315	15.922	15.917	15.932	VV	4370	38110	2.22%	0.254%
316	15.938	15.932	15.966	VV	4453	88472	5.16%	0.589%
317	15.978	15.966	15.994	VV	4836	73820	4.31%	0.492%
318	16.031	15.994	16.036	VV	5202	126328	7.37%	0.842%
319	16.043	16.036	16.075	VV	5312	112499	6.57%	0.750%
320	16.107	16.075	16.154	VV	5715	216894	12.66%	1.445%
321	16.157	16.154	16.166	VV	4071	29764	1.74%	0.198%
322	16.184	16.166	16.194	VV	4233	67000	3.91%	0.446%
323	16.221	16.194	16.329	VV	8233	356299	20.79%	2.374%
324	16.344	16.329	16.350	VV	3262	41622	2.43%	0.277%
325	16.354	16.350	16.384	VV	3406	63846	3.73%	0.425%
326	16.408	16.384	16.438	VV	3401	104657	6.11%	0.697%
327	16.447	16.438	16.454	VV	3120	27512	1.61%	0.183%
328	16.460	16.454	16.466	VV	3171	22059	1.29%	0.147%
329	16.470	16.466	16.486	VV	2968	35185	2.05%	0.234%
330	16.514	16.486	16.527	VV	3653	77580	4.53%	0.517%
331	16.535	16.527	16.554	VV	3626	55802	3.26%	0.372%
332	16.557	16.554	16.566	VV	3243	21923	1.28%	0.146%
333	16.601	16.566	16.647	VV	7819	226916	13.24%	1.512%
334	16.660	16.647	16.680	VV	3064	55449	3.24%	0.369%
335	16.704	16.680	16.727	VV	6453	118143	6.89%	0.787%
336	16.744	16.727	16.767	VV	3031	67968	3.97%	0.453%
337	16.782	16.767	16.829	VV	3394	98116	5.73%	0.654%
338	16.834	16.829	16.838	VV	1844	9188	0.54%	0.061%
339	16.844	16.838	16.853	VV	2027	17446	1.02%	0.116%
340	16.865	16.853	16.899	VV	1962	48575	2.83%	0.324%
341	16.904	16.899	16.948	VV	1784	44324	2.59%	0.295%
342	16.988	16.948	17.035	VV	2404	96845	5.65%	0.645%
343	17.060	17.035	17.107	VV	1984	66573	3.89%	0.444%
344	17.136	17.107	17.150	VV	1850	37816	2.21%	0.252%
345	17.173	17.150	17.203	VV	4848	86359	5.04%	0.575%
346	17.220	17.203	17.240	VV	1296	22830	1.33%	0.152%
347	17.249	17.240	17.284	VV	1043	17517	1.02%	0.117%
348	17.290	17.284	17.307	VV	406	4614	0.27%	0.031%
349	17.314	17.307	17.322	VV	203	1445	0.08%	0.010%
350	17.326	17.322	17.347	VV	225	2400	0.14%	0.016%
351	17.351	17.347	17.364	VV	283	1356	0.08%	0.009%

rteres
Sum of corrected areas: 15009533

FG042425.M Wed May 14 05:38:10 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051325\
Data File : FG015832.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 20:18
Operator : YP\AJ
Sample : Q1982-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-2B

Integration File: autoint1.e
Quant Time: May 14 03:56:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG042425.M
Quant Title :
QLast Update : Thu Apr 24 12:54:09 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...	14.993	1272783	10.810 ug/ml
Target Compounds			

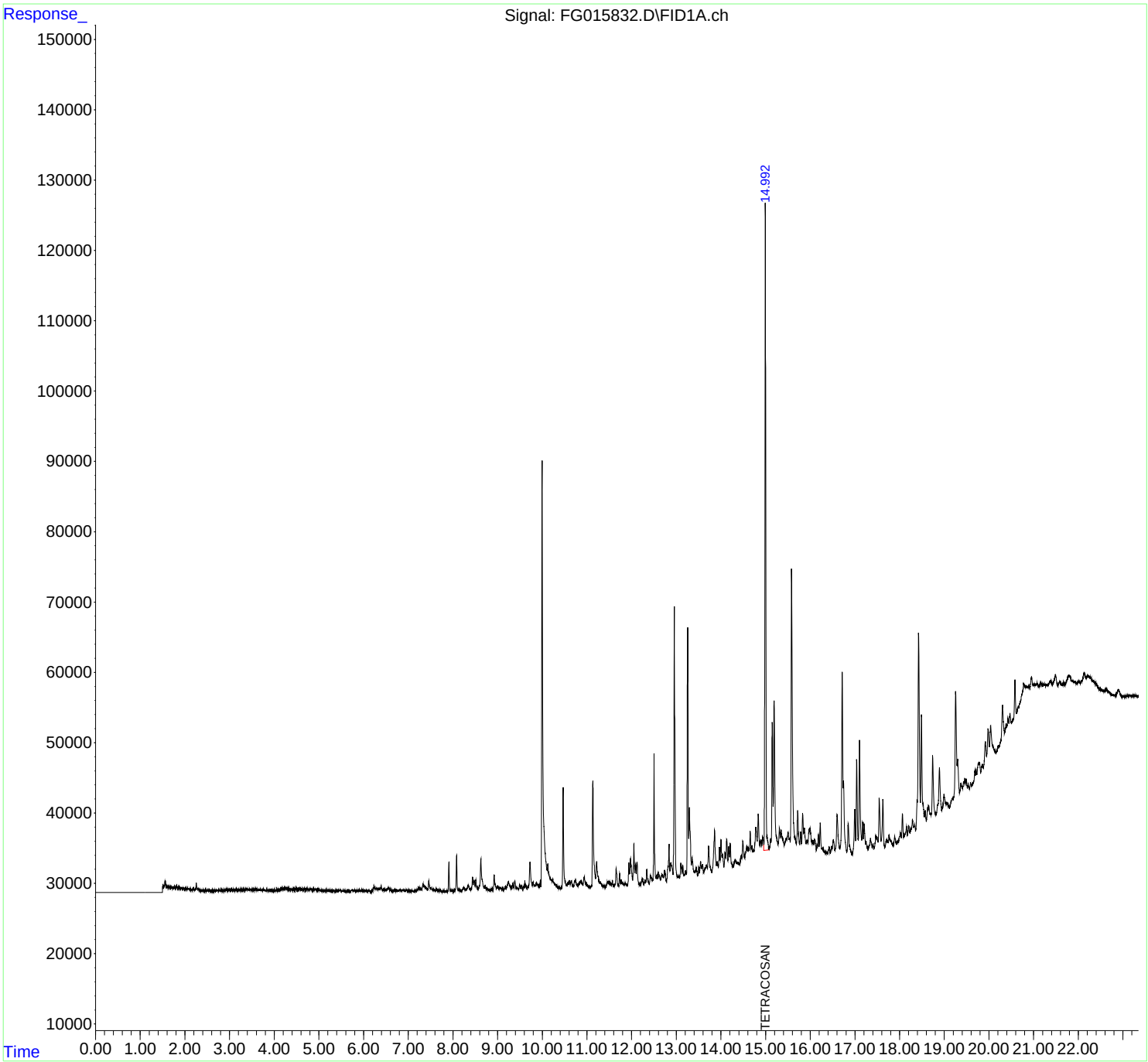
(f)=RT Delta > 1/2 Window (m)=manual int.

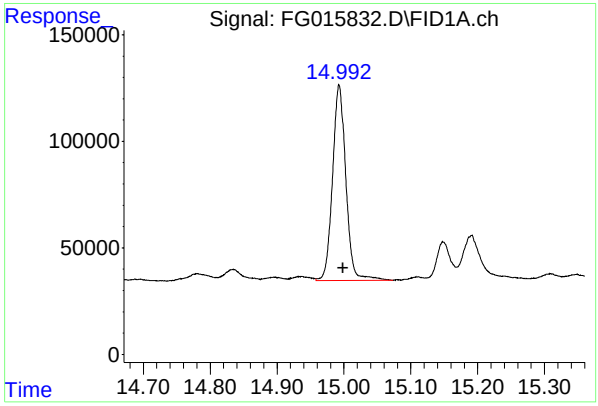
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051325\
Data File : FG015832.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 20:18
Operator : YP\AJ
Sample : Q1982-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-2B

Integration File: autoint1.e
Quant Time: May 14 03:56:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG042425.M
Quant Title :
QLast Update : Thu Apr 24 12:54:09 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.: 14.993 min
Delta R.T.: -0.006 mi
Response: 1272783
Conc: 10.81 ug/m

Instrument :
FID_G
ClientSampleId :
TP-2B

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051325\
Data File : FG015832.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 20:18
Sample : Q1982-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG042425.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.326	4.300	4.353	BV	162	1526	0.10%	0.010%
2	4.356	4.353	4.360	PV	84	134	0.01%	0.001%
3	4.367	4.360	4.374	PV	139	483	0.03%	0.003%
4	4.379	4.374	4.400	VV	102	828	0.06%	0.005%
5	4.405	4.400	4.443	VV	69	1091	0.07%	0.007%
6	4.471	4.443	4.485	PV	151	2205	0.15%	0.014%
7	4.496	4.485	4.514	VV	271	2951	0.20%	0.019%
8	4.532	4.514	4.537	VV	162	1672	0.11%	0.011%
9	4.541	4.537	4.551	VV	168	1124	0.08%	0.007%
10	4.573	4.551	4.597	VV	224	3736	0.26%	0.024%
11	4.622	4.597	4.648	PV	294	5015	0.34%	0.033%
12	4.672	4.648	4.704	VV	313	6100	0.42%	0.040%
13	4.743	4.704	4.760	VV	322	7284	0.50%	0.048%
14	4.763	4.760	4.771	VV	174	1235	0.08%	0.008%
15	4.777	4.771	4.782	VV	238	1162	0.08%	0.008%
16	4.803	4.782	4.807	VV	241	2787	0.19%	0.018%
17	4.811	4.807	4.816	VV	184	993	0.07%	0.006%
18	4.826	4.816	4.834	VV	227	2151	0.15%	0.014%
19	4.838	4.834	4.844	VV	199	1144	0.08%	0.007%
20	4.848	4.844	4.860	VV	188	1752	0.12%	0.011%
21	4.862	4.860	4.873	VV	201	1376	0.09%	0.009%
22	4.884	4.873	4.906	VV	249	3331	0.23%	0.022%
23	4.910	4.906	4.914	VV	218	859	0.06%	0.006%
24	4.926	4.914	4.951	VV	263	4076	0.28%	0.027%
25	4.955	4.951	4.983	VV	238	3106	0.21%	0.020%
26	5.001	4.983	5.057	VV	219	5710	0.39%	0.037%
27	5.065	5.057	5.101	VV	147	2422	0.17%	0.016%
28	5.110	5.101	5.117	VV	119	798	0.05%	0.005%
29	5.123	5.117	5.130	VV	111	735	0.05%	0.005%
30	5.137	5.130	5.150	VV	135	1302	0.09%	0.009%
31	5.159	5.150	5.185	VV	212	2464	0.17%	0.016%
32	5.191	5.185	5.197	VV	94	444	0.03%	0.003%
33	5.201	5.197	5.214	VV	93	605	0.04%	0.004%
34	5.218	5.214	5.232	VV	117	673	0.05%	0.004%
35	5.244	5.232	5.274	VV	120	1842	0.13%	0.012%
36	5.285	5.274	5.370	VV	152	5528	0.38%	0.036%

rteres

37	5.375	5.370	5.384	PV	106	597	0.04%	0.004%
38	5.392	5.384	5.404	VV	106	940	0.06%	0.006%
39	5.410	5.404	5.427	VV	127	933	0.06%	0.006%
40	5.432	5.427	5.441	VV	197	569	0.04%	0.004%
41	5.458	5.441	5.471	VV	188	2305	0.16%	0.015%
42	5.476	5.471	5.513	VV	200	3542	0.24%	0.023%
43	5.518	5.513	5.527	VV	77	644	0.04%	0.004%
44	5.531	5.527	5.564	VV	83	1668	0.11%	0.011%
45	5.592	5.564	5.610	VV	145	1713	0.12%	0.011%
46	5.638	5.610	5.650	VV	100	1265	0.09%	0.008%
47	5.657	5.650	5.685	VV	152	1031	0.07%	0.007%
48	5.694	5.685	5.700	PV	74	339	0.02%	0.002%
49	5.706	5.700	5.715	PV	108	652	0.04%	0.004%
50	5.735	5.715	5.742	VV	269	2753	0.19%	0.018%
51	5.754	5.742	5.759	VV	245	2219	0.15%	0.014%
52	5.762	5.759	5.776	VV	257	1874	0.13%	0.012%
53	5.781	5.776	5.792	VV	192	1624	0.11%	0.011%
54	5.797	5.792	5.829	VV	204	3303	0.23%	0.022%
55	5.834	5.829	5.851	VV	197	2046	0.14%	0.013%
56	5.868	5.851	5.882	VV	183	2651	0.18%	0.017%
57	5.887	5.882	5.894	VV	184	1152	0.08%	0.008%
58	5.896	5.894	5.906	VV	216	1104	0.08%	0.007%
59	5.919	5.906	5.955	VV	206	4864	0.33%	0.032%
60	5.964	5.955	5.969	VV	258	1761	0.12%	0.011%
61	5.984	5.969	6.009	VV	245	4219	0.29%	0.028%
62	6.030	6.009	6.043	VV	172	2495	0.17%	0.016%
63	6.058	6.043	6.084	VV	247	3577	0.25%	0.023%
64	6.088	6.084	6.096	VV	109	596	0.04%	0.004%
65	6.112	6.096	6.124	VV	202	2063	0.14%	0.013%
66	6.131	6.124	6.166	VV	164	2018	0.14%	0.013%
67	6.188	6.166	6.197	VV	152	1875	0.13%	0.012%
68	6.236	6.197	6.260	VV	761	17611	1.21%	0.115%
69	6.281	6.260	6.288	VV	508	7743	0.53%	0.051%
70	6.296	6.288	6.328	VV	499	10547	0.72%	0.069%
71	6.331	6.328	6.355	VV	416	6623	0.45%	0.043%
72	6.366	6.355	6.373	VV	457	4261	0.29%	0.028%
73	6.393	6.373	6.432	VV	722	16041	1.10%	0.105%
74	6.437	6.432	6.440	VV	287	1336	0.09%	0.009%
75	6.444	6.440	6.459	VV	335	3159	0.22%	0.021%
76	6.473	6.459	6.484	VV	332	4246	0.29%	0.028%
77	6.487	6.484	6.506	VV	304	3382	0.23%	0.022%
78	6.521	6.506	6.528	VV	351	3815	0.26%	0.025%
79	6.551	6.528	6.592	VV	534	15680	1.08%	0.102%
80	6.597	6.592	6.614	VV	229	2589	0.18%	0.017%
81	6.626	6.614	6.660	VV	250	4462	0.31%	0.029%
82	6.664	6.660	6.669	VV	213	792	0.05%	0.005%
83	6.683	6.669	6.695	VV	291	3251	0.22%	0.021%
84	6.700	6.695	6.716	VV	165	1652	0.11%	0.011%
85	6.721	6.716	6.723	VV	168	626	0.04%	0.004%
86	6.727	6.723	6.735	VV	310	1195	0.08%	0.008%
87	6.740	6.735	6.764	VV	225	2845	0.20%	0.019%
88	6.769	6.764	6.785	VV	172	1789	0.12%	0.012%
89	6.798	6.785	6.825	VV	275	5053	0.35%	0.033%

rteres

90	6.829	6.825	6.857	VV	248	4124	0.28%	0.027%
91	6.866	6.857	6.892	VV	233	4333	0.30%	0.028%
92	6.904	6.892	6.917	VV	280	2963	0.20%	0.019%
93	6.920	6.917	6.952	VV	240	3507	0.24%	0.023%
94	6.961	6.952	7.001	VV	317	5350	0.37%	0.035%
95	7.014	7.001	7.049	VV	176	3475	0.24%	0.023%
96	7.058	7.049	7.067	VV	135	878	0.06%	0.006%
97	7.083	7.067	7.087	VV	171	1153	0.08%	0.008%
98	7.094	7.087	7.104	VV	172	1226	0.08%	0.008%
99	7.115	7.104	7.121	VV	100	649	0.04%	0.004%
100	7.151	7.121	7.156	VV	171	1644	0.11%	0.011%
101	7.160	7.156	7.162	VV	97	286	0.02%	0.002%
102	7.167	7.162	7.182	VV	117	1054	0.07%	0.007%
103	7.188	7.182	7.197	VV	187	1526	0.10%	0.010%
104	7.253	7.197	7.295	VV	576	25719	1.77%	0.168%
105	7.331	7.295	7.354	VV	1126	26277	1.80%	0.172%
106	7.362	7.354	7.437	VV	862	26933	1.85%	0.176%
107	7.460	7.437	7.534	VV	1567	41440	2.84%	0.271%
108	7.541	7.534	7.601	VV	387	11913	0.82%	0.078%
109	7.628	7.601	7.672	VV	427	10783	0.74%	0.070%
110	7.701	7.672	7.767	VV	353	8957	0.61%	0.058%
111	7.772	7.767	7.789	VV	125	1055	0.07%	0.007%
112	7.794	7.789	7.839	VV	133	2649	0.18%	0.017%
113	7.867	7.839	7.880	VV	145	1553	0.11%	0.010%
114	7.911	7.880	7.980	PV	4201	51125	3.51%	0.334%
115	7.993	7.980	8.002	VV	110	1056	0.07%	0.007%
116	8.009	8.002	8.020	VV	142	778	0.05%	0.005%
117	8.084	8.020	8.152	VV	5169	72255	4.96%	0.472%
118	8.160	8.152	8.186	VV	153	2680	0.18%	0.017%
119	8.232	8.186	8.280	VV	546	18437	1.27%	0.120%
120	8.299	8.280	8.309	VV	326	4708	0.32%	0.031%
121	8.343	8.309	8.398	VV	865	26839	1.84%	0.175%
122	8.441	8.398	8.458	VV	1943	31804	2.18%	0.208%
123	8.475	8.458	8.499	VV	1547	28787	1.98%	0.188%
124	8.513	8.499	8.571	VV	1597	31534	2.16%	0.206%
125	8.626	8.571	8.704	VV	4566	116362	7.99%	0.760%
126	8.719	8.704	8.787	VV	740	19143	1.31%	0.125%
127	8.807	8.787	8.822	VV	161	2149	0.15%	0.014%
128	8.847	8.822	8.858	VV	167	2362	0.16%	0.015%
129	8.875	8.858	8.897	VV	212	3973	0.27%	0.026%
130	8.925	8.897	8.975	VV	2180	41460	2.85%	0.271%
131	8.997	8.975	9.041	VV	653	17095	1.17%	0.112%
132	9.059	9.041	9.138	VV	402	13210	0.91%	0.086%
133	9.171	9.138	9.195	VV	508	9687	0.66%	0.063%
134	9.244	9.195	9.322	VV	1206	47602	3.27%	0.311%
135	9.343	9.322	9.369	VV	1019	15365	1.05%	0.100%
136	9.388	9.369	9.416	VV	1270	20988	1.44%	0.137%
137	9.433	9.416	9.470	VV	290	7320	0.50%	0.048%
138	9.496	9.470	9.519	VV	784	11982	0.82%	0.078%
139	9.535	9.519	9.564	VV	621	9682	0.66%	0.063%
140	9.589	9.564	9.605	VV	456	7874	0.54%	0.051%
141	9.611	9.605	9.617	VV	791	3127	0.21%	0.020%

rteres

142	9.633	9.617	9.660	VV	668	11061	0.76%	0.072%
143	9.680	9.660	9.692	VV	554	6730	0.46%	0.044%
144	9.727	9.692	9.780	VV	3909	89882	6.17%	0.587%
145	9.796	9.780	9.830	VV	1025	21872	1.50%	0.143%
146	9.842	9.830	9.857	VV	608	8939	0.61%	0.058%
147	9.872	9.857	9.914	VV	1016	23460	1.61%	0.153%
148	9.927	9.914	9.940	VV	549	7755	0.53%	0.051%
149	9.959	9.940	9.972	VV	1352	16138	1.11%	0.105%
150	9.998	9.972	10.109	VV	60104	1129639	77.53%	7.375%
151	10.125	10.109	10.219	VV	3606	130493	8.96%	0.852%
152	10.236	10.219	10.287	VV	1418	39522	2.71%	0.258%
153	10.296	10.287	10.389	VV	620	19313	1.33%	0.126%
154	10.396	10.389	10.407	VV	134	961	0.07%	0.006%
155	10.423	10.407	10.440	VV	146	1565	0.11%	0.010%
156	10.470	10.440	10.556	VV	14407	214440	14.72%	1.400%
157	10.575	10.556	10.588	VV	877	14017	0.96%	0.092%
158	10.612	10.588	10.632	VV	1101	22608	1.55%	0.148%
159	10.649	10.632	10.701	VV	1066	25930	1.78%	0.169%
160	10.746	10.701	10.773	VV	1130	33984	2.33%	0.222%
161	10.787	10.773	10.810	VV	577	10603	0.73%	0.069%
162	10.867	10.810	10.910	VV	1049	45089	3.09%	0.294%
163	10.942	10.910	11.032	VV	1575	51102	3.51%	0.334%
164	11.034	11.032	11.060	VV	236	3444	0.24%	0.022%
165	11.065	11.060	11.083	VV	261	2626	0.18%	0.017%
166	11.133	11.083	11.194	VV	15147	280300	19.24%	1.830%
167	11.219	11.194	11.287	VV	3711	105935	7.27%	0.692%
168	11.300	11.287	11.369	VV	756	21839	1.50%	0.143%
169	11.384	11.369	11.422	VV	186	3764	0.26%	0.025%
170	11.460	11.422	11.515	PV	790	31139	2.14%	0.203%
171	11.529	11.515	11.550	VV	512	9786	0.67%	0.064%
172	11.572	11.550	11.599	VV	919	14143	0.97%	0.092%
173	11.655	11.599	11.710	VV	2594	55626	3.82%	0.363%
174	11.733	11.710	11.754	VV	1858	23883	1.64%	0.156%
175	11.769	11.754	11.785	VV	973	12414	0.85%	0.081%
176	11.798	11.785	11.838	VV	506	12096	0.83%	0.079%
177	11.862	11.838	11.912	VV	456	9559	0.66%	0.062%
178	11.940	11.912	11.955	VV	3252	44712	3.07%	0.292%
179	11.974	11.955	12.025	VV	3810	98657	6.77%	0.644%
180	12.052	12.025	12.074	VV	5915	93113	6.39%	0.608%
181	12.087	12.074	12.104	VV	2987	42174	2.89%	0.275%
182	12.121	12.104	12.174	VV	3254	59356	4.07%	0.388%
183	12.182	12.174	12.203	VV	214	2062	0.14%	0.013%
184	12.244	12.203	12.267	PV	930	16905	1.16%	0.110%
185	12.302	12.267	12.317	VV	606	9892	0.68%	0.065%
186	12.341	12.317	12.395	VV	2130	37692	2.59%	0.246%
187	12.421	12.395	12.465	PV	1272	31636	2.17%	0.207%
188	12.503	12.465	12.547	VV	18472	227860	15.64%	1.488%
189	12.567	12.547	12.584	VV	1100	19704	1.35%	0.129%
190	12.598	12.584	12.649	VV	1524	35790	2.46%	0.234%
191	12.685	12.649	12.713	VV	1040	32393	2.22%	0.211%
192	12.733	12.713	12.787	VV	1661	37264	2.56%	0.243%
193	12.838	12.787	12.859	VV	5275	105128	7.21%	0.686%
194	12.879	12.859	12.928	VV	2564	79701	5.47%	0.520%

rteres

195	12.956	12.928	13.047	VV	38854	610960	41.93%	3.989%
196	13.057	13.047	13.077	VV	512	7453	0.51%	0.049%
197	13.102	13.077	13.129	VV	2327	44100	3.03%	0.288%
198	13.146	13.129	13.170	VV	1976	30528	2.10%	0.199%
199	13.209	13.170	13.229	VV	1113	27390	1.88%	0.179%
200	13.254	13.229	13.279	VV	35642	480463	32.97%	3.137%
201	13.294	13.279	13.340	VV	10072	219548	15.07%	1.433%
202	13.355	13.340	13.419	VV	2887	73956	5.08%	0.483%
203	13.448	13.419	13.482	VV	1362	32863	2.26%	0.215%
204	13.501	13.482	13.517	VV	1393	17954	1.23%	0.117%
205	13.545	13.517	13.575	VV	2203	49857	3.42%	0.326%
206	13.589	13.575	13.615	VV	1758	27024	1.85%	0.176%
207	13.677	13.615	13.700	VV	1582	56471	3.88%	0.369%
208	13.724	13.700	13.797	VV	4149	101781	6.99%	0.665%
209	13.857	13.797	13.897	VV	6369	167256	11.48%	1.092%
210	13.913	13.897	13.942	VV	1819	39609	2.72%	0.259%
211	13.965	13.942	13.984	VV	3796	60101	4.12%	0.392%
212	14.002	13.984	14.027	VV	4810	86116	5.91%	0.562%
213	14.038	14.027	14.065	VV	2709	44145	3.03%	0.288%
214	14.090	14.065	14.107	VV	2927	53326	3.66%	0.348%
215	14.129	14.107	14.153	VV	4807	90813	6.23%	0.593%
216	14.173	14.153	14.194	VV	3670	68388	4.69%	0.447%
217	14.208	14.194	14.271	VV	4111	85191	5.85%	0.556%
218	14.323	14.271	14.377	VV	1679	80003	5.49%	0.522%
219	14.385	14.377	14.425	VV	1276	31501	2.16%	0.206%
220	14.452	14.425	14.464	VV	2105	38723	2.66%	0.253%
221	14.489	14.464	14.537	VV	4182	120473	8.27%	0.787%
222	14.587	14.537	14.604	VV	3341	111974	7.68%	0.731%
223	14.620	14.604	14.632	VV	3063	47126	3.23%	0.308%
224	14.654	14.632	14.679	VV	5365	107493	7.38%	0.702%
225	14.693	14.679	14.737	VV	3260	98647	6.77%	0.644%
226	14.781	14.737	14.812	VV	5920	190071	13.04%	1.241%
227	14.834	14.812	14.875	VV	7712	194302	13.33%	1.269%
228	14.895	14.875	14.915	VV	4048	85437	5.86%	0.558%
229	14.935	14.915	14.959	VV	4321	101053	6.94%	0.660%
230	14.993	14.959	15.085	VV	94011	1457087	100.00%	9.513%
231	15.110	15.085	15.122	VV	3955	74184	5.09%	0.484%
232	15.149	15.122	15.168	VV	20258	323188	22.18%	2.110%
233	15.190	15.168	15.279	VV	23394	577846	39.66%	3.773%
234	15.309	15.279	15.329	VV	5323	125627	8.62%	0.820%
235	15.347	15.329	15.414	VV	4902	194751	13.37%	1.272%
236	15.456	15.414	15.464	VV	3677	96928	6.65%	0.633%
237	15.500	15.464	15.549	VV	4471	190999	13.11%	1.247%
238	15.579	15.549	15.692	VV	41620	966518	66.33%	6.310%
239	15.717	15.692	15.760	VV	7123	184509	12.66%	1.205%
240	15.784	15.760	15.805	VV	4312	90068	6.18%	0.588%
241	15.828	15.805	15.855	VV	6850	149811	10.28%	0.978%
242	15.867	15.855	15.900	VV	4703	101445	6.96%	0.662%
243	15.934	15.900	15.949	VV	2921	79126	5.43%	0.517%
244	15.990	15.949	16.044	VV	4576	207528	14.24%	1.355%
245	16.059	16.044	16.078	VV	2768	51710	3.55%	0.338%
246	16.104	16.078	16.140	VV	2905	85213	5.85%	0.556%

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247	16.182	16.140	16.200	VV	3554	84911	5.83%	0.554%
248	16.221	16.200	16.277	VV	5139	117706	8.08%	0.768%
249	16.282	16.277	16.350	VV	1549	46923	3.22%	0.306%
250	16.359	16.350	16.380	VV	919	14222	0.98%	0.093%
251	16.423	16.380	16.450	VV	1471	44689	3.07%	0.292%
252	16.476	16.450	16.494	VV	1596	31594	2.17%	0.206%
253	16.516	16.494	16.554	VV	2508	63172	4.34%	0.412%
254	16.600	16.554	16.662	VV	5918	179602	12.33%	1.173%
255	16.713	16.662	16.817	VV	25763	647761	44.46%	4.229%
256	16.849	16.817	16.935	VV	4414	101026	6.93%	0.660%
257	16.994	16.935	17.014	PV	6187	108942	7.48%	0.711%
258	17.038	17.014	17.075	VV	13309	217877	14.95%	1.423%
259	17.102	17.075	17.150	VV	15833	287710	19.75%	1.878%
260	17.171	17.150	17.189	VV	4077	63893	4.39%	0.417%
261	17.205	17.189	17.235	VV	3691	67336	4.62%	0.440%
262	17.249	17.235	17.277	VV	1175	16077	1.10%	0.105%
263	17.285	17.277	17.304	VV	192	2074	0.14%	0.014%
264	17.346	17.304	17.385	VV	1370	29961	2.06%	0.196%
			Sum of corrected areas:			15316373		

FG042425.M Wed May 14 05:39:00 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051325\
Data File : FG015833.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 20:47
Operator : YP\AJ
Sample : Q1982-03
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-3

Integration File: autoint1.e
Quant Time: May 14 03:56:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG042425.M
Quant Title :
QLast Update : Thu Apr 24 12:54:09 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...	14.993	1198220	10.177 ug/ml
Target Compounds			

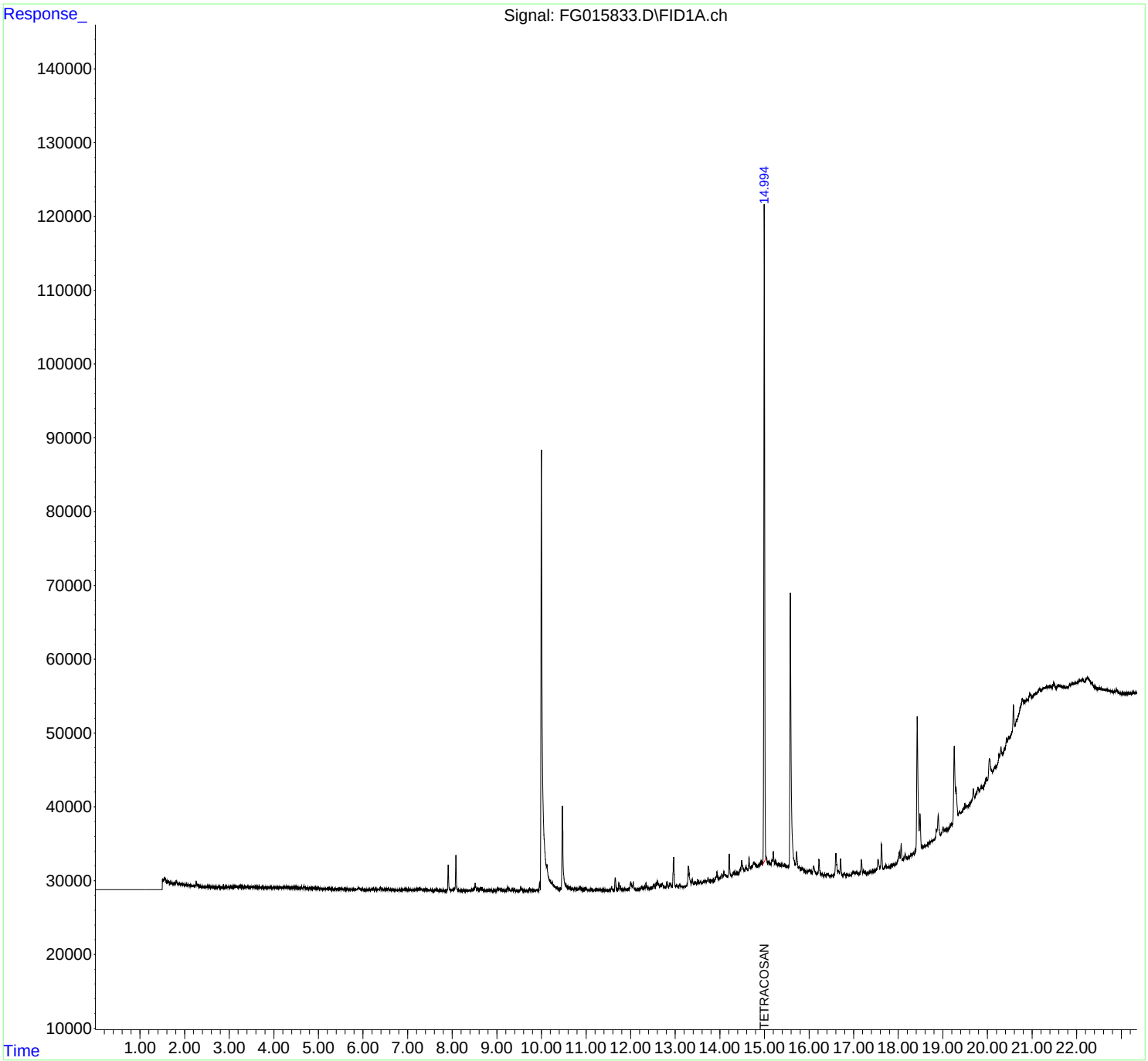
(f)=RT Delta > 1/2 Window (m)=manual int.

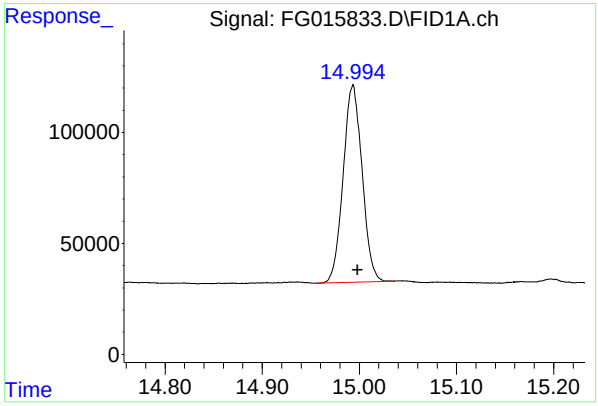
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051325\
Data File : FG015833.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 20:47
Operator : YP\AJ
Sample : Q1982-03
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-3

Integration File: autoint1.e
Quant Time: May 14 03:56:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG042425.M
Quant Title :
QLast Update : Thu Apr 24 12:54:09 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.: 14.993 min
Delta R.T.: -0.005 mi
Response: 1198220
Conc: 10.18 ug/m

Instrument :
FID_G
ClientSampleId :
TP-3

11

A B C D E F G H I J

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051325\
Data File : FG015833.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 20:47
Sample : Q1982-03
Misc :
ALS Vial : 32 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG042425.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.311	4.300	4.317	BV	158	572	0.04%	0.007%
2	4.323	4.317	4.348	VV	160	1757	0.13%	0.022%
3	4.354	4.348	4.365	PV	129	773	0.06%	0.010%
4	4.371	4.365	4.377	VV	122	561	0.04%	0.007%
5	4.381	4.377	4.400	VV	141	1156	0.09%	0.015%
6	4.405	4.400	4.414	VV	90	500	0.04%	0.006%
7	4.424	4.414	4.438	VV	135	1448	0.11%	0.019%
8	4.442	4.438	4.471	VV	180	2081	0.16%	0.027%
9	4.499	4.471	4.509	VV	304	3810	0.29%	0.049%
10	4.511	4.509	4.523	VV	149	1070	0.08%	0.014%
11	4.526	4.523	4.530	VV	155	551	0.04%	0.007%
12	4.534	4.530	4.538	VV	143	484	0.04%	0.006%
13	4.545	4.538	4.559	VV	161	1506	0.11%	0.019%
14	4.567	4.559	4.582	VV	143	1520	0.12%	0.019%
15	4.588	4.582	4.603	VV	117	1206	0.09%	0.015%
16	4.623	4.603	4.646	VV	291	4015	0.30%	0.051%
17	4.672	4.646	4.711	PV	382	7490	0.57%	0.096%
18	4.718	4.711	4.723	VV	165	1013	0.08%	0.013%
19	4.735	4.723	4.739	VV	169	1250	0.09%	0.016%
20	4.743	4.739	4.748	VV	141	714	0.05%	0.009%
21	4.764	4.748	4.798	VV	172	3442	0.26%	0.044%
22	4.803	4.798	4.807	VV	150	644	0.05%	0.008%
23	4.812	4.807	4.821	VV	149	993	0.08%	0.013%
24	4.832	4.821	4.843	VV	246	1779	0.13%	0.023%
25	4.846	4.843	4.851	VV	167	723	0.05%	0.009%
26	4.855	4.851	4.860	VV	201	772	0.06%	0.010%
27	4.877	4.860	4.883	VV	204	1943	0.15%	0.025%
28	4.885	4.883	4.916	VV	199	2892	0.22%	0.037%
29	4.920	4.916	4.949	VV	260	3337	0.25%	0.043%
30	4.954	4.949	4.966	VV	194	1467	0.11%	0.019%
31	4.972	4.966	4.980	VV	176	1311	0.10%	0.017%
32	4.985	4.980	5.001	VV	202	1618	0.12%	0.021%
33	5.007	5.001	5.025	VV	191	1763	0.13%	0.023%
34	5.029	5.025	5.035	VV	159	677	0.05%	0.009%
35	5.039	5.035	5.049	VV	157	1091	0.08%	0.014%
36	5.054	5.049	5.059	VV	156	719	0.05%	0.009%

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37	5.066	5.059	5.089	VV	150	1756	0.13%	0.022%
38	5.096	5.089	5.102	VV	166	730	0.06%	0.009%
39	5.106	5.102	5.113	VV	100	400	0.03%	0.005%
40	5.116	5.113	5.130	VV	141	714	0.05%	0.009%
41	5.136	5.130	5.146	VV	119	731	0.06%	0.009%
42	5.163	5.146	5.174	VV	193	2372	0.18%	0.030%
43	5.181	5.174	5.193	VV	131	1117	0.08%	0.014%
44	5.208	5.193	5.224	VV	158	1647	0.12%	0.021%
45	5.232	5.224	5.240	VV	115	699	0.05%	0.009%
46	5.249	5.240	5.266	VV	166	1373	0.10%	0.018%
47	5.272	5.266	5.280	VV	138	719	0.05%	0.009%
48	5.286	5.280	5.292	VV	154	656	0.05%	0.008%
49	5.294	5.292	5.305	VV	171	804	0.06%	0.010%
50	5.307	5.305	5.331	VV	172	1284	0.10%	0.016%
51	5.344	5.331	5.357	VV	155	1282	0.10%	0.016%
52	5.360	5.357	5.366	VV	125	509	0.04%	0.007%
53	5.377	5.366	5.396	VV	140	1674	0.13%	0.021%
54	5.399	5.396	5.415	VV	209	945	0.07%	0.012%
55	5.422	5.415	5.433	PV	123	922	0.07%	0.012%
56	5.437	5.433	5.449	VV	126	932	0.07%	0.012%
57	5.459	5.449	5.463	VV	154	931	0.07%	0.012%
58	5.478	5.463	5.488	VV	255	2405	0.18%	0.031%
59	5.493	5.488	5.497	VV	210	798	0.06%	0.010%
60	5.501	5.497	5.511	VV	139	933	0.07%	0.012%
61	5.515	5.511	5.530	VV	132	1125	0.09%	0.014%
62	5.534	5.530	5.561	VV	152	1640	0.12%	0.021%
63	5.566	5.561	5.586	VV	120	1082	0.08%	0.014%
64	5.596	5.586	5.610	VV	136	1170	0.09%	0.015%
65	5.613	5.610	5.619	VV	79	345	0.03%	0.004%
66	5.632	5.619	5.638	VV	195	1024	0.08%	0.013%
67	5.644	5.638	5.675	VV	124	1710	0.13%	0.022%
68	5.680	5.675	5.693	PV	91	825	0.06%	0.011%
69	5.697	5.693	5.701	VV	69	336	0.03%	0.004%
70	5.710	5.701	5.718	VV	140	763	0.06%	0.010%
71	5.725	5.718	5.735	VV	119	881	0.07%	0.011%
72	5.741	5.735	5.746	VV	156	552	0.04%	0.007%
73	5.757	5.746	5.770	VV	132	1365	0.10%	0.017%
74	5.775	5.770	5.785	VV	95	793	0.06%	0.010%
75	5.792	5.785	5.796	VV	142	733	0.06%	0.009%
76	5.810	5.796	5.819	VV	151	1410	0.11%	0.018%
77	5.834	5.819	5.853	VV	172	2445	0.19%	0.031%
78	5.856	5.853	5.859	VV	111	364	0.03%	0.005%
79	5.865	5.859	5.875	VV	152	1147	0.09%	0.015%
80	5.899	5.875	5.915	VV	346	5709	0.43%	0.073%
81	5.919	5.915	5.940	VV	194	2222	0.17%	0.028%
82	5.944	5.940	5.949	VV	142	533	0.04%	0.007%
83	5.960	5.949	5.977	VV	135	1515	0.11%	0.019%
84	5.989	5.977	6.017	VV	152	2325	0.18%	0.030%
85	6.025	6.017	6.050	VV	206	1935	0.15%	0.025%
86	6.053	6.050	6.064	VV	96	824	0.06%	0.011%
87	6.068	6.064	6.073	VV	84	419	0.03%	0.005%
88	6.084	6.073	6.104	VV	115	1516	0.11%	0.019%
89	6.106	6.104	6.110	VV	109	372	0.03%	0.005%

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90	6.113	6.110	6.126	VV	108	886	0.07%	0.011%
91	6.139	6.126	6.168	VV	127	1623	0.12%	0.021%
92	6.178	6.168	6.198	VV	148	1495	0.11%	0.019%
93	6.211	6.198	6.234	VV	228	3187	0.24%	0.041%
94	6.242	6.234	6.253	VV	194	1483	0.11%	0.019%
95	6.258	6.253	6.265	VV	149	782	0.06%	0.010%
96	6.267	6.265	6.309	VV	184	3610	0.27%	0.046%
97	6.312	6.309	6.321	VV	175	948	0.07%	0.012%
98	6.325	6.321	6.347	VV	142	2038	0.15%	0.026%
99	6.350	6.347	6.354	VV	167	515	0.04%	0.007%
100	6.361	6.354	6.367	VV	188	1187	0.09%	0.015%
101	6.391	6.367	6.412	VV	533	7678	0.58%	0.098%
102	6.426	6.412	6.437	VV	183	2053	0.16%	0.026%
103	6.446	6.437	6.467	VV	183	2826	0.21%	0.036%
104	6.473	6.467	6.495	VV	181	2441	0.19%	0.031%
105	6.503	6.495	6.526	VV	171	2458	0.19%	0.031%
106	6.532	6.526	6.544	VV	205	1644	0.12%	0.021%
107	6.566	6.544	6.663	VV	340	10406	0.79%	0.133%
108	6.682	6.663	6.730	VV	220	4025	0.31%	0.051%
109	6.738	6.730	6.784	VV	134	2440	0.18%	0.031%
110	6.799	6.784	6.821	VV	106	1666	0.13%	0.021%
111	6.825	6.821	6.856	VV	107	1965	0.15%	0.025%
112	6.870	6.856	6.911	VV	198	4278	0.32%	0.055%
113	6.914	6.911	6.927	VV	163	1460	0.11%	0.019%
114	6.934	6.927	6.942	VV	205	1488	0.11%	0.019%
115	6.946	6.942	6.989	VV	194	4942	0.37%	0.063%
116	7.005	6.989	7.036	VV	194	4134	0.31%	0.053%
117	7.043	7.036	7.071	VV	177	2597	0.20%	0.033%
118	7.075	7.071	7.083	VV	167	900	0.07%	0.012%
119	7.099	7.083	7.122	VV	150	2556	0.19%	0.033%
120	7.130	7.122	7.147	VV	138	1731	0.13%	0.022%
121	7.227	7.147	7.235	VV	272	10117	0.77%	0.129%
122	7.250	7.235	7.293	VV	320	8385	0.64%	0.107%
123	7.301	7.293	7.341	VV	243	5135	0.39%	0.066%
124	7.357	7.341	7.379	VV	195	3469	0.26%	0.044%
125	7.401	7.379	7.446	VV	248	7220	0.55%	0.092%
126	7.463	7.446	7.486	VV	189	3135	0.24%	0.040%
127	7.508	7.486	7.552	VV	170	4556	0.35%	0.058%
128	7.568	7.552	7.597	VV	157	2189	0.17%	0.028%
129	7.632	7.597	7.690	VV	250	7169	0.54%	0.092%
130	7.699	7.690	7.709	VV	104	909	0.07%	0.012%
131	7.720	7.709	7.731	VV	115	1092	0.08%	0.014%
132	7.740	7.731	7.775	VV	123	2072	0.16%	0.026%
133	7.794	7.775	7.836	VV	108	2716	0.21%	0.035%
134	7.864	7.836	7.882	PV	149	2184	0.17%	0.028%
135	7.911	7.882	7.973	VV	3592	46865	3.55%	0.599%
136	7.986	7.973	8.001	VV	184	2070	0.16%	0.026%
137	8.017	8.001	8.030	VV	299	3203	0.24%	0.041%
138	8.084	8.030	8.189	VV	4883	68804	5.22%	0.880%
139	8.200	8.189	8.219	VV	181	2291	0.17%	0.029%
140	8.226	8.219	8.246	VV	149	1799	0.14%	0.023%
141	8.264	8.246	8.287	VV	183	2753	0.21%	0.035%

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142	8.297	8.287	8.306	VV	95	792	0.06%	0.010%
143	8.327	8.306	8.357	VV	166	3322	0.25%	0.042%
144	8.396	8.357	8.406	VV	126	2726	0.21%	0.035%
145	8.481	8.406	8.492	VV	277	9695	0.74%	0.124%
146	8.516	8.492	8.559	VV	1115	21095	1.60%	0.270%
147	8.570	8.559	8.591	VV	370	4914	0.37%	0.063%
148	8.658	8.591	8.705	VV	497	18467	1.40%	0.236%
149	8.712	8.705	8.746	VV	174	3491	0.26%	0.045%
150	8.755	8.746	8.792	VV	195	2903	0.22%	0.037%
151	8.820	8.792	8.826	PV	125	1926	0.15%	0.025%
152	8.854	8.826	8.862	VV	242	3503	0.27%	0.045%
153	8.874	8.862	8.905	VV	289	3786	0.29%	0.048%
154	8.948	8.905	8.984	VV	186	5200	0.39%	0.066%
155	9.006	8.984	9.044	VV	311	8850	0.67%	0.113%
156	9.059	9.044	9.071	VV	301	3840	0.29%	0.049%
157	9.080	9.071	9.151	VV	320	7696	0.58%	0.098%
158	9.169	9.151	9.192	VV	203	3189	0.24%	0.041%
159	9.206	9.192	9.217	VV	226	2192	0.17%	0.028%
160	9.244	9.217	9.318	VV	522	16046	1.22%	0.205%
161	9.345	9.318	9.372	VV	385	7046	0.53%	0.090%
162	9.388	9.372	9.482	VV	302	7225	0.55%	0.092%
163	9.490	9.482	9.506	PV	59	761	0.06%	0.010%
164	9.542	9.506	9.599	VV	506	12040	0.91%	0.154%
165	9.606	9.599	9.668	VV	153	3544	0.27%	0.045%
166	9.677	9.668	9.695	VV	117	1008	0.08%	0.013%
167	9.735	9.695	9.754	PV	442	7370	0.56%	0.094%
168	9.762	9.754	9.793	VV	149	3276	0.25%	0.042%
169	9.818	9.793	9.870	VV	210	6228	0.47%	0.080%
170	9.879	9.870	9.896	VV	145	1967	0.15%	0.025%
171	9.904	9.896	9.937	VV	210	2723	0.21%	0.035%
172	9.959	9.937	9.974	VV	1207	13420	1.02%	0.172%
173	10.000	9.974	10.114	VV	59720	1284379	97.39%	16.419%
174	10.125	10.114	10.221	VV	3550	128328	9.73%	1.641%
175	10.239	10.221	10.421	VV	1162	70196	5.32%	0.897%
176	10.471	10.421	10.569	VV	11530	218637	16.58%	2.795%
177	10.578	10.569	10.632	VV	595	18537	1.41%	0.237%
178	10.645	10.632	10.670	VV	595	8958	0.68%	0.115%
179	10.688	10.670	10.718	VV	383	8511	0.65%	0.109%
180	10.751	10.718	10.791	VV	409	12259	0.93%	0.157%
181	10.795	10.791	10.818	VV	304	3347	0.25%	0.043%
182	10.844	10.818	10.858	VV	418	8400	0.64%	0.107%
183	10.869	10.858	10.912	VV	502	9415	0.71%	0.120%
184	10.942	10.912	10.959	VV	283	6180	0.47%	0.079%
185	10.999	10.959	11.052	VV	369	11712	0.89%	0.150%
186	11.061	11.052	11.077	VV	154	1979	0.15%	0.025%
187	11.101	11.077	11.134	VV	252	6073	0.46%	0.078%
188	11.150	11.134	11.182	VV	241	4135	0.31%	0.053%
189	11.197	11.182	11.224	VV	154	2587	0.20%	0.033%
190	11.249	11.224	11.282	VV	307	5863	0.44%	0.075%
191	11.319	11.282	11.366	VV	278	8536	0.65%	0.109%
192	11.394	11.366	11.427	VV	192	4788	0.36%	0.061%
193	11.439	11.427	11.462	VV	130	1628	0.12%	0.021%
194	11.510	11.462	11.537	VV	131	3213	0.24%	0.041%

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195	11.575	11.537	11.607	VV	570	9353	0.71%	0.120%
196	11.654	11.607	11.712	PV	1740	29927	2.27%	0.383%
197	11.735	11.712	11.754	VV	1048	13910	1.05%	0.178%
198	11.770	11.754	11.804	VV	640	9270	0.70%	0.119%
199	11.824	11.804	11.842	VV	124	1727	0.13%	0.022%
200	11.871	11.842	11.909	VV	216	5206	0.39%	0.067%
201	11.925	11.909	11.947	VV	194	2576	0.20%	0.033%
202	12.001	11.947	12.041	VV	1133	29170	2.21%	0.373%
203	12.058	12.041	12.097	VV	1094	16694	1.27%	0.213%
204	12.109	12.097	12.121	VV	92	1357	0.10%	0.017%
205	12.130	12.121	12.147	VV	121	1493	0.11%	0.019%
206	12.247	12.147	12.277	VV	509	14369	1.09%	0.184%
207	12.305	12.277	12.320	VV	362	6319	0.48%	0.081%
208	12.343	12.320	12.383	VV	819	16995	1.29%	0.217%
209	12.397	12.383	12.429	VV	205	3817	0.29%	0.049%
210	12.451	12.429	12.472	PV	332	4844	0.37%	0.062%
211	12.526	12.472	12.548	VV	646	16181	1.23%	0.207%
212	12.570	12.548	12.584	VV	958	12576	0.95%	0.161%
213	12.599	12.584	12.651	VV	1103	27494	2.08%	0.351%
214	12.667	12.651	12.682	VV	576	8488	0.64%	0.109%
215	12.710	12.682	12.779	VV	762	22150	1.68%	0.283%
216	12.815	12.779	12.847	VV	899	16673	1.26%	0.213%
217	12.887	12.847	12.936	VV	691	21134	1.60%	0.270%
218	12.964	12.936	13.016	VV	4188	73916	5.60%	0.945%
219	13.039	13.016	13.074	VV	403	7759	0.59%	0.099%
220	13.096	13.074	13.191	VV	467	12185	0.92%	0.156%
221	13.216	13.191	13.226	PV	185	2401	0.18%	0.031%
222	13.296	13.226	13.354	VV	2737	76023	5.76%	0.972%
223	13.379	13.354	13.431	VV	1042	28309	2.15%	0.362%
224	13.458	13.431	13.482	VV	627	14923	1.13%	0.191%
225	13.503	13.482	13.546	VV	932	22398	1.70%	0.286%
226	13.568	13.546	13.599	VV	680	16311	1.24%	0.209%
227	13.637	13.599	13.654	VV	720	18031	1.37%	0.231%
228	13.664	13.654	13.699	VV	656	16369	1.24%	0.209%
229	13.733	13.699	13.761	VV	1063	28433	2.16%	0.363%
230	13.778	13.761	13.804	VV	754	16777	1.27%	0.214%
231	13.840	13.804	13.872	VV	718	25301	1.92%	0.323%
232	13.934	13.872	13.976	VV	1831	65257	4.95%	0.834%
233	13.999	13.976	14.012	VV	962	19397	1.47%	0.248%
234	14.045	14.012	14.067	VV	1448	37965	2.88%	0.485%
235	14.091	14.067	14.122	VV	1843	44792	3.40%	0.573%
236	14.133	14.122	14.163	VV	1332	29193	2.21%	0.373%
237	14.210	14.163	14.269	VV	4111	107631	8.16%	1.376%
238	14.322	14.269	14.361	VV	1679	76925	5.83%	0.983%
239	14.392	14.361	14.401	VV	1504	34039	2.58%	0.435%
240	14.407	14.401	14.427	VV	1444	22439	1.70%	0.287%
241	14.488	14.427	14.562	VV	3118	167082	12.67%	2.136%
242	14.586	14.562	14.626	VV	2190	73858	5.60%	0.944%
243	14.654	14.626	14.684	VV	3470	84941	6.44%	1.086%
244	14.763	14.684	14.847	VV	2753	228353	17.31%	2.919%
245	14.856	14.847	14.882	VV	2321	46984	3.56%	0.601%
246	14.936	14.882	14.959	VV	2834	114476	8.68%	1.463%

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247	14.993	14.959	15.033	VV	90889	1318844	100.00%	16.860%
248	15.043	15.033	15.071	VV	3276	67238	5.10%	0.860%
249	15.082	15.071	15.147	VV	2646	113946	8.64%	1.457%
250	15.167	15.147	15.179	VV	2907	50756	3.85%	0.649%
251	15.198	15.179	15.222	VV	4032	82550	6.26%	1.055%
252	15.248	15.222	15.306	VV	2669	119291	9.05%	1.525%
253	15.337	15.306	15.371	VV	2334	83797	6.35%	1.071%
254	15.391	15.371	15.437	VV	2279	82933	6.29%	1.060%
255	15.448	15.437	15.467	VV	2136	36859	2.79%	0.471%
256	15.481	15.467	15.511	VV	2018	49778	3.77%	0.636%
257	15.529	15.511	15.542	VV	1899	35097	2.66%	0.449%
258	15.578	15.542	15.690	VV	38992	846703	64.20%	10.824%
259	15.718	15.690	15.757	VV	3700	102603	7.78%	1.312%
260	15.774	15.757	15.826	VV	1741	62236	4.72%	0.796%
261	15.852	15.826	15.886	VV	1584	48878	3.71%	0.625%
262	15.893	15.886	15.957	VV	1143	43575	3.30%	0.557%
263	15.973	15.957	15.994	VV	1064	22437	1.70%	0.287%
264	16.014	15.994	16.076	VV	1148	47642	3.61%	0.609%
265	16.102	16.076	16.185	VV	1746	64785	4.91%	0.828%
266	16.221	16.185	16.278	VV	2492	57215	4.34%	0.731%
267	16.285	16.278	16.327	VV	471	11185	0.85%	0.143%
268	16.352	16.327	16.379	VV	428	10051	0.76%	0.128%
269	16.409	16.379	16.466	VV	514	16737	1.27%	0.214%
270	16.479	16.466	16.497	VV	252	3891	0.30%	0.050%
271	16.513	16.497	16.557	VV	280	7873	0.60%	0.101%
272	16.600	16.557	16.647	VV	3205	76123	5.77%	0.973%
273	16.659	16.647	16.681	VV	741	13008	0.99%	0.166%
274	16.706	16.681	16.756	VV	2362	37097	2.81%	0.474%
275	16.787	16.756	16.841	VV	453	10302	0.78%	0.132%
276	16.864	16.841	16.884	VV	183	2619	0.20%	0.033%
277	16.925	16.884	16.941	VV	94	1529	0.12%	0.020%
278	16.986	16.941	17.001	PV	488	11071	0.84%	0.142%
279	17.007	17.001	17.037	VV	459	7242	0.55%	0.093%
280	17.065	17.037	17.117	VV	356	12181	0.92%	0.156%
281	17.173	17.117	17.199	VV	1978	33593	2.55%	0.429%
282	17.222	17.199	17.240	VV	535	7560	0.57%	0.097%
283	17.255	17.240	17.284	VV	342	4731	0.36%	0.060%
284	17.288	17.284	17.317	VV	120	1345	0.10%	0.017%
285	17.372	17.317	17.394	PV	182	3484	0.26%	0.045%

Sum of corrected areas: 7822506

FG042425.M Wed May 14 05:39:46 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF051325\
Data File : FF015836.D
Signal(s) : FID2B.ch
Acq On : 13 May 2025 17:22
Operator : YP\AJ
Sample : Q1982-04
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-4

Integration File: autoint1.e
Quant Time: May 14 05:51:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF042225.M
Quant Title :
QLast Update : Tue Apr 22 11:27:50 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	2365328	20.960 ug/ml
Target Compounds			

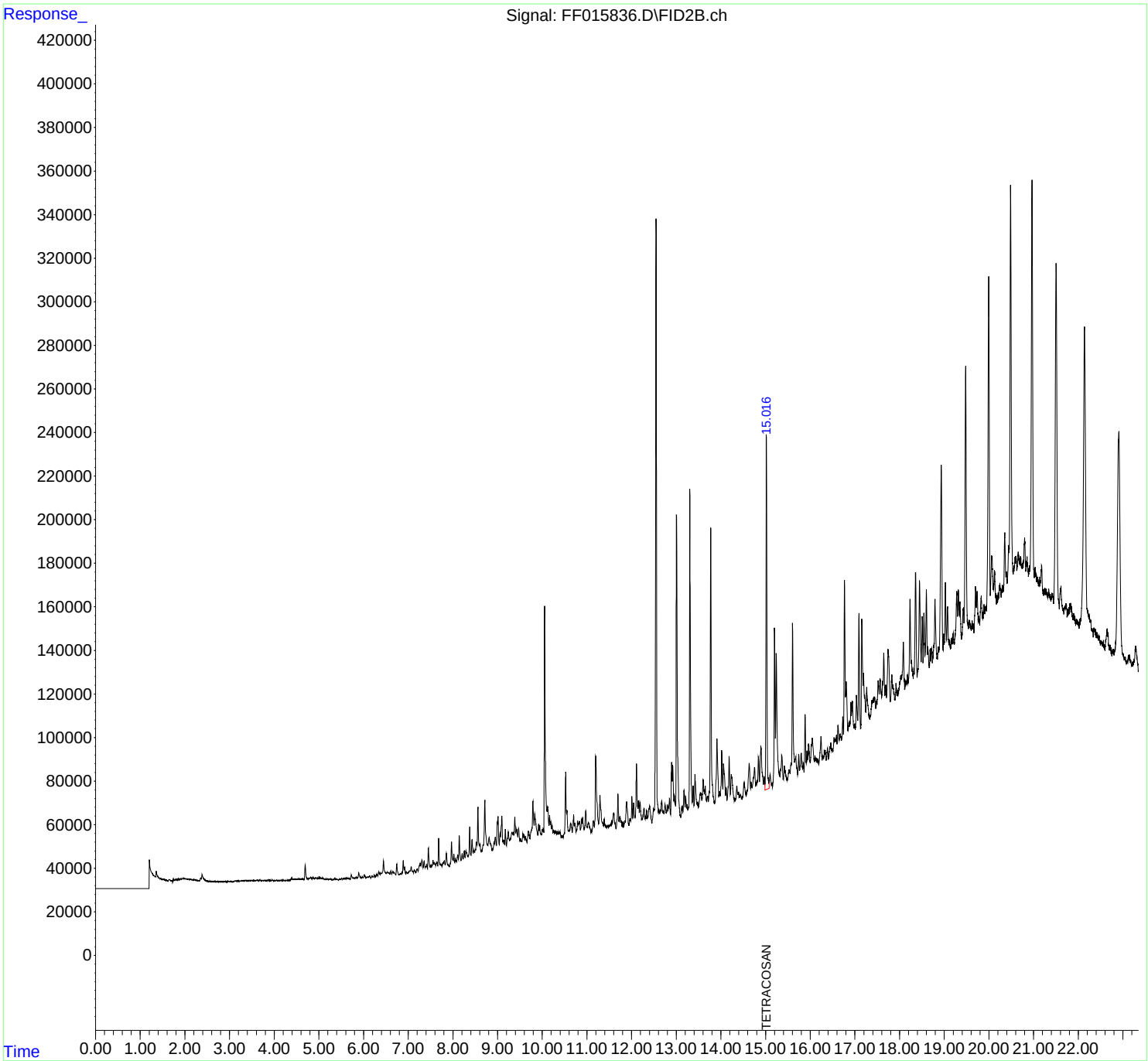
(f)=RT Delta > 1/2 Window (m)=manual int.

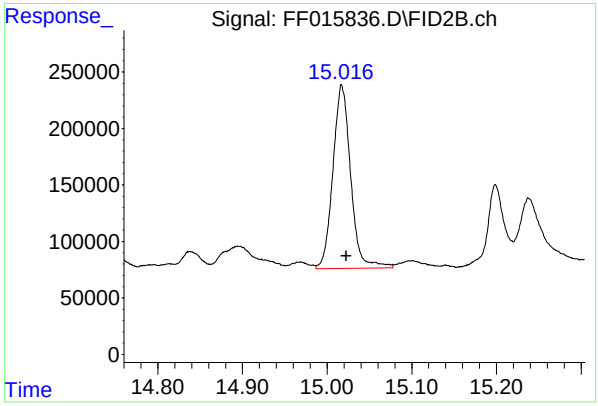
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF051325\
Data File : FF015836.D
Signal(s) : FID2B.ch
Acq On : 13 May 2025 17:22
Operator : YP\AJ
Sample : Q1982-04
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-4

Integration File: autoint1.e
Quant Time: May 14 05:51:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF042225.M
Quant Title :
QLast Update : Tue Apr 22 11:27:50 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.: -0.005 mi
Response: 2365328
Conc: 20.96 ug/m

Instrument :
FID_F
ClientSampleId :
TP-4

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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\FF051325\
Data File : FF015836.D
Signal(s) : FID2B.ch
Acq On : 13 May 2025 17:22
Sample : Q1982-04
Misc :
ALS Vial : 75 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF042225.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.305	4.300	4.310	BV	107	408	0.01%	0.001%
2	4.332	4.310	4.337	PV	188	1846	0.05%	0.003%
3	4.395	4.337	4.421	VV	1071	28971	0.71%	0.049%
4	4.426	4.421	4.454	VV	634	11606	0.29%	0.020%
5	4.467	4.454	4.481	VV	662	9634	0.24%	0.016%
6	4.486	4.481	4.495	VV	582	4480	0.11%	0.008%
7	4.508	4.495	4.523	VV	680	10037	0.25%	0.017%
8	4.527	4.523	4.533	VV	668	3736	0.09%	0.006%
9	4.541	4.533	4.572	VV	632	13520	0.33%	0.023%
10	4.607	4.572	4.628	VV	736	20131	0.50%	0.034%
11	4.641	4.628	4.665	VV	756	13414	0.33%	0.023%
12	4.694	4.665	4.743	VV	6993	122170	3.01%	0.206%
13	4.748	4.743	4.768	VV	849	10700	0.26%	0.018%
14	4.815	4.768	4.842	VV	1335	42841	1.05%	0.072%
15	4.861	4.842	4.902	VV	1162	33429	0.82%	0.056%
16	4.934	4.902	4.938	VV	1018	19582	0.48%	0.033%
17	4.942	4.938	4.958	VV	962	11052	0.27%	0.019%
18	4.971	4.958	4.990	VV	1000	17456	0.43%	0.029%
19	5.011	4.990	5.071	VV	1359	45807	1.13%	0.077%
20	5.084	5.071	5.126	VV	1048	24517	0.60%	0.041%
21	5.160	5.126	5.178	VV	607	14502	0.36%	0.024%
22	5.181	5.178	5.184	VV	348	1404	0.03%	0.002%
23	5.193	5.184	5.222	VV	446	7556	0.19%	0.013%
24	5.228	5.222	5.233	VV	295	1803	0.04%	0.003%
25	5.254	5.233	5.312	VV	579	15683	0.39%	0.026%
26	5.354	5.312	5.367	VV	774	13697	0.34%	0.023%
27	5.370	5.367	5.386	VV	583	5159	0.13%	0.009%
28	5.406	5.386	5.437	VV	504	7693	0.19%	0.013%
29	5.461	5.437	5.477	PV	302	4426	0.11%	0.007%
30	5.504	5.477	5.520	VV	481	9076	0.22%	0.015%
31	5.541	5.520	5.558	VV	518	9455	0.23%	0.016%
32	5.575	5.558	5.579	VV	546	6227	0.15%	0.010%
33	5.590	5.579	5.604	VV	594	7154	0.18%	0.012%
34	5.622	5.604	5.643	VV	618	11801	0.29%	0.020%
35	5.646	5.643	5.668	VV	524	6383	0.16%	0.011%
36	5.680	5.668	5.696	VV	366	4513	0.11%	0.008%

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37	5.728	5.696	5.768	VV	2036	38003	0.93%	0.064%
38	5.778	5.768	5.793	VV	556	6228	0.15%	0.010%
39	5.806	5.793	5.811	VV	371	3549	0.09%	0.006%
40	5.835	5.811	5.854	VV	755	14243	0.35%	0.024%
41	5.864	5.854	5.870	VV	549	4637	0.11%	0.008%
42	5.893	5.870	5.934	VV	2717	49860	1.23%	0.084%
43	5.942	5.934	5.956	VV	604	6106	0.15%	0.010%
44	5.975	5.956	5.995	VV	789	11171	0.27%	0.019%
45	6.017	5.995	6.062	VV	1399	31122	0.77%	0.052%
46	6.079	6.062	6.109	VV	720	12543	0.31%	0.021%
47	6.139	6.109	6.166	VV	981	19038	0.47%	0.032%
48	6.190	6.166	6.207	PV	964	12440	0.31%	0.021%
49	6.239	6.207	6.260	VV	1075	19243	0.47%	0.032%
50	6.298	6.260	6.319	VV	1405	29452	0.72%	0.050%
51	6.341	6.319	6.373	VV	2398	51266	1.26%	0.086%
52	6.390	6.373	6.406	VV	1801	31176	0.77%	0.052%
53	6.448	6.406	6.509	VV	7232	180246	4.43%	0.303%
54	6.535	6.509	6.553	VV	1972	42897	1.06%	0.072%
55	6.567	6.553	6.593	VV	1560	31498	0.77%	0.053%
56	6.611	6.593	6.635	VV	2278	38142	0.94%	0.064%
57	6.653	6.635	6.675	VV	1877	35115	0.86%	0.059%
58	6.689	6.675	6.724	VV	1336	25891	0.64%	0.044%
59	6.743	6.724	6.787	VV	5207	79811	1.96%	0.134%
60	6.798	6.787	6.808	PV	307	1987	0.05%	0.003%
61	6.835	6.808	6.848	VV	611	8830	0.22%	0.015%
62	6.863	6.848	6.871	VV	1193	10606	0.26%	0.018%
63	6.890	6.871	6.909	VV	6398	81316	2.00%	0.137%
64	6.923	6.909	6.948	VV	3309	43375	1.07%	0.073%
65	6.963	6.948	6.979	PV	1025	9820	0.24%	0.017%
66	7.030	6.979	7.038	VV	1144	25942	0.64%	0.044%
67	7.042	7.038	7.050	VV	1080	7455	0.18%	0.013%
68	7.066	7.050	7.093	VV	2960	46586	1.15%	0.078%
69	7.102	7.093	7.116	VV	940	9584	0.24%	0.016%
70	7.134	7.116	7.176	VV	1256	23689	0.58%	0.040%
71	7.200	7.176	7.223	PV	1623	28572	0.70%	0.048%
72	7.268	7.223	7.282	VV	4104	94363	2.32%	0.159%
73	7.309	7.282	7.335	VV	5374	118605	2.92%	0.200%
74	7.358	7.335	7.378	VV	4749	81066	1.99%	0.136%
75	7.392	7.378	7.398	VV	1979	21425	0.53%	0.036%
76	7.415	7.398	7.431	VV	2983	42121	1.04%	0.071%
77	7.453	7.431	7.492	VV	10312	171306	4.21%	0.288%
78	7.508	7.492	7.523	VV	2428	35242	0.87%	0.059%
79	7.557	7.523	7.573	VV	4355	79713	1.96%	0.134%
80	7.588	7.573	7.616	VV	3044	66432	1.63%	0.112%
81	7.640	7.616	7.663	VV	3304	68078	1.67%	0.115%
82	7.683	7.663	7.719	VV	14081	189694	4.67%	0.319%
83	7.722	7.719	7.755	VV	1816	31526	0.78%	0.053%
84	7.771	7.755	7.778	VV	2301	25370	0.62%	0.043%
85	7.808	7.778	7.828	VV	3271	71461	1.76%	0.120%
86	7.856	7.828	7.885	VV	6450	113796	2.80%	0.192%
87	7.899	7.885	7.923	VV	1389	17348	0.43%	0.029%
88	7.971	7.923	8.006	PV	11307	196989	4.85%	0.332%
89	8.023	8.006	8.042	VV	5481	76903	1.89%	0.129%

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90	8.058	8.042	8.085	VV	2788	55735	1.37%	0.094%
91	8.110	8.085	8.126	VV	4656	82007	2.02%	0.138%
92	8.144	8.126	8.183	VV	13340	213713	5.26%	0.360%
93	8.210	8.183	8.230	VV	4859	90191	2.22%	0.152%
94	8.256	8.230	8.273	VV	5917	101521	2.50%	0.171%
95	8.291	8.273	8.306	VV	5789	89832	2.21%	0.151%
96	8.310	8.306	8.333	VV	4935	64191	1.58%	0.108%
97	8.347	8.333	8.355	VV	3562	42761	1.05%	0.072%
98	8.377	8.355	8.407	VV	16289	240618	5.92%	0.405%
99	8.431	8.407	8.456	VV	10413	191130	4.70%	0.322%
100	8.470	8.456	8.488	VV	5281	92888	2.29%	0.156%
101	8.504	8.488	8.510	VV	5446	66554	1.64%	0.112%
102	8.526	8.510	8.542	VV	8564	144066	3.54%	0.243%
103	8.562	8.542	8.594	VV	24747	406656	10.00%	0.685%
104	8.607	8.594	8.632	VV	7583	136489	3.36%	0.230%
105	8.642	8.632	8.658	VV	4603	68749	1.69%	0.116%
106	8.677	8.658	8.683	VV	6830	89869	2.21%	0.151%
107	8.717	8.683	8.777	VV	27277	701493	17.26%	1.181%
108	8.811	8.777	8.879	VV	9615	409907	10.08%	0.690%
109	8.892	8.879	8.902	VV	4163	53724	1.32%	0.090%
110	8.920	8.902	8.930	VV	6597	95470	2.35%	0.161%
111	8.952	8.930	8.976	VV	9102	204603	5.03%	0.344%
112	8.996	8.976	9.003	VV	15939	182175	4.48%	0.307%
113	9.012	9.003	9.038	VV	18365	270239	6.65%	0.455%
114	9.057	9.038	9.069	VV	10387	156707	3.86%	0.264%
115	9.097	9.069	9.124	VV	18311	402614	9.90%	0.678%
116	9.137	9.124	9.159	VV	6990	130055	3.20%	0.219%
117	9.176	9.159	9.201	VV	11721	189359	4.66%	0.319%
118	9.242	9.201	9.274	VV	10427	324096	7.97%	0.546%
119	9.287	9.274	9.295	VV	7272	85972	2.12%	0.145%
120	9.319	9.295	9.343	VV	9806	254076	6.25%	0.428%
121	9.356	9.343	9.370	VV	9574	145630	3.58%	0.245%
122	9.388	9.370	9.408	VV	16448	276328	6.80%	0.465%
123	9.431	9.408	9.454	VV	10756	258564	6.36%	0.435%
124	9.472	9.454	9.503	VV	10920	237140	5.83%	0.399%
125	9.516	9.503	9.531	VV	6052	93992	2.31%	0.158%
126	9.539	9.531	9.549	VV	4992	50498	1.24%	0.085%
127	9.569	9.549	9.584	VV	8178	137613	3.39%	0.232%
128	9.594	9.584	9.612	VV	7413	106385	2.62%	0.179%
129	9.622	9.612	9.660	VV	6627	150308	3.70%	0.253%
130	9.690	9.660	9.727	VV	8751	259118	6.37%	0.436%
131	9.792	9.727	9.821	VV	21961	656478	16.15%	1.105%
132	9.836	9.821	9.902	VV	15848	520799	12.81%	0.877%
133	9.921	9.902	9.933	VV	10988	156600	3.85%	0.264%
134	9.945	9.933	9.983	VV	10067	226502	5.57%	0.381%
135	10.005	9.983	10.014	VV	8059	131475	3.23%	0.221%
136	10.025	10.014	10.038	VV	8449	109673	2.70%	0.185%
137	10.054	10.038	10.108	VV	110291	1830853	45.04%	3.082%
138	10.121	10.108	10.151	VV	18073	375339	9.23%	0.632%
139	10.167	10.151	10.182	VV	13983	213664	5.26%	0.360%
140	10.191	10.182	10.209	VV	10734	155717	3.83%	0.262%
141	10.223	10.209	10.243	VV	9057	153948	3.79%	0.259%

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142	10.253	10.243	10.278	VV	6635	128274	3.16%	0.216%
143	10.298	10.278	10.316	VV	6374	126604	3.11%	0.213%
144	10.329	10.316	10.349	VV	5694	102311	2.52%	0.172%
145	10.365	10.349	10.385	VV	5308	104604	2.57%	0.176%
146	10.398	10.385	10.432	VV	5494	115350	2.84%	0.194%
147	10.447	10.432	10.468	VV	3272	60523	1.49%	0.102%
148	10.525	10.468	10.545	VV	32274	542221	13.34%	0.913%
149	10.554	10.545	10.582	VV	14429	220427	5.42%	0.371%
150	10.587	10.582	10.601	VV	5104	57820	1.42%	0.097%
151	10.608	10.601	10.614	VV	5002	38886	0.96%	0.065%
152	10.636	10.614	10.671	VV	8214	220300	5.42%	0.371%
153	10.702	10.671	10.721	VV	11909	230470	5.67%	0.388%
154	10.729	10.721	10.760	VV	7754	140672	3.46%	0.237%
155	10.793	10.760	10.808	VV	8542	179116	4.41%	0.302%
156	10.830	10.808	10.860	VV	8257	203878	5.02%	0.343%
157	10.879	10.860	10.894	VV	8771	143980	3.54%	0.242%
158	10.906	10.894	10.941	VV	9554	180613	4.44%	0.304%
159	10.974	10.941	11.007	VV	12416	290845	7.16%	0.490%
160	11.035	11.007	11.044	VV	6727	133097	3.27%	0.224%
161	11.046	11.044	11.066	VV	6367	68812	1.69%	0.116%
162	11.069	11.066	11.091	VV	4484	49831	1.23%	0.084%
163	11.102	11.091	11.108	VV	2555	25652	0.63%	0.043%
164	11.144	11.108	11.167	VV	7121	172639	4.25%	0.291%
165	11.198	11.167	11.263	VV	36471	881138	21.68%	1.483%
166	11.293	11.263	11.367	VV	17859	560292	13.78%	0.943%
167	11.388	11.367	11.423	VV	6957	155458	3.82%	0.262%
168	11.432	11.423	11.449	VV	3846	53841	1.32%	0.091%
169	11.466	11.449	11.484	VV	3712	64853	1.60%	0.109%
170	11.502	11.484	11.506	VV	3539	40420	0.99%	0.068%
171	11.517	11.506	11.528	VV	3632	44310	1.09%	0.075%
172	11.548	11.528	11.564	VV	4839	92123	2.27%	0.155%
173	11.603	11.564	11.651	VV	8803	275233	6.77%	0.463%
174	11.696	11.651	11.721	VV	17072	326931	8.04%	0.550%
175	11.738	11.721	11.759	VV	6300	120905	2.97%	0.204%
176	11.769	11.759	11.790	VV	4331	66273	1.63%	0.112%
177	11.804	11.790	11.822	VV	3668	49679	1.22%	0.084%
178	11.851	11.822	11.859	VV	4088	65075	1.60%	0.110%
179	11.887	11.859	11.937	VV	12628	326393	8.03%	0.549%
180	11.967	11.937	11.983	VV	4331	93223	2.29%	0.157%
181	12.007	11.983	12.028	VV	14596	233887	5.75%	0.394%
182	12.045	12.028	12.075	VV	11438	208336	5.13%	0.351%
183	12.108	12.075	12.141	VV	29127	544931	13.41%	0.917%
184	12.155	12.141	12.173	VV	11859	179977	4.43%	0.303%
185	12.188	12.173	12.233	VV	11201	239523	5.89%	0.403%
186	12.278	12.233	12.303	VV	7961	208716	5.13%	0.351%
187	12.310	12.303	12.318	VV	3721	29265	0.72%	0.049%
188	12.338	12.318	12.361	VV	6630	120878	2.97%	0.203%
189	12.388	12.361	12.395	VV	7283	109797	2.70%	0.185%
190	12.405	12.395	12.453	VV	8567	161931	3.98%	0.273%
191	12.488	12.453	12.498	VV	6886	99963	2.46%	0.168%
192	12.507	12.498	12.512	VV	6556	52602	1.29%	0.089%
193	12.549	12.512	12.628	VV	276805	4064805	100.00%	6.843%
194	12.674	12.628	12.702	VV	9617	277377	6.82%	0.467%

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195	12.708	12.702	12.727	VV	4650	63643	1.57%	0.107%
196	12.748	12.727	12.777	VV	7645	161137	3.96%	0.271%
197	12.797	12.777	12.812	VV	7257	111809	2.75%	0.188%
198	12.848	12.812	12.871	VV	9801	231683	5.70%	0.390%
199	12.895	12.871	12.907	VV	26377	350137	8.61%	0.589%
200	12.921	12.907	12.946	VV	24903	397946	9.79%	0.670%
201	12.957	12.946	12.987	VV	10964	208109	5.12%	0.350%
202	13.006	12.987	13.099	VV	139194	2243509	55.19%	3.777%
203	13.135	13.099	13.148	PV	5071	90732	2.23%	0.153%
204	13.173	13.148	13.195	VV	12208	208075	5.12%	0.350%
205	13.209	13.195	13.232	VV	9114	140672	3.46%	0.237%
206	13.244	13.232	13.260	VV	5137	65543	1.61%	0.110%
207	13.303	13.260	13.357	VV	149592	2222045	54.67%	3.741%
208	13.377	13.357	13.397	VV	12917	199555	4.91%	0.336%
209	13.419	13.397	13.464	VV	17949	382140	9.40%	0.643%
210	13.471	13.464	13.502	VV	4578	82303	2.02%	0.139%
211	13.542	13.502	13.548	VV	8614	172675	4.25%	0.291%
212	13.554	13.548	13.575	VV	8438	107122	2.64%	0.180%
213	13.603	13.575	13.631	VV	13960	321201	7.90%	0.541%
214	13.647	13.631	13.682	VV	10914	222736	5.48%	0.375%
215	13.705	13.682	13.718	VV	6278	111789	2.75%	0.188%
216	13.736	13.718	13.743	VV	7999	94415	2.32%	0.159%
217	13.771	13.743	13.862	VV	128707	2051364	50.47%	3.453%
218	13.910	13.862	13.957	VV	31233	784106	19.29%	1.320%
219	13.968	13.957	13.984	VV	6352	91362	2.25%	0.154%
220	14.016	13.984	14.042	VV	25133	442721	10.89%	0.745%
221	14.056	14.042	14.105	VV	18745	454191	11.17%	0.765%
222	14.117	14.105	14.137	VV	7050	92795	2.28%	0.156%
223	14.183	14.137	14.211	VV	21308	408729	10.06%	0.688%
224	14.230	14.211	14.298	VV	12690	350441	8.62%	0.590%
225	14.314	14.298	14.328	VV	1230	11524	0.28%	0.019%
226	14.354	14.328	14.382	VV	6583	120816	2.97%	0.203%
227	14.395	14.382	14.413	VV	3494	48370	1.19%	0.081%
228	14.428	14.413	14.432	VV	1867	19027	0.47%	0.032%
229	14.437	14.432	14.469	VV	2229	23428	0.58%	0.039%
230	14.475	14.469	14.481	PV	799	4074	0.10%	0.007%
231	14.515	14.481	14.565	VV	7036	181141	4.46%	0.305%
232	14.631	14.565	14.663	VV	15012	404823	9.96%	0.681%
233	14.680	14.663	14.697	VV	5823	92404	2.27%	0.156%
234	14.753	14.697	14.777	VV	12203	355753	8.75%	0.599%
235	14.796	14.777	14.801	VV	5253	65077	1.60%	0.110%
236	14.814	14.801	14.820	VV	5889	58847	1.45%	0.099%
237	14.838	14.820	14.862	VV	16413	270657	6.66%	0.456%
238	14.895	14.862	14.951	VV	20633	618284	15.21%	1.041%
239	14.969	14.951	14.987	VV	6232	96339	2.37%	0.162%
240	15.017	14.987	15.077	VV	162107	2369304	58.29%	3.989%
241	15.101	15.077	15.133	VV	6434	129367	3.18%	0.218%
242	15.140	15.133	15.153	VV	2133	14559	0.36%	0.025%
243	15.199	15.153	15.220	PV	72746	997037	24.53%	1.678%
244	15.238	15.220	15.316	VV	59989	1295165	31.86%	2.180%
245	15.361	15.316	15.392	VV	12881	318420	7.83%	0.536%
246	15.420	15.392	15.469	VV	7328	164942	4.06%	0.278%

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247	15.477	15.469	15.492	VV	1110	8080	0.20%	0.014%
248	15.522	15.492	15.549	VV	4392	96113	2.36%	0.162%
249	15.570	15.549	15.576	VV	7074	88737	2.18%	0.149%
250	15.603	15.576	15.646	VV	71004	1130409	27.81%	1.903%
251	15.675	15.646	15.717	VV	8961	233084	5.73%	0.392%
252	15.742	15.717	15.764	VV	9368	126313	3.11%	0.213%
253	15.799	15.764	15.830	VV	9368	199067	4.90%	0.335%
254	15.842	15.830	15.859	VV	4575	44104	1.09%	0.074%
255	15.884	15.859	15.910	PV	26235	364509	8.97%	0.614%
256	15.925	15.910	15.942	VV	9024	129228	3.18%	0.218%
257	15.961	15.942	16.002	VV	11816	265768	6.54%	0.447%
258	16.027	16.002	16.032	VV	11123	140870	3.47%	0.237%
259	16.046	16.032	16.089	VV	13711	294517	7.25%	0.496%
260	16.108	16.089	16.128	VV	4961	78719	1.94%	0.133%
261	16.133	16.128	16.155	VV	3621	36733	0.90%	0.062%
262	16.164	16.155	16.173	VV	2956	23906	0.59%	0.040%
263	16.178	16.173	16.190	VV	2077	12630	0.31%	0.021%
264	16.241	16.190	16.265	PV	12208	251453	6.19%	0.423%
265	16.270	16.265	16.289	VV	2814	30940	0.76%	0.052%
266	16.334	16.289	16.356	VV	4787	123415	3.04%	0.208%
267	16.386	16.356	16.406	VV	5320	75183	1.85%	0.127%
268	16.440	16.406	16.448	PV	5236	74704	1.84%	0.126%
269	16.460	16.448	16.476	VV	6623	78545	1.93%	0.132%
270	16.491	16.476	16.503	VV	3339	44551	1.10%	0.075%
271	16.532	16.503	16.552	VV	7413	141446	3.48%	0.238%
272	16.586	16.552	16.598	VV	7646	158815	3.91%	0.267%
273	16.622	16.598	16.647	VV	11362	210027	5.17%	0.354%
274	16.668	16.647	16.701	VV	6408	162457	4.00%	0.273%
275	16.727	16.701	16.742	VV	13173	195946	4.82%	0.330%
276	16.766	16.742	16.790	VV	75096	1139615	28.04%	1.918%
277	16.803	16.790	16.845	VV	27785	581048	14.29%	0.978%
278	16.867	16.845	16.877	VV	8138	133086	3.27%	0.224%
279	16.910	16.877	16.922	VV	16546	277234	6.82%	0.467%
280	16.944	16.922	16.981	VV	16037	347047	8.54%	0.584%
281	16.999	16.981	17.010	VV	4843	63978	1.57%	0.108%
282	17.033	17.010	17.062	VV	16747	304313	7.49%	0.512%
283	17.089	17.062	17.125	VV	53524	812396	19.99%	1.368%
284	17.154	17.125	17.180	PV	49940	810494	19.94%	1.364%
285	17.193	17.180	17.210	VV	24247	343544	8.45%	0.578%
286	17.217	17.210	17.245	VV	13737	205631	5.06%	0.346%
287	17.262	17.245	17.336	VV	15844	385369	9.48%	0.649%
288	17.342	17.336	17.349	PV	1789	9659	0.24%	0.016%
289	17.407	17.349	17.412	VV	6174	176475	4.34%	0.297%
290	17.417	17.412	17.425	VV	6767	45072	1.11%	0.076%
291	17.430	17.425	17.468	VV	6519	94561	2.33%	0.159%
292	17.483	17.468	17.494	PV	2126	14645	0.36%	0.025%
			Sum of corrected areas:			59402363		

FF042225.M Wed May 14 06:57:06 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF051325\
Data File : FF015837.D
Signal(s) : FID2B.ch
Acq On : 13 May 2025 17:51
Operator : YP\AJ
Sample : Q1982-05
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-5

Integration File: autoint1.e
Quant Time: May 14 05:51:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF042225.M
Quant Title :
QLast Update : Tue Apr 22 11:27:50 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	1330549	11.791 ug/ml
Target Compounds			

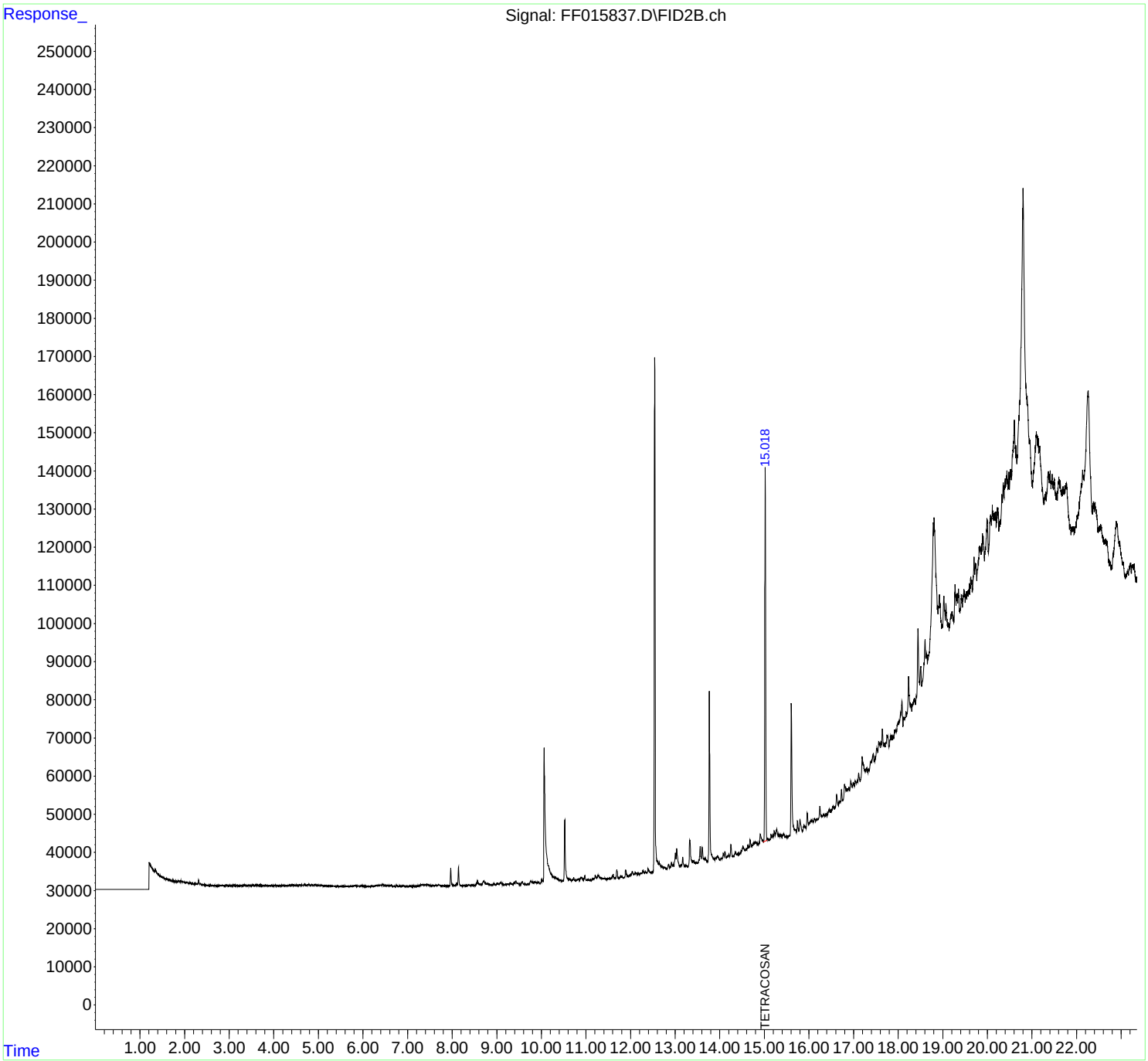
(f)=RT Delta > 1/2 Window (m)=manual int.

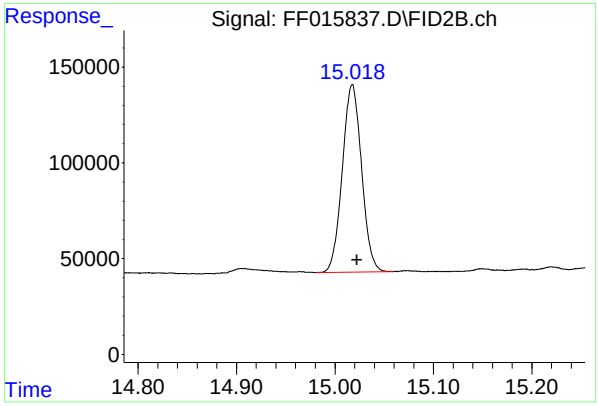
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF051325\
Data File : FF015837.D
Signal(s) : FID2B.ch
Acq On : 13 May 2025 17:51
Operator : YP\AJ
Sample : Q1982-05
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-5

Integration File: autoint1.e
Quant Time: May 14 05:51:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF042225.M
Quant Title :
QLast Update : Tue Apr 22 11:27:50 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.: -0.005 mi
Response: 1330549
Conc: 11.79 ug/m

Instrument :
FID_F
ClientSampleId :
TP-5

11

A B C D E F G H I J

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF051325\
Data File : FF015837.D
Signal(s) : FID2B.ch
Acq On : 13 May 2025 17:51
Sample : Q1982-05
Misc :
ALS Vial : 76 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF042225.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.327	4.300	4.338	BV	112	500	0.03%	0.005%
2	4.349	4.338	4.362	VV	102	882	0.05%	0.008%
3	4.368	4.362	4.382	PV	106	894	0.05%	0.008%
4	4.392	4.382	4.402	VV	187	1456	0.08%	0.014%
5	4.405	4.402	4.412	VV	209	828	0.05%	0.008%
6	4.415	4.412	4.429	VV	141	1154	0.06%	0.011%
7	4.439	4.429	4.444	VV	167	1220	0.07%	0.012%
8	4.448	4.444	4.460	VV	197	1354	0.08%	0.013%
9	4.467	4.460	4.494	VV	168	2576	0.14%	0.024%
10	4.508	4.494	4.514	VV	184	1518	0.08%	0.014%
11	4.518	4.514	4.527	VV	170	959	0.05%	0.009%
12	4.535	4.527	4.539	VV	160	934	0.05%	0.009%
13	4.550	4.539	4.560	VV	133	1512	0.08%	0.014%
14	4.578	4.560	4.602	VV	304	5244	0.29%	0.049%
15	4.622	4.602	4.665	VV	261	7111	0.40%	0.067%
16	4.684	4.665	4.703	VV	446	6058	0.34%	0.057%
17	4.706	4.703	4.711	VV	246	966	0.05%	0.009%
18	4.714	4.711	4.732	VV	254	2342	0.13%	0.022%
19	4.735	4.732	4.739	VV	224	783	0.04%	0.007%
20	4.755	4.739	4.759	VV	346	3227	0.18%	0.030%
21	4.764	4.759	4.774	VV	318	2581	0.14%	0.024%
22	4.793	4.774	4.837	VV	397	10618	0.59%	0.100%
23	4.846	4.837	4.866	VV	262	3793	0.21%	0.036%
24	4.873	4.866	4.884	VV	259	2590	0.14%	0.024%
25	4.895	4.884	4.907	VV	268	3439	0.19%	0.032%
26	4.911	4.907	4.939	VV	292	4754	0.26%	0.045%
27	4.946	4.939	4.951	VV	287	1778	0.10%	0.017%
28	4.957	4.951	4.968	VV	266	2316	0.13%	0.022%
29	4.984	4.968	5.004	VV	340	5417	0.30%	0.051%
30	5.021	5.004	5.030	VV	325	3803	0.21%	0.036%
31	5.033	5.030	5.059	VV	255	3560	0.20%	0.034%
32	5.065	5.059	5.071	VV	238	1529	0.09%	0.014%
33	5.076	5.071	5.107	VV	252	4273	0.24%	0.040%
34	5.111	5.107	5.122	VV	173	1263	0.07%	0.012%
35	5.133	5.122	5.145	VV	192	2033	0.11%	0.019%
36	5.155	5.145	5.163	VV	198	1749	0.10%	0.017%

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37	5.169	5.163	5.177	VV	173	1163	0.06%	0.011%
38	5.191	5.177	5.202	VV	189	1879	0.10%	0.018%
39	5.205	5.202	5.220	VV	147	1316	0.07%	0.012%
40	5.224	5.220	5.232	VV	168	954	0.05%	0.009%
41	5.237	5.232	5.245	VV	193	1372	0.08%	0.013%
42	5.249	5.245	5.260	VV	216	1184	0.07%	0.011%
43	5.273	5.260	5.295	VV	196	2512	0.14%	0.024%
44	5.301	5.295	5.316	VV	144	1335	0.07%	0.013%
45	5.319	5.316	5.330	VV	161	953	0.05%	0.009%
46	5.337	5.330	5.344	VV	149	1036	0.06%	0.010%
47	5.346	5.344	5.376	VV	185	1871	0.10%	0.018%
48	5.385	5.376	5.396	PV	135	1006	0.06%	0.009%
49	5.402	5.396	5.416	VV	106	872	0.05%	0.008%
50	5.420	5.416	5.425	VV	111	432	0.02%	0.004%
51	5.430	5.425	5.449	VV	114	1163	0.06%	0.011%
52	5.454	5.449	5.472	VV	191	1244	0.07%	0.012%
53	5.481	5.472	5.503	VV	131	1762	0.10%	0.017%
54	5.507	5.503	5.516	VV	140	661	0.04%	0.006%
55	5.522	5.516	5.526	VV	171	660	0.04%	0.006%
56	5.530	5.526	5.536	VV	124	649	0.04%	0.006%
57	5.550	5.536	5.564	VV	168	2120	0.12%	0.020%
58	5.572	5.564	5.584	VV	229	1554	0.09%	0.015%
59	5.595	5.584	5.601	VV	112	884	0.05%	0.008%
60	5.606	5.601	5.614	VV	104	719	0.04%	0.007%
61	5.619	5.614	5.632	VV	123	893	0.05%	0.008%
62	5.638	5.632	5.645	PV	114	680	0.04%	0.006%
63	5.651	5.645	5.657	VV	113	610	0.03%	0.006%
64	5.671	5.657	5.679	VV	139	1259	0.07%	0.012%
65	5.682	5.679	5.687	VV	65	350	0.02%	0.003%
66	5.715	5.687	5.727	VV	248	3697	0.21%	0.035%
67	5.732	5.727	5.739	VV	212	1053	0.06%	0.010%
68	5.741	5.739	5.764	VV	212	2437	0.14%	0.023%
69	5.773	5.764	5.787	VV	199	2207	0.12%	0.021%
70	5.810	5.787	5.814	VV	358	3442	0.19%	0.032%
71	5.818	5.814	5.829	VV	236	2019	0.11%	0.019%
72	5.833	5.829	5.869	VV	308	5077	0.28%	0.048%
73	5.880	5.869	5.891	VV	312	3026	0.17%	0.029%
74	5.897	5.891	5.916	VV	270	2872	0.16%	0.027%
75	5.922	5.916	5.934	VV	189	1336	0.07%	0.013%
76	5.936	5.934	5.940	VV	133	453	0.03%	0.004%
77	5.948	5.940	5.958	VV	211	1633	0.09%	0.015%
78	5.968	5.958	5.972	VV	234	1319	0.07%	0.012%
79	5.978	5.972	5.986	VV	201	1273	0.07%	0.012%
80	5.994	5.986	6.000	VV	196	1192	0.07%	0.011%
81	6.006	6.000	6.014	VV	214	1153	0.06%	0.011%
82	6.018	6.014	6.053	VV	166	2000	0.11%	0.019%
83	6.062	6.053	6.067	VV	179	636	0.04%	0.006%
84	6.088	6.067	6.096	VV	116	1103	0.06%	0.010%
85	6.102	6.096	6.119	VV	122	1119	0.06%	0.011%
86	6.124	6.119	6.136	VV	76	466	0.03%	0.004%
87	6.161	6.136	6.166	VV	106	837	0.05%	0.008%
88	6.183	6.166	6.189	VV	176	1241	0.07%	0.012%
89	6.216	6.189	6.228	VV	173	2767	0.15%	0.026%

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90	6.238	6.228	6.257	VV	207	2500	0.14%	0.024%
91	6.292	6.257	6.303	VV	311	6325	0.35%	0.060%
92	6.305	6.303	6.311	VV	297	1220	0.07%	0.012%
93	6.379	6.311	6.392	VV	426	15547	0.86%	0.147%
94	6.397	6.392	6.404	VV	400	2527	0.14%	0.024%
95	6.411	6.404	6.419	VV	370	3064	0.17%	0.029%
96	6.445	6.419	6.473	VV	659	14673	0.82%	0.138%
97	6.484	6.473	6.594	VV	358	18972	1.05%	0.179%
98	6.637	6.594	6.659	VV	486	7463	0.41%	0.070%
99	6.670	6.659	6.672	VV	155	830	0.05%	0.008%
100	6.679	6.672	6.691	VV	173	1474	0.08%	0.014%
101	6.695	6.691	6.715	VV	150	1576	0.09%	0.015%
102	6.719	6.715	6.723	VV	125	407	0.02%	0.004%
103	6.742	6.723	6.767	VV	332	5705	0.32%	0.054%
104	6.770	6.767	6.804	VV	174	2597	0.14%	0.025%
105	6.815	6.804	6.860	VV	174	3698	0.21%	0.035%
106	6.885	6.860	6.901	VV	235	3475	0.19%	0.033%
107	6.909	6.901	6.942	VV	166	2560	0.14%	0.024%
108	6.950	6.942	6.976	VV	113	803	0.04%	0.008%
109	6.996	6.976	7.011	PV	99	893	0.05%	0.008%
110	7.015	7.011	7.021	VV	70	268	0.01%	0.003%
111	7.060	7.021	7.092	VV	182	4427	0.25%	0.042%
112	7.097	7.092	7.114	VV	114	748	0.04%	0.007%
113	7.128	7.114	7.152	VV	166	1310	0.07%	0.012%
114	7.166	7.152	7.214	VV	88	2268	0.13%	0.021%
115	7.236	7.214	7.242	VV	234	2306	0.13%	0.022%
116	7.273	7.242	7.282	VV	355	6192	0.34%	0.058%
117	7.304	7.282	7.336	VV	432	12423	0.69%	0.117%
118	7.348	7.336	7.364	VV	495	6878	0.38%	0.065%
119	7.369	7.364	7.372	VV	372	1758	0.10%	0.017%
120	7.389	7.372	7.404	VV	433	6863	0.38%	0.065%
121	7.408	7.404	7.411	VV	424	1621	0.09%	0.015%
122	7.431	7.411	7.434	VV	418	5233	0.29%	0.049%
123	7.438	7.434	7.440	VV	383	1312	0.07%	0.012%
124	7.450	7.440	7.506	VV	539	13217	0.73%	0.125%
125	7.519	7.506	7.527	VV	303	2830	0.16%	0.027%
126	7.537	7.527	7.547	VV	275	2540	0.14%	0.024%
127	7.553	7.547	7.577	VV	272	3929	0.22%	0.037%
128	7.582	7.577	7.594	VV	252	2355	0.13%	0.022%
129	7.633	7.594	7.651	VV	362	9094	0.51%	0.086%
130	7.688	7.651	7.758	VV	433	16398	0.91%	0.155%
131	7.785	7.758	7.792	VV	192	2705	0.15%	0.026%
132	7.796	7.792	7.819	VV	241	2890	0.16%	0.027%
133	7.861	7.819	7.886	VV	218	4642	0.26%	0.044%
134	7.899	7.886	7.904	PV	81	624	0.03%	0.006%
135	7.910	7.904	7.925	PV	107	815	0.05%	0.008%
136	7.969	7.925	8.011	VV	4728	63393	3.52%	0.598%
137	8.013	8.011	8.052	VV	285	4460	0.25%	0.042%
138	8.058	8.052	8.062	VV	217	1118	0.06%	0.011%
139	8.102	8.062	8.119	VV	610	13494	0.75%	0.127%
140	8.143	8.119	8.198	VV	5026	66487	3.70%	0.627%
141	8.207	8.198	8.229	VV	154	1894	0.11%	0.018%

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142	8.233	8.229	8.239	PV	67	313	0.02%	0.003%
143	8.252	8.239	8.269	VV	160	1702	0.09%	0.016%
144	8.289	8.269	8.307	VV	253	3263	0.18%	0.031%
145	8.328	8.307	8.334	VV	179	1892	0.11%	0.018%
146	8.337	8.334	8.349	VV	177	963	0.05%	0.009%
147	8.378	8.349	8.419	VV	339	5950	0.33%	0.056%
148	8.436	8.419	8.471	VV	256	5269	0.29%	0.050%
149	8.474	8.471	8.481	VV	181	854	0.05%	0.008%
150	8.486	8.481	8.496	VV	186	970	0.05%	0.009%
151	8.501	8.496	8.516	VV	126	1342	0.07%	0.013%
152	8.567	8.516	8.656	VV	1142	39912	2.22%	0.377%
153	8.703	8.656	8.782	VV	1198	49711	2.76%	0.469%
154	8.791	8.782	8.796	VV	472	3629	0.20%	0.034%
155	8.800	8.796	8.834	VV	455	7731	0.43%	0.073%
156	8.839	8.834	8.848	VV	275	1714	0.10%	0.016%
157	8.852	8.848	8.856	VV	219	945	0.05%	0.009%
158	8.861	8.856	8.869	VV	161	1129	0.06%	0.011%
159	8.891	8.869	8.896	VV	184	2077	0.12%	0.020%
160	8.931	8.896	8.980	VV	445	10329	0.57%	0.097%
161	9.014	8.980	9.042	VV	548	12791	0.71%	0.121%
162	9.098	9.042	9.162	VV	785	26015	1.45%	0.245%
163	9.175	9.162	9.203	VV	154	2641	0.15%	0.025%
164	9.245	9.203	9.276	VV	278	6803	0.38%	0.064%
165	9.300	9.276	9.337	VV	584	11077	0.62%	0.105%
166	9.346	9.337	9.350	VV	258	1701	0.09%	0.016%
167	9.353	9.350	9.374	VV	230	3007	0.17%	0.028%
168	9.394	9.374	9.411	VV	629	10032	0.56%	0.095%
169	9.430	9.411	9.466	VV	1031	19893	1.11%	0.188%
170	9.472	9.466	9.501	VV	355	4913	0.27%	0.046%
171	9.504	9.501	9.509	VV	109	514	0.03%	0.005%
172	9.516	9.509	9.521	VV	120	711	0.04%	0.007%
173	9.525	9.521	9.532	VV	150	609	0.03%	0.006%
174	9.570	9.532	9.634	VV	798	15630	0.87%	0.147%
175	9.637	9.634	9.642	VV	76	226	0.01%	0.002%
176	9.701	9.642	9.726	PV	127	2267	0.13%	0.021%
177	9.758	9.726	9.789	VV	829	18612	1.03%	0.176%
178	9.800	9.789	9.829	VV	523	9545	0.53%	0.090%
179	9.852	9.829	9.907	VV	605	19578	1.09%	0.185%
180	9.921	9.907	9.937	VV	410	6055	0.34%	0.057%
181	9.946	9.937	9.981	VV	374	4657	0.26%	0.044%
182	10.006	9.981	10.041	VV	1205	23779	1.32%	0.224%
183	10.064	10.041	10.279	VV	35088	1060858	58.98%	10.009%
184	10.294	10.279	10.366	VV	1517	63115	3.51%	0.595%
185	10.373	10.366	10.389	VV	852	11160	0.62%	0.105%
186	10.397	10.389	10.461	VV	735	24654	1.37%	0.233%
187	10.526	10.461	10.584	VV	16323	262205	14.58%	2.474%
188	10.590	10.584	10.617	VV	1028	15907	0.88%	0.150%
189	10.639	10.617	10.686	VV	784	23279	1.29%	0.220%
190	10.726	10.686	10.754	VV	920	22694	1.26%	0.214%
191	10.784	10.754	10.792	VV	401	7809	0.43%	0.074%
192	10.826	10.792	10.860	VV	578	18189	1.01%	0.172%
193	10.884	10.860	10.894	VV	1069	14457	0.80%	0.136%
194	10.905	10.894	10.927	VV	1020	14952	0.83%	0.141%

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195	10.936	10.927	10.951	VV	464	5611	0.31%	0.053%
196	10.976	10.951	11.006	VV	1459	24654	1.37%	0.233%
197	11.039	11.006	11.098	VV	323	10658	0.59%	0.101%
198	11.156	11.098	11.169	VV	440	11827	0.66%	0.112%
199	11.209	11.169	11.242	VV	1356	33187	1.85%	0.313%
200	11.275	11.242	11.372	VV	1347	55656	3.09%	0.525%
201	11.389	11.372	11.410	VV	406	7551	0.42%	0.071%
202	11.427	11.410	11.470	VV	408	9104	0.51%	0.086%
203	11.540	11.470	11.559	PV	334	10732	0.60%	0.101%
204	11.608	11.559	11.646	VV	1165	27181	1.51%	0.256%
205	11.694	11.646	11.730	VV	2393	40501	2.25%	0.382%
206	11.779	11.730	11.794	PV	692	11584	0.64%	0.109%
207	11.806	11.794	11.833	VV	588	7624	0.42%	0.072%
208	11.889	11.833	11.951	PV	2015	41502	2.31%	0.392%
209	11.972	11.951	11.988	VV	538	7472	0.42%	0.070%
210	12.039	11.988	12.072	VV	1266	35520	1.97%	0.335%
211	12.103	12.072	12.120	VV	1024	19218	1.07%	0.181%
212	12.131	12.120	12.154	VV	625	10644	0.59%	0.100%
213	12.169	12.154	12.193	VV	476	8595	0.48%	0.081%
214	12.280	12.193	12.306	VV	1223	33558	1.87%	0.317%
215	12.337	12.306	12.356	VV	666	14611	0.81%	0.138%
216	12.391	12.356	12.442	VV	1300	32414	1.80%	0.306%
217	12.447	12.442	12.470	VV	272	2574	0.14%	0.024%
218	12.489	12.470	12.506	VV	277	3486	0.19%	0.033%
219	12.541	12.506	12.596	VV	134855	1798702	100.00%	16.970%
220	12.604	12.596	12.626	VV	2821	46091	2.56%	0.435%
221	12.640	12.626	12.736	VV	2344	98461	5.47%	0.929%
222	12.764	12.736	12.801	VV	887	27205	1.51%	0.257%
223	12.853	12.801	12.882	VV	1480	37528	2.09%	0.354%
224	12.917	12.882	12.937	VV	1830	37135	2.06%	0.350%
225	12.949	12.937	12.970	VV	1220	20165	1.12%	0.190%
226	13.004	12.970	13.019	VV	4183	76421	4.25%	0.721%
227	13.035	13.019	13.114	VV	5259	124697	6.93%	1.176%
228	13.134	13.114	13.147	VV	773	12057	0.67%	0.114%
229	13.167	13.147	13.210	VV	2629	45897	2.55%	0.433%
230	13.246	13.210	13.270	VV	454	10517	0.58%	0.099%
231	13.328	13.270	13.394	PV	6860	155690	8.66%	1.469%
232	13.417	13.394	13.467	VV	1218	35224	1.96%	0.332%
233	13.490	13.467	13.507	VV	587	11806	0.66%	0.111%
234	13.558	13.507	13.586	VV	4582	90575	5.04%	0.855%
235	13.606	13.586	13.654	VV	4318	87619	4.87%	0.827%
236	13.673	13.654	13.731	VV	1233	34575	1.92%	0.326%
237	13.765	13.731	13.886	VV	44622	657164	36.54%	6.200%
238	13.911	13.886	13.924	VV	790	15241	0.85%	0.144%
239	13.949	13.924	13.997	VV	1161	32777	1.82%	0.309%
240	14.032	13.997	14.052	PV	339	6333	0.35%	0.060%
241	14.077	14.052	14.098	VV	1533	25694	1.43%	0.242%
242	14.117	14.098	14.151	VV	1784	28716	1.60%	0.271%
243	14.173	14.151	14.186	VV	669	8594	0.48%	0.081%
244	14.204	14.186	14.224	VV	1002	13680	0.76%	0.129%
245	14.249	14.224	14.298	VV	3368	50475	2.81%	0.476%
246	14.351	14.298	14.384	PV	1075	22966	1.28%	0.217%

rteres

247	14.447	14.384	14.456	VV	181	8194	0.46%	0.077%
248	14.516	14.456	14.579	VV	1942	64671	3.60%	0.610%
249	14.629	14.579	14.651	VV	1651	40654	2.26%	0.384%
250	14.680	14.651	14.726	VV	2851	67334	3.74%	0.635%
251	14.756	14.726	14.771	VV	1673	37904	2.11%	0.358%
252	14.790	14.771	14.802	VV	1708	30447	1.69%	0.287%
253	14.810	14.802	14.866	VV	1585	47590	2.65%	0.449%
254	14.907	14.866	14.981	VV	3389	128015	7.12%	1.208%
255	15.018	14.981	15.059	VV	99019	1382185	76.84%	13.040%
256	15.073	15.059	15.091	VV	1658	26478	1.47%	0.250%
257	15.150	15.091	15.174	VV	2304	69608	3.87%	0.657%
258	15.192	15.174	15.202	VV	1927	28541	1.59%	0.269%
259	15.220	15.202	15.237	VV	2940	47496	2.64%	0.448%
260	15.277	15.237	15.317	VV	3199	106074	5.90%	1.001%
261	15.335	15.317	15.352	VV	1454	26673	1.48%	0.252%
262	15.374	15.352	15.401	VV	1157	28169	1.57%	0.266%
263	15.423	15.401	15.433	VV	1322	19468	1.08%	0.184%
264	15.442	15.433	15.471	VV	1021	15266	0.85%	0.144%
265	15.509	15.471	15.522	VV	282	6126	0.34%	0.058%
266	15.603	15.522	15.715	PV	34665	602858	33.52%	5.688%
267	15.742	15.715	15.776	VV	3247	56229	3.13%	0.530%
268	15.800	15.776	15.848	VV	3296	66907	3.72%	0.631%
269	15.887	15.848	15.907	PV	1496	28453	1.58%	0.268%
270	15.916	15.907	15.936	VV	771	9667	0.54%	0.091%
271	15.960	15.936	15.986	VV	4070	64331	3.58%	0.607%
272	16.068	15.986	16.102	VV	1284	76760	4.27%	0.724%
273	16.126	16.102	16.151	VV	1466	29495	1.64%	0.278%
274	16.172	16.151	16.197	VV	925	20610	1.15%	0.194%
275	16.243	16.197	16.296	VV	3713	85655	4.76%	0.808%
276	16.331	16.296	16.357	VV	866	24341	1.35%	0.230%
277	16.380	16.357	16.402	VV	790	12291	0.68%	0.116%
278	16.455	16.402	16.481	PV	1084	26720	1.49%	0.252%
279	16.538	16.481	16.572	VV	1138	27285	1.52%	0.257%
280	16.620	16.572	16.662	PV	3283	57573	3.20%	0.543%
281	16.683	16.662	16.693	PV	788	8879	0.49%	0.084%
282	16.728	16.693	16.749	VV	3205	44012	2.45%	0.415%
283	16.758	16.749	16.764	VV	209	1119	0.06%	0.011%
284	16.797	16.764	16.847	PV	3754	106867	5.94%	1.008%
285	16.867	16.847	16.881	VV	1826	32579	1.81%	0.307%
286	16.894	16.881	16.912	VV	1908	25530	1.42%	0.241%
287	16.937	16.912	16.976	VV	2941	65757	3.66%	0.620%
288	16.993	16.976	17.018	VV	1663	32061	1.78%	0.302%
289	17.036	17.018	17.056	VV	1611	27461	1.53%	0.259%
290	17.083	17.056	17.096	VV	1181	22507	1.25%	0.212%
291	17.113	17.096	17.147	VV	2815	44420	2.47%	0.419%
292	17.193	17.147	17.272	PV	5964	188748	10.49%	1.781%
293	17.298	17.272	17.321	VV	1502	32538	1.81%	0.307%
294	17.333	17.321	17.349	PV	705	7140	0.40%	0.067%
295	17.393	17.349	17.409	PV	1545	39112	2.17%	0.369%
296	17.442	17.409	17.469	VV	2630	55828	3.10%	0.527%

Sum of corrected areas: 10599387

rteres

FF042225.M Wed May 14 06:57:41 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF051325\
Data File : FF015838.D
Signal(s) : FID2B.ch
Acq On : 13 May 2025 18:21
Operator : YP\AJ
Sample : Q1982-06
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-6

Integration File: autoint1.e
Quant Time: May 14 05:51:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF042225.M
Quant Title :
QLast Update : Tue Apr 22 11:27:50 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	1353242	11.992 ug/ml
Target Compounds			

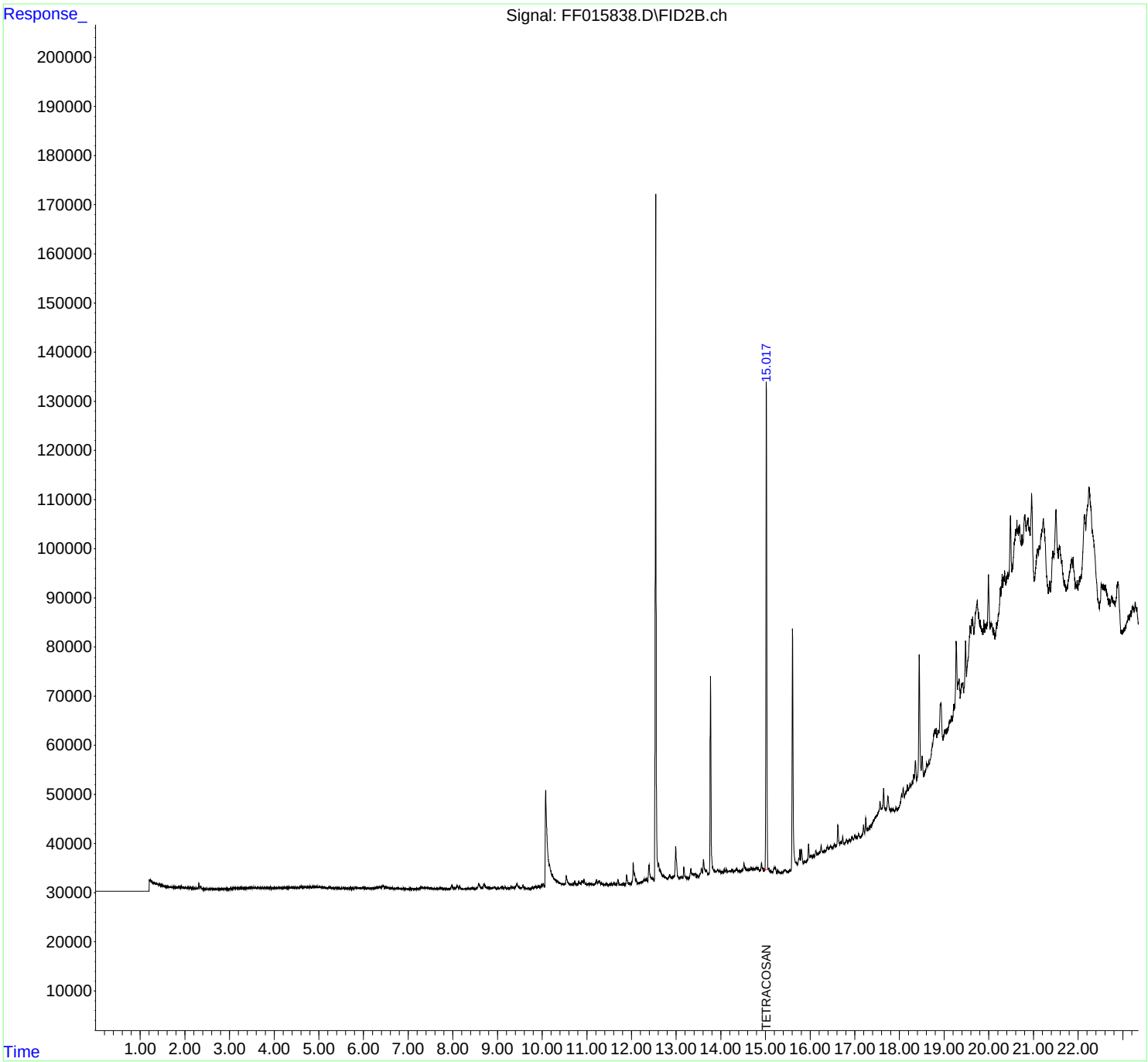
(f)=RT Delta > 1/2 Window (m)=manual int.

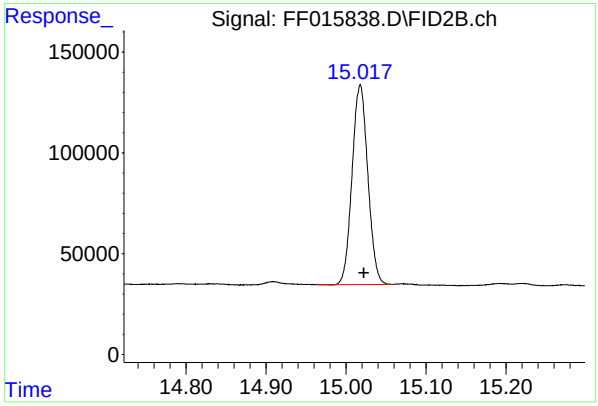
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF051325\
Data File : FF015838.D
Signal(s) : FID2B.ch
Acq On : 13 May 2025 18:21
Operator : YP\AJ
Sample : Q1982-06
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-6

Integration File: autoint1.e
Quant Time: May 14 05:51:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF042225.M
Quant Title :
QLast Update : Tue Apr 22 11:27:50 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.: -0.005 mi
Response: 1353242
Conc: 11.99 ug/m

Instrument :
FID_F
ClientSampleId :
TP-6

11

A B C D E F G H I J

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF051325\
Data File : FF015838.D
Signal(s) : FID2B.ch
Acq On : 13 May 2025 18:21
Sample : Q1982-06
Misc :
ALS Vial : 77 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF042225.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.324	4.300	4.339	BV	62	66	0.00%	0.001%
2	4.349	4.339	4.357	PV	112	671	0.04%	0.007%
3	4.369	4.357	4.377	VV	149	937	0.05%	0.009%
4	4.399	4.377	4.411	VV	167	2198	0.12%	0.022%
5	4.415	4.411	4.421	VV	122	469	0.02%	0.005%
6	4.430	4.421	4.441	VV	104	812	0.04%	0.008%
7	4.470	4.441	4.486	VV	126	1628	0.09%	0.016%
8	4.496	4.486	4.515	VV	141	1572	0.08%	0.016%
9	4.520	4.515	4.541	VV	132	1363	0.07%	0.014%
10	4.549	4.541	4.555	VV	163	841	0.04%	0.008%
11	4.574	4.555	4.587	VV	243	2955	0.16%	0.030%
12	4.609	4.587	4.629	VV	267	4497	0.24%	0.045%
13	4.632	4.629	4.642	VV	240	1285	0.07%	0.013%
14	4.647	4.642	4.657	VV	195	1515	0.08%	0.015%
15	4.661	4.657	4.665	VV	231	704	0.04%	0.007%
16	4.683	4.665	4.714	VV	364	6188	0.33%	0.062%
17	4.729	4.714	4.733	VV	214	1476	0.08%	0.015%
18	4.739	4.733	4.743	VV	181	920	0.05%	0.009%
19	4.766	4.743	4.773	VV	320	4379	0.23%	0.044%
20	4.807	4.773	4.827	VV	367	9370	0.50%	0.094%
21	4.838	4.827	4.850	VV	306	3320	0.18%	0.033%
22	4.889	4.850	4.894	VV	338	6991	0.37%	0.070%
23	4.900	4.894	4.904	VV	355	1816	0.10%	0.018%
24	4.909	4.904	4.914	VV	333	1722	0.09%	0.017%
25	4.930	4.914	4.937	VV	326	3940	0.21%	0.040%
26	4.948	4.937	4.952	VV	342	2633	0.14%	0.026%
27	4.962	4.952	4.970	VV	370	3010	0.16%	0.030%
28	4.973	4.970	4.979	VV	359	1544	0.08%	0.016%
29	4.984	4.979	4.993	VV	318	2393	0.13%	0.024%
30	5.000	4.993	5.006	VV	302	2198	0.12%	0.022%
31	5.024	5.006	5.031	VV	333	4374	0.23%	0.044%
32	5.034	5.031	5.043	VV	303	1890	0.10%	0.019%
33	5.046	5.043	5.055	VV	275	1623	0.09%	0.016%
34	5.061	5.055	5.065	VV	299	1550	0.08%	0.016%
35	5.071	5.065	5.084	VV	303	2578	0.14%	0.026%
36	5.088	5.084	5.092	VV	199	1024	0.05%	0.010%

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37	5.097	5.092	5.111	VV	279	2520	0.13%	0.025%
38	5.127	5.111	5.134	VV	259	3000	0.16%	0.030%
39	5.139	5.134	5.157	VV	220	2314	0.12%	0.023%
40	5.164	5.157	5.192	VV	163	3183	0.17%	0.032%
41	5.199	5.192	5.214	VV	170	1740	0.09%	0.017%
42	5.240	5.214	5.252	VV	255	4413	0.23%	0.044%
43	5.256	5.252	5.267	VV	174	1292	0.07%	0.013%
44	5.272	5.267	5.303	VV	209	2865	0.15%	0.029%
45	5.308	5.303	5.329	VV	101	1141	0.06%	0.011%
46	5.336	5.329	5.345	VV	115	888	0.05%	0.009%
47	5.349	5.345	5.353	VV	110	373	0.02%	0.004%
48	5.358	5.353	5.374	PV	123	930	0.05%	0.009%
49	5.377	5.374	5.396	VV	125	1027	0.05%	0.010%
50	5.399	5.396	5.438	VV	130	1995	0.11%	0.020%
51	5.441	5.438	5.466	VV	143	1414	0.07%	0.014%
52	5.470	5.466	5.479	VV	117	570	0.03%	0.006%
53	5.483	5.479	5.499	VV	115	849	0.04%	0.009%
54	5.502	5.499	5.524	VV	133	1131	0.06%	0.011%
55	5.530	5.524	5.541	VV	100	780	0.04%	0.008%
56	5.556	5.541	5.568	VV	223	2029	0.11%	0.020%
57	5.571	5.568	5.615	VV	174	2091	0.11%	0.021%
58	5.619	5.615	5.640	VV	77	784	0.04%	0.008%
59	5.655	5.640	5.660	PV	119	593	0.03%	0.006%
60	5.667	5.660	5.681	VV	81	746	0.04%	0.007%
61	5.686	5.681	5.689	VV	64	300	0.02%	0.003%
62	5.693	5.689	5.708	VV	141	799	0.04%	0.008%
63	5.721	5.708	5.725	VV	167	754	0.04%	0.008%
64	5.741	5.725	5.747	PV	138	1351	0.07%	0.014%
65	5.765	5.747	5.786	VV	172	2471	0.13%	0.025%
66	5.804	5.786	5.819	VV	186	2647	0.14%	0.027%
67	5.822	5.819	5.857	VV	185	3795	0.20%	0.038%
68	5.862	5.857	5.866	VV	165	833	0.04%	0.008%
69	5.873	5.866	5.911	VV	194	4394	0.23%	0.044%
70	5.919	5.911	5.925	VV	177	1114	0.06%	0.011%
71	5.927	5.925	5.942	VV	184	1518	0.08%	0.015%
72	5.948	5.942	5.960	VV	169	1537	0.08%	0.015%
73	5.978	5.960	6.000	VV	314	5283	0.28%	0.053%
74	6.003	6.000	6.016	VV	190	1792	0.09%	0.018%
75	6.021	6.016	6.032	VV	225	1184	0.06%	0.012%
76	6.035	6.032	6.055	VV	168	1588	0.08%	0.016%
77	6.068	6.055	6.089	VV	169	2554	0.14%	0.026%
78	6.094	6.089	6.108	VV	182	1472	0.08%	0.015%
79	6.110	6.108	6.115	VV	153	500	0.03%	0.005%
80	6.119	6.115	6.135	VV	194	1360	0.07%	0.014%
81	6.149	6.135	6.169	VV	189	2682	0.14%	0.027%
82	6.185	6.169	6.201	VV	219	2639	0.14%	0.027%
83	6.212	6.201	6.225	VV	187	2095	0.11%	0.021%
84	6.232	6.225	6.240	VV	190	1455	0.08%	0.015%
85	6.247	6.240	6.252	VV	242	1298	0.07%	0.013%
86	6.255	6.252	6.260	VV	233	906	0.05%	0.009%
87	6.291	6.260	6.310	VV	363	8091	0.43%	0.081%
88	6.318	6.310	6.321	VV	309	1900	0.10%	0.019%
89	6.327	6.321	6.334	VV	343	2299	0.12%	0.023%

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90	6.347	6.334	6.356	VV	408	4756	0.25%	0.048%
91	6.397	6.356	6.413	VV	448	13472	0.71%	0.135%
92	6.444	6.413	6.475	VV	800	18370	0.97%	0.185%
93	6.489	6.475	6.503	VV	358	5652	0.30%	0.057%
94	6.507	6.503	6.511	VV	355	1607	0.08%	0.016%
95	6.522	6.511	6.560	VV	412	8894	0.47%	0.089%
96	6.566	6.560	6.592	VV	250	4007	0.21%	0.040%
97	6.608	6.592	6.636	VV	235	4898	0.26%	0.049%
98	6.646	6.636	6.676	VV	228	3832	0.20%	0.039%
99	6.679	6.676	6.699	VV	201	1571	0.08%	0.016%
100	6.702	6.699	6.708	VV	174	530	0.03%	0.005%
101	6.716	6.708	6.731	VV	133	1416	0.07%	0.014%
102	6.751	6.731	6.772	VV	269	4825	0.26%	0.049%
103	6.775	6.772	6.791	VV	210	1734	0.09%	0.017%
104	6.799	6.791	6.813	VV	195	1845	0.10%	0.019%
105	6.819	6.813	6.840	VV	205	1846	0.10%	0.019%
106	6.845	6.840	6.857	VV	108	918	0.05%	0.009%
107	6.862	6.857	6.882	VV	147	1598	0.08%	0.016%
108	6.891	6.882	6.920	VV	179	2758	0.15%	0.028%
109	6.924	6.920	6.950	VV	138	1300	0.07%	0.013%
110	6.958	6.950	6.966	VV	121	602	0.03%	0.006%
111	6.972	6.966	6.981	VV	113	577	0.03%	0.006%
112	6.985	6.981	7.000	VV	93	743	0.04%	0.007%
113	7.001	7.000	7.005	VV	81	181	0.01%	0.002%
114	7.022	7.005	7.046	VV	126	1976	0.10%	0.020%
115	7.076	7.046	7.079	VV	156	1602	0.08%	0.016%
116	7.083	7.079	7.093	VV	98	830	0.04%	0.008%
117	7.097	7.093	7.110	VV	86	779	0.04%	0.008%
118	7.114	7.110	7.126	VV	71	570	0.03%	0.006%
119	7.134	7.126	7.151	VV	87	700	0.04%	0.007%
120	7.158	7.151	7.177	PV	136	1242	0.07%	0.012%
121	7.183	7.177	7.205	VV	141	1578	0.08%	0.016%
122	7.208	7.205	7.212	VV	146	453	0.02%	0.005%
123	7.233	7.212	7.241	VV	184	2438	0.13%	0.025%
124	7.300	7.241	7.311	VV	391	11405	0.60%	0.115%
125	7.314	7.311	7.339	VV	368	5593	0.30%	0.056%
126	7.346	7.339	7.384	VV	374	8175	0.43%	0.082%
127	7.391	7.384	7.408	VV	341	3653	0.19%	0.037%
128	7.430	7.408	7.436	VV	349	4498	0.24%	0.045%
129	7.450	7.436	7.507	VV	401	9807	0.52%	0.099%
130	7.512	7.507	7.529	VV	211	2140	0.11%	0.022%
131	7.532	7.529	7.536	VV	163	634	0.03%	0.006%
132	7.541	7.536	7.561	VV	145	1944	0.10%	0.020%
133	7.567	7.561	7.583	VV	172	1957	0.10%	0.020%
134	7.585	7.583	7.627	VV	163	3138	0.17%	0.032%
135	7.630	7.627	7.634	VV	180	528	0.03%	0.005%
136	7.654	7.634	7.684	VV	200	4092	0.22%	0.041%
137	7.703	7.684	7.724	VV	199	4245	0.22%	0.043%
138	7.728	7.724	7.779	VV	256	3934	0.21%	0.040%
139	7.797	7.779	7.803	VV	132	1388	0.07%	0.014%
140	7.811	7.803	7.834	VV	116	1770	0.09%	0.018%
141	7.836	7.834	7.840	VV	131	293	0.02%	0.003%

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142	7.859	7.840	7.869	PV	146	1849	0.10%	0.019%
143	7.876	7.869	7.882	VV	128	736	0.04%	0.007%
144	7.886	7.882	7.929	VV	99	2743	0.15%	0.028%
145	7.974	7.929	8.052	VV	823	24631	1.30%	0.248%
146	8.099	8.052	8.136	VV	656	20595	1.09%	0.207%
147	8.152	8.136	8.208	VV	593	10798	0.57%	0.109%
148	8.218	8.208	8.249	VV	115	1524	0.08%	0.015%
149	8.270	8.249	8.284	VV	129	1502	0.08%	0.015%
150	8.299	8.284	8.307	VV	97	1274	0.07%	0.013%
151	8.324	8.307	8.367	VV	189	4318	0.23%	0.043%
152	8.376	8.367	8.397	VV	189	1948	0.10%	0.020%
153	8.427	8.397	8.479	VV	277	8128	0.43%	0.082%
154	8.491	8.479	8.509	VV	148	1958	0.10%	0.020%
155	8.579	8.509	8.662	VV	1075	40471	2.14%	0.407%
156	8.701	8.662	8.782	VV	1066	37869	2.00%	0.381%
157	8.802	8.782	8.836	VV	376	8290	0.44%	0.083%
158	8.846	8.836	8.857	VV	219	2144	0.11%	0.022%
159	8.886	8.857	8.904	VV	278	6381	0.34%	0.064%
160	8.934	8.904	8.982	VV	498	12558	0.66%	0.126%
161	9.001	8.982	9.047	VV	281	6626	0.35%	0.067%
162	9.106	9.047	9.147	VV	429	16214	0.86%	0.163%
163	9.169	9.147	9.208	VV	466	9442	0.50%	0.095%
164	9.249	9.208	9.280	VV	222	5586	0.30%	0.056%
165	9.302	9.280	9.329	VV	558	9312	0.49%	0.094%
166	9.341	9.329	9.376	VV	375	7098	0.38%	0.071%
167	9.434	9.376	9.520	VV	1097	42010	2.22%	0.422%
168	9.571	9.520	9.642	VV	811	21153	1.12%	0.213%
169	9.648	9.642	9.716	VV	92	2555	0.14%	0.026%
170	9.777	9.716	9.800	PV	271	6784	0.36%	0.068%
171	9.816	9.800	9.834	VV	264	5098	0.27%	0.051%
172	9.854	9.834	9.889	VV	464	10029	0.53%	0.101%
173	9.920	9.889	9.937	VV	502	10607	0.56%	0.107%
174	9.947	9.937	9.963	VV	352	4676	0.25%	0.047%
175	9.985	9.963	10.015	VV	884	17918	0.95%	0.180%
176	10.032	10.015	10.055	VV	930	15709	0.83%	0.158%
177	10.080	10.055	10.321	VV	19823	836420	44.23%	8.411%
178	10.330	10.321	10.456	VV	1384	80588	4.26%	0.810%
179	10.470	10.456	10.484	VV	687	10682	0.56%	0.107%
180	10.507	10.484	10.517	VV	832	13698	0.72%	0.138%
181	10.540	10.517	10.622	VV	2370	76226	4.03%	0.767%
182	10.649	10.622	10.676	VV	655	18184	0.96%	0.183%
183	10.696	10.676	10.707	VV	726	11776	0.62%	0.118%
184	10.729	10.707	10.790	VV	1210	34739	1.84%	0.349%
185	10.818	10.790	10.837	VV	1217	22657	1.20%	0.228%
186	10.848	10.837	10.865	VV	871	12040	0.64%	0.121%
187	10.887	10.865	10.901	VV	1183	19111	1.01%	0.192%
188	10.910	10.901	10.924	VV	1148	13408	0.71%	0.135%
189	10.939	10.924	10.964	VV	1550	22651	1.20%	0.228%
190	10.983	10.964	11.004	VV	650	12258	0.65%	0.123%
191	11.033	11.004	11.056	VV	595	14087	0.74%	0.142%
192	11.072	11.056	11.103	VV	640	14981	0.79%	0.151%
193	11.117	11.103	11.141	VV	480	8998	0.48%	0.090%
194	11.159	11.141	11.171	VV	508	7054	0.37%	0.071%

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195	11.212	11.171	11.243	VV	1332	33721	1.78%	0.339%
196	11.281	11.243	11.316	VV	1096	33573	1.78%	0.338%
197	11.322	11.316	11.402	VV	523	17895	0.95%	0.180%
198	11.429	11.402	11.446	VV	431	8289	0.44%	0.083%
199	11.459	11.446	11.486	VV	402	5336	0.28%	0.054%
200	11.504	11.486	11.520	VV	348	5324	0.28%	0.054%
201	11.537	11.520	11.565	VV	412	8320	0.44%	0.084%
202	11.610	11.565	11.637	VV	657	14022	0.74%	0.141%
203	11.657	11.637	11.671	VV	316	4565	0.24%	0.046%
204	11.696	11.671	11.746	VV	1213	22651	1.20%	0.228%
205	11.784	11.746	11.797	VV	241	4614	0.24%	0.046%
206	11.810	11.797	11.827	VV	264	2798	0.15%	0.028%
207	11.841	11.827	11.867	VV	232	2520	0.13%	0.025%
208	11.891	11.867	11.939	PV	1954	34364	1.82%	0.346%
209	11.964	11.939	11.981	VV	393	5567	0.29%	0.056%
210	12.038	11.981	12.059	VV	4333	73971	3.91%	0.744%
211	12.067	12.059	12.093	VV	2241	32361	1.71%	0.325%
212	12.104	12.093	12.156	VV	1001	16738	0.88%	0.168%
213	12.171	12.156	12.196	VV	294	5270	0.28%	0.053%
214	12.225	12.196	12.246	VV	500	9092	0.48%	0.091%
215	12.281	12.246	12.300	VV	919	18532	0.98%	0.186%
216	12.333	12.300	12.359	VV	937	25288	1.34%	0.254%
217	12.393	12.359	12.445	VV	3726	89789	4.75%	0.903%
218	12.458	12.445	12.481	VV	1061	19184	1.01%	0.193%
219	12.489	12.481	12.506	VV	916	10391	0.55%	0.104%
220	12.542	12.506	12.593	VV	140456	1891265	100.00%	19.018%
221	12.606	12.593	12.629	VV	3902	69754	3.69%	0.701%
222	12.638	12.629	12.697	VV	2669	78094	4.13%	0.785%
223	12.712	12.697	12.809	VV	1345	63874	3.38%	0.642%
224	12.855	12.809	12.907	VV	1395	53318	2.82%	0.536%
225	12.920	12.907	12.936	VV	1001	14790	0.78%	0.149%
226	12.989	12.936	13.061	VV	6987	172536	9.12%	1.735%
227	13.099	13.061	13.116	VV	757	20149	1.07%	0.203%
228	13.130	13.116	13.147	VV	734	12177	0.64%	0.122%
229	13.171	13.147	13.231	VV	2758	60437	3.20%	0.608%
230	13.244	13.231	13.266	VV	545	10407	0.55%	0.105%
231	13.273	13.266	13.288	VV	417	5080	0.27%	0.051%
232	13.327	13.288	13.357	VV	2250	53084	2.81%	0.534%
233	13.373	13.357	13.402	VV	1248	30057	1.59%	0.302%
234	13.422	13.402	13.451	VV	1183	29062	1.54%	0.292%
235	13.458	13.451	13.497	VV	773	18402	0.97%	0.185%
236	13.564	13.497	13.587	VV	2256	68115	3.60%	0.685%
237	13.610	13.587	13.662	VV	3936	105137	5.56%	1.057%
238	13.677	13.662	13.722	VV	1805	47037	2.49%	0.473%
239	13.768	13.722	13.897	VV	41162	687636	36.36%	6.915%
240	13.929	13.897	13.965	VV	1736	59242	3.13%	0.596%
241	13.977	13.965	14.002	VV	1447	28405	1.50%	0.286%
242	14.027	14.002	14.054	VV	1230	33815	1.79%	0.340%
243	14.076	14.054	14.097	VV	1781	35798	1.89%	0.360%
244	14.119	14.097	14.162	VV	1610	49242	2.60%	0.495%
245	14.206	14.162	14.232	VV	1217	48370	2.56%	0.486%
246	14.253	14.232	14.296	VV	1412	45114	2.39%	0.454%

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247	14.356	14.296	14.428	VV	1490	90941	4.81%	0.914%
248	14.448	14.428	14.466	VV	1071	23134	1.22%	0.233%
249	14.516	14.466	14.587	VV	2587	112298	5.94%	1.129%
250	14.603	14.587	14.612	VV	1160	17385	0.92%	0.175%
251	14.631	14.612	14.649	VV	1251	24907	1.32%	0.250%
252	14.680	14.649	14.700	VV	1652	40754	2.15%	0.410%
253	14.719	14.700	14.742	VV	1345	31760	1.68%	0.319%
254	14.756	14.742	14.767	VV	1232	17437	0.92%	0.175%
255	14.791	14.767	14.812	VV	1470	35509	1.88%	0.357%
256	14.839	14.812	14.870	VV	1362	39146	2.07%	0.394%
257	14.909	14.870	14.982	VV	2378	80642	4.26%	0.811%
258	15.018	14.982	15.058	VV	100101	1396102	73.82%	14.039%
259	15.071	15.058	15.149	VV	1177	35296	1.87%	0.355%
260	15.192	15.149	15.209	VV	1289	27192	1.44%	0.273%
261	15.220	15.209	15.252	VV	1262	18262	0.97%	0.184%
262	15.273	15.252	15.297	VV	616	8819	0.47%	0.089%
263	15.305	15.297	15.329	VV	142	1967	0.10%	0.020%
264	15.421	15.329	15.434	PV	505	10146	0.54%	0.102%
265	15.446	15.434	15.494	VV	484	9509	0.50%	0.096%
266	15.604	15.494	15.679	PV	49018	756072	39.98%	7.603%
267	15.685	15.679	15.711	VV	1218	18262	0.97%	0.184%
268	15.768	15.711	15.785	VV	3403	76321	4.04%	0.767%
269	15.803	15.785	15.849	VV	3299	69081	3.65%	0.695%
270	15.877	15.849	15.901	VV	590	12848	0.68%	0.129%
271	15.962	15.901	16.000	VV	3735	73613	3.89%	0.740%
272	16.019	16.000	16.056	VV	1048	29979	1.59%	0.301%
273	16.126	16.056	16.152	VV	1691	56005	2.96%	0.563%
274	16.171	16.152	16.184	VV	887	16029	0.85%	0.161%
275	16.244	16.184	16.291	VV	2232	69461	3.67%	0.698%
276	16.311	16.291	16.324	VV	822	14552	0.77%	0.146%
277	16.382	16.324	16.405	VV	1410	42129	2.23%	0.424%
278	16.459	16.405	16.500	VV	1086	49515	2.62%	0.498%
279	16.542	16.500	16.562	VV	1062	30334	1.60%	0.305%
280	16.620	16.562	16.666	VV	4745	104279	5.51%	1.049%
281	16.686	16.666	16.705	VV	1085	21404	1.13%	0.215%
282	16.727	16.705	16.752	VV	1951	31304	1.66%	0.315%
283	16.815	16.752	16.837	VV	1023	26727	1.41%	0.269%
284	16.885	16.837	16.907	VV	571	17294	0.91%	0.174%
285	16.944	16.907	16.969	VV	1015	23305	1.23%	0.234%
286	17.002	16.969	17.027	VV	1022	21899	1.16%	0.220%
287	17.034	17.027	17.051	VV	498	5803	0.31%	0.058%
288	17.084	17.051	17.119	VV	915	19745	1.04%	0.199%
289	17.195	17.119	17.219	PV	1932	28703	1.52%	0.289%
290	17.243	17.219	17.269	VV	2943	39284	2.08%	0.395%
291	17.286	17.269	17.299	VV	411	5487	0.29%	0.055%
292	17.319	17.299	17.332	VV	423	4383	0.23%	0.044%
			Sum of corrected areas:			9944711		

FF042225.M Wed May 14 06:59:15 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF051325\
Data File : FF015839.D
Signal(s) : FID2B.ch
Acq On : 13 May 2025 18:50
Operator : YP\AJ
Sample : Q1982-07
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-8

Integration File: autoint1.e
Quant Time: May 14 05:52:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF042225.M
Quant Title :
QLast Update : Tue Apr 22 11:27:50 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	1210127	10.724 ug/ml
Target Compounds			

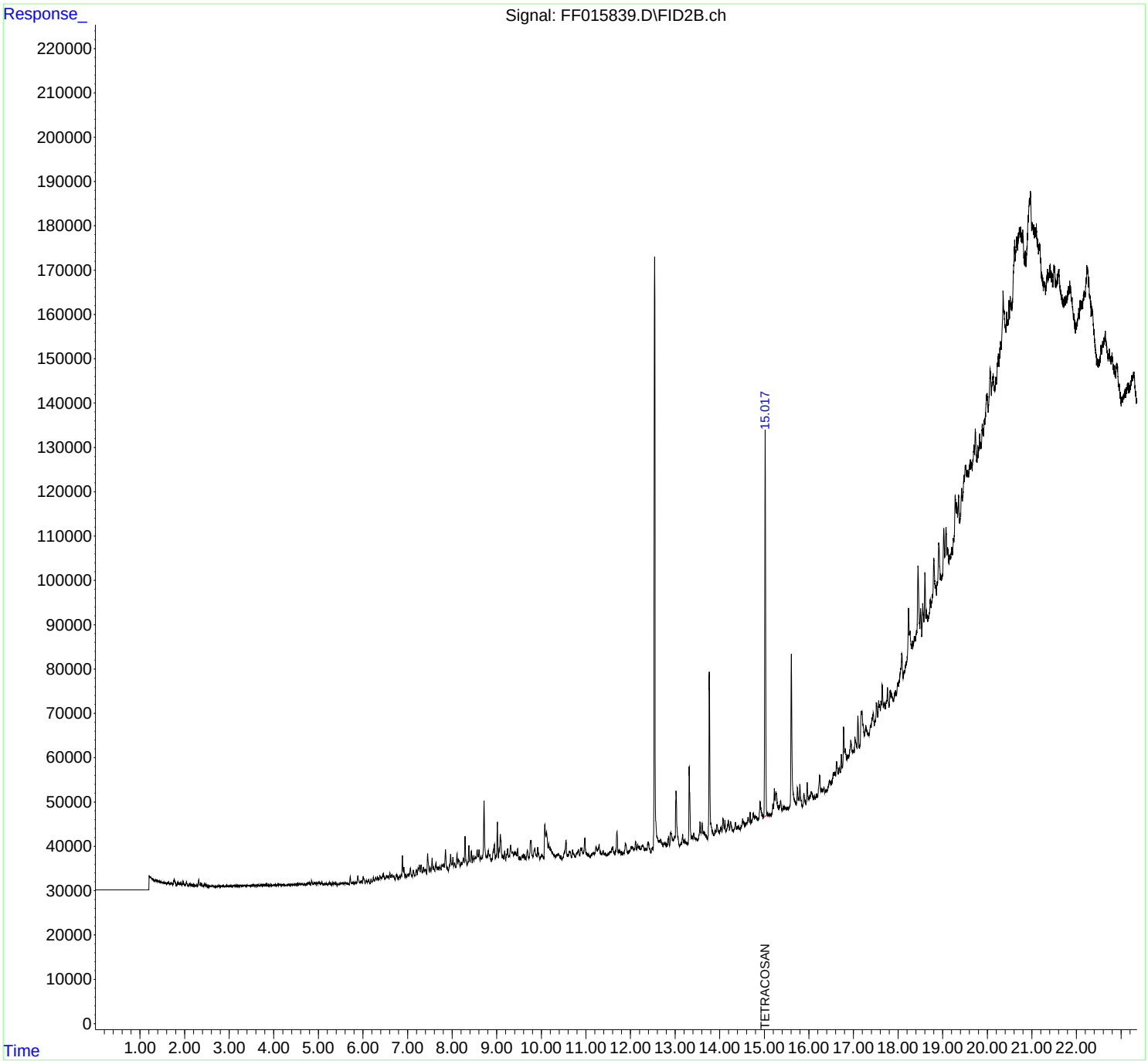
(f)=RT Delta > 1/2 Window (m)=manual int.

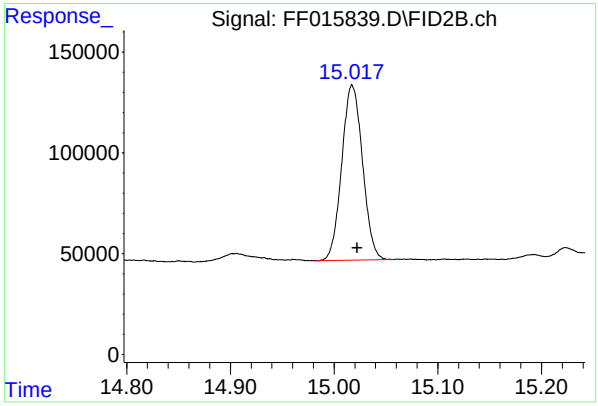
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF051325\
Data File : FF015839.D
Signal(s) : FID2B.ch
Acq On : 13 May 2025 18:50
Operator : YP\AJ
Sample : Q1982-07
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-8

Integration File: autoint1.e
Quant Time: May 14 05:52:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF042225.M
Quant Title :
QLast Update : Tue Apr 22 11:27:50 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.: -0.005 mi
Response: 1210127
Conc: 10.72 ug/m

Instrument :
FID_F
ClientSampleId :
TP-8

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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\FF051325\
Data File : FF015839.D
Signal(s) : FID2B.ch
Acq On : 13 May 2025 18:50
Sample : Q1982-07
Misc :
ALS Vial : 78 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF042225.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.308	4.300	4.326	BV	43	270	0.02%	0.001%
2	4.337	4.326	4.352	PV	169	1501	0.08%	0.008%
3	4.356	4.352	4.363	VV	91	491	0.03%	0.003%
4	4.366	4.363	4.371	VV	147	420	0.02%	0.002%
5	4.379	4.371	4.388	VV	111	1016	0.06%	0.006%
6	4.393	4.388	4.408	VV	149	1419	0.08%	0.008%
7	4.414	4.408	4.421	VV	98	549	0.03%	0.003%
8	4.427	4.421	4.433	PV	110	491	0.03%	0.003%
9	4.458	4.433	4.480	VV	231	4138	0.23%	0.023%
10	4.483	4.480	4.490	VV	171	678	0.04%	0.004%
11	4.504	4.490	4.510	VV	261	2414	0.13%	0.013%
12	4.523	4.510	4.531	VV	257	2537	0.14%	0.014%
13	4.543	4.531	4.554	VV	251	2694	0.15%	0.015%
14	4.580	4.554	4.610	VV	364	9439	0.52%	0.052%
15	4.628	4.610	4.655	VV	380	7593	0.42%	0.042%
16	4.658	4.655	4.668	VV	223	1564	0.09%	0.009%
17	4.687	4.668	4.717	VV	367	6851	0.38%	0.038%
18	4.755	4.717	4.758	VV	459	6789	0.38%	0.037%
19	4.790	4.758	4.829	VV	623	18956	1.05%	0.104%
20	4.848	4.829	4.866	VV	1058	13575	0.75%	0.075%
21	4.873	4.866	4.890	VV	510	6071	0.34%	0.033%
22	4.908	4.890	4.912	VV	530	5770	0.32%	0.032%
23	4.917	4.912	4.952	VV	531	9755	0.54%	0.054%
24	4.975	4.952	4.992	VV	478	9792	0.54%	0.054%
25	5.006	4.992	5.019	VV	664	9504	0.53%	0.052%
26	5.027	5.019	5.051	VV	669	8821	0.49%	0.049%
27	5.078	5.051	5.118	VV	684	15871	0.88%	0.087%
28	5.133	5.118	5.138	VV	347	3176	0.18%	0.017%
29	5.144	5.138	5.166	VV	414	5343	0.30%	0.029%
30	5.179	5.166	5.200	VV	448	6393	0.36%	0.035%
31	5.244	5.200	5.263	VV	743	13030	0.72%	0.072%
32	5.276	5.263	5.302	VV	483	7354	0.41%	0.040%
33	5.321	5.302	5.332	VV	516	6573	0.37%	0.036%
34	5.345	5.332	5.361	VV	655	8116	0.45%	0.045%
35	5.366	5.361	5.375	VV	419	3263	0.18%	0.018%
36	5.388	5.375	5.421	VV	619	9688	0.54%	0.053%

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37	5.442	5.421	5.463	PV	314	4545	0.25%	0.025%
38	5.483	5.463	5.499	VV	503	7391	0.41%	0.041%
39	5.508	5.499	5.516	VV	392	3732	0.21%	0.021%
40	5.524	5.516	5.531	VV	422	3329	0.19%	0.018%
41	5.545	5.531	5.560	VV	525	6924	0.38%	0.038%
42	5.577	5.560	5.594	VV	534	8270	0.46%	0.046%
43	5.605	5.594	5.628	VV	544	8451	0.47%	0.047%
44	5.633	5.628	5.655	VV	405	4958	0.28%	0.027%
45	5.672	5.655	5.689	VV	345	3566	0.20%	0.020%
46	5.716	5.689	5.737	PV	1870	25745	1.43%	0.142%
47	5.746	5.737	5.760	VV	483	5708	0.32%	0.031%
48	5.776	5.760	5.789	VV	482	6224	0.35%	0.034%
49	5.795	5.789	5.809	VV	393	3833	0.21%	0.021%
50	5.830	5.809	5.840	VV	544	7500	0.42%	0.041%
51	5.852	5.840	5.863	VV	450	5538	0.31%	0.030%
52	5.885	5.863	5.922	VV	1862	35192	1.96%	0.194%
53	5.938	5.922	5.942	VV	540	5187	0.29%	0.029%
54	5.949	5.942	5.953	VV	523	3222	0.18%	0.018%
55	5.968	5.953	5.986	VV	797	10770	0.60%	0.059%
56	6.006	5.986	6.050	VV	1711	35577	1.98%	0.196%
57	6.071	6.050	6.099	VV	867	14114	0.78%	0.078%
58	6.132	6.099	6.155	VV	973	18564	1.03%	0.102%
59	6.181	6.155	6.199	PV	1134	13554	0.75%	0.075%
60	6.233	6.199	6.254	VV	1324	24155	1.34%	0.133%
61	6.286	6.254	6.308	VV	1371	30071	1.67%	0.166%
62	6.329	6.308	6.351	VV	1232	24807	1.38%	0.137%
63	6.380	6.351	6.406	VV	1465	35535	1.98%	0.196%
64	6.418	6.406	6.429	VV	1208	14313	0.80%	0.079%
65	6.454	6.429	6.500	VV	1826	53621	2.98%	0.295%
66	6.525	6.500	6.545	VV	1427	29265	1.63%	0.161%
67	6.560	6.545	6.586	VV	1347	25634	1.42%	0.141%
68	6.605	6.586	6.629	VV	2002	34040	1.89%	0.187%
69	6.652	6.629	6.668	VV	1428	27738	1.54%	0.153%
70	6.679	6.668	6.724	VV	1244	28376	1.58%	0.156%
71	6.749	6.724	6.781	VV	1373	31276	1.74%	0.172%
72	6.793	6.781	6.808	VV	639	7843	0.44%	0.043%
73	6.832	6.808	6.845	VV	975	17127	0.95%	0.094%
74	6.859	6.845	6.868	VV	1418	14520	0.81%	0.080%
75	6.885	6.868	6.907	VV	5544	76298	4.24%	0.420%
76	6.920	6.907	6.943	VV	2811	38772	2.16%	0.213%
77	6.957	6.943	6.980	VV	1297	19829	1.10%	0.109%
78	6.998	6.980	7.010	VV	1196	16447	0.91%	0.091%
79	7.027	7.010	7.032	VV	1179	14575	0.81%	0.080%
80	7.036	7.032	7.043	VV	1183	7179	0.40%	0.040%
81	7.063	7.043	7.090	VV	2529	46551	2.59%	0.256%
82	7.098	7.090	7.111	VV	907	9699	0.54%	0.053%
83	7.128	7.111	7.157	VV	1841	35135	1.95%	0.193%
84	7.161	7.157	7.172	VV	820	6485	0.36%	0.036%
85	7.197	7.172	7.217	VV	2014	38619	2.15%	0.213%
86	7.238	7.217	7.249	VV	2226	32442	1.80%	0.179%
87	7.265	7.249	7.282	VV	3044	46989	2.61%	0.259%
88	7.304	7.282	7.332	VV	2935	60346	3.35%	0.332%
89	7.355	7.332	7.374	VV	2337	46290	2.57%	0.255%

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90	7.407	7.374	7.428	VV	1789	49775	2.77%	0.274%
91	7.451	7.428	7.490	VV	5349	107158	5.96%	0.590%
92	7.504	7.490	7.523	VV	2243	34433	1.91%	0.190%
93	7.552	7.523	7.572	VV	4309	72241	4.02%	0.398%
94	7.581	7.572	7.611	VV	2081	40979	2.28%	0.226%
95	7.638	7.611	7.669	VV	3192	77183	4.29%	0.425%
96	7.686	7.669	7.705	VV	2120	38429	2.14%	0.212%
97	7.728	7.705	7.752	VV	2115	48633	2.70%	0.268%
98	7.769	7.752	7.778	VV	2546	32203	1.79%	0.177%
99	7.782	7.778	7.795	VV	2284	22874	1.27%	0.126%
100	7.807	7.795	7.824	VV	2728	41351	2.30%	0.228%
101	7.853	7.824	7.880	VV	5824	115474	6.42%	0.636%
102	7.893	7.880	7.919	VV	1864	33810	1.88%	0.186%
103	7.941	7.919	7.948	VV	2198	28381	1.58%	0.156%
104	7.967	7.948	8.002	VV	4667	96547	5.37%	0.531%
105	8.019	8.002	8.036	VV	3907	59195	3.29%	0.326%
106	8.055	8.036	8.083	VV	2619	59514	3.31%	0.328%
107	8.110	8.083	8.128	VV	4555	82298	4.57%	0.453%
108	8.142	8.128	8.153	VV	3393	45999	2.56%	0.253%
109	8.162	8.153	8.179	VV	3045	38811	2.16%	0.214%
110	8.210	8.179	8.226	VV	2559	61972	3.44%	0.341%
111	8.253	8.226	8.269	VV	3402	73831	4.10%	0.406%
112	8.291	8.269	8.335	VV	8336	162954	9.06%	0.897%
113	8.376	8.335	8.404	VV	6173	134909	7.50%	0.742%
114	8.431	8.404	8.452	VV	4874	100606	5.59%	0.554%
115	8.470	8.452	8.489	VV	3786	67700	3.76%	0.373%
116	8.507	8.489	8.514	VV	3341	45452	2.53%	0.250%
117	8.535	8.514	8.543	VV	3363	57128	3.18%	0.314%
118	8.562	8.543	8.586	VV	4997	104269	5.80%	0.574%
119	8.605	8.586	8.625	VV	4954	90252	5.02%	0.497%
120	8.645	8.625	8.667	VV	3207	74009	4.11%	0.407%
121	8.717	8.667	8.761	VV	15889	350089	19.46%	1.927%
122	8.788	8.761	8.793	VV	3334	61631	3.43%	0.339%
123	8.809	8.793	8.838	VV	4621	104757	5.82%	0.577%
124	8.842	8.838	8.875	VV	3467	63750	3.54%	0.351%
125	8.891	8.875	8.901	VV	2730	37937	2.11%	0.209%
126	8.919	8.901	8.929	VV	4394	62000	3.45%	0.341%
127	8.949	8.929	8.971	VV	5825	110992	6.17%	0.611%
128	8.986	8.971	8.995	VV	3356	44157	2.45%	0.243%
129	9.015	8.995	9.038	VV	10679	156714	8.71%	0.863%
130	9.056	9.038	9.065	VV	4722	63829	3.55%	0.351%
131	9.082	9.065	9.125	VV	7951	189585	10.54%	1.043%
132	9.144	9.125	9.160	VV	2909	57390	3.19%	0.316%
133	9.179	9.160	9.202	VV	4082	76233	4.24%	0.420%
134	9.243	9.202	9.267	VV	4517	125586	6.98%	0.691%
135	9.312	9.267	9.344	VV	5242	170252	9.46%	0.937%
136	9.357	9.344	9.380	VV	3615	73103	4.06%	0.402%
137	9.403	9.380	9.448	VV	3527	129749	7.21%	0.714%
138	9.469	9.448	9.502	VV	4261	96470	5.36%	0.531%
139	9.513	9.502	9.545	VV	2329	53076	2.95%	0.292%
140	9.567	9.545	9.580	VV	2553	47448	2.64%	0.261%
141	9.594	9.580	9.608	VV	2917	41310	2.30%	0.227%

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142	9.623	9.608	9.642	VV	2776	47096	2.62%	0.259%
143	9.645	9.642	9.659	VV	2047	18470	1.03%	0.102%
144	9.689	9.659	9.721	VV	3646	97975	5.45%	0.539%
145	9.759	9.721	9.765	VV	5772	94086	5.23%	0.518%
146	9.771	9.765	9.814	VV	5688	102437	5.69%	0.564%
147	9.854	9.814	9.901	VV	3995	148980	8.28%	0.820%
148	9.920	9.901	9.969	VV	4114	103659	5.76%	0.571%
149	10.005	9.969	10.018	VV	2246	54129	3.01%	0.298%
150	10.025	10.018	10.057	VV	2218	41592	2.31%	0.229%
151	10.079	10.057	10.102	VV	9021	168805	9.38%	0.929%
152	10.119	10.102	10.152	VV	7356	179137	9.96%	0.986%
153	10.167	10.152	10.210	VV	4628	131327	7.30%	0.723%
154	10.221	10.210	10.238	VV	3323	49981	2.78%	0.275%
155	10.248	10.238	10.261	VV	2638	33426	1.86%	0.184%
156	10.266	10.261	10.282	VV	2244	26558	1.48%	0.146%
157	10.293	10.282	10.314	VV	1998	33577	1.87%	0.185%
158	10.352	10.314	10.359	VV	2118	47789	2.66%	0.263%
159	10.378	10.359	10.387	VV	2009	32099	1.78%	0.177%
160	10.393	10.387	10.427	VV	1912	36964	2.05%	0.203%
161	10.445	10.427	10.466	VV	1631	28235	1.57%	0.155%
162	10.485	10.466	10.491	VV	1225	15378	0.85%	0.085%
163	10.553	10.491	10.584	VV	4940	143561	7.98%	0.790%
164	10.599	10.584	10.609	VV	1595	22287	1.24%	0.123%
165	10.627	10.609	10.643	VV	2436	42314	2.35%	0.233%
166	10.649	10.643	10.679	VV	2246	35066	1.95%	0.193%
167	10.702	10.679	10.759	VV	2676	76286	4.24%	0.420%
168	10.794	10.759	10.805	VV	1913	40799	2.27%	0.225%
169	10.833	10.805	10.863	VV	2562	65402	3.64%	0.360%
170	10.883	10.863	10.893	VV	2824	39118	2.17%	0.215%
171	10.905	10.893	10.939	VV	2838	59297	3.30%	0.326%
172	10.976	10.939	11.009	VV	4988	114505	6.37%	0.630%
173	11.022	11.009	11.064	VV	1572	38988	2.17%	0.215%
174	11.072	11.064	11.094	VV	954	14981	0.83%	0.082%
175	11.098	11.094	11.103	VV	782	4223	0.23%	0.023%
176	11.157	11.103	11.172	VV	1504	48366	2.69%	0.266%
177	11.183	11.172	11.194	VV	1376	16540	0.92%	0.091%
178	11.226	11.194	11.257	VV	2851	77276	4.30%	0.425%
179	11.297	11.257	11.343	VV	3227	100844	5.61%	0.555%
180	11.355	11.343	11.369	VV	1114	16447	0.91%	0.091%
181	11.386	11.369	11.409	VV	1697	30258	1.68%	0.167%
182	11.426	11.409	11.449	VV	1055	20617	1.15%	0.113%
183	11.455	11.449	11.469	VV	740	7382	0.41%	0.041%
184	11.500	11.469	11.520	VV	862	22310	1.24%	0.123%
185	11.541	11.520	11.549	VV	1431	19650	1.09%	0.108%
186	11.555	11.549	11.562	VV	1283	9744	0.54%	0.054%
187	11.583	11.562	11.593	VV	2008	29336	1.63%	0.161%
188	11.605	11.593	11.644	VV	2436	44026	2.45%	0.242%
189	11.696	11.644	11.726	VV	5570	115196	6.40%	0.634%
190	11.735	11.726	11.743	VV	1206	10929	0.61%	0.060%
191	11.748	11.743	11.754	VV	1164	7718	0.43%	0.042%
192	11.766	11.754	11.788	VV	1190	18234	1.01%	0.100%
193	11.805	11.788	11.823	VV	1163	14197	0.79%	0.078%
194	11.848	11.823	11.857	VV	696	11337	0.63%	0.062%

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195	11.888	11.857	11.943	VV	2859	80875	4.50%	0.445%
196	11.973	11.943	11.980	VV	999	17160	0.95%	0.094%
197	12.009	11.980	12.024	VV	1857	37204	2.07%	0.205%
198	12.033	12.024	12.077	VV	1946	48333	2.69%	0.266%
199	12.115	12.077	12.139	VV	2938	66735	3.71%	0.367%
200	12.159	12.139	12.178	VV	2340	39446	2.19%	0.217%
201	12.190	12.178	12.234	VV	1828	46196	2.57%	0.254%
202	12.257	12.234	12.269	VV	1881	31908	1.77%	0.176%
203	12.277	12.269	12.318	VV	1985	41242	2.29%	0.227%
204	12.350	12.318	12.367	VV	1128	27410	1.52%	0.151%
205	12.394	12.367	12.459	VV	2494	72132	4.01%	0.397%
206	12.485	12.459	12.504	PV	1055	19134	1.06%	0.105%
207	12.541	12.504	12.599	VV	134342	1798942	100.00%	9.901%
208	12.604	12.599	12.628	VV	3135	46954	2.61%	0.258%
209	12.637	12.628	12.657	VV	2360	38708	2.15%	0.213%
210	12.676	12.657	12.701	VV	2581	56180	3.12%	0.309%
211	12.707	12.701	12.729	VV	1669	21565	1.20%	0.119%
212	12.751	12.729	12.756	VV	1485	19533	1.09%	0.108%
213	12.768	12.756	12.790	VV	1678	28284	1.57%	0.156%
214	12.795	12.790	12.814	VV	1251	13854	0.77%	0.076%
215	12.853	12.814	12.874	VV	2875	58642	3.26%	0.323%
216	12.906	12.874	12.944	VV	3591	104663	5.82%	0.576%
217	12.947	12.944	12.963	VV	1983	21065	1.17%	0.116%
218	12.987	12.963	12.999	VV	2609	46987	2.61%	0.259%
219	13.020	12.999	13.098	VV	12676	251621	13.99%	1.385%
220	13.135	13.098	13.150	PV	833	12899	0.72%	0.071%
221	13.167	13.150	13.203	VV	2592	44190	2.46%	0.243%
222	13.222	13.203	13.239	VV	937	15225	0.85%	0.084%
223	13.247	13.239	13.265	VV	644	5724	0.32%	0.032%
224	13.279	13.265	13.289	VV	439	3987	0.22%	0.022%
225	13.315	13.289	13.365	VV	17481	294631	16.38%	1.622%
226	13.378	13.365	13.395	VV	1628	24151	1.34%	0.133%
227	13.416	13.395	13.462	VV	2131	53205	2.96%	0.293%
228	13.472	13.462	13.496	VV	906	14562	0.81%	0.080%
229	13.502	13.496	13.508	VV	554	3037	0.17%	0.017%
230	13.556	13.508	13.585	VV	4303	95102	5.29%	0.523%
231	13.605	13.585	13.624	VV	4014	63790	3.55%	0.351%
232	13.643	13.624	13.670	VV	2065	45631	2.54%	0.251%
233	13.673	13.670	13.687	VV	1305	10058	0.56%	0.055%
234	13.697	13.687	13.718	VV	1065	11486	0.64%	0.063%
235	13.766	13.718	13.870	PV	37661	583012	32.41%	3.209%
236	13.904	13.870	13.913	VV	1443	26927	1.50%	0.148%
237	13.936	13.913	13.993	VV	2731	74046	4.12%	0.408%
238	14.031	13.993	14.050	VV	1834	44456	2.47%	0.245%
239	14.074	14.050	14.100	VV	3578	68427	3.80%	0.377%
240	14.118	14.100	14.144	VV	3045	40733	2.26%	0.224%
241	14.192	14.144	14.218	VV	2913	71334	3.97%	0.393%
242	14.245	14.218	14.286	VV	2422	56392	3.13%	0.310%
243	14.293	14.286	14.310	VV	418	3527	0.20%	0.019%
244	14.352	14.310	14.377	PV	1963	37242	2.07%	0.205%
245	14.388	14.377	14.395	VV	740	6235	0.35%	0.034%
246	14.404	14.395	14.408	VV	860	5818	0.32%	0.032%

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247	14.413	14.408	14.435	VV	919	10802	0.60%	0.059%
248	14.439	14.435	14.448	VV	522	2643	0.15%	0.015%
249	14.452	14.448	14.464	VV	330	1820	0.10%	0.010%
250	14.512	14.464	14.534	PV	2319	48702	2.71%	0.268%
251	14.540	14.534	14.566	VV	1423	19297	1.07%	0.106%
252	14.636	14.566	14.661	VV	2191	66617	3.70%	0.367%
253	14.680	14.661	14.704	VV	3127	45201	2.51%	0.249%
254	14.752	14.704	14.780	VV	2695	74329	4.13%	0.409%
255	14.799	14.780	14.813	VV	1817	31744	1.76%	0.175%
256	14.817	14.813	14.840	VV	1749	20744	1.15%	0.114%
257	14.851	14.840	14.867	VV	1222	15110	0.84%	0.083%
258	14.905	14.867	14.959	VV	4660	133605	7.43%	0.735%
259	14.962	14.959	14.983	VV	1551	16631	0.92%	0.092%
260	15.017	14.983	15.057	VV	87754	1254026	69.71%	6.902%
261	15.061	15.057	15.090	VV	1330	23476	1.31%	0.129%
262	15.107	15.090	15.121	VV	1271	18426	1.02%	0.101%
263	15.127	15.121	15.135	VV	1063	8228	0.46%	0.045%
264	15.147	15.135	15.165	VV	1077	16714	0.93%	0.092%
265	15.193	15.165	15.204	VV	3093	50425	2.80%	0.278%
266	15.223	15.204	15.240	VV	6484	96365	5.36%	0.530%
267	15.262	15.240	15.299	VV	5610	151128	8.40%	0.832%
268	15.305	15.299	15.317	VV	2314	21795	1.21%	0.120%
269	15.335	15.317	15.343	VV	2194	27828	1.55%	0.153%
270	15.367	15.343	15.401	VV	3199	69048	3.84%	0.380%
271	15.426	15.401	15.435	VV	1642	28314	1.57%	0.156%
272	15.445	15.435	15.458	VV	1638	18266	1.02%	0.101%
273	15.474	15.458	15.488	VV	1464	20116	1.12%	0.111%
274	15.506	15.488	15.526	VV	1249	21827	1.21%	0.120%
275	15.531	15.526	15.536	VV	742	4204	0.23%	0.023%
276	15.604	15.536	15.715	VV	35469	679060	37.75%	3.737%
277	15.741	15.715	15.777	VV	4904	98170	5.46%	0.540%
278	15.796	15.777	15.843	VV	5343	101116	5.62%	0.557%
279	15.847	15.843	15.855	VV	504	2408	0.13%	0.013%
280	15.887	15.855	15.933	PV	2929	61268	3.41%	0.337%
281	15.960	15.933	15.984	VV	4928	72691	4.04%	0.400%
282	16.052	15.984	16.094	VV	2177	92178	5.12%	0.507%
283	16.097	16.094	16.108	VV	707	3810	0.21%	0.021%
284	16.126	16.108	16.144	VV	982	12507	0.70%	0.069%
285	16.173	16.144	16.195	VV	972	16056	0.89%	0.088%
286	16.242	16.195	16.269	VV	4795	105187	5.85%	0.579%
287	16.286	16.269	16.303	VV	1417	24123	1.34%	0.133%
288	16.336	16.303	16.357	VV	1518	32037	1.78%	0.176%
289	16.377	16.357	16.381	VV	561	4954	0.28%	0.027%
290	16.386	16.381	16.404	VV	562	6105	0.34%	0.034%
291	16.461	16.404	16.473	PV	2003	40374	2.24%	0.222%
292	16.478	16.473	16.499	VV	1487	13868	0.77%	0.076%
293	16.549	16.499	16.558	VV	2596	46732	2.60%	0.257%
294	16.564	16.558	16.571	VV	2160	14978	0.83%	0.082%
295	16.581	16.571	16.599	VV	2177	27699	1.54%	0.152%
296	16.622	16.599	16.654	VV	3883	75313	4.19%	0.414%
297	16.678	16.654	16.698	VV	1756	31541	1.75%	0.174%
298	16.702	16.698	16.707	VV	527	2702	0.15%	0.015%
299	16.727	16.707	16.752	VV	4178	58219	3.24%	0.320%

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300	16.777	16.752	16.801	VV	9661	146438	8.14%	0.806%
301	16.814	16.801	16.849	VV	4130	82895	4.61%	0.456%
302	16.870	16.849	16.876	VV	1936	27008	1.50%	0.149%
303	16.888	16.876	16.899	VV	1794	21299	1.18%	0.117%
304	16.939	16.899	16.977	VV	4356	122647	6.82%	0.675%
305	16.983	16.977	16.992	VV	1659	11331	0.63%	0.062%
306	16.996	16.992	17.000	VV	1219	4903	0.27%	0.027%
307	17.032	17.000	17.063	VV	3992	78727	4.38%	0.433%
308	17.067	17.063	17.078	VV	1786	12606	0.70%	0.069%
309	17.097	17.078	17.129	VV	7837	112457	6.25%	0.619%
310	17.170	17.129	17.178	PV	7832	94481	5.25%	0.520%
311	17.191	17.178	17.245	VV	7504	181663	10.10%	1.000%
312	17.274	17.245	17.304	VV	3228	76991	4.28%	0.424%
313	17.307	17.304	17.334	VV	1653	13995	0.78%	0.077%
314	17.338	17.334	17.345	VV	631	2100	0.12%	0.012%
315	17.384	17.345	17.389	PV	1557	23108	1.28%	0.127%
316	17.393	17.389	17.397	VV	1440	6313	0.35%	0.035%
317	17.442	17.397	17.464	VV	3357	88465	4.92%	0.487%

Sum of corrected areas: 18169693

FF042225.M Wed May 14 06:59:39 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF051325\
Data File : FF015840.D
Signal(s) : FID2B.ch
Acq On : 13 May 2025 19:19
Operator : YP\AJ
Sample : Q1982-08
Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-9

Integration File: autoint1.e
Quant Time: May 14 05:52:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF042225.M
Quant Title :
QLast Update : Tue Apr 22 11:27:50 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	1430131	12.673 ug/ml
Target Compounds			

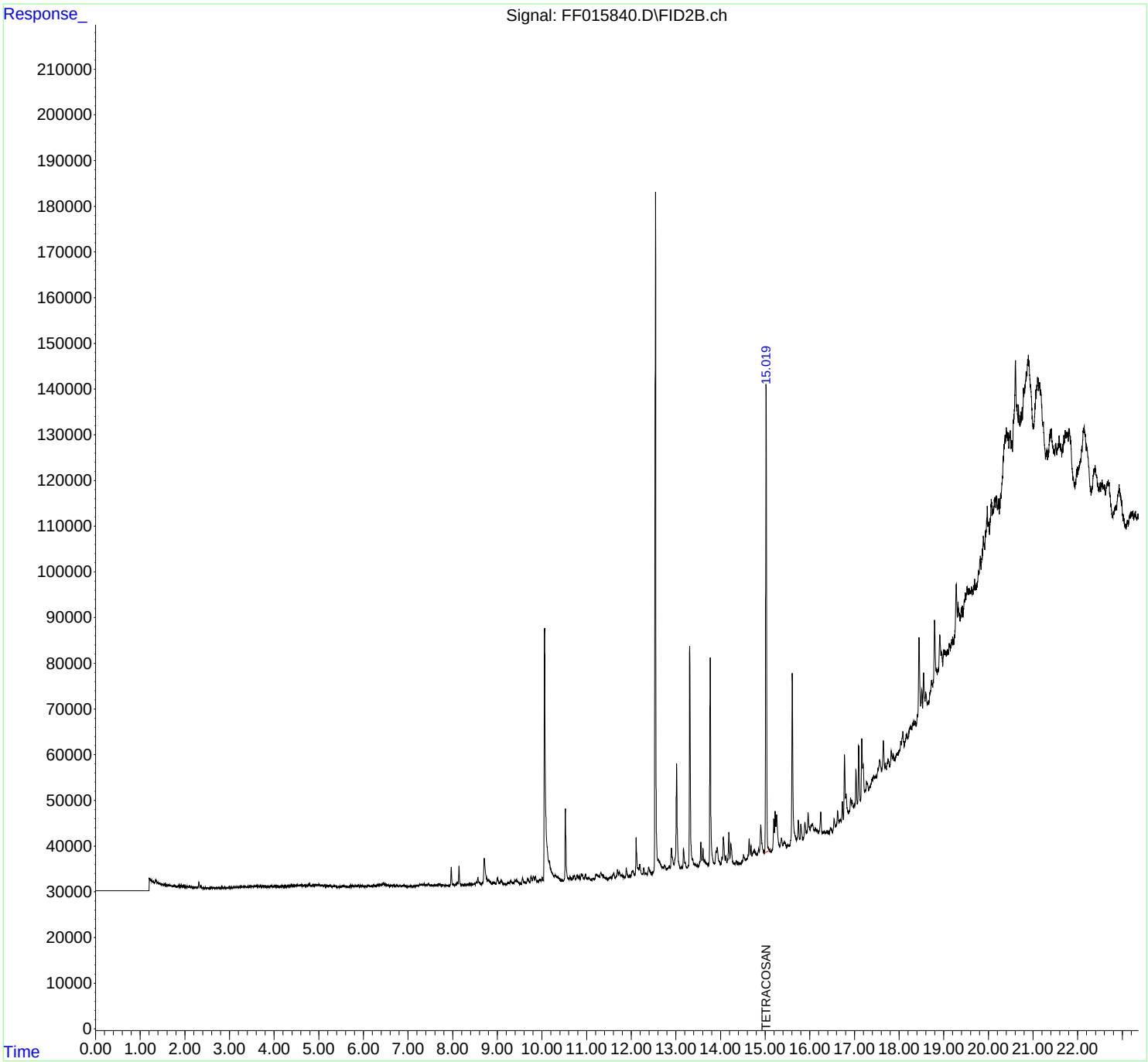
(f)=RT Delta > 1/2 Window (m)=manual int.

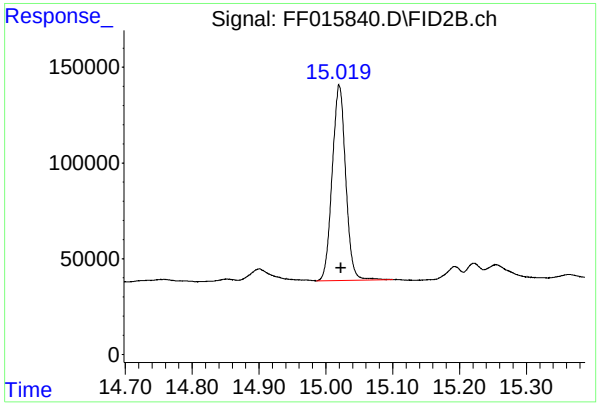
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF051325\
Data File : FF015840.D
Signal(s) : FID2B.ch
Acq On : 13 May 2025 19:19
Operator : YP\AJ
Sample : Q1982-08
Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-9

Integration File: autoint1.e
Quant Time: May 14 05:52:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF042225.M
Quant Title :
QLast Update : Tue Apr 22 11:27:50 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.: -0.002 mi
Response: 1430131
Conc: 12.67 ug/m

Instrument :
FID_F
ClientSampleId :
TP-9

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF051325\
Data File : FF015840.D
Signal(s) : FID2B.ch
Acq On : 13 May 2025 19:19
Sample : Q1982-08
Misc :
ALS Vial : 79 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF042225.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.328	4.300	4.334	BV	140	761	0.04%	0.005%
2	4.360	4.334	4.365	PV	195	2541	0.13%	0.017%
3	4.382	4.365	4.388	VV	278	2799	0.14%	0.019%
4	4.390	4.388	4.411	VV	246	2910	0.15%	0.020%
5	4.445	4.411	4.453	VV	271	5211	0.26%	0.035%
6	4.456	4.453	4.487	VV	275	4835	0.24%	0.032%
7	4.515	4.487	4.532	VV	326	7281	0.37%	0.049%
8	4.537	4.532	4.550	VV	320	2769	0.14%	0.019%
9	4.575	4.550	4.585	VV	425	6834	0.34%	0.046%
10	4.588	4.585	4.612	VV	353	4749	0.24%	0.032%
11	4.622	4.612	4.628	VV	390	2515	0.13%	0.017%
12	4.632	4.628	4.643	VV	350	2664	0.13%	0.018%
13	4.649	4.643	4.665	VV	291	3356	0.17%	0.022%
14	4.687	4.665	4.710	VV	415	7445	0.37%	0.050%
15	4.792	4.710	4.834	VV	616	26697	1.34%	0.179%
16	4.845	4.834	4.862	VV	343	4991	0.25%	0.033%
17	4.879	4.862	4.893	VV	404	6311	0.32%	0.042%
18	4.897	4.893	4.901	VV	411	1702	0.09%	0.011%
19	4.905	4.901	4.914	VV	424	2992	0.15%	0.020%
20	4.921	4.914	4.934	VV	463	4949	0.25%	0.033%
21	4.938	4.934	4.953	VV	442	4619	0.23%	0.031%
22	4.962	4.953	4.978	VV	499	6744	0.34%	0.045%
23	5.004	4.978	5.037	VV	614	17131	0.86%	0.115%
24	5.042	5.037	5.048	VV	431	2741	0.14%	0.018%
25	5.053	5.048	5.068	VV	451	4893	0.25%	0.033%
26	5.075	5.068	5.079	VV	454	2513	0.13%	0.017%
27	5.085	5.079	5.120	VV	455	8430	0.42%	0.056%
28	5.136	5.120	5.142	VV	431	4195	0.21%	0.028%
29	5.143	5.142	5.171	VV	370	5002	0.25%	0.034%
30	5.179	5.171	5.200	VV	296	3782	0.19%	0.025%
31	5.222	5.200	5.230	VV	291	4290	0.22%	0.029%
32	5.244	5.230	5.288	VV	425	9484	0.48%	0.064%
33	5.290	5.288	5.300	VV	168	1146	0.06%	0.008%
34	5.315	5.300	5.326	VV	271	2823	0.14%	0.019%
35	5.345	5.326	5.359	VV	439	5841	0.29%	0.039%
36	5.369	5.359	5.377	VV	335	2916	0.15%	0.020%

rteres

37	5.383	5.377	5.392	VV	244	1620	0.08%	0.011%
38	5.401	5.392	5.415	VV	155	1678	0.08%	0.011%
39	5.420	5.415	5.424	PV	105	409	0.02%	0.003%
40	5.456	5.424	5.476	VV	204	3672	0.18%	0.025%
41	5.491	5.476	5.504	VV	165	1830	0.09%	0.012%
42	5.514	5.504	5.521	VV	218	1606	0.08%	0.011%
43	5.529	5.521	5.534	VV	237	1406	0.07%	0.009%
44	5.546	5.534	5.553	VV	250	2208	0.11%	0.015%
45	5.569	5.553	5.596	VV	457	6746	0.34%	0.045%
46	5.603	5.596	5.621	VV	224	1982	0.10%	0.013%
47	5.625	5.621	5.630	VV	140	666	0.03%	0.004%
48	5.657	5.630	5.684	VV	178	3342	0.17%	0.022%
49	5.718	5.684	5.730	VV	416	6279	0.32%	0.042%
50	5.750	5.730	5.762	VV	426	5247	0.26%	0.035%
51	5.773	5.762	5.788	VV	248	3525	0.18%	0.024%
52	5.801	5.788	5.817	VV	327	4026	0.20%	0.027%
53	5.822	5.817	5.833	VV	271	2327	0.12%	0.016%
54	5.835	5.833	5.856	VV	260	3132	0.16%	0.021%
55	5.859	5.856	5.866	VV	278	1263	0.06%	0.008%
56	5.882	5.866	5.928	VV	459	9974	0.50%	0.067%
57	5.943	5.928	5.954	VV	321	3758	0.19%	0.025%
58	5.974	5.954	5.994	VV	325	5856	0.29%	0.039%
59	6.004	5.994	6.035	VV	261	4698	0.24%	0.031%
60	6.041	6.035	6.047	VV	184	956	0.05%	0.006%
61	6.048	6.047	6.054	VV	209	572	0.03%	0.004%
62	6.081	6.054	6.102	VV	286	5666	0.28%	0.038%
63	6.124	6.102	6.165	VV	307	7889	0.40%	0.053%
64	6.179	6.165	6.199	VV	281	4269	0.21%	0.029%
65	6.209	6.199	6.217	VV	320	2759	0.14%	0.018%
66	6.233	6.217	6.254	VV	504	7816	0.39%	0.052%
67	6.271	6.254	6.275	VV	325	3453	0.17%	0.023%
68	6.304	6.275	6.315	VV	378	8128	0.41%	0.054%
69	6.330	6.315	6.342	VV	471	7000	0.35%	0.047%
70	6.349	6.342	6.353	VV	440	2667	0.13%	0.018%
71	6.377	6.353	6.404	VV	588	14841	0.74%	0.099%
72	6.420	6.404	6.424	VV	539	5900	0.30%	0.040%
73	6.446	6.424	6.469	VV	911	18258	0.92%	0.122%
74	6.472	6.469	6.486	VV	611	5309	0.27%	0.036%
75	6.490	6.486	6.497	VV	454	2903	0.15%	0.019%
76	6.511	6.497	6.590	VV	532	20671	1.04%	0.139%
77	6.604	6.590	6.617	VV	294	3919	0.20%	0.026%
78	6.637	6.617	6.664	VV	424	8566	0.43%	0.057%
79	6.680	6.664	6.714	VV	441	9142	0.46%	0.061%
80	6.721	6.714	6.725	VV	191	1069	0.05%	0.007%
81	6.741	6.725	6.785	VV	465	10615	0.53%	0.071%
82	6.790	6.785	6.796	VV	171	972	0.05%	0.007%
83	6.826	6.796	6.852	VV	299	7117	0.36%	0.048%
84	6.859	6.852	6.873	VV	226	2590	0.13%	0.017%
85	6.884	6.873	6.907	VV	410	5656	0.28%	0.038%
86	6.919	6.907	6.950	VV	373	5015	0.25%	0.034%
87	6.966	6.950	6.975	VV	131	1153	0.06%	0.008%
88	6.997	6.975	7.017	VV	184	2770	0.14%	0.019%
89	7.044	7.017	7.064	VV	249	4461	0.22%	0.030%

rteres

90	7.070	7.064	7.086	VV	247	1847	0.09%	0.012%
91	7.091	7.086	7.094	PV	119	333	0.02%	0.002%
92	7.100	7.094	7.112	VV	145	1169	0.06%	0.008%
93	7.115	7.112	7.120	VV	138	505	0.03%	0.003%
94	7.138	7.120	7.152	VV	214	2772	0.14%	0.019%
95	7.164	7.152	7.174	VV	188	2040	0.10%	0.014%
96	7.194	7.174	7.219	VV	339	6343	0.32%	0.043%
97	7.241	7.219	7.249	VV	339	4659	0.23%	0.031%
98	7.267	7.249	7.282	VV	536	8668	0.44%	0.058%
99	7.310	7.282	7.327	VV	587	12770	0.64%	0.086%
100	7.350	7.327	7.427	VV	539	25369	1.27%	0.170%
101	7.455	7.427	7.517	VV	650	21509	1.08%	0.144%
102	7.543	7.517	7.565	VV	312	7332	0.37%	0.049%
103	7.575	7.565	7.607	VV	275	5572	0.28%	0.037%
104	7.642	7.607	7.667	VV	321	8621	0.43%	0.058%
105	7.689	7.667	7.753	VV	604	17759	0.89%	0.119%
106	7.765	7.753	7.775	VV	241	2631	0.13%	0.018%
107	7.791	7.775	7.802	VV	239	3460	0.17%	0.023%
108	7.810	7.802	7.819	VV	246	1960	0.10%	0.013%
109	7.832	7.819	7.845	VV	194	2433	0.12%	0.016%
110	7.863	7.845	7.886	VV	287	4512	0.23%	0.030%
111	7.894	7.886	7.911	VV	102	1245	0.06%	0.008%
112	7.921	7.911	7.937	VV	115	1725	0.09%	0.012%
113	7.970	7.937	8.041	VV	4182	59411	2.98%	0.398%
114	8.104	8.041	8.124	VV	744	21201	1.06%	0.142%
115	8.143	8.124	8.192	VV	4347	56619	2.84%	0.379%
116	8.204	8.192	8.214	VV	251	2553	0.13%	0.017%
117	8.219	8.214	8.228	VV	213	1236	0.06%	0.008%
118	8.258	8.228	8.275	VV	250	5259	0.26%	0.035%
119	8.295	8.275	8.307	VV	249	3598	0.18%	0.024%
120	8.325	8.307	8.340	VV	287	4246	0.21%	0.028%
121	8.342	8.340	8.353	VV	229	1449	0.07%	0.010%
122	8.378	8.353	8.417	VV	518	10881	0.55%	0.073%
123	8.428	8.417	8.457	VV	309	5731	0.29%	0.038%
124	8.471	8.457	8.495	VV	386	6955	0.35%	0.047%
125	8.536	8.495	8.550	VV	871	18386	0.92%	0.123%
126	8.565	8.550	8.644	VV	1745	42293	2.12%	0.283%
127	8.708	8.644	8.881	VV	5993	225938	11.34%	1.514%
128	8.887	8.881	8.902	VV	512	5073	0.25%	0.034%
129	8.927	8.902	8.971	VV	616	17253	0.87%	0.116%
130	9.001	8.971	9.042	VV	1528	37243	1.87%	0.250%
131	9.098	9.042	9.134	VV	934	32301	1.62%	0.216%
132	9.135	9.134	9.147	VV	308	1803	0.09%	0.012%
133	9.152	9.147	9.162	VV	226	1784	0.09%	0.012%
134	9.178	9.162	9.205	VV	324	4570	0.23%	0.031%
135	9.239	9.205	9.266	PV	529	13513	0.68%	0.091%
136	9.300	9.266	9.343	VV	808	22969	1.15%	0.154%
137	9.347	9.343	9.351	VV	372	1685	0.08%	0.011%
138	9.354	9.351	9.372	VV	366	3841	0.19%	0.026%
139	9.391	9.372	9.402	VV	921	12237	0.61%	0.082%
140	9.409	9.402	9.415	VV	811	5817	0.29%	0.039%
141	9.433	9.415	9.512	VV	1014	28678	1.44%	0.192%

rteres

142	9.518	9.512	9.536	VV	141	1082	0.05%	0.007%
143	9.567	9.536	9.602	PV	1371	27118	1.36%	0.182%
144	9.621	9.602	9.647	VV	427	7990	0.40%	0.054%
145	9.677	9.647	9.730	VV	1078	31318	1.57%	0.210%
146	9.754	9.730	9.785	VV	1630	32934	1.65%	0.221%
147	9.808	9.785	9.835	VV	1655	36575	1.84%	0.245%
148	9.837	9.835	9.841	VV	1102	3694	0.19%	0.025%
149	9.857	9.841	9.909	VV	1582	33515	1.68%	0.225%
150	9.922	9.909	9.929	VV	565	6070	0.30%	0.041%
151	9.931	9.929	9.933	VV	581	1492	0.07%	0.010%
152	9.951	9.933	9.977	VV	915	18842	0.95%	0.126%
153	10.004	9.977	10.022	VV	1285	22184	1.11%	0.149%
154	10.029	10.022	10.036	VV	676	5668	0.28%	0.038%
155	10.058	10.036	10.160	VV	55767	1165775	58.51%	7.813%
156	10.168	10.160	10.277	VV	4775	178922	8.98%	1.199%
157	10.299	10.277	10.340	VV	1682	52205	2.62%	0.350%
158	10.352	10.340	10.445	VV	1299	48214	2.42%	0.323%
159	10.450	10.445	10.473	VV	411	5484	0.28%	0.037%
160	10.526	10.473	10.610	VV	16053	254421	12.77%	1.705%
161	10.627	10.610	10.671	VV	1008	25807	1.30%	0.173%
162	10.700	10.671	10.710	VV	1238	19727	0.99%	0.132%
163	10.727	10.710	10.754	VV	1329	25366	1.27%	0.170%
164	10.788	10.754	10.814	VV	1387	33027	1.66%	0.221%
165	10.835	10.814	10.859	VV	1139	22103	1.11%	0.148%
166	10.882	10.859	10.896	VV	1625	25243	1.27%	0.169%
167	10.907	10.896	10.940	VV	1451	24914	1.25%	0.167%
168	10.978	10.940	11.009	VV	1539	35012	1.76%	0.235%
169	11.014	11.009	11.018	VV	464	2498	0.13%	0.017%
170	11.024	11.018	11.028	VV	488	2762	0.14%	0.019%
171	11.045	11.028	11.061	VV	610	10824	0.54%	0.073%
172	11.065	11.061	11.109	VV	569	7936	0.40%	0.053%
173	11.146	11.109	11.174	VV	418	12069	0.61%	0.081%
174	11.205	11.174	11.218	VV	1360	20780	1.04%	0.139%
175	11.230	11.218	11.265	VV	1302	31087	1.56%	0.208%
176	11.274	11.265	11.295	VV	972	14913	0.75%	0.100%
177	11.317	11.295	11.410	VV	1666	68954	3.46%	0.462%
178	11.418	11.410	11.475	VV	475	10826	0.54%	0.073%
179	11.484	11.475	11.488	PV	196	935	0.05%	0.006%
180	11.507	11.488	11.524	VV	428	7392	0.37%	0.050%
181	11.538	11.524	11.555	VV	503	8470	0.43%	0.057%
182	11.609	11.555	11.642	VV	1444	38372	1.93%	0.257%
183	11.693	11.642	11.713	VV	2072	40532	2.03%	0.272%
184	11.729	11.713	11.765	VV	1490	32762	1.64%	0.220%
185	11.777	11.765	11.794	VV	784	10698	0.54%	0.072%
186	11.807	11.794	11.826	VV	731	9505	0.48%	0.064%
187	11.841	11.826	11.862	VV	273	4040	0.20%	0.027%
188	11.888	11.862	11.952	PV	2050	41327	2.07%	0.277%
189	11.968	11.952	11.985	VV	532	6572	0.33%	0.044%
190	12.016	11.985	12.024	VV	1216	16579	0.83%	0.111%
191	12.039	12.024	12.080	VV	1369	30664	1.54%	0.206%
192	12.110	12.080	12.144	VV	8446	135495	6.80%	0.908%
193	12.153	12.144	12.172	VV	1915	28464	1.43%	0.191%
194	12.188	12.172	12.248	VV	2640	58439	2.93%	0.392%

rteres

195	12.280	12.248	12.312	VV	1735	30425	1.53%	0.204%
196	12.316	12.312	12.324	VV	434	2842	0.14%	0.019%
197	12.331	12.324	12.353	VV	459	5572	0.28%	0.037%
198	12.388	12.353	12.465	VV	1691	48077	2.41%	0.322%
199	12.543	12.465	12.596	VV	149421	1992453	100.00%	13.353%
200	12.608	12.596	12.625	VV	3140	51656	2.59%	0.346%
201	12.639	12.625	12.695	VV	2665	81877	4.11%	0.549%
202	12.708	12.695	12.721	VV	1382	20372	1.02%	0.137%
203	12.745	12.721	12.785	VV	1721	47906	2.40%	0.321%
204	12.801	12.785	12.809	VV	993	11699	0.59%	0.078%
205	12.824	12.809	12.828	VV	975	10281	0.52%	0.069%
206	12.853	12.828	12.871	VV	1531	31081	1.56%	0.208%
207	12.898	12.871	12.959	VV	5299	144096	7.23%	0.966%
208	13.014	12.959	13.108	VV	23627	475773	23.88%	3.189%
209	13.130	13.108	13.148	VV	957	17900	0.90%	0.120%
210	13.171	13.148	13.202	VV	4705	85882	4.31%	0.576%
211	13.209	13.202	13.259	VV	1749	32862	1.65%	0.220%
212	13.279	13.259	13.283	VV	1002	11011	0.55%	0.074%
213	13.309	13.283	13.367	VV	48884	725666	36.42%	4.863%
214	13.375	13.367	13.404	VV	2283	38496	1.93%	0.258%
215	13.424	13.404	13.445	VV	1140	25283	1.27%	0.169%
216	13.451	13.445	13.472	VV	965	13341	0.67%	0.089%
217	13.480	13.472	13.510	VV	851	13855	0.70%	0.093%
218	13.533	13.510	13.538	VV	1515	16503	0.83%	0.111%
219	13.557	13.538	13.582	VV	5756	86322	4.33%	0.579%
220	13.606	13.582	13.630	VV	4305	77361	3.88%	0.518%
221	13.647	13.630	13.665	VV	1666	30042	1.51%	0.201%
222	13.677	13.665	13.695	VV	1053	16755	0.84%	0.112%
223	13.705	13.695	13.719	VV	856	10419	0.52%	0.070%
224	13.733	13.719	13.737	VV	710	6478	0.33%	0.043%
225	13.768	13.737	13.864	VV	45661	692332	34.75%	4.640%
226	13.901	13.864	13.911	VV	3429	62354	3.13%	0.418%
227	13.924	13.911	14.007	VV	4103	105018	5.27%	0.704%
228	14.030	14.007	14.041	VV	1909	26288	1.32%	0.176%
229	14.062	14.041	14.104	VV	6167	127584	6.40%	0.855%
230	14.119	14.104	14.140	VV	2107	29124	1.46%	0.195%
231	14.185	14.140	14.210	VV	7157	117381	5.89%	0.787%
232	14.230	14.210	14.314	VV	4566	106100	5.33%	0.711%
233	14.354	14.314	14.404	VV	611	14194	0.71%	0.095%
234	14.414	14.404	14.467	VV	175	1393	0.07%	0.009%
235	14.514	14.467	14.554	PV	1738	39372	1.98%	0.264%
236	14.575	14.554	14.589	VV	655	9821	0.49%	0.066%
237	14.638	14.589	14.664	VV	4770	89660	4.50%	0.601%
238	14.682	14.664	14.705	VV	3088	48735	2.45%	0.327%
239	14.758	14.705	14.805	VV	1963	81864	4.11%	0.549%
240	14.852	14.805	14.869	VV	1883	42429	2.13%	0.284%
241	14.900	14.869	14.985	VV	7001	192235	9.65%	1.288%
242	15.020	14.985	15.089	VV	102205	1468001	73.68%	9.838%
243	15.093	15.089	15.137	VV	858	16068	0.81%	0.108%
244	15.193	15.137	15.206	VV	7236	113941	5.72%	0.764%
245	15.222	15.206	15.237	VV	8881	127708	6.41%	0.856%
246	15.254	15.237	15.332	VV	7999	210268	10.55%	1.409%

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247	15.365	15.332	15.396	VV	2493	59389	2.98%	0.398%
248	15.420	15.396	15.435	VV	1414	26760	1.34%	0.179%
249	15.439	15.435	15.492	VV	1182	21979	1.10%	0.147%
250	15.510	15.492	15.525	VV	566	7428	0.37%	0.050%
251	15.534	15.525	15.545	VV	290	2911	0.15%	0.020%
252	15.606	15.545	15.705	VV	37564	671102	33.68%	4.498%
253	15.743	15.705	15.777	VV	5049	97486	4.89%	0.653%
254	15.799	15.777	15.837	VV	4114	81261	4.08%	0.545%
255	15.891	15.837	15.923	VV	4125	105393	5.29%	0.706%
256	15.961	15.923	16.006	VV	6024	160026	8.03%	1.072%
257	16.024	16.006	16.034	VV	3192	45315	2.27%	0.304%
258	16.051	16.034	16.092	VV	3269	94384	4.74%	0.633%
259	16.126	16.092	16.155	VV	2096	67681	3.40%	0.454%
260	16.162	16.155	16.199	VV	1533	31927	1.60%	0.214%
261	16.243	16.199	16.277	VV	5270	106716	5.36%	0.715%
262	16.285	16.277	16.290	VV	574	3984	0.20%	0.027%
263	16.317	16.290	16.327	VV	719	12420	0.62%	0.083%
264	16.332	16.327	16.364	VV	676	8985	0.45%	0.060%
265	16.380	16.364	16.404	VV	690	8593	0.43%	0.058%
266	16.420	16.404	16.435	VV	171	1917	0.10%	0.013%
267	16.461	16.435	16.513	VV	1011	21265	1.07%	0.143%
268	16.544	16.513	16.568	PV	2484	40122	2.01%	0.269%
269	16.586	16.568	16.593	VV	677	9113	0.46%	0.061%
270	16.622	16.593	16.653	VV	3382	59597	2.99%	0.399%
271	16.680	16.653	16.705	VV	914	19197	0.96%	0.129%
272	16.728	16.705	16.752	VV	4297	55212	2.77%	0.370%
273	16.775	16.752	16.801	VV	14002	213507	10.72%	1.431%
274	16.811	16.801	16.861	VV	5091	95409	4.79%	0.639%
275	16.865	16.861	16.874	VV	544	3523	0.18%	0.024%
276	16.912	16.874	16.929	VV	3167	50670	2.54%	0.340%
277	16.943	16.929	16.979	VV	2235	42227	2.12%	0.283%
278	17.033	16.979	17.070	VV	7877	119605	6.00%	0.802%
279	17.094	17.070	17.137	VV	12655	180321	9.05%	1.208%
280	17.162	17.137	17.184	PV	13333	202662	10.17%	1.358%
281	17.194	17.184	17.225	VV	7262	110688	5.56%	0.742%
282	17.239	17.225	17.252	VV	1108	15418	0.77%	0.103%
283	17.271	17.252	17.284	VV	2526	35481	1.78%	0.238%
284	17.291	17.284	17.315	VV	1813	20894	1.05%	0.140%
285	17.343	17.315	17.352	PV	406	3999	0.20%	0.027%
286	17.432	17.352	17.449	VV	1629	56495	2.84%	0.379%
287	17.461	17.449	17.469	VV	971	8611	0.43%	0.058%
288	17.481	17.469	17.497	VV	887	9759	0.49%	0.065%
			Sum of corrected areas:			14921158		

FF042225.M Wed May 14 07:00:04 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051325\
Data File : FG015820.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 13:22
Operator : YP\AJ
Sample : PB167975BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB167975BL

Integration File: autoint1.e
Quant Time: May 14 03:54:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG042425.M
Quant Title :
QLast Update : Thu Apr 24 12:54:09 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...	14.998	2046304	17.380 ug/ml
Target Compounds			

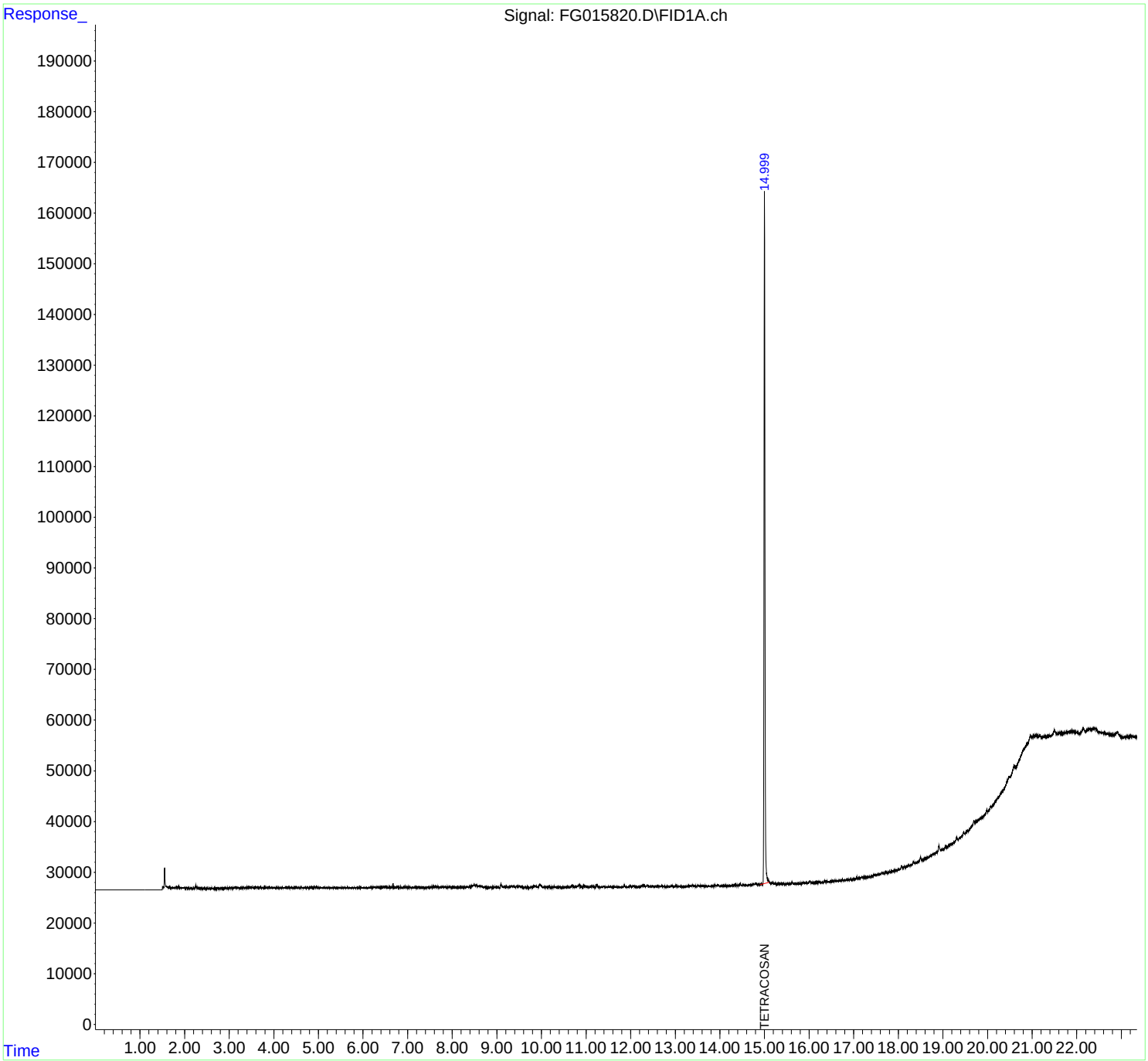
(f)=RT Delta > 1/2 Window (m)=manual int.

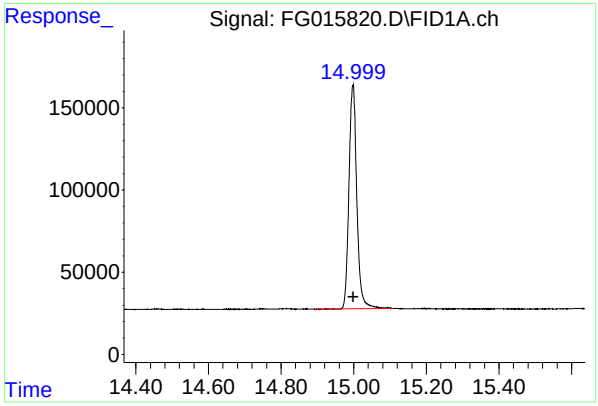
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051325\
Data File : FG015820.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 13:22
Operator : YP\AJ
Sample : PB167975BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB167975BL

Integration File: autoint1.e
Quant Time: May 14 03:54:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG042425.M
Quant Title :
QLast Update : Thu Apr 24 12:54:09 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.: 14.998 min
Delta R.T.: 0.000 mi
Response: 2046304
Conc: 17.38 ug/m

Instrument :
FID_G
ClientSampleId :
PB167975BL

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A B C D E F G H I J

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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051325\
Data File : FG015820.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 13:22
Sample : PB167975BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG042425.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	14.998	14.896	15.108	BB	135194	2046304	100.00%	100.000%
			Sum of corrected areas:			2046304		

FG042425.M Wed May 14 05:06:17 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051325\
Data File : FG015821.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 13:51
Operator : YP\AJ
Sample : PB167975BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB167975BS

Integration File: autoint1.e
Quant Time: May 14 03:54:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG042425.M
Quant Title :
QLast Update : Thu Apr 24 12:54:09 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...	14.995	2185648	18.564 ug/ml
Target Compounds				
2)	N-DECANE	4.496	2017520	18.121 ug/ml
3)	N-DODECANE	6.678	2165188	18.893 ug/ml
4)	N-TETRADECANE	8.514	2240728	18.492 ug/ml
5)	N-HEXADECANE	10.128	2388319	19.024 ug/ml
6)	N-OCTADECANE	11.576	2548747	19.448 ug/ml
7)	N-EICOSANE	12.891	2541732	18.748 ug/ml
8)	N-DOCOSANE	14.093	2547744	19.210 ug/ml
10)	N-TETRACOSANE	15.200	2567239	19.319 ug/ml
11)	N-HEXACOSANE	16.223	2544712	19.188 ug/ml
12)	N-OCTACOSANE	17.176	2522495	19.134 ug/ml

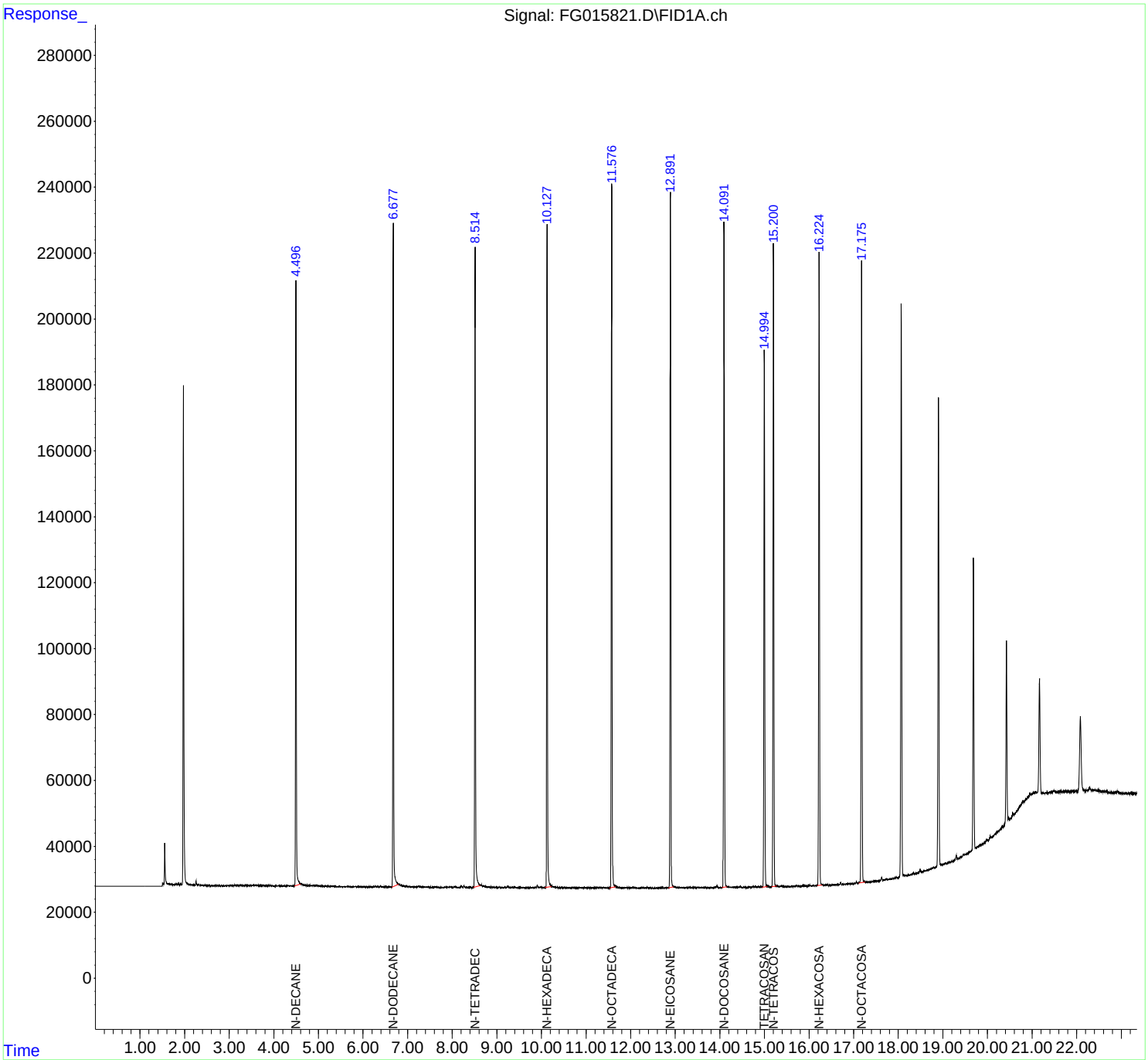
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051325\
Data File : FG015821.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 13:51
Operator : YP\AJ
Sample : PB167975BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB167975BS

Integration File: autoint1.e
Quant Time: May 14 03:54:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG042425.M
Quant Title :
QLast Update : Thu Apr 24 12:54:09 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\FG051325\
Data File : FG015821.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 13:51
Sample : PB167975BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG042425.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.496	4.465	4.603	BB	183477	2017520	78.59%	7.680%
2	6.678	6.645	6.796	BB	201370	2165188	84.34%	8.242%
3	8.514	8.471	8.630	BB	193715	2240728	87.28%	8.530%
4	10.128	10.083	10.230	BB	200023	2388319	93.03%	9.091%
5	11.576	11.530	11.662	BB	213270	2548747	99.28%	9.702%
6	12.891	12.840	12.965	BB	210536	2541732	99.01%	9.675%
7	14.093	14.045	14.160	BB	197124	2547744	99.24%	9.698%
8	14.995	14.954	15.068	BB	162783	2185648	85.14%	8.320%
9	15.200	15.160	15.267	BB	194682	2567239	100.00%	9.772%
10	16.223	16.186	16.296	BB	189926	2544712	99.12%	9.687%
11	17.176	17.110	17.247	BB	186993	2522495	98.26%	9.602%
			Sum of corrected areas:			26270071		

FG042425.M Wed May 14 05:06:52 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051325\
Data File : FG015828.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 18:21
Operator : YP\AJ
Sample : Q1956-03MS
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
SB2-4-5MS

Integration File: autoint1.e
Quant Time: May 14 03:56:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG042425.M
Quant Title :
QLast Update : Thu Apr 24 12:54:09 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...	14.994	1370551	11.641 ug/ml
	Target Compounds			
2)	N-DECANE	4.496	1904045	17.102 ug/ml
3)	N-DODECANE	6.678	2060041	17.976 ug/ml
4)	N-TETRADECANE	8.514	2111814	17.428 ug/ml
5)	N-HEXADECANE	10.127	2317576	18.460 ug/ml
6)	N-OCTADECANE	11.576	2409191	18.383 ug/ml
7)	N-EICOSANE	12.890	2381127	17.563 ug/ml
8)	N-DOCOSANE	14.092	2362384	17.812 ug/ml
10)	N-TETRACOSANE	15.199	2393119	18.009 ug/ml
11)	N-HEXACOSANE	16.223	2350398	17.723 ug/ml
12)	N-OCTACOSANE	17.175	2353664	17.853 ug/ml

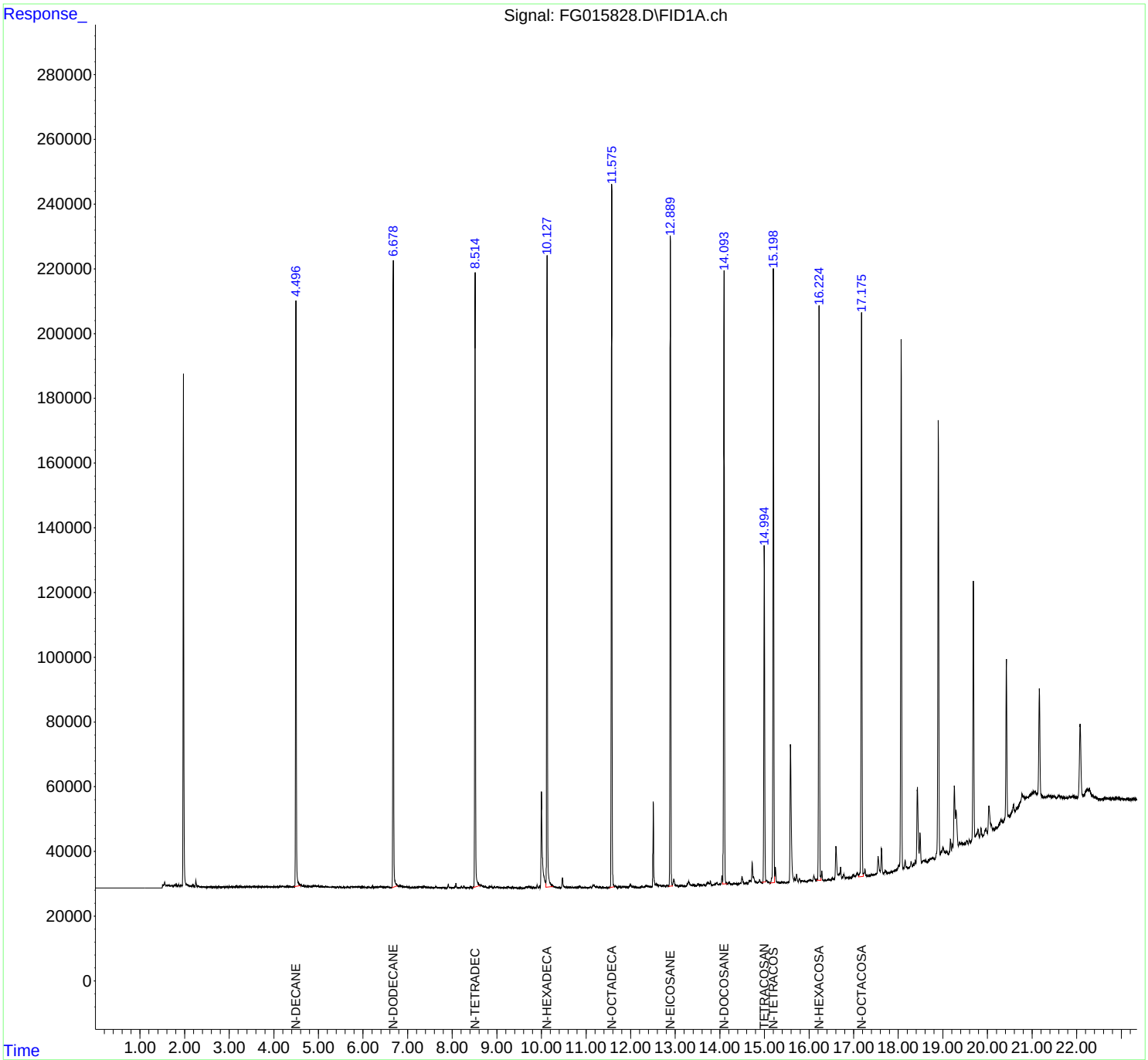
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051325\
Data File : FG015828.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 18:21
Operator : YP\AJ
Sample : Q1956-03MS
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
SB2-4-5MS

Integration File: autoint1.e
Quant Time: May 14 03:56:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG042425.M
Quant Title :
QLast Update : Thu Apr 24 12:54:09 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\FG051325\
Data File : FG015828.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 18:21
Sample : Q1956-03MS
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG042425.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.321	4.300	4.358	BV	215	2923	0.12%	0.010%
2	4.383	4.358	4.401	PV	136	1982	0.08%	0.007%
3	4.406	4.401	4.422	VV	96	750	0.03%	0.003%
4	4.427	4.422	4.439	VV	111	716	0.03%	0.002%
5	4.442	4.439	4.463	VV	167	1204	0.05%	0.004%
6	4.496	4.463	4.605	PV	180925	1931642	79.59%	6.727%
7	4.623	4.605	4.653	VV	744	15322	0.63%	0.053%
8	4.672	4.653	4.728	VV	581	16038	0.66%	0.056%
9	4.739	4.728	4.760	VV	319	4982	0.21%	0.017%
10	4.782	4.760	4.792	VV	339	5028	0.21%	0.018%
11	4.797	4.792	4.805	VV	270	1845	0.08%	0.006%
12	4.808	4.805	4.825	VV	318	2929	0.12%	0.010%
13	4.830	4.825	4.843	VV	279	2480	0.10%	0.009%
14	4.847	4.843	4.851	VV	299	1258	0.05%	0.004%
15	4.873	4.851	4.880	VV	386	5281	0.22%	0.018%
16	4.903	4.880	4.907	VV	474	6324	0.26%	0.022%
17	4.918	4.907	4.924	VV	508	4637	0.19%	0.016%
18	4.928	4.924	4.949	VV	514	6596	0.27%	0.023%
19	4.952	4.949	4.966	VV	398	4119	0.17%	0.014%
20	4.973	4.966	4.981	VV	411	3165	0.13%	0.011%
21	4.984	4.981	4.993	VV	370	2393	0.10%	0.008%
22	5.013	4.993	5.035	VV	395	7356	0.30%	0.026%
23	5.049	5.035	5.054	VV	361	2831	0.12%	0.010%
24	5.068	5.054	5.072	VV	296	2617	0.11%	0.009%
25	5.076	5.072	5.110	VV	288	4871	0.20%	0.017%
26	5.113	5.110	5.121	VV	206	1221	0.05%	0.004%
27	5.127	5.121	5.131	VV	211	1039	0.04%	0.004%
28	5.159	5.131	5.173	VV	308	5658	0.23%	0.020%
29	5.177	5.173	5.183	VV	217	1123	0.05%	0.004%
30	5.188	5.183	5.205	VV	228	2185	0.09%	0.008%
31	5.206	5.205	5.224	VV	190	1702	0.07%	0.006%
32	5.227	5.224	5.235	VV	170	841	0.03%	0.003%
33	5.237	5.235	5.243	VV	162	727	0.03%	0.003%
34	5.250	5.243	5.262	VV	151	1618	0.07%	0.006%
35	5.267	5.262	5.275	VV	152	874	0.04%	0.003%
36	5.279	5.275	5.286	VV	190	794	0.03%	0.003%

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37	5.297	5.286	5.311	VV	152	1847	0.08%	0.006%
38	5.327	5.311	5.341	VV	205	2749	0.11%	0.010%
39	5.347	5.341	5.366	VV	147	1684	0.07%	0.006%
40	5.371	5.366	5.375	VV	114	539	0.02%	0.002%
41	5.379	5.375	5.388	VV	117	899	0.04%	0.003%
42	5.395	5.388	5.400	VV	155	857	0.04%	0.003%
43	5.410	5.400	5.421	VV	159	1397	0.06%	0.005%
44	5.442	5.421	5.454	VV	159	1963	0.08%	0.007%
45	5.480	5.454	5.510	VV	240	4982	0.21%	0.017%
46	5.520	5.510	5.529	VV	125	1200	0.05%	0.004%
47	5.534	5.529	5.541	PV	103	642	0.03%	0.002%
48	5.547	5.541	5.565	VV	127	1276	0.05%	0.004%
49	5.568	5.565	5.572	VV	188	475	0.02%	0.002%
50	5.575	5.572	5.586	VV	125	742	0.03%	0.003%
51	5.589	5.586	5.595	VV	97	300	0.01%	0.001%
52	5.605	5.595	5.621	VV	108	1282	0.05%	0.004%
53	5.626	5.621	5.630	VV	92	360	0.01%	0.001%
54	5.645	5.630	5.660	VV	200	2625	0.11%	0.009%
55	5.665	5.660	5.680	VV	136	1075	0.04%	0.004%
56	5.684	5.680	5.692	VV	79	476	0.02%	0.002%
57	5.696	5.692	5.703	VV	101	450	0.02%	0.002%
58	5.735	5.703	5.741	VV	404	4721	0.19%	0.016%
59	5.746	5.741	5.757	VV	386	3162	0.13%	0.011%
60	5.765	5.757	5.797	VV	351	7169	0.30%	0.025%
61	5.804	5.797	5.820	VV	295	3698	0.15%	0.013%
62	5.833	5.820	5.840	VV	279	2933	0.12%	0.010%
63	5.842	5.840	5.863	VV	222	2930	0.12%	0.010%
64	5.875	5.863	5.895	VV	298	4614	0.19%	0.016%
65	5.910	5.895	5.969	VV	305	9645	0.40%	0.034%
66	5.977	5.969	5.996	VV	269	2893	0.12%	0.010%
67	6.000	5.996	6.005	VV	166	726	0.03%	0.003%
68	6.025	6.005	6.042	VV	245	4062	0.17%	0.014%
69	6.048	6.042	6.057	VV	173	1126	0.05%	0.004%
70	6.061	6.057	6.069	VV	96	751	0.03%	0.003%
71	6.078	6.069	6.083	VV	136	947	0.04%	0.003%
72	6.095	6.083	6.108	VV	243	2295	0.09%	0.008%
73	6.116	6.108	6.120	VV	212	1211	0.05%	0.004%
74	6.125	6.120	6.134	VV	192	1164	0.05%	0.004%
75	6.138	6.134	6.152	VV	146	1240	0.05%	0.004%
76	6.155	6.152	6.182	VV	152	1422	0.06%	0.005%
77	6.214	6.182	6.231	VV	579	8264	0.34%	0.029%
78	6.235	6.231	6.241	VV	290	1378	0.06%	0.005%
79	6.248	6.241	6.287	VV	320	5893	0.24%	0.021%
80	6.293	6.287	6.298	VV	272	1544	0.06%	0.005%
81	6.302	6.298	6.307	VV	242	1268	0.05%	0.004%
82	6.315	6.307	6.330	VV	346	3461	0.14%	0.012%
83	6.333	6.330	6.338	VV	328	1329	0.05%	0.005%
84	6.343	6.338	6.353	VV	245	1933	0.08%	0.007%
85	6.392	6.353	6.426	VV	519	12916	0.53%	0.045%
86	6.437	6.426	6.445	VV	246	2036	0.08%	0.007%
87	6.447	6.445	6.460	VV	213	1637	0.07%	0.006%
88	6.465	6.460	6.489	VV	294	3459	0.14%	0.012%
89	6.497	6.489	6.508	VV	213	1998	0.08%	0.007%

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90	6.549	6.508	6.614	VV	485	15163	0.62%	0.053%
91	6.622	6.614	6.637	VV	117	1260	0.05%	0.004%
92	6.640	6.637	6.648	VV	147	589	0.02%	0.002%
93	6.678	6.648	6.806	VV	193763	2098355	86.46%	7.307%
94	6.831	6.806	6.899	VV	748	30239	1.25%	0.105%
95	6.907	6.899	6.946	VV	454	11153	0.46%	0.039%
96	6.951	6.946	6.954	VV	355	1671	0.07%	0.006%
97	6.958	6.954	6.966	VV	398	2210	0.09%	0.008%
98	6.968	6.966	7.017	VV	353	8007	0.33%	0.028%
99	7.022	7.017	7.047	VV	229	3800	0.16%	0.013%
100	7.051	7.047	7.065	VV	224	1929	0.08%	0.007%
101	7.082	7.065	7.116	VV	237	5198	0.21%	0.018%
102	7.121	7.116	7.126	VV	180	1020	0.04%	0.004%
103	7.157	7.126	7.188	VV	233	6669	0.27%	0.023%
104	7.207	7.188	7.216	VV	251	3727	0.15%	0.013%
105	7.251	7.216	7.264	VV	391	9069	0.37%	0.032%
106	7.270	7.264	7.277	VV	349	2495	0.10%	0.009%
107	7.281	7.277	7.290	VV	325	2228	0.09%	0.008%
108	7.300	7.290	7.307	VV	292	2921	0.12%	0.010%
109	7.310	7.307	7.316	VV	277	1250	0.05%	0.004%
110	7.322	7.316	7.329	VV	236	1712	0.07%	0.006%
111	7.332	7.329	7.342	VV	259	1656	0.07%	0.006%
112	7.366	7.342	7.371	VV	448	5728	0.24%	0.020%
113	7.374	7.371	7.394	VV	416	5193	0.21%	0.018%
114	7.398	7.394	7.418	VV	352	4167	0.17%	0.015%
115	7.423	7.418	7.445	VV	266	3091	0.13%	0.011%
116	7.452	7.445	7.466	VV	233	2361	0.10%	0.008%
117	7.472	7.466	7.495	VV	239	2641	0.11%	0.009%
118	7.501	7.495	7.519	VV	195	1922	0.08%	0.007%
119	7.524	7.519	7.583	VV	174	4015	0.17%	0.014%
120	7.596	7.583	7.602	VV	144	1242	0.05%	0.004%
121	7.629	7.602	7.649	VV	483	7470	0.31%	0.026%
122	7.654	7.649	7.682	VV	274	2554	0.11%	0.009%
123	7.690	7.682	7.693	VV	139	534	0.02%	0.002%
124	7.697	7.693	7.704	VV	151	810	0.03%	0.003%
125	7.706	7.704	7.721	VV	160	898	0.04%	0.003%
126	7.725	7.721	7.732	VV	98	516	0.02%	0.002%
127	7.740	7.732	7.775	VV	112	1953	0.08%	0.007%
128	7.785	7.775	7.801	VV	119	1281	0.05%	0.004%
129	7.806	7.801	7.841	VV	116	1971	0.08%	0.007%
130	7.846	7.841	7.869	VV	79	929	0.04%	0.003%
131	7.872	7.869	7.874	PV	80	138	0.01%	0.000%
132	7.912	7.874	7.951	VV	1248	18595	0.77%	0.065%
133	7.954	7.951	7.976	VV	178	2114	0.09%	0.007%
134	7.977	7.976	7.996	VV	187	1331	0.05%	0.005%
135	8.001	7.996	8.017	VV	145	1276	0.05%	0.004%
136	8.033	8.017	8.041	VV	166	1790	0.07%	0.006%
137	8.084	8.041	8.112	VV	1524	24024	0.99%	0.084%
138	8.118	8.112	8.144	VV	167	2216	0.09%	0.008%
139	8.164	8.144	8.181	VV	202	2489	0.10%	0.009%
140	8.205	8.181	8.238	VV	661	9514	0.39%	0.033%
141	8.262	8.238	8.291	VV	768	10706	0.44%	0.037%

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142	8.296	8.291	8.304	VV	175	1073	0.04%	0.004%
143	8.335	8.304	8.342	VV	148	2504	0.10%	0.009%
144	8.345	8.342	8.354	VV	152	803	0.03%	0.003%
145	8.368	8.354	8.381	VV	234	2566	0.11%	0.009%
146	8.396	8.381	8.407	VV	272	3384	0.14%	0.012%
147	8.417	8.407	8.440	VV	320	4418	0.18%	0.015%
148	8.514	8.440	8.633	VV	189564	2170072	89.42%	7.557%
149	8.650	8.633	8.685	VV	943	25160	1.04%	0.088%
150	8.691	8.685	8.729	VV	611	13301	0.55%	0.046%
151	8.744	8.729	8.761	VV	461	7414	0.31%	0.026%
152	8.763	8.761	8.779	VV	354	3331	0.14%	0.012%
153	8.783	8.779	8.814	VV	289	4830	0.20%	0.017%
154	8.842	8.814	8.849	VV	504	7865	0.32%	0.027%
155	8.851	8.849	8.857	VV	498	2126	0.09%	0.007%
156	8.862	8.857	8.866	VV	419	2095	0.09%	0.007%
157	8.870	8.866	8.904	VV	495	8694	0.36%	0.030%
158	8.907	8.904	8.912	VV	318	1230	0.05%	0.004%
159	8.918	8.912	8.922	VV	302	1523	0.06%	0.005%
160	8.928	8.922	8.931	VV	308	1593	0.07%	0.006%
161	8.934	8.931	8.937	VV	312	1153	0.05%	0.004%
162	8.943	8.937	8.976	VV	401	6729	0.28%	0.023%
163	9.002	8.976	9.040	VV	449	12103	0.50%	0.042%
164	9.046	9.040	9.078	VV	309	5221	0.22%	0.018%
165	9.080	9.078	9.095	VV	199	1709	0.07%	0.006%
166	9.108	9.095	9.121	VV	200	2399	0.10%	0.008%
167	9.138	9.121	9.159	VV	278	4658	0.19%	0.016%
168	9.169	9.159	9.192	VV	255	3277	0.14%	0.011%
169	9.247	9.192	9.285	VV	496	13866	0.57%	0.048%
170	9.290	9.285	9.327	VV	224	3423	0.14%	0.012%
171	9.343	9.327	9.369	VV	504	7006	0.29%	0.024%
172	9.393	9.369	9.411	VV	262	4735	0.20%	0.016%
173	9.417	9.411	9.429	VV	154	945	0.04%	0.003%
174	9.431	9.429	9.441	VV	111	500	0.02%	0.002%
175	9.449	9.441	9.462	VV	139	577	0.02%	0.002%
176	9.479	9.462	9.485	VV	112	658	0.03%	0.002%
177	9.489	9.485	9.498	VV	78	339	0.01%	0.001%
178	9.531	9.498	9.574	VV	269	4500	0.19%	0.016%
179	9.586	9.574	9.613	VV	89	1172	0.05%	0.004%
180	9.650	9.613	9.665	PV	528	7857	0.32%	0.027%
181	9.676	9.665	9.689	VV	561	6094	0.25%	0.021%
182	9.729	9.689	9.800	VV	617	24102	0.99%	0.084%
183	9.809	9.800	9.839	VV	232	3773	0.16%	0.013%
184	9.864	9.839	9.872	VV	239	3766	0.16%	0.013%
185	9.879	9.872	9.884	VV	193	1260	0.05%	0.004%
186	9.905	9.884	9.934	VV	946	12633	0.52%	0.044%
187	9.959	9.934	9.975	VV	837	10285	0.42%	0.036%
188	10.002	9.975	10.097	VV	29987	588364	24.24%	2.049%
189	10.127	10.097	10.332	VV	195003	2378616	98.01%	8.283%
190	10.335	10.332	10.340	VV	280	1039	0.04%	0.004%
191	10.343	10.340	10.361	VV	249	2514	0.10%	0.009%
192	10.366	10.361	10.397	VV	204	3407	0.14%	0.012%
193	10.404	10.397	10.426	VV	223	2615	0.11%	0.009%
194	10.428	10.426	10.440	VV	178	1228	0.05%	0.004%

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195	10.472	10.440	10.539	VV	3169	55735	2.30%	0.194%
196	10.547	10.539	10.593	VV	346	9461	0.39%	0.033%
197	10.599	10.593	10.603	VV	258	1484	0.06%	0.005%
198	10.612	10.603	10.632	VV	273	3793	0.16%	0.013%
199	10.645	10.632	10.667	VV	508	5822	0.24%	0.020%
200	10.688	10.667	10.712	VV	368	5977	0.25%	0.021%
201	10.723	10.712	10.729	VV	182	1554	0.06%	0.005%
202	10.733	10.729	10.740	VV	177	1013	0.04%	0.004%
203	10.759	10.740	10.776	VV	242	4019	0.17%	0.014%
204	10.794	10.776	10.809	VV	228	3283	0.14%	0.011%
205	10.815	10.809	10.817	VV	231	839	0.03%	0.003%
206	10.831	10.817	10.856	VV	560	9787	0.40%	0.034%
207	10.870	10.856	10.894	VV	533	7317	0.30%	0.025%
208	10.901	10.894	10.906	VV	125	835	0.03%	0.003%
209	10.940	10.906	10.949	VV	235	4108	0.17%	0.014%
210	10.952	10.949	10.962	VV	187	1175	0.05%	0.004%
211	10.975	10.962	11.031	VV	282	6624	0.27%	0.023%
212	11.041	11.031	11.046	VV	103	641	0.03%	0.002%
213	11.059	11.046	11.072	VV	144	1677	0.07%	0.006%
214	11.100	11.072	11.127	VV	351	6886	0.28%	0.024%
215	11.161	11.127	11.226	VV	878	33131	1.37%	0.115%
216	11.249	11.226	11.281	VV	439	10161	0.42%	0.035%
217	11.290	11.281	11.313	VV	305	4647	0.19%	0.016%
218	11.321	11.313	11.335	VV	264	2770	0.11%	0.010%
219	11.343	11.335	11.352	VV	169	1359	0.06%	0.005%
220	11.357	11.352	11.367	VV	112	696	0.03%	0.002%
221	11.393	11.367	11.421	VV	286	4707	0.19%	0.016%
222	11.442	11.421	11.449	VV	174	2252	0.09%	0.008%
223	11.462	11.449	11.485	VV	279	3072	0.13%	0.011%
224	11.507	11.485	11.530	VV	182	3498	0.14%	0.012%
225	11.576	11.530	11.639	VV	217491	2426959	100.00%	8.452%
226	11.655	11.639	11.706	VV	802	15862	0.65%	0.055%
227	11.733	11.706	11.750	VV	490	7324	0.30%	0.026%
228	11.772	11.750	11.793	VV	605	8140	0.34%	0.028%
229	11.819	11.793	11.839	VV	616	8536	0.35%	0.030%
230	11.859	11.839	11.917	VV	466	13489	0.56%	0.047%
231	11.994	11.917	12.040	VV	1206	34176	1.41%	0.119%
232	12.058	12.040	12.079	VV	567	8804	0.36%	0.031%
233	12.105	12.079	12.121	VV	316	5482	0.23%	0.019%
234	12.131	12.121	12.152	VV	247	3030	0.12%	0.011%
235	12.157	12.152	12.167	VV	117	545	0.02%	0.002%
236	12.181	12.167	12.191	PV	121	1140	0.05%	0.004%
237	12.249	12.191	12.272	VV	518	11956	0.49%	0.042%
238	12.305	12.272	12.316	VV	369	5750	0.24%	0.020%
239	12.348	12.316	12.356	VV	699	10773	0.44%	0.038%
240	12.363	12.356	12.402	VV	637	12058	0.50%	0.042%
241	12.411	12.402	12.423	VV	325	3680	0.15%	0.013%
242	12.428	12.423	12.437	VV	283	2202	0.09%	0.008%
243	12.458	12.437	12.476	VV	380	5962	0.25%	0.021%
244	12.507	12.476	12.562	VV	26446	316566	13.04%	1.102%
245	12.573	12.562	12.591	VV	1092	14486	0.60%	0.050%
246	12.600	12.591	12.622	VV	916	13178	0.54%	0.046%

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247	12.631	12.622	12.637	VV	565	4681	0.19%	0.016%
248	12.643	12.637	12.646	VV	537	2686	0.11%	0.009%
249	12.658	12.646	12.686	VV	579	11644	0.48%	0.041%
250	12.711	12.686	12.731	VV	545	11533	0.48%	0.040%
251	12.749	12.731	12.772	VV	580	9158	0.38%	0.032%
252	12.778	12.772	12.786	VV	215	1430	0.06%	0.005%
253	12.816	12.786	12.851	VV	619	14026	0.58%	0.049%
254	12.890	12.851	12.935	VV	201307	2392479	98.58%	8.332%
255	12.967	12.935	13.006	VV	2433	54742	2.26%	0.191%
256	13.009	13.006	13.053	VV	525	9486	0.39%	0.033%
257	13.060	13.053	13.084	VV	217	2784	0.11%	0.010%
258	13.103	13.084	13.127	VV	287	5747	0.24%	0.020%
259	13.148	13.127	13.182	VV	372	7712	0.32%	0.027%
260	13.193	13.182	13.231	VV	219	3960	0.16%	0.014%
261	13.235	13.231	13.244	PV	114	601	0.02%	0.002%
262	13.299	13.244	13.362	VV	1555	50570	2.08%	0.176%
263	13.381	13.362	13.404	VV	482	8839	0.36%	0.031%
264	13.411	13.404	13.417	VV	415	2457	0.10%	0.009%
265	13.421	13.417	13.434	VV	288	2540	0.10%	0.009%
266	13.436	13.434	13.482	VV	261	5656	0.23%	0.020%
267	13.504	13.482	13.540	VV	744	13790	0.57%	0.048%
268	13.561	13.540	13.615	VV	382	10804	0.45%	0.038%
269	13.630	13.615	13.673	VV	406	7642	0.31%	0.027%
270	13.676	13.673	13.681	VV	156	582	0.02%	0.002%
271	13.719	13.681	13.731	VV	995	14651	0.60%	0.051%
272	13.744	13.731	13.767	VV	847	14819	0.61%	0.052%
273	13.787	13.767	13.814	VV	1394	20329	0.84%	0.071%
274	13.820	13.814	13.836	VV	214	1914	0.08%	0.007%
275	13.933	13.836	13.971	VV	853	29986	1.24%	0.104%
276	13.992	13.971	14.004	VV	363	5353	0.22%	0.019%
277	14.007	14.004	14.011	VV	306	1175	0.05%	0.004%
278	14.046	14.011	14.061	VV	2945	40828	1.68%	0.142%
279	14.092	14.061	14.168	VV	189531	2383805	98.22%	8.301%
280	14.205	14.168	14.251	VV	982	23507	0.97%	0.082%
281	14.254	14.251	14.265	VV	218	1548	0.06%	0.005%
282	14.315	14.265	14.347	VV	342	11629	0.48%	0.040%
283	14.378	14.347	14.406	VV	299	7999	0.33%	0.028%
284	14.409	14.406	14.422	VV	308	1634	0.07%	0.006%
285	14.454	14.422	14.466	VV	442	7452	0.31%	0.026%
286	14.495	14.466	14.554	VV	2406	54991	2.27%	0.191%
287	14.600	14.554	14.636	VV	394	14008	0.58%	0.049%
288	14.656	14.636	14.667	VV	1164	14690	0.61%	0.051%
289	14.685	14.667	14.699	VV	1152	18154	0.75%	0.063%
290	14.723	14.699	14.839	VV	6656	157218	6.48%	0.547%
291	14.856	14.839	14.866	VV	411	6024	0.25%	0.021%
292	14.889	14.866	14.956	VV	1273	32117	1.32%	0.112%
293	14.994	14.956	15.032	VV	103866	1396077	57.52%	4.862%
294	15.052	15.032	15.132	VV	1077	30911	1.27%	0.108%
295	15.199	15.132	15.229	VV	188084	2405198	99.10%	8.376%
296	15.243	15.229	15.370	VV	4948	79829	3.29%	0.278%
297	15.394	15.370	15.429	VV	387	6300	0.26%	0.022%
298	15.454	15.429	15.483	VV	133	2807	0.12%	0.010%
299	15.531	15.483	15.546	PV	241	4871	0.20%	0.017%

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300	15.582	15.546	15.664	VV	42321	829993	34.20%	2.890%
301	15.676	15.664	15.696	VV	1367	19118	0.79%	0.067%
302	15.719	15.696	15.756	VV	2607	44446	1.83%	0.155%
303	15.783	15.756	15.821	VV	1188	21910	0.90%	0.076%
304	15.851	15.821	15.875	VV	465	8240	0.34%	0.029%
305	15.898	15.875	15.929	VV	222	4795	0.20%	0.017%
306	15.938	15.929	15.957	VV	142	1403	0.06%	0.005%
307	15.976	15.957	15.984	VV	287	3167	0.13%	0.011%
308	16.020	15.984	16.073	VV	438	16625	0.69%	0.058%
309	16.105	16.073	16.149	VV	1743	39546	1.63%	0.138%
310	16.223	16.149	16.267	VV	175489	2370624	97.68%	8.255%
311	16.285	16.267	16.341	VV	3140	43330	1.79%	0.151%
312	16.356	16.341	16.381	VV	227	2961	0.12%	0.010%
313	16.432	16.381	16.461	PV	320	7515	0.31%	0.026%
314	16.468	16.461	16.484	VV	142	1456	0.06%	0.005%
315	16.521	16.484	16.546	VV	553	11972	0.49%	0.042%
316	16.602	16.546	16.644	VV	10323	208470	8.59%	0.726%
317	16.706	16.644	16.734	VV	3698	94735	3.90%	0.330%
318	16.781	16.734	16.829	VV	1372	35903	1.48%	0.125%
319	16.849	16.829	16.886	VV	306	7779	0.32%	0.027%
320	16.897	16.886	16.927	VV	217	2535	0.10%	0.009%
321	16.984	16.927	17.036	PV	941	28567	1.18%	0.099%
322	17.085	17.036	17.113	VV	1315	37100	1.53%	0.129%
323	17.175	17.113	17.212	VV	174615	2358240	97.17%	8.212%
324	17.222	17.212	17.236	VV	1019	13002	0.54%	0.045%
325	17.252	17.236	17.282	VV	2292	33235	1.37%	0.116%
326	17.298	17.282	17.332	VV	273	4441	0.18%	0.015%

Sum of corrected areas: 28715910

FG042425.M Wed May 14 05:36:39 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051325\
Data File : FG015829.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 18:50
Operator : YP\AJ
Sample : Q1956-04MSD
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
SB2-4-5MSD

Integration File: autoint1.e
Quant Time: May 14 03:56:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG042425.M
Quant Title :
QLast Update : Thu Apr 24 12:54:09 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...	14.993	1406410	11.945 ug/ml
	Target Compounds			
2)	N-DECANE	4.496	1863836	16.741 ug/ml
3)	N-DODECANE	6.678	2046373	17.856 ug/ml
4)	N-TETRADECANE	8.514	2131192	17.588 ug/ml
5)	N-HEXADECANE	10.127	2361126	18.807 ug/ml
6)	N-OCTADECANE	11.576	2465513	18.813 ug/ml
7)	N-EICOSANE	12.890	2438874	17.989 ug/ml
8)	N-DOCOSANE	14.092	2427066	18.300 ug/ml
10)	N-TETRACOSANE	15.198	2459726	18.510 ug/ml
11)	N-HEXACOSANE	16.222	2413835	18.201 ug/ml
12)	N-OCTACOSANE	17.175	2403412	18.231 ug/ml

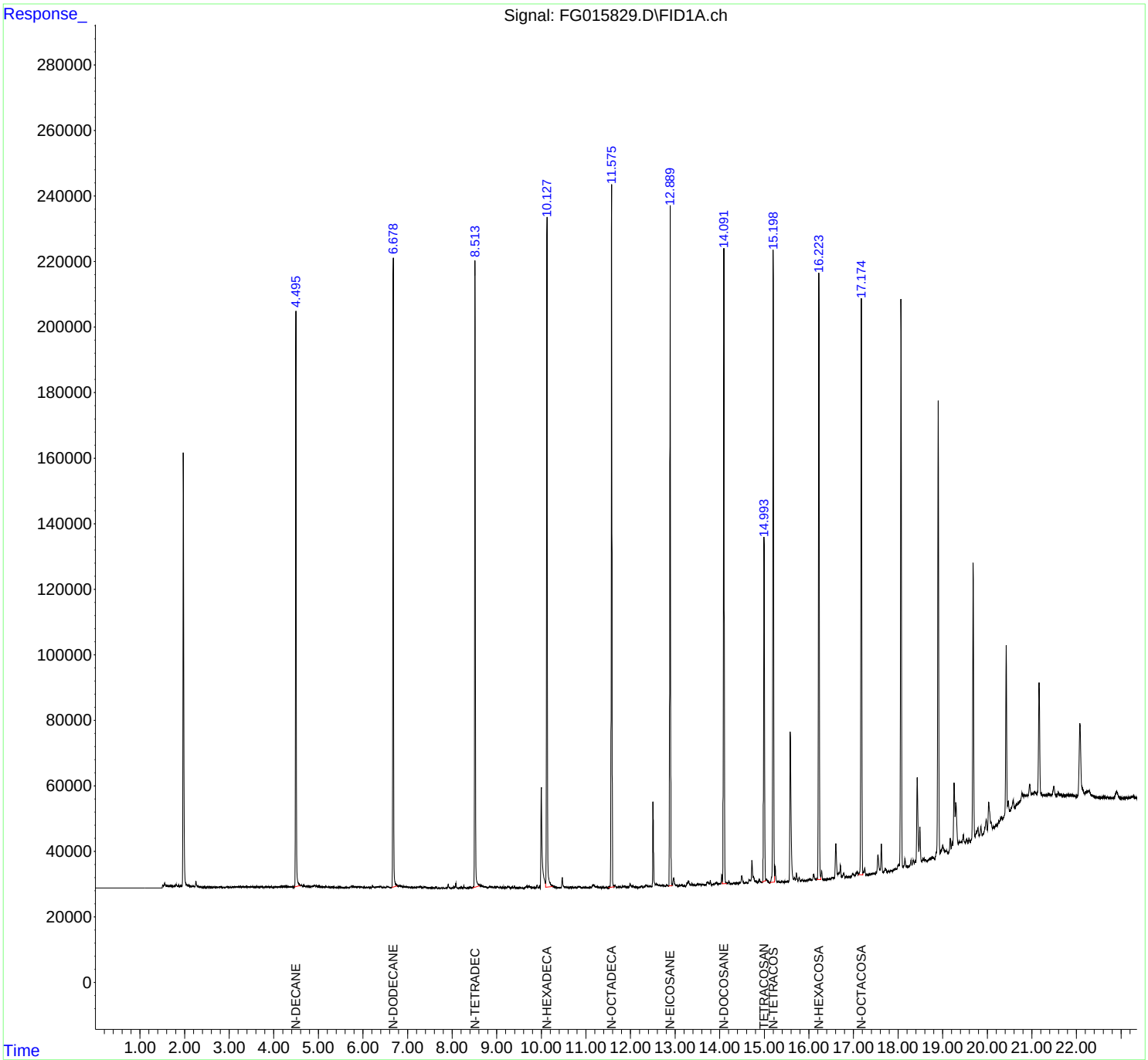
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051325\
Data File : FG015829.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 18:50
Operator : YP\AJ
Sample : Q1956-04MSD
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
SB2-4-5MSD

Integration File: autoint1.e
Quant Time: May 14 03:56:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG042425.M
Quant Title :
QLast Update : Thu Apr 24 12:54:09 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\FG051325\
Data File : FG015829.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 18:50
Sample : Q1956-04MSD
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG042425.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.313	4.300	4.385	BV	100	2262	0.09%	0.008%
2	4.390	4.385	4.406	PV	118	732	0.03%	0.002%
3	4.412	4.406	4.421	VV	145	547	0.02%	0.002%
4	4.428	4.421	4.455	VV	96	1343	0.05%	0.005%
5	4.463	4.455	4.468	PV	144	623	0.03%	0.002%
6	4.496	4.468	4.595	VV	175326	1888750	76.10%	6.448%
7	4.598	4.595	4.604	VV	569	2949	0.12%	0.010%
8	4.621	4.604	4.657	VV	633	15031	0.61%	0.051%
9	4.668	4.657	4.695	VV	603	10032	0.40%	0.034%
10	4.698	4.695	4.705	VV	375	1666	0.07%	0.006%
11	4.707	4.705	4.721	VV	329	2582	0.10%	0.009%
12	4.728	4.721	4.741	VV	361	3569	0.14%	0.012%
13	4.755	4.741	4.794	VV	325	8643	0.35%	0.030%
14	4.805	4.794	4.852	VV	323	8729	0.35%	0.030%
15	4.890	4.852	4.894	VV	456	8422	0.34%	0.029%
16	4.919	4.894	4.981	VV	587	23250	0.94%	0.079%
17	5.012	4.981	5.045	VV	450	12375	0.50%	0.042%
18	5.047	5.045	5.081	VV	297	5166	0.21%	0.018%
19	5.083	5.081	5.089	VV	281	1076	0.04%	0.004%
20	5.090	5.089	5.125	VV	268	4557	0.18%	0.016%
21	5.128	5.125	5.141	VV	228	1762	0.07%	0.006%
22	5.161	5.141	5.190	VV	353	6282	0.25%	0.021%
23	5.196	5.190	5.212	VV	187	1937	0.08%	0.007%
24	5.218	5.212	5.224	VV	145	776	0.03%	0.003%
25	5.231	5.224	5.240	VV	127	1071	0.04%	0.004%
26	5.248	5.240	5.270	VV	165	1877	0.08%	0.006%
27	5.287	5.270	5.302	VV	183	2091	0.08%	0.007%
28	5.309	5.302	5.314	VV	155	854	0.03%	0.003%
29	5.319	5.314	5.322	VV	181	533	0.02%	0.002%
30	5.344	5.322	5.349	VV	189	2186	0.09%	0.007%
31	5.354	5.349	5.363	VV	149	843	0.03%	0.003%
32	5.367	5.363	5.404	VV	138	2288	0.09%	0.008%
33	5.410	5.404	5.415	VV	91	444	0.02%	0.002%
34	5.423	5.415	5.427	VV	143	619	0.02%	0.002%
35	5.440	5.427	5.445	VV	161	1163	0.05%	0.004%
36	5.482	5.445	5.500	VV	267	5087	0.20%	0.017%

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37	5.505	5.500	5.519	VV	140	919	0.04%	0.003%
38	5.522	5.519	5.554	VV	140	1714	0.07%	0.006%
39	5.560	5.554	5.568	VV	117	568	0.02%	0.002%
40	5.575	5.568	5.583	VV	161	613	0.02%	0.002%
41	5.588	5.583	5.607	VV	142	1124	0.05%	0.004%
42	5.612	5.607	5.625	VV	66	777	0.03%	0.003%
43	5.641	5.625	5.695	VV	209	4595	0.19%	0.016%
44	5.702	5.695	5.708	VV	97	401	0.02%	0.001%
45	5.741	5.708	5.772	PV	456	11850	0.48%	0.040%
46	5.776	5.772	5.792	VV	367	4059	0.16%	0.014%
47	5.794	5.792	5.805	VV	378	2518	0.10%	0.009%
48	5.807	5.805	5.858	VV	384	8420	0.34%	0.029%
49	5.878	5.858	5.891	VV	341	5105	0.21%	0.017%
50	5.895	5.891	5.901	VV	266	1437	0.06%	0.005%
51	5.908	5.901	5.935	VV	336	5498	0.22%	0.019%
52	5.940	5.935	5.962	VV	254	3293	0.13%	0.011%
53	5.974	5.962	6.000	VV	257	4697	0.19%	0.016%
54	6.027	6.000	6.032	VV	254	3826	0.15%	0.013%
55	6.035	6.032	6.049	VV	236	1851	0.07%	0.006%
56	6.056	6.049	6.068	VV	179	1598	0.06%	0.005%
57	6.073	6.068	6.086	VV	135	1399	0.06%	0.005%
58	6.097	6.086	6.101	VV	224	1584	0.06%	0.005%
59	6.106	6.101	6.117	VV	192	1598	0.06%	0.005%
60	6.125	6.117	6.142	VV	206	2249	0.09%	0.008%
61	6.148	6.142	6.160	VV	194	1189	0.05%	0.004%
62	6.163	6.160	6.175	VV	102	723	0.03%	0.002%
63	6.181	6.175	6.193	VV	149	1168	0.05%	0.004%
64	6.213	6.193	6.231	VV	614	8599	0.35%	0.029%
65	6.234	6.231	6.265	VV	279	4872	0.20%	0.017%
66	6.275	6.265	6.279	VV	267	2040	0.08%	0.007%
67	6.286	6.279	6.291	VV	290	1760	0.07%	0.006%
68	6.301	6.291	6.317	VV	311	4133	0.17%	0.014%
69	6.335	6.317	6.358	VV	369	7404	0.30%	0.025%
70	6.370	6.358	6.376	VV	363	3634	0.15%	0.012%
71	6.388	6.376	6.428	VV	544	11002	0.44%	0.038%
72	6.433	6.428	6.442	VV	275	1799	0.07%	0.006%
73	6.450	6.442	6.469	VV	282	3848	0.16%	0.013%
74	6.473	6.469	6.493	VV	257	3155	0.13%	0.011%
75	6.497	6.493	6.510	VV	252	2017	0.08%	0.007%
76	6.517	6.510	6.523	VV	260	1681	0.07%	0.006%
77	6.546	6.523	6.599	VV	542	15523	0.63%	0.053%
78	6.605	6.599	6.620	VV	250	2365	0.10%	0.008%
79	6.625	6.620	6.632	VV	205	1121	0.05%	0.004%
80	6.635	6.632	6.640	VV	198	732	0.03%	0.003%
81	6.678	6.640	6.800	VV	192602	2089797	84.20%	7.135%
82	6.804	6.800	6.810	VV	703	4133	0.17%	0.014%
83	6.811	6.810	6.824	VV	693	5359	0.22%	0.018%
84	6.833	6.824	6.881	VV	728	19600	0.79%	0.067%
85	6.896	6.881	6.904	VV	495	6137	0.25%	0.021%
86	6.907	6.904	6.919	VV	558	3967	0.16%	0.014%
87	6.920	6.919	6.934	VV	422	3420	0.14%	0.012%
88	6.938	6.934	6.956	VV	396	5076	0.20%	0.017%
89	6.961	6.956	6.983	VV	482	6104	0.25%	0.021%

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90	6.986	6.983	6.993	VV	365	1936	0.08%	0.007%
91	6.999	6.993	7.010	VV	373	3327	0.13%	0.011%
92	7.017	7.010	7.027	VV	356	3158	0.13%	0.011%
93	7.032	7.027	7.059	VV	298	4818	0.19%	0.016%
94	7.073	7.059	7.086	VV	277	3432	0.14%	0.012%
95	7.092	7.086	7.108	VV	298	2796	0.11%	0.010%
96	7.110	7.108	7.122	VV	243	1516	0.06%	0.005%
97	7.132	7.122	7.167	VV	233	4853	0.20%	0.017%
98	7.198	7.167	7.205	VV	276	4314	0.17%	0.015%
99	7.240	7.205	7.271	VV	397	12853	0.52%	0.044%
100	7.276	7.271	7.284	VV	335	2434	0.10%	0.008%
101	7.285	7.284	7.291	VV	344	1333	0.05%	0.005%
102	7.299	7.291	7.340	VV	368	7970	0.32%	0.027%
103	7.365	7.340	7.390	VV	497	10890	0.44%	0.037%
104	7.397	7.390	7.444	VV	399	8116	0.33%	0.028%
105	7.462	7.444	7.497	VV	220	4977	0.20%	0.017%
106	7.502	7.497	7.531	VV	153	2226	0.09%	0.008%
107	7.545	7.531	7.550	VV	160	1292	0.05%	0.004%
108	7.560	7.550	7.599	VV	155	2652	0.11%	0.009%
109	7.610	7.599	7.613	VV	131	714	0.03%	0.002%
110	7.631	7.613	7.686	VV	505	8635	0.35%	0.029%
111	7.697	7.686	7.717	PV	140	1206	0.05%	0.004%
112	7.728	7.717	7.738	VV	118	847	0.03%	0.003%
113	7.743	7.738	7.747	VV	133	497	0.02%	0.002%
114	7.752	7.747	7.779	VV	95	1381	0.06%	0.005%
115	7.784	7.779	7.790	VV	100	473	0.02%	0.002%
116	7.798	7.790	7.809	VV	148	912	0.04%	0.003%
117	7.831	7.809	7.837	VV	122	1541	0.06%	0.005%
118	7.839	7.837	7.843	VV	92	213	0.01%	0.001%
119	7.847	7.843	7.865	VV	98	1002	0.04%	0.003%
120	7.870	7.865	7.886	VV	104	1042	0.04%	0.004%
121	7.912	7.886	8.011	VV	1317	21023	0.85%	0.072%
122	8.084	8.011	8.110	VV	1547	24188	0.97%	0.083%
123	8.115	8.110	8.146	VV	147	2144	0.09%	0.007%
124	8.162	8.146	8.174	VV	202	1676	0.07%	0.006%
125	8.204	8.174	8.234	VV	602	7828	0.32%	0.027%
126	8.262	8.234	8.292	VV	741	10255	0.41%	0.035%
127	8.296	8.292	8.313	VV	151	1254	0.05%	0.004%
128	8.317	8.313	8.327	VV	122	563	0.02%	0.002%
129	8.333	8.327	8.355	VV	100	1225	0.05%	0.004%
130	8.368	8.355	8.384	VV	168	1971	0.08%	0.007%
131	8.420	8.384	8.439	VV	338	6396	0.26%	0.022%
132	8.514	8.439	8.640	VV	190922	2187877	88.15%	7.470%
133	8.652	8.640	8.687	VV	920	20589	0.83%	0.070%
134	8.696	8.687	8.702	VV	636	5328	0.21%	0.018%
135	8.704	8.702	8.708	VV	549	1754	0.07%	0.006%
136	8.711	8.708	8.739	VV	536	8733	0.35%	0.030%
137	8.748	8.739	8.766	VV	453	6214	0.25%	0.021%
138	8.772	8.766	8.787	VV	352	3811	0.15%	0.013%
139	8.793	8.787	8.799	VV	284	1741	0.07%	0.006%
140	8.802	8.799	8.815	VV	265	2257	0.09%	0.008%
141	8.848	8.815	8.864	VV	514	11648	0.47%	0.040%

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142	8.874	8.864	8.907	VV	463	9507	0.38%	0.032%
143	8.948	8.907	8.971	VV	494	11631	0.47%	0.040%
144	8.973	8.971	8.978	VV	254	1026	0.04%	0.004%
145	9.002	8.978	9.041	VV	476	12385	0.50%	0.042%
146	9.058	9.041	9.086	VV	335	6555	0.26%	0.022%
147	9.089	9.086	9.097	VV	182	1071	0.04%	0.004%
148	9.113	9.097	9.122	VV	182	2293	0.09%	0.008%
149	9.140	9.122	9.146	VV	234	2842	0.11%	0.010%
150	9.149	9.146	9.153	VV	235	900	0.04%	0.003%
151	9.161	9.153	9.194	VV	313	4480	0.18%	0.015%
152	9.199	9.194	9.206	VV	209	1245	0.05%	0.004%
153	9.211	9.206	9.225	VV	200	2146	0.09%	0.007%
154	9.247	9.225	9.288	VV	595	13421	0.54%	0.046%
155	9.292	9.288	9.306	VV	197	1271	0.05%	0.004%
156	9.314	9.306	9.325	VV	156	1369	0.06%	0.005%
157	9.345	9.325	9.371	VV	541	7975	0.32%	0.027%
158	9.398	9.371	9.423	VV	495	6250	0.25%	0.021%
159	9.428	9.423	9.444	VV	99	753	0.03%	0.003%
160	9.448	9.444	9.487	VB	90	962	0.04%	0.003%
161	9.532	9.497	9.569	BV	262	2937	0.12%	0.010%
162	9.582	9.569	9.591	PV	86	572	0.02%	0.002%
163	9.596	9.591	9.601	VV	89	287	0.01%	0.001%
164	9.607	9.601	9.628	VV	66	713	0.03%	0.002%
165	9.652	9.628	9.662	PV	565	6809	0.27%	0.023%
166	9.674	9.662	9.689	VV	775	8765	0.35%	0.030%
167	9.728	9.689	9.750	VV	612	16941	0.68%	0.058%
168	9.762	9.750	9.804	VV	346	7408	0.30%	0.025%
169	9.808	9.804	9.832	VV	234	2664	0.11%	0.009%
170	9.841	9.832	9.845	VV	190	1050	0.04%	0.004%
171	9.860	9.845	9.872	VV	237	2886	0.12%	0.010%
172	9.878	9.872	9.884	VV	172	1098	0.04%	0.004%
173	9.905	9.884	9.929	VV	939	11492	0.46%	0.039%
174	9.961	9.929	9.975	VV	792	9874	0.40%	0.034%
175	10.000	9.975	10.097	VV	30635	601238	24.22%	2.053%
176	10.127	10.097	10.224	VV	204163	2385129	96.09%	8.143%
177	10.231	10.224	10.286	VV	958	24891	1.00%	0.085%
178	10.294	10.286	10.324	VV	447	7945	0.32%	0.027%
179	10.329	10.324	10.339	VV	263	1837	0.07%	0.006%
180	10.352	10.339	10.373	VV	218	3543	0.14%	0.012%
181	10.378	10.373	10.384	VV	167	979	0.04%	0.003%
182	10.390	10.384	10.402	VV	161	1482	0.06%	0.005%
183	10.407	10.402	10.424	VV	149	1367	0.06%	0.005%
184	10.470	10.424	10.538	VV	3178	55876	2.25%	0.191%
185	10.547	10.538	10.567	VV	330	4967	0.20%	0.017%
186	10.574	10.567	10.589	VV	342	3129	0.13%	0.011%
187	10.594	10.589	10.598	VV	209	1099	0.04%	0.004%
188	10.614	10.598	10.628	VV	249	3454	0.14%	0.012%
189	10.645	10.628	10.666	VV	473	5476	0.22%	0.019%
190	10.687	10.666	10.716	VV	401	6887	0.28%	0.024%
191	10.720	10.716	10.736	VV	175	1375	0.06%	0.005%
192	10.754	10.736	10.779	VV	298	4957	0.20%	0.017%
193	10.795	10.779	10.811	VV	174	2771	0.11%	0.009%
194	10.834	10.811	10.855	VV	535	10398	0.42%	0.035%

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195	10.868	10.855	10.906	VV	511	8095	0.33%	0.028%
196	10.929	10.906	10.934	VV	173	2202	0.09%	0.008%
197	10.942	10.934	10.957	VV	247	2261	0.09%	0.008%
198	10.971	10.957	10.993	VV	300	4520	0.18%	0.015%
199	10.997	10.993	11.031	VV	227	3059	0.12%	0.010%
200	11.053	11.031	11.070	VV	155	2075	0.08%	0.007%
201	11.095	11.070	11.119	VV	410	7080	0.29%	0.024%
202	11.162	11.119	11.178	VV	1067	23596	0.95%	0.081%
203	11.185	11.178	11.232	VV	784	15659	0.63%	0.053%
204	11.246	11.232	11.281	VV	539	10319	0.42%	0.035%
205	11.293	11.281	11.314	VV	279	5119	0.21%	0.017%
206	11.321	11.314	11.356	VV	308	5100	0.21%	0.017%
207	11.360	11.356	11.369	VV	100	684	0.03%	0.002%
208	11.400	11.369	11.417	VV	337	5322	0.21%	0.018%
209	11.423	11.417	11.426	PV	99	415	0.02%	0.001%
210	11.434	11.426	11.440	VV	221	1420	0.06%	0.005%
211	11.446	11.440	11.449	VV	224	1035	0.04%	0.004%
212	11.455	11.449	11.482	VV	297	3509	0.14%	0.012%
213	11.505	11.482	11.527	VV	232	4061	0.16%	0.014%
214	11.531	11.527	11.534	VV	161	597	0.02%	0.002%
215	11.576	11.534	11.634	VV	214676	2482060	100.00%	8.474%
216	11.653	11.634	11.696	VV	871	16616	0.67%	0.057%
217	11.701	11.696	11.704	VV	124	557	0.02%	0.002%
218	11.735	11.704	11.752	VV	514	7890	0.32%	0.027%
219	11.769	11.752	11.796	VV	609	7226	0.29%	0.025%
220	11.821	11.796	11.836	PV	633	8111	0.33%	0.028%
221	11.864	11.836	11.919	VV	522	15860	0.64%	0.054%
222	11.924	11.919	11.946	VV	209	2510	0.10%	0.009%
223	11.990	11.946	12.039	VV	1281	31503	1.27%	0.108%
224	12.057	12.039	12.079	VV	610	9427	0.38%	0.032%
225	12.101	12.079	12.120	VV	310	5089	0.21%	0.017%
226	12.124	12.120	12.128	VV	226	830	0.03%	0.003%
227	12.131	12.128	12.184	VV	189	2446	0.10%	0.008%
228	12.195	12.184	12.207	VV	104	957	0.04%	0.003%
229	12.250	12.207	12.274	PV	511	10156	0.41%	0.035%
230	12.304	12.274	12.324	VV	393	6009	0.24%	0.021%
231	12.350	12.324	12.411	VV	802	23460	0.95%	0.080%
232	12.425	12.411	12.430	VV	338	3056	0.12%	0.010%
233	12.439	12.430	12.444	VV	281	2045	0.08%	0.007%
234	12.459	12.444	12.475	VV	316	4641	0.19%	0.016%
235	12.505	12.475	12.555	VV	26018	315619	12.72%	1.078%
236	12.572	12.555	12.588	VV	1045	16984	0.68%	0.058%
237	12.603	12.588	12.631	VV	865	16792	0.68%	0.057%
238	12.634	12.631	12.645	VV	545	4347	0.18%	0.015%
239	12.659	12.645	12.682	VV	582	11237	0.45%	0.038%
240	12.688	12.682	12.691	VV	393	2055	0.08%	0.007%
241	12.714	12.691	12.731	VV	556	10413	0.42%	0.036%
242	12.748	12.731	12.779	VV	595	9980	0.40%	0.034%
243	12.813	12.779	12.856	VV	618	16210	0.65%	0.055%
244	12.890	12.856	12.936	VV	206145	2452110	98.79%	8.372%
245	12.967	12.936	13.076	VV	2668	69532	2.80%	0.237%
246	13.097	13.076	13.122	VV	329	6449	0.26%	0.022%

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247	13.145	13.122	13.151	VV	395	5451	0.22%	0.019%
248	13.154	13.151	13.184	VV	340	4181	0.17%	0.014%
249	13.195	13.184	13.198	VV	215	1513	0.06%	0.005%
250	13.201	13.198	13.224	VV	199	2153	0.09%	0.007%
251	13.231	13.224	13.234	VV	97	405	0.02%	0.001%
252	13.301	13.234	13.361	PV	1578	55710	2.24%	0.190%
253	13.383	13.361	13.411	VV	641	12190	0.49%	0.042%
254	13.415	13.411	13.482	VV	380	10315	0.42%	0.035%
255	13.502	13.482	13.539	VV	783	14727	0.59%	0.050%
256	13.562	13.539	13.596	VV	432	10282	0.41%	0.035%
257	13.602	13.596	13.609	VV	241	1778	0.07%	0.006%
258	13.630	13.609	13.653	VV	425	7274	0.29%	0.025%
259	13.663	13.653	13.691	VV	205	3679	0.15%	0.013%
260	13.720	13.691	13.730	VV	963	14855	0.60%	0.051%
261	13.743	13.730	13.766	VV	868	14369	0.58%	0.049%
262	13.786	13.766	13.816	VV	1476	20695	0.83%	0.071%
263	13.821	13.816	13.837	VV	162	1660	0.07%	0.006%
264	13.913	13.837	13.919	VV	609	16651	0.67%	0.057%
265	13.931	13.919	13.972	VV	902	16505	0.66%	0.056%
266	13.989	13.972	14.001	VV	365	5305	0.21%	0.018%
267	14.010	14.001	14.014	VV	358	2628	0.11%	0.009%
268	14.044	14.014	14.060	VV	3035	40888	1.65%	0.140%
269	14.092	14.060	14.171	VV	193799	2448890	98.66%	8.361%
270	14.206	14.171	14.237	VV	1017	21311	0.86%	0.073%
271	14.241	14.237	14.270	VV	237	3951	0.16%	0.013%
272	14.275	14.270	14.281	VV	237	1206	0.05%	0.004%
273	14.303	14.281	14.323	VV	380	7221	0.29%	0.025%
274	14.329	14.323	14.339	VV	336	2970	0.12%	0.010%
275	14.343	14.339	14.357	VV	351	3310	0.13%	0.011%
276	14.360	14.357	14.393	VV	360	5916	0.24%	0.020%
277	14.401	14.393	14.434	VV	302	5467	0.22%	0.019%
278	14.456	14.434	14.462	VV	502	6349	0.26%	0.022%
279	14.492	14.462	14.556	VV	2487	58497	2.36%	0.200%
280	14.594	14.556	14.626	VV	468	13295	0.54%	0.045%
281	14.654	14.626	14.667	VV	1246	17320	0.70%	0.059%
282	14.679	14.667	14.697	VV	1181	18365	0.74%	0.063%
283	14.721	14.697	14.749	VV	7067	114107	4.60%	0.390%
284	14.756	14.749	14.796	VV	2229	36550	1.47%	0.125%
285	14.808	14.796	14.836	VV	734	13217	0.53%	0.045%
286	14.852	14.836	14.859	VV	424	5014	0.20%	0.017%
287	14.888	14.859	14.956	VV	1363	33383	1.34%	0.114%
288	14.993	14.956	15.031	VV	105247	1431105	57.66%	4.886%
289	15.051	15.031	15.095	VV	1154	27068	1.09%	0.092%
290	15.098	15.095	15.128	VV	338	3518	0.14%	0.012%
291	15.198	15.128	15.228	VV	191874	2469844	99.51%	8.432%
292	15.243	15.228	15.307	VV	4925	73784	2.97%	0.252%
293	15.311	15.307	15.315	VV	304	1128	0.05%	0.004%
294	15.322	15.315	15.327	VV	235	1593	0.06%	0.005%
295	15.332	15.327	15.337	VV	262	964	0.04%	0.003%
296	15.345	15.337	15.367	VV	186	1904	0.08%	0.007%
297	15.394	15.367	15.420	PV	376	5947	0.24%	0.020%
298	15.428	15.420	15.432	VV	114	622	0.03%	0.002%
299	15.456	15.432	15.474	VV	200	2205	0.09%	0.008%

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300	15.510	15.474	15.516	VV	203	2190	0.09%	0.007%
301	15.529	15.516	15.533	VV	161	1411	0.06%	0.005%
302	15.536	15.533	15.547	VV	199	1059	0.04%	0.004%
303	15.580	15.547	15.656	VV	45695	852467	34.35%	2.910%
304	15.675	15.656	15.696	VV	1366	22108	0.89%	0.075%
305	15.719	15.696	15.756	VV	2732	44895	1.81%	0.153%
306	15.782	15.756	15.812	VV	1152	20620	0.83%	0.070%
307	15.819	15.812	15.824	VV	168	925	0.04%	0.003%
308	15.850	15.824	15.879	VV	460	8640	0.35%	0.029%
309	15.900	15.879	15.921	VV	293	4102	0.17%	0.014%
310	15.941	15.921	15.951	PV	139	1539	0.06%	0.005%
311	16.013	15.951	16.034	VV	568	16966	0.68%	0.058%
312	16.039	16.034	16.071	VV	441	6059	0.24%	0.021%
313	16.105	16.071	16.156	VV	1979	43820	1.77%	0.150%
314	16.222	16.156	16.264	VV	184900	2433053	98.03%	8.307%
315	16.283	16.264	16.322	VV	2876	43081	1.74%	0.147%
316	16.325	16.322	16.343	VV	163	1466	0.06%	0.005%
317	16.359	16.343	16.381	VV	252	3775	0.15%	0.013%
318	16.427	16.381	16.443	PV	345	7329	0.30%	0.025%
319	16.447	16.443	16.459	VV	212	1570	0.06%	0.005%
320	16.463	16.459	16.488	VV	210	2162	0.09%	0.007%
321	16.519	16.488	16.528	VV	584	8749	0.35%	0.030%
322	16.532	16.528	16.554	VV	507	6476	0.26%	0.022%
323	16.560	16.554	16.567	VV	365	2769	0.11%	0.009%
324	16.601	16.567	16.645	VV	10789	212922	8.58%	0.727%
325	16.658	16.645	16.667	VV	1614	20768	0.84%	0.071%
326	16.682	16.667	16.686	VV	1671	17550	0.71%	0.060%
327	16.705	16.686	16.731	VV	4048	59859	2.41%	0.204%
328	16.781	16.731	16.819	VV	1454	38136	1.54%	0.130%
329	16.821	16.819	16.824	VV	184	535	0.02%	0.002%
330	16.844	16.824	16.861	VV	448	6178	0.25%	0.021%
331	16.865	16.861	16.889	VV	368	4171	0.17%	0.014%
332	16.894	16.889	16.898	VV	206	875	0.04%	0.003%
333	16.903	16.898	16.910	VV	200	1112	0.04%	0.004%
334	16.924	16.910	16.931	VV	114	1240	0.05%	0.004%
335	16.979	16.931	17.030	PV	1139	33088	1.33%	0.113%
336	17.082	17.030	17.114	VV	1365	44850	1.81%	0.153%
337	17.175	17.114	17.209	VV	176001	2428896	97.86%	8.292%
338	17.219	17.209	17.231	VV	1096	12580	0.51%	0.043%
339	17.251	17.231	17.284	VV	2328	36395	1.47%	0.124%
340	17.298	17.284	17.314	VV	306	3502	0.14%	0.012%
341	17.322	17.314	17.327	VV	54	554	0.02%	0.002%
342	17.331	17.327	17.335	VV	96	273	0.01%	0.001%
343	17.343	17.335	17.349	VV	122	384	0.02%	0.001%
344	17.356	17.349	17.362	PV	108	522	0.02%	0.002%
345	17.388	17.362	17.401	PBA	125	3016	0.12%	0.010%

Sum of corrected areas: 29290555

FG042425.M Wed May 14 05:37:13 2025

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

Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
5 TRPH STD		FF015790.D	FF042225	N-TETRACONTANE	mohammad	4/24/2025 6:33:56 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
Q1872-14		FF015846.D	FF051325	TETRACOSANE-d50 (SURROGA	mohammad	5/15/2025 3:42:51 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
Q1872-14		FG015822.D	FG051325	TETRACOSANE-d50 (SURROGA	mohammad	5/15/2025 3:42:38 AM	Peak Integrated by Software incorrectly
Q1872-14		FG015823.D	FG051325	TETRACOSANE-d50 (SURROGA	mohammad	5/15/2025 3:42:38 AM	Peak Integrated by Software incorrectly

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Fax : 908 789 8922

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF042225

Review By	yogesh	Review On	4/22/2025 1:28:06 PM		
Supervise By	mohammad	Supervise On	4/24/2025 6:33:56 AM		
SubDirectory	FF042225	HP Acquire Method		HP Processing Method	FF042225

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	FF015784.D	22 Apr 2025 08:12	YP\AJ	Ok
2	I.BLK	FF015785.D	22 Apr 2025 08:42	YP\AJ	Ok
3	100 TRPH STD	FF015786.D	22 Apr 2025 09:11	YP\AJ	Ok
4	50 TRPH STD	FF015787.D	22 Apr 2025 09:40	YP\AJ	Ok
5	20 TRPH STD	FF015788.D	22 Apr 2025 10:09	YP\AJ	Ok
6	10 TRPH STD	FF015789.D	22 Apr 2025 10:39	YP\AJ	Ok
7	5 TRPH STD	FF015790.D	22 Apr 2025 11:08	YP\AJ	Ok,M
8	FF042225ICV	FF015791.D	22 Apr 2025 11:39	YP\AJ	Ok

M : Manual Integration

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

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF051325

Review By	yogesh	Review On	5/13/2025 1:15:36 PM		
Supervise By	mohammad	Supervise On	5/15/2025 3:42:51 AM		
SubDirectory	FF051325	HP Acquire Method		HP Processing Method	FF042225

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	FF015826.D	13 May 2025 10:42	YP\AJ	Ok
2	I.BLK	FF015827.D	13 May 2025 11:11	YP\AJ	Ok
3	50 PPM TRPH STD	FF015828.D	13 May 2025 11:40	YP\AJ	Ok
4	RT MARKER	FF015829.D	13 May 2025 12:13	YP\AJ	Ok
5	PB167981BL	FF015830.D	13 May 2025 13:22	YP\AJ	Ok
6	PB167981BS	FF015831.D	13 May 2025 13:51	YP\AJ	Ok
7	PB167981BSD	FF015832.D	13 May 2025 15:25	YP\AJ	Ok
8	Q2008-01	FF015833.D	13 May 2025 15:54	YP\AJ	Ok
9	I.BLK	FF015834.D	13 May 2025 16:24	YP\AJ	Ok
10	50 PPM TRPH STD	FF015835.D	13 May 2025 16:53	YP\AJ	Ok
11	Q1982-04	FF015836.D	13 May 2025 17:22	YP\AJ	Ok
12	Q1982-05	FF015837.D	13 May 2025 17:51	YP\AJ	Ok
13	Q1982-06	FF015838.D	13 May 2025 18:21	YP\AJ	Ok
14	Q1982-07	FF015839.D	13 May 2025 18:50	YP\AJ	Ok
15	Q1982-08	FF015840.D	13 May 2025 19:19	YP\AJ	Ok
16	I.BLK	FF015841.D	13 May 2025 19:49	YP\AJ	Ok
17	50 PPM TRPH STD	FF015842.D	13 May 2025 20:18	YP\AJ	Ok
18	PB167975BL	FF015843.D	13 May 2025 21:16	YP\AJ	Not Ok
19	PB167975BS	FF015844.D	13 May 2025 21:46	YP\AJ	Not Ok
20	Q1872-14	FF015845.D	13 May 2025 22:15	YP\AJ	Not Ok
21	Q1872-14	FF015846.D	13 May 2025 22:44	YP\AJ	Not Ok

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

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF051325

Review By	yogesh	Review On	5/13/2025 1:15:36 PM		
Supervise By	mohammad	Supervise On	5/15/2025 3:42:51 AM		
SubDirectory	FF051325	HP Acquire Method		HP Processing Method	FF042225

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	I.BLK	FF015847.D	13 May 2025 23:14	YP\AJ	Ok
23	50 PPM TRPH STD	FF015848.D	14 May 2025 00:12	YP\AJ	Ok

M : Manual Integration

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

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG042425

Review By	yogesh	Review On	4/24/2025 12:59:08 PM		
Supervise By	mohammad	Supervise On	4/26/2025 2:19:49 AM		
SubDirectory	FG042425	HP Acquire Method		HP Processing Method	FG042425

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	FG015754.D	24 Apr 2025 09:50	YP\AJ	Ok
2	I.BLK	FG015755.D	24 Apr 2025 10:19	YP\AJ	Ok
3	100 TRPH STD	FG015756.D	24 Apr 2025 10:48	YP\AJ	Ok
4	50 TRPH STD	FG015757.D	24 Apr 2025 11:17	YP\AJ	Ok
5	20 TRPH STD	FG015758.D	24 Apr 2025 11:46	YP\AJ	Ok
6	10 TRPH STD	FG015759.D	24 Apr 2025 12:16	YP\AJ	Ok
7	5 TRPH STD	FG015760.D	24 Apr 2025 12:45	YP\AJ	Ok
8	FG042225ICV	FG015761.D	24 Apr 2025 13:14	YP\AJ	Ok

M : Manual Integration

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

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG051325

Review By	yogesh	Review On	5/13/2025 11:25:05 AM		
Supervise By	mohammad	Supervise On	5/15/2025 3:42:38 AM		
SubDirectory	FG051325	HP Acquire Method		HP Processing Method	FG042425

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	FG015816.D	13 May 2025 10:42	YP\AJ	Ok
2	I.BLK	FG015817.D	13 May 2025 11:11	YP\AJ	Ok
3	50 PPM TRPH STD	FG015818.D	13 May 2025 11:40	YP\AJ	Ok
4	RT MARKER	FG015819.D	13 May 2025 12:13	YP\AJ	Ok
5	PB167975BL	FG015820.D	13 May 2025 13:22	YP\AJ	Ok
6	PB167975BS	FG015821.D	13 May 2025 13:51	YP\AJ	Ok
7	Q1872-14	FG015822.D	13 May 2025 14:38	YP\AJ	Dilution
8	Q1872-14	FG015823.D	13 May 2025 15:25	YP\AJ	Ok,M
9	I.BLK	FG015824.D	13 May 2025 15:54	YP\AJ	Ok
10	50 PPM TRPH STD	FG015825.D	13 May 2025 16:53	YP\AJ	Ok
11	Q1956-01	FG015826.D	13 May 2025 17:22	YP\AJ	Ok
12	Q1956-02	FG015827.D	13 May 2025 17:51	YP\AJ	Ok
13	Q1956-03MS	FG015828.D	13 May 2025 18:21	YP\AJ	Ok
14	Q1956-04MSD	FG015829.D	13 May 2025 18:50	YP\AJ	Ok
15	Q1956-06	FG015830.D	13 May 2025 19:19	YP\AJ	Ok
16	Q1982-01	FG015831.D	13 May 2025 19:49	YP\AJ	Ok
17	Q1982-02	FG015832.D	13 May 2025 20:18	YP\AJ	Ok
18	Q1982-03	FG015833.D	13 May 2025 20:47	YP\AJ	Ok
19	I.BLK	FG015834.D	13 May 2025 21:16	YP\AJ	Ok
20	50 PPM TRPH STD	FG015835.D	13 May 2025 21:46	YP\AJ	Ok
21	Q2010-01	FG015836.D	13 May 2025 22:44	YP\AJ	Ok

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG051325

Review By	yogesh	Review On	5/13/2025 11:25:05 AM		
Supervise By	mohammad	Supervise On	5/15/2025 3:42:38 AM		
SubDirectory	FG051325	HP Acquire Method		HP Processing Method	FG042425

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	Q2010-02	FG015837.D	13 May 2025 23:14	YP\AJ	Ok
23	Q2010-03	FG015838.D	13 May 2025 23:43	YP\AJ	Ok
24	Q2010-04	FG015839.D	14 May 2025 00:12	YP\AJ	Ok
25	I.BLK	FG015840.D	14 May 2025 00:41	YP\AJ	Ok
26	50 PPM TRPH STD	FG015841.D	14 May 2025 01:10	YP\AJ	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF042225

Review By	yogesh	Review On	4/22/2025 1:28:06 PM		
Supervise By	mohammad	Supervise On	4/24/2025 6:33:56 AM		
SubDirectory	FF042225	HP Acquire Method		HP Processing Method	FF042225

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		FF015784.D	22 Apr 2025 08:12		YP\AJ	Ok
2	I.BLK		FF015785.D	22 Apr 2025 08:42		YP\AJ	Ok
3	100 TRPH STD		FF015786.D	22 Apr 2025 09:11		YP\AJ	Ok
4	50 TRPH STD		FF015787.D	22 Apr 2025 09:40		YP\AJ	Ok
5	20 TRPH STD		FF015788.D	22 Apr 2025 10:09		YP\AJ	Ok
6	10 TRPH STD		FF015789.D	22 Apr 2025 10:39		YP\AJ	Ok
7	5 TRPH STD		FF015790.D	22 Apr 2025 11:08		YP\AJ	Ok,M
8	FF042225ICV		FF015791.D	22 Apr 2025 11:39		YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF051325

Review By	yogesh	Review On	5/13/2025 1:15:36 PM		
Supervise By	mohammad	Supervise On	5/15/2025 3:42:51 AM		
SubDirectory	FF051325	HP Acquire Method		HP Processing Method	FF042225

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		FF015826.D	13 May 2025 10:42		YP\AJ	Ok
2	I.BLK		FF015827.D	13 May 2025 11:11		YP\AJ	Ok
3	50 PPM TRPH STD		FF015828.D	13 May 2025 11:40		YP\AJ	Ok
4	RT MARKER		FF015829.D	13 May 2025 12:13		YP\AJ	Ok
5	PB167981BL		FF015830.D	13 May 2025 13:22		YP\AJ	Ok
6	PB167981BS		FF015831.D	13 May 2025 13:51		YP\AJ	Ok
7	PB167981BSD		FF015832.D	13 May 2025 15:25		YP\AJ	Ok
8	Q2008-01		FF015833.D	13 May 2025 15:54		YP\AJ	Ok
9	I.BLK		FF015834.D	13 May 2025 16:24		YP\AJ	Ok
10	50 PPM TRPH STD		FF015835.D	13 May 2025 16:53		YP\AJ	Ok
11	Q1982-04		FF015836.D	13 May 2025 17:22		YP\AJ	Ok
12	Q1982-05		FF015837.D	13 May 2025 17:51		YP\AJ	Ok
13	Q1982-06		FF015838.D	13 May 2025 18:21		YP\AJ	Ok
14	Q1982-07		FF015839.D	13 May 2025 18:50		YP\AJ	Ok
15	Q1982-08		FF015840.D	13 May 2025 19:19		YP\AJ	Ok
16	I.BLK		FF015841.D	13 May 2025 19:49		YP\AJ	Ok
17	50 PPM TRPH STD		FF015842.D	13 May 2025 20:18		YP\AJ	Ok
18	PB167975BL		FF015843.D	13 May 2025 21:16		YP\AJ	Not Ok

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Fax : 908 789 8922

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF051325

Review By	yogesh	Review On	5/13/2025 1:15:36 PM		
Supervise By	mohammad	Supervise On	5/15/2025 3:42:51 AM		
SubDirectory	FF051325	HP Acquire Method		HP Processing Method	FF042225

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	PB167975BS		FF015844.D	13 May 2025 21:46		YP\AJ	Not Ok
20	Q1872-14		FF015845.D	13 May 2025 22:15	need 5x dilution	YP\AJ	Not Ok
21	Q1872-14		FF015846.D	13 May 2025 22:44		YP\AJ	Not Ok
22	I.BLK		FF015847.D	13 May 2025 23:14		YP\AJ	Ok
23	50 PPM TRPH STD		FF015848.D	14 May 2025 00:12		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 # FG042425

Review By	yogesh	Review On	4/24/2025 12:59:08 PM		
Supervise By	mohammad	Supervise On	4/26/2025 2:19:49 AM		
SubDirectory	FG042425	HP Acquire Method		HP Processing Method	FG042425

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		FG015754.D	24 Apr 2025 09:50		YP\AJ	Ok
2	I.BLK		FG015755.D	24 Apr 2025 10:19		YP\AJ	Ok
3	100 TRPH STD		FG015756.D	24 Apr 2025 10:48		YP\AJ	Ok
4	50 TRPH STD		FG015757.D	24 Apr 2025 11:17		YP\AJ	Ok
5	20 TRPH STD		FG015758.D	24 Apr 2025 11:46		YP\AJ	Ok
6	10 TRPH STD		FG015759.D	24 Apr 2025 12:16		YP\AJ	Ok
7	5 TRPH STD		FG015760.D	24 Apr 2025 12:45		YP\AJ	Ok
8	FG042225ICV		FG015761.D	24 Apr 2025 13:14		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 # FG051325

Review By	yogesh	Review On	5/13/2025 11:25:05 AM		
Supervise By	mohammad	Supervise On	5/15/2025 3:42:38 AM		
SubDirectory	FG051325	HP Acquire Method		HP Processing Method	FG042425

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		FG015816.D	13 May 2025 10:42		YP\AJ	Ok
2	I.BLK		FG015817.D	13 May 2025 11:11		YP\AJ	Ok
3	50 PPM TRPH STD		FG015818.D	13 May 2025 11:40		YP\AJ	Ok
4	RT MARKER		FG015819.D	13 May 2025 12:13		YP\AJ	Ok
5	PB167975BL		FG015820.D	13 May 2025 13:22		YP\AJ	Ok
6	PB167975BS		FG015821.D	13 May 2025 13:51		YP\AJ	Ok
7	Q1872-14		FG015822.D	13 May 2025 14:38	need 5x dilution	YP\AJ	Dilution
8	Q1872-14		FG015823.D	13 May 2025 15:25		YP\AJ	Ok,M
9	I.BLK		FG015824.D	13 May 2025 15:54		YP\AJ	Ok
10	50 PPM TRPH STD		FG015825.D	13 May 2025 16:53		YP\AJ	Ok
11	Q1956-01		FG015826.D	13 May 2025 17:22		YP\AJ	Ok
12	Q1956-02		FG015827.D	13 May 2025 17:51		YP\AJ	Ok
13	Q1956-03MS		FG015828.D	13 May 2025 18:21		YP\AJ	Ok
14	Q1956-04MSD		FG015829.D	13 May 2025 18:50		YP\AJ	Ok
15	Q1956-06		FG015830.D	13 May 2025 19:19		YP\AJ	Ok
16	Q1982-01		FG015831.D	13 May 2025 19:49		YP\AJ	Ok
17	Q1982-02		FG015832.D	13 May 2025 20:18		YP\AJ	Ok
18	Q1982-03		FG015833.D	13 May 2025 20:47		YP\AJ	Ok

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Fax : 908 789 8922

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG051325

Review By	yogesh	Review On	5/13/2025 11:25:05 AM		
Supervise By	mohammad	Supervise On	5/15/2025 3:42:38 AM		
SubDirectory	FG051325	HP Acquire Method		HP Processing Method	FG042425

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	I.BLK		FG015834.D	13 May 2025 21:16		YP\AJ	Ok
20	50 PPM TRPH STD		FG015835.D	13 May 2025 21:46		YP\AJ	Ok
21	Q2010-01		FG015836.D	13 May 2025 22:44		YP\AJ	Ok
22	Q2010-02		FG015837.D	13 May 2025 23:14		YP\AJ	Ok
23	Q2010-03		FG015838.D	13 May 2025 23:43		YP\AJ	Ok
24	Q2010-04		FG015839.D	14 May 2025 00:12		YP\AJ	Ok
25	I.BLK		FG015840.D	14 May 2025 00:41		YP\AJ	Ok
26	50 PPM TRPH STD		FG015841.D	14 May 2025 01:10		YP\AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167975

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	05/13/2025
Matrix :	Solid			**Extraction Start Time :**	10:05
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	05/13/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	13:10
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	PP24180
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	EP2611
Sand	N/A	E2865
Methylene Chloride	N/A	E3930
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
5/13/25	RS (Ext lab)	Y.P. Pest PCD.
13:15	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167975

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 05/13/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167975BL	PB167975BL	Diesel Range Organics	30.01	N/A	ritesh	Evelyn	1			U1-1
PB167975BS	PB167975BS	Diesel Range Organics	30.02	N/A	ritesh	Evelyn	1			2
Q1872-14	HW0425-PT-DIES-SOIL	Diesel Range Organics	20.24	N/A	ritesh	Evelyn	1			3
Q1956-01	SB1-3-4	Diesel Range Organics	30.06	N/A	ritesh	Evelyn	1	M		4
Q1956-02	SB2-4-5	Diesel Range Organics	30.05	N/A	ritesh	Evelyn	1	M		5
Q1956-03	Q1956-02MS	Diesel Range Organics	30.03	N/A	ritesh	Evelyn	1	M		6
Q1956-04	Q1956-02MSD	Diesel Range Organics	30.04	N/A	ritesh	Evelyn	1	M		U2-1
Q1956-06	SB91-3-4	Diesel Range Organics	30.01	N/A	ritesh	Evelyn	1	M		2
Q1982-01	TP-1	Diesel Range Organics	30.07	N/A	ritesh	Evelyn	1	E		3
Q1982-02	TP-2B	Diesel Range Organics	30.03	N/A	ritesh	Evelyn	1	E		4
Q1982-03	TP-3	Diesel Range Organics	30.02	N/A	ritesh	Evelyn	1	E		5
Q1982-04	TP-4	Diesel Range Organics	30.01	N/A	ritesh	Evelyn	1	E		6
Q1982-05	TP-5	Diesel Range Organics	30.04	N/A	ritesh	Evelyn	1	E		U3-1
Q1982-06	TP-6	Diesel Range Organics	30.06	N/A	ritesh	Evelyn	1	E		2
Q1982-07	TP-8	Diesel Range Organics	30.02	N/A	ritesh	Evelyn	1	E		3
Q1982-08	TP-9	Diesel Range Organics	30.03	N/A	ritesh	Evelyn	1	E		4
Q2010-01	TP-10	Diesel Range Organics	30.07	N/A	ritesh	Evelyn	1	E		5
Q2010-02	TP-13	Diesel Range Organics	30.04	N/A	ritesh	Evelyn	1	E		6
Q2010-03	TP-14	Diesel Range Organics	30.06	N/A	ritesh	Evelyn	1	E		U6-1
Q2010-04	TP-17	Diesel Range Organics	30.08	N/A	ritesh	Evelyn	1	E		2

RS 5/16

RS 5/13

* **Extracts relinquished on the same date as received.**

167975
10:05

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1982D **WorkList ID :** 189483 **Department :** Extraction **Date :** 05-13-2025 08:56:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1872-14	HW0425-PT-DIES-SOIL	Solid	Diesel Range Organics	Cool 4 deg C	ALLI03	QA Of	04/25/2025	8015D
Q1956-01	SB1-3-4	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L31	05/01/2025	8015D
Q1956-02	SB2-4-5	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L31	05/02/2025	8015D
Q1956-03	Q1956-02MS	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L31	05/02/2025	8015D
Q1956-04	Q1956-02MSD	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L31	05/02/2025	8015D
Q1956-06	SB91-3-4	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L31	05/01/2025	8015D
Q1982-01	TP-1	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L41	05/07/2025	8015D
Q1982-02	TP-2B	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L41	05/07/2025	8015D
Q1982-03	TP-3	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L41	05/07/2025	8015D
Q1982-04	TP-4	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L41	05/07/2025	8015D
Q1982-05	TP-5	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L41	05/07/2025	8015D
Q1982-06	TP-6	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L41	05/07/2025	8015D
Q1982-07	TP-8	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L41	05/07/2025	8015D
Q1982-08	TP-9	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L41	05/07/2025	8015D
Q2010-01	TP-10	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L51	05/08/2025	8015D
Q2010-02	TP-13	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L51	05/08/2025	8015D
Q2010-03	TP-14	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L51	05/08/2025	8015D
Q2010-04	TP-17	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L51	05/08/2025	8015D

RJ 5/16

Date/Time 05/13/25 10:00
Raw Sample Received by: RJ (LEAL-LAB)
Raw Sample Relinquished by: CP SM

Date/Time 05/13/25 10:30
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RJ (LEAL-LAB)

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

LAB CHRONICLE

OrderID:	Q1982	**OrderDate:**	5/7/2025 3:20:42 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
Q1982-01	**TP-1**	**SOIL**			**05/06/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/12/25	
Q1982-02	**TP-2B**	**SOIL**			**05/06/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/13/25	05/13/25	
Q1982-03	**TP-3**	**SOIL**			**05/06/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/13/25	05/13/25	
Q1982-04	**TP-4**	**SOIL**			**05/07/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/13/25	05/13/25	
Q1982-05	**TP-5**	**SOIL**			**05/07/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/13/25	05/13/25	
Q1982-06	**TP-6**	**SOIL**			**05/07/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/13/25	05/13/25	
Q1982-07	**TP-8**	**SOIL**			**05/07/25**			**05/07/25**

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			Diesel Range Organics	8015D		05/13/25	05/13/25
			Gasoline Range Organics	8015D			05/14/25
			PCB	8082A		05/13/25	05/13/25
Q1982-08	**TP-9**	**SOIL**			**05/07/25**		**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25
			Gasoline Range Organics	8015D			05/13/25
			PCB	8082A		05/13/25	05/13/25

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Hit Summary Sheet
SW-846

SDG No.: Q1982 **Order ID:** Q1982

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-1								
Q1982-01	TP-1	SOIL	Aluminum	5780		0.98	5.80	mg/Kg
Q1982-01	TP-1	SOIL	Arsenic	1.81		0.22	1.16	mg/Kg
Q1982-01	TP-1	SOIL	Barium	31.4		0.85	5.80	mg/Kg
Q1982-01	TP-1	SOIL	Beryllium	0.49		0.029	0.35	mg/Kg
Q1982-01	TP-1	SOIL	Calcium	560		12.9	116	mg/Kg
Q1982-01	TP-1	SOIL	Chromium	11.2		0.055	0.58	mg/Kg
Q1982-01	TP-1	SOIL	Cobalt	3.32		0.12	1.74	mg/Kg
Q1982-01	TP-1	SOIL	Copper	8.28		0.26	1.16	mg/Kg
Q1982-01	TP-1	SOIL	Iron	8230		4.63	5.80	mg/Kg
Q1982-01	TP-1	SOIL	Lead	9.47		0.15	0.70	mg/Kg
Q1982-01	TP-1	SOIL	Magnesium	903		13.9	116	mg/Kg
Q1982-01	TP-1	SOIL	Manganese	29.5		0.16	1.16	mg/Kg
Q1982-01	TP-1	SOIL	Mercury	0.018		0.0090	0.017	mg/Kg
Q1982-01	TP-1	SOIL	Nickel	6.62		0.15	2.32	mg/Kg
Q1982-01	TP-1	SOIL	Potassium	298		32.2	116	mg/Kg
Q1982-01	TP-1	SOIL	Sodium	94.5	J	20.7	116	mg/Kg
Q1982-01	TP-1	SOIL	Vanadium	17.0		0.29	2.32	mg/Kg
Q1982-01	TP-1	SOIL	Zinc	21.2		0.27	2.32	mg/Kg
Client ID : TP-2B								
Q1982-02	TP-2B	SOIL	Aluminum	2680		0.90	5.37	mg/Kg
Q1982-02	TP-2B	SOIL	Arsenic	3.50		0.20	1.07	mg/Kg
Q1982-02	TP-2B	SOIL	Barium	15.4		0.78	5.37	mg/Kg
Q1982-02	TP-2B	SOIL	Beryllium	0.38		0.027	0.32	mg/Kg
Q1982-02	TP-2B	SOIL	Calcium	315		11.9	107	mg/Kg
Q1982-02	TP-2B	SOIL	Chromium	12.8		0.050	0.54	mg/Kg
Q1982-02	TP-2B	SOIL	Cobalt	1.00	J	0.11	1.61	mg/Kg
Q1982-02	TP-2B	SOIL	Copper	12.4		0.24	1.07	mg/Kg
Q1982-02	TP-2B	SOIL	Iron	7820		4.29	5.37	mg/Kg
Q1982-02	TP-2B	SOIL	Lead	10.8		0.14	0.65	mg/Kg
Q1982-02	TP-2B	SOIL	Magnesium	463		12.9	107	mg/Kg
Q1982-02	TP-2B	SOIL	Manganese	21.2		0.15	1.07	mg/Kg
Q1982-02	TP-2B	SOIL	Nickel	2.26		0.14	2.15	mg/Kg
Q1982-02	TP-2B	SOIL	Potassium	404		29.8	107	mg/Kg
Q1982-02	TP-2B	SOIL	Sodium	40.9	J	19.1	107	mg/Kg
Q1982-02	TP-2B	SOIL	Thallium	0.43	J	0.25	2.15	mg/Kg
Q1982-02	TP-2B	SOIL	Vanadium	11.8		0.27	2.15	mg/Kg
Q1982-02	TP-2B	SOIL	Zinc	7.19		0.25	2.15	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q1982 **Order ID:** Q1982

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-3								
Q1982-03	TP-3	SOIL	Aluminum	6860		0.88	5.23	mg/Kg
Q1982-03	TP-3	SOIL	Arsenic	0.98	J	0.20	1.05	mg/Kg
Q1982-03	TP-3	SOIL	Barium	32.2		0.76	5.23	mg/Kg
Q1982-03	TP-3	SOIL	Beryllium	0.54		0.026	0.31	mg/Kg
Q1982-03	TP-3	SOIL	Cadmium	0.073	J	0.025	0.31	mg/Kg
Q1982-03	TP-3	SOIL	Calcium	127		11.6	105	mg/Kg
Q1982-03	TP-3	SOIL	Chromium	4.97		0.049	0.52	mg/Kg
Q1982-03	TP-3	SOIL	Cobalt	2.79		0.11	1.57	mg/Kg
Q1982-03	TP-3	SOIL	Copper	2.12		0.23	1.05	mg/Kg
Q1982-03	TP-3	SOIL	Iron	9220		4.17	5.23	mg/Kg
Q1982-03	TP-3	SOIL	Lead	3.44		0.14	0.63	mg/Kg
Q1982-03	TP-3	SOIL	Magnesium	180		12.5	105	mg/Kg
Q1982-03	TP-3	SOIL	Manganese	15.0		0.15	1.05	mg/Kg
Q1982-03	TP-3	SOIL	Nickel	3.55		0.14	2.09	mg/Kg
Q1982-03	TP-3	SOIL	Potassium	121		28.9	105	mg/Kg
Q1982-03	TP-3	SOIL	Sodium	85.7	J	18.6	105	mg/Kg
Q1982-03	TP-3	SOIL	Vanadium	10.8		0.26	2.09	mg/Kg
Q1982-03	TP-3	SOIL	Zinc	9.47		0.24	2.09	mg/Kg
Client ID : TP-4								
Q1982-04	TP-4	SOIL	Aluminum	5780		0.86	5.13	mg/Kg
Q1982-04	TP-4	SOIL	Arsenic	3.25		0.20	1.03	mg/Kg
Q1982-04	TP-4	SOIL	Barium	24.5		0.75	5.13	mg/Kg
Q1982-04	TP-4	SOIL	Beryllium	0.40		0.026	0.31	mg/Kg
Q1982-04	TP-4	SOIL	Calcium	633		11.4	103	mg/Kg
Q1982-04	TP-4	SOIL	Chromium	10.3		0.048	0.51	mg/Kg
Q1982-04	TP-4	SOIL	Cobalt	3.07		0.10	1.54	mg/Kg
Q1982-04	TP-4	SOIL	Copper	7.56		0.23	1.03	mg/Kg
Q1982-04	TP-4	SOIL	Iron	12400		4.09	5.13	mg/Kg
Q1982-04	TP-4	SOIL	Lead	12.0		0.13	0.62	mg/Kg
Q1982-04	TP-4	SOIL	Magnesium	560		12.3	103	mg/Kg
Q1982-04	TP-4	SOIL	Manganese	52.7		0.14	1.03	mg/Kg
Q1982-04	TP-4	SOIL	Mercury	0.067		0.0080	0.014	mg/Kg
Q1982-04	TP-4	SOIL	Nickel	5.92		0.13	2.05	mg/Kg
Q1982-04	TP-4	SOIL	Potassium	210		28.4	103	mg/Kg
Q1982-04	TP-4	SOIL	Silver	0.27	J	0.12	0.51	mg/Kg
Q1982-04	TP-4	SOIL	Sodium	82.9	J	18.3	103	mg/Kg
Q1982-04	TP-4	SOIL	Thallium	0.77	J	0.24	2.05	mg/Kg
Q1982-04	TP-4	SOIL	Vanadium	16.5		0.26	2.05	mg/Kg

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Hit Summary Sheet
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SDG No.: Q1982 **Order ID:** Q1982

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1982-04	TP-4	SOIL	Zinc	31.1		0.24	2.05	mg/Kg
Client ID : TP-5								
Q1982-05	TP-5	SOIL	Aluminum	2780		0.84	5.01	mg/Kg
Q1982-05	TP-5	SOIL	Arsenic	2.96		0.19	1.00	mg/Kg
Q1982-05	TP-5	SOIL	Barium	12.2		0.73	5.01	mg/Kg
Q1982-05	TP-5	SOIL	Beryllium	0.38		0.025	0.30	mg/Kg
Q1982-05	TP-5	SOIL	Calcium	873		11.1	100	mg/Kg
Q1982-05	TP-5	SOIL	Chromium	7.77		0.047	0.50	mg/Kg
Q1982-05	TP-5	SOIL	Cobalt	1.37	J	0.10	1.50	mg/Kg
Q1982-05	TP-5	SOIL	Copper	7.46		0.22	1.00	mg/Kg
Q1982-05	TP-5	SOIL	Iron	14800		4.00	5.01	mg/Kg
Q1982-05	TP-5	SOIL	Lead	6.83		0.13	0.60	mg/Kg
Q1982-05	TP-5	SOIL	Magnesium	255		12.0	100	mg/Kg
Q1982-05	TP-5	SOIL	Manganese	24.7		0.14	1.00	mg/Kg
Q1982-05	TP-5	SOIL	Mercury	0.0080	J	0.0070	0.013	mg/Kg
Q1982-05	TP-5	SOIL	Nickel	2.38		0.13	2.00	mg/Kg
Q1982-05	TP-5	SOIL	Potassium	134		27.8	100	mg/Kg
Q1982-05	TP-5	SOIL	Silver	0.12	J	0.12	0.50	mg/Kg
Q1982-05	TP-5	SOIL	Sodium	54.6	J	17.8	100	mg/Kg
Q1982-05	TP-5	SOIL	Thallium	1.11	J	0.23	2.00	mg/Kg
Q1982-05	TP-5	SOIL	Vanadium	14.4		0.25	2.00	mg/Kg
Q1982-05	TP-5	SOIL	Zinc	13.6		0.23	2.00	mg/Kg
Client ID : TP-6								
Q1982-06	TP-6	SOIL	Aluminum	1110		0.89	5.32	mg/Kg
Q1982-06	TP-6	SOIL	Arsenic	1.26		0.20	1.06	mg/Kg
Q1982-06	TP-6	SOIL	Barium	2.61	J	0.78	5.32	mg/Kg
Q1982-06	TP-6	SOIL	Beryllium	0.37		0.027	0.32	mg/Kg
Q1982-06	TP-6	SOIL	Calcium	439		11.8	106	mg/Kg
Q1982-06	TP-6	SOIL	Chromium	4.85		0.050	0.53	mg/Kg
Q1982-06	TP-6	SOIL	Cobalt	0.72	J	0.11	1.60	mg/Kg
Q1982-06	TP-6	SOIL	Copper	6.37		0.23	1.06	mg/Kg
Q1982-06	TP-6	SOIL	Iron	21500		4.25	5.32	mg/Kg
Q1982-06	TP-6	SOIL	Lead	3.97		0.14	0.64	mg/Kg
Q1982-06	TP-6	SOIL	Magnesium	69.0	J	12.8	106	mg/Kg
Q1982-06	TP-6	SOIL	Manganese	145		0.15	1.06	mg/Kg
Q1982-06	TP-6	SOIL	Mercury	0.035		0.0080	0.014	mg/Kg
Q1982-06	TP-6	SOIL	Nickel	0.94	J	0.14	2.13	mg/Kg
Q1982-06	TP-6	SOIL	Potassium	139		29.5	106	mg/Kg
Q1982-06	TP-6	SOIL	Silver	0.30	J	0.13	0.53	mg/Kg

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Hit Summary Sheet
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SDG No.: Q1982 **Order ID:** Q1982

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1982-06	TP-6	SOIL	Sodium	101	J	18.9	106	mg/Kg
Q1982-06	TP-6	SOIL	Thallium	1.78	J	0.25	2.13	mg/Kg
Q1982-06	TP-6	SOIL	Vanadium	6.98		0.27	2.13	mg/Kg
Q1982-06	TP-6	SOIL	Zinc	8.05		0.25	2.13	mg/Kg
Client ID : TP-8								
Q1982-07	TP-8	SOIL	Aluminum	2490		0.86	5.13	mg/Kg
Q1982-07	TP-8	SOIL	Arsenic	4.06		0.20	1.03	mg/Kg
Q1982-07	TP-8	SOIL	Barium	7.78		0.75	5.13	mg/Kg
Q1982-07	TP-8	SOIL	Beryllium	0.25	J	0.026	0.31	mg/Kg
Q1982-07	TP-8	SOIL	Calcium	585		11.4	103	mg/Kg
Q1982-07	TP-8	SOIL	Chromium	7.08		0.048	0.51	mg/Kg
Q1982-07	TP-8	SOIL	Cobalt	1.34	J	0.10	1.54	mg/Kg
Q1982-07	TP-8	SOIL	Copper	10.3		0.23	1.03	mg/Kg
Q1982-07	TP-8	SOIL	Iron	11200		4.09	5.13	mg/Kg
Q1982-07	TP-8	SOIL	Lead	13.8		0.13	0.62	mg/Kg
Q1982-07	TP-8	SOIL	Magnesium	486		12.3	103	mg/Kg
Q1982-07	TP-8	SOIL	Manganese	19.3		0.14	1.03	mg/Kg
Q1982-07	TP-8	SOIL	Mercury	0.020		0.0080	0.015	mg/Kg
Q1982-07	TP-8	SOIL	Nickel	2.56		0.13	2.05	mg/Kg
Q1982-07	TP-8	SOIL	Potassium	183		28.4	103	mg/Kg
Q1982-07	TP-8	SOIL	Silver	0.16	J	0.12	0.51	mg/Kg
Q1982-07	TP-8	SOIL	Sodium	352		18.3	103	mg/Kg
Q1982-07	TP-8	SOIL	Thallium	0.56	J	0.24	2.05	mg/Kg
Q1982-07	TP-8	SOIL	Vanadium	16.9		0.26	2.05	mg/Kg
Q1982-07	TP-8	SOIL	Zinc	20.8		0.24	2.05	mg/Kg
Client ID : TP-9								
Q1982-08	TP-9	SOIL	Aluminum	5380		0.97	5.77	mg/Kg
Q1982-08	TP-9	SOIL	Arsenic	10.5		0.22	1.15	mg/Kg
Q1982-08	TP-9	SOIL	Barium	3.89	J	0.84	5.77	mg/Kg
Q1982-08	TP-9	SOIL	Beryllium	1.27		0.029	0.35	mg/Kg
Q1982-08	TP-9	SOIL	Calcium	460		12.8	115	mg/Kg
Q1982-08	TP-9	SOIL	Chromium	15.6		0.054	0.58	mg/Kg
Q1982-08	TP-9	SOIL	Cobalt	1.72	J	0.12	1.73	mg/Kg
Q1982-08	TP-9	SOIL	Copper	32.3		0.25	1.15	mg/Kg
Q1982-08	TP-9	SOIL	Iron	81700		4.61	5.77	mg/Kg
Q1982-08	TP-9	SOIL	Lead	3.22		0.15	0.69	mg/Kg
Q1982-08	TP-9	SOIL	Magnesium	46.8	J	13.9	115	mg/Kg
Q1982-08	TP-9	SOIL	Manganese	1.98		0.16	1.15	mg/Kg
Q1982-08	TP-9	SOIL	Mercury	0.024		0.0080	0.015	mg/Kg

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Hit Summary Sheet
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SDG No.: Q1982 **Order ID:** Q1982

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1982-08	TP-9	SOIL	Nickel	1.04	J	0.15	2.31	mg/Kg
Q1982-08	TP-9	SOIL	Potassium	177		32.0	115	mg/Kg
Q1982-08	TP-9	SOIL	Sodium	44.0	J	20.6	115	mg/Kg
Q1982-08	TP-9	SOIL	Thallium	7.36		0.27	2.31	mg/Kg
Q1982-08	TP-9	SOIL	Vanadium	22.0		0.29	2.31	mg/Kg
Q1982-08	TP-9	SOIL	Zinc	23.8		0.27	2.31	mg/Kg

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-1	SDG No.:	Q1982
Lab Sample ID:	Q1982-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	80.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5780		1	0.98	5.80	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-36-0	Antimony	0.26	UN	1	0.26	2.90	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-38-2	Arsenic	1.81	N	1	0.22	1.16	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-39-3	Barium	31.4		1	0.85	5.80	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-41-7	Beryllium	0.49	N	1	0.029	0.35	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-43-9	Cadmium	0.028	U	1	0.028	0.35	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-70-2	Calcium	560	N	1	12.9	116	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-47-3	Chromium	11.2	N	1	0.055	0.58	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-48-4	Cobalt	3.32		1	0.12	1.74	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-50-8	Copper	8.28	N	1	0.26	1.16	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7439-89-6	Iron	8230		1	4.63	5.80	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7439-92-1	Lead	9.47		1	0.15	0.70	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7439-95-4	Magnesium	903	N	1	13.9	116	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7439-96-5	Manganese	29.5		1	0.16	1.16	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7439-97-6	Mercury	0.018		1	0.0090	0.017	mg/Kg	05/09/25 16:05	05/12/25 10:25	7471B	
7440-02-0	Nickel	6.62		1	0.15	2.32	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-09-7	Potassium	298	N	1	32.2	116	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7782-49-2	Selenium	0.30	UN	1	0.30	1.16	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-22-4	Silver	0.14	UN	1	0.14	0.58	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-23-5	Sodium	94.5	JN	1	20.7	116	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-28-0	Thallium	0.27	U	1	0.27	2.32	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-62-2	Vanadium	17.0	N	1	0.29	2.32	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-66-6	Zinc	21.2	N	1	0.27	2.32	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-2B	SDG No.:	Q1982
Lab Sample ID:	Q1982-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	85

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	2680		1	0.90	5.37	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-36-0	Antimony	0.24	UN	1	0.24	2.69	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-38-2	Arsenic	3.50	N	1	0.20	1.07	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-39-3	Barium	15.4		1	0.78	5.37	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-41-7	Beryllium	0.38	N	1	0.027	0.32	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-43-9	Cadmium	0.026	U	1	0.026	0.32	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-70-2	Calcium	315	N	1	11.9	107	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-47-3	Chromium	12.8	N	1	0.050	0.54	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-48-4	Cobalt	1.00	J	1	0.11	1.61	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-50-8	Copper	12.4	N	1	0.24	1.07	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7439-89-6	Iron	7820		1	4.29	5.37	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7439-92-1	Lead	10.8		1	0.14	0.65	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7439-95-4	Magnesium	463	N	1	12.9	107	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7439-96-5	Manganese	21.2		1	0.15	1.07	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7439-97-6	Mercury	0.0090	U	1	0.0090	0.016	mg/Kg	05/09/25 16:05	05/12/25 10:27	7471B	
7440-02-0	Nickel	2.26		1	0.14	2.15	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-09-7	Potassium	404	N	1	29.8	107	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7782-49-2	Selenium	0.28	UN	1	0.28	1.07	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-22-4	Silver	0.13	UN	1	0.13	0.54	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-23-5	Sodium	40.9	JN	1	19.1	107	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-28-0	Thallium	0.43	J	1	0.25	2.15	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-62-2	Vanadium	11.8	N	1	0.27	2.15	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-66-6	Zinc	7.19	N	1	0.25	2.15	mg/Kg	05/09/25 10:05	05/13/25 20:35	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
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-3	SDG No.:	Q1982
Lab Sample ID:	Q1982-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6860		1	0.88	5.23	mg/Kg	05/09/25 10:05	05/13/25 20:39	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.61	mg/Kg	05/09/25 10:05	05/13/25 20:39	6010D	SW3050
7440-38-2	Arsenic	0.98	JN	1	0.20	1.05	mg/Kg	05/09/25 10:05	05/13/25 20:39	6010D	SW3050
7440-39-3	Barium	32.2		1	0.76	5.23	mg/Kg	05/09/25 10:05	05/13/25 20:39	6010D	SW3050
7440-41-7	Beryllium	0.54	N	1	0.026	0.31	mg/Kg	05/09/25 10:05	05/13/25 20:39	6010D	SW3050
7440-43-9	Cadmium	0.073	J	1	0.025	0.31	mg/Kg	05/09/25 10:05	05/13/25 20:39	6010D	SW3050
7440-70-2	Calcium	127	N	1	11.6	105	mg/Kg	05/09/25 10:05	05/13/25 20:39	6010D	SW3050
7440-47-3	Chromium	4.97	N	1	0.049	0.52	mg/Kg	05/09/25 10:05	05/13/25 20:39	6010D	SW3050
7440-48-4	Cobalt	2.79		1	0.11	1.57	mg/Kg	05/09/25 10:05	05/13/25 20:39	6010D	SW3050
7440-50-8	Copper	2.12	N	1	0.23	1.05	mg/Kg	05/09/25 10:05	05/13/25 20:39	6010D	SW3050
7439-89-6	Iron	9220		1	4.17	5.23	mg/Kg	05/09/25 10:05	05/13/25 20:39	6010D	SW3050
7439-92-1	Lead	3.44		1	0.14	0.63	mg/Kg	05/09/25 10:05	05/13/25 20:39	6010D	SW3050
7439-95-4	Magnesium	180	N	1	12.5	105	mg/Kg	05/09/25 10:05	05/13/25 20:39	6010D	SW3050
7439-96-5	Manganese	15.0		1	0.15	1.05	mg/Kg	05/09/25 10:05	05/13/25 20:39	6010D	SW3050
7439-97-6	Mercury	0.0080	U	1	0.0080	0.014	mg/Kg	05/09/25 16:05	05/12/25 10:29	7471B	
7440-02-0	Nickel	3.55		1	0.14	2.09	mg/Kg	05/09/25 10:05	05/13/25 20:39	6010D	SW3050
7440-09-7	Potassium	121	N	1	28.9	105	mg/Kg	05/09/25 10:05	05/13/25 20:39	6010D	SW3050
7782-49-2	Selenium	0.27	UN	1	0.27	1.05	mg/Kg	05/09/25 10:05	05/13/25 20:39	6010D	SW3050
7440-22-4	Silver	0.13	UN	1	0.13	0.52	mg/Kg	05/09/25 10:05	05/13/25 20:39	6010D	SW3050
7440-23-5	Sodium	85.7	JN	1	18.6	105	mg/Kg	05/09/25 10:05	05/13/25 20:39	6010D	SW3050
7440-28-0	Thallium	0.24	U	1	0.24	2.09	mg/Kg	05/09/25 10:05	05/13/25 20:39	6010D	SW3050
7440-62-2	Vanadium	10.8	N	1	0.26	2.09	mg/Kg	05/09/25 10:05	05/13/25 20:39	6010D	SW3050
7440-66-6	Zinc	9.47	N	1	0.24	2.09	mg/Kg	05/09/25 10:05	05/13/25 20:39	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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-4	SDG No.:	Q1982
Lab Sample ID:	Q1982-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	87.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5780		1	0.86	5.13	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.57	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-38-2	Arsenic	3.25	N	1	0.20	1.03	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-39-3	Barium	24.5		1	0.75	5.13	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-41-7	Beryllium	0.40	N	1	0.026	0.31	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-43-9	Cadmium	0.025	U	1	0.025	0.31	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-70-2	Calcium	633	N	1	11.4	103	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-47-3	Chromium	10.3	N	1	0.048	0.51	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-48-4	Cobalt	3.07		1	0.10	1.54	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-50-8	Copper	7.56	N	1	0.23	1.03	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7439-89-6	Iron	12400		1	4.09	5.13	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7439-92-1	Lead	12.0		1	0.13	0.62	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7439-95-4	Magnesium	560	N	1	12.3	103	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7439-96-5	Manganese	52.7		1	0.14	1.03	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7439-97-6	Mercury	0.067		1	0.0080	0.014	mg/Kg	05/09/25 16:05	05/12/25 10:32	7471B	
7440-02-0	Nickel	5.92		1	0.13	2.05	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-09-7	Potassium	210	N	1	28.4	103	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7782-49-2	Selenium	0.27	UN	1	0.27	1.03	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-22-4	Silver	0.27	JN	1	0.12	0.51	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-23-5	Sodium	82.9	JN	1	18.3	103	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-28-0	Thallium	0.77	J	1	0.24	2.05	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-62-2	Vanadium	16.5	N	1	0.26	2.05	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-66-6	Zinc	31.1	N	1	0.24	2.05	mg/Kg	05/09/25 10:05	05/13/25 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
LOD = Limit of Detection
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-5	SDG No.:	Q1982
Lab Sample ID:	Q1982-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	2780		1	0.84	5.01	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.51	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-38-2	Arsenic	2.96	N	1	0.19	1.00	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-39-3	Barium	12.2		1	0.73	5.01	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-41-7	Beryllium	0.38	N	1	0.025	0.30	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-70-2	Calcium	873	N	1	11.1	100	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-47-3	Chromium	7.77	N	1	0.047	0.50	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-48-4	Cobalt	1.37	J	1	0.10	1.50	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-50-8	Copper	7.46	N	1	0.22	1.00	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7439-89-6	Iron	14800		1	4.00	5.01	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7439-92-1	Lead	6.83		1	0.13	0.60	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7439-95-4	Magnesium	255	N	1	12.0	100	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7439-96-5	Manganese	24.7		1	0.14	1.00	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7439-97-6	Mercury	0.0080	J	1	0.0070	0.013	mg/Kg	05/09/25 16:05	05/12/25 10:34	7471B	
7440-02-0	Nickel	2.38		1	0.13	2.00	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-09-7	Potassium	134	N	1	27.8	100	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7782-49-2	Selenium	0.26	UN	1	0.26	1.00	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-22-4	Silver	0.12	JN	1	0.12	0.50	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-23-5	Sodium	54.6	JN	1	17.8	100	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-28-0	Thallium	1.11	J	1	0.23	2.00	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-62-2	Vanadium	14.4	N	1	0.25	2.00	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-66-6	Zinc	13.6	N	1	0.23	2.00	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
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N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-6	SDG No.:	Q1982
Lab Sample ID:	Q1982-06	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	1110		1	0.89	5.32	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.66	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-38-2	Arsenic	1.26	N	1	0.20	1.06	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-39-3	Barium	2.61	J	1	0.78	5.32	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-41-7	Beryllium	0.37	N	1	0.027	0.32	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-43-9	Cadmium	0.026	U	1	0.026	0.32	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-70-2	Calcium	439	N	1	11.8	106	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-47-3	Chromium	4.85	N	1	0.050	0.53	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-48-4	Cobalt	0.72	J	1	0.11	1.60	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-50-8	Copper	6.37	N	1	0.23	1.06	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7439-89-6	Iron	21500		1	4.25	5.32	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7439-92-1	Lead	3.97		1	0.14	0.64	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7439-95-4	Magnesium	69.0	JN	1	12.8	106	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7439-96-5	Manganese	145		1	0.15	1.06	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7439-97-6	Mercury	0.035		1	0.0080	0.014	mg/Kg	05/09/25 16:05	05/12/25 10:41	7471B	
7440-02-0	Nickel	0.94	J	1	0.14	2.13	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-09-7	Potassium	139	N	1	29.5	106	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7782-49-2	Selenium	0.28	UN	1	0.28	1.06	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-22-4	Silver	0.30	JN	1	0.13	0.53	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-23-5	Sodium	101	JN	1	18.9	106	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-28-0	Thallium	1.78	J	1	0.25	2.13	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-62-2	Vanadium	6.98	N	1	0.27	2.13	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-66-6	Zinc	8.05	N	1	0.25	2.13	mg/Kg	05/09/25 10:05	05/13/25 21:21	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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-8	SDG No.:	Q1982
Lab Sample ID:	Q1982-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	2490		1	0.86	5.13	mg/Kg	05/09/25 10:05	05/13/25 21:25	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.56	mg/Kg	05/09/25 10:05	05/13/25 21:25	6010D	SW3050
7440-38-2	Arsenic	4.06	N	1	0.20	1.03	mg/Kg	05/09/25 10:05	05/13/25 21:25	6010D	SW3050
7440-39-3	Barium	7.78		1	0.75	5.13	mg/Kg	05/09/25 10:05	05/13/25 21:25	6010D	SW3050
7440-41-7	Beryllium	0.25	JN	1	0.026	0.31	mg/Kg	05/09/25 10:05	05/13/25 21:25	6010D	SW3050
7440-43-9	Cadmium	0.025	U	1	0.025	0.31	mg/Kg	05/09/25 10:05	05/13/25 21:25	6010D	SW3050
7440-70-2	Calcium	585	N	1	11.4	103	mg/Kg	05/09/25 10:05	05/13/25 21:25	6010D	SW3050
7440-47-3	Chromium	7.08	N	1	0.048	0.51	mg/Kg	05/09/25 10:05	05/13/25 21:25	6010D	SW3050
7440-48-4	Cobalt	1.34	J	1	0.10	1.54	mg/Kg	05/09/25 10:05	05/13/25 21:25	6010D	SW3050
7440-50-8	Copper	10.3	N	1	0.23	1.03	mg/Kg	05/09/25 10:05	05/13/25 21:25	6010D	SW3050
7439-89-6	Iron	11200		1	4.09	5.13	mg/Kg	05/09/25 10:05	05/13/25 21:25	6010D	SW3050
7439-92-1	Lead	13.8		1	0.13	0.62	mg/Kg	05/09/25 10:05	05/13/25 21:25	6010D	SW3050
7439-95-4	Magnesium	486	N	1	12.3	103	mg/Kg	05/09/25 10:05	05/13/25 21:25	6010D	SW3050
7439-96-5	Manganese	19.3		1	0.14	1.03	mg/Kg	05/09/25 10:05	05/13/25 21:25	6010D	SW3050
7439-97-6	Mercury	0.020		1	0.0080	0.015	mg/Kg	05/09/25 16:05	05/12/25 10:43	7471B	
7440-02-0	Nickel	2.56		1	0.13	2.05	mg/Kg	05/09/25 10:05	05/13/25 21:25	6010D	SW3050
7440-09-7	Potassium	183	N	1	28.4	103	mg/Kg	05/09/25 10:05	05/13/25 21:25	6010D	SW3050
7782-49-2	Selenium	0.27	UN	1	0.27	1.03	mg/Kg	05/09/25 10:05	05/13/25 21:25	6010D	SW3050
7440-22-4	Silver	0.16	JN	1	0.12	0.51	mg/Kg	05/09/25 10:05	05/13/25 21:25	6010D	SW3050
7440-23-5	Sodium	352	N	1	18.3	103	mg/Kg	05/09/25 10:05	05/13/25 21:25	6010D	SW3050
7440-28-0	Thallium	0.56	J	1	0.24	2.05	mg/Kg	05/09/25 10:05	05/13/25 21:25	6010D	SW3050
7440-62-2	Vanadium	16.9	N	1	0.26	2.05	mg/Kg	05/09/25 10:05	05/13/25 21:25	6010D	SW3050
7440-66-6	Zinc	20.8	N	1	0.24	2.05	mg/Kg	05/09/25 10:05	05/13/25 21:25	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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J = Estimated Value
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-9	SDG No.:	Q1982
Lab Sample ID:	Q1982-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	81.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5380		1	0.97	5.77	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-36-0	Antimony	0.25	UN	1	0.25	2.89	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-38-2	Arsenic	10.5	N	1	0.22	1.15	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-39-3	Barium	3.89	J	1	0.84	5.77	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-41-7	Beryllium	1.27	N	1	0.029	0.35	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-43-9	Cadmium	0.028	U	1	0.028	0.35	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-70-2	Calcium	460	N	1	12.8	115	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-47-3	Chromium	15.6	N	1	0.054	0.58	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-48-4	Cobalt	1.72	J	1	0.12	1.73	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-50-8	Copper	32.3	N	1	0.25	1.15	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7439-89-6	Iron	81700		1	4.61	5.77	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7439-92-1	Lead	3.22		1	0.15	0.69	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7439-95-4	Magnesium	46.8	JN	1	13.9	115	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7439-96-5	Manganese	1.98		1	0.16	1.15	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7439-97-6	Mercury	0.024		1	0.0080	0.015	mg/Kg	05/09/25 16:05	05/12/25 10:45	7471B	
7440-02-0	Nickel	1.04	J	1	0.15	2.31	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-09-7	Potassium	177	N	1	32.0	115	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7782-49-2	Selenium	0.30	UN	1	0.30	1.15	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-22-4	Silver	0.14	UN	1	0.14	0.58	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-23-5	Sodium	44.0	JN	1	20.6	115	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-28-0	Thallium	7.36		1	0.27	2.31	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-62-2	Vanadium	22.0	N	1	0.29	2.31	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-66-6	Zinc	23.8	N	1	0.27	2.31	mg/Kg	05/09/25 10:05	05/13/25 21:29	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.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB05	Mercury	0.20	+/-0.20	U	0.20	CV	05/12/2025	09:58	LB135733

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB07	Mercury	0.20	+/-0.20	U	0.20	CV	05/12/2025	10:08	LB135733
CCB08	Mercury	0.20	+/-0.20	U	0.20	CV	05/12/2025	10:39	LB135733
CCB09	Mercury	0.20	+/-0.20	U	0.20	CV	05/12/2025	11:11	LB135733
CCB10	Mercury	0.20	+/-0.20	U	0.20	CV	05/12/2025	11:39	LB135733
CCB11	Mercury	0.20	+/-0.20	U	0.20	CV	05/12/2025	12:53	LB135733
CCB12	Mercury	0.20	+/-0.20	U	0.20	CV	05/12/2025	13:27	LB135733

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	05/13/2025	12:55	LB135756
	Antimony	50.0	+/-50.0	U	50.0	P	05/13/2025	12:55	LB135756
	Arsenic	20.0	+/-20.0	U	20.0	P	05/13/2025	12:55	LB135756
	Barium	100	+/-100	U	100	P	05/13/2025	12:55	LB135756
	Beryllium	6.00	+/-6.00	U	6.00	P	05/13/2025	12:55	LB135756
	Cadmium	6.00	+/-6.00	U	6.00	P	05/13/2025	12:55	LB135756
	Calcium	2000	+/-2000	U	2000	P	05/13/2025	12:55	LB135756
	Chromium	10.0	+/-10.0	U	10.0	P	05/13/2025	12:55	LB135756
	Cobalt	30.0	+/-30.0	U	30.0	P	05/13/2025	12:55	LB135756
	Copper	20.0	+/-20.0	U	20.0	P	05/13/2025	12:55	LB135756
	Iron	100	+/-100	U	100	P	05/13/2025	12:55	LB135756
	Lead	12.0	+/-12.0	U	12.0	P	05/13/2025	12:55	LB135756
	Magnesium	2000	+/-2000	U	2000	P	05/13/2025	12:55	LB135756
	Manganese	20.0	+/-20.0	U	20.0	P	05/13/2025	12:55	LB135756
	Nickel	40.0	+/-40.0	U	40.0	P	05/13/2025	12:55	LB135756
	Potassium	2000	+/-2000	U	2000	P	05/13/2025	12:55	LB135756
	Selenium	20.0	+/-20.0	U	20.0	P	05/13/2025	12:55	LB135756
	Silver	10.0	+/-10.0	U	10.0	P	05/13/2025	12:55	LB135756
	Sodium	2000	+/-2000	U	2000	P	05/13/2025	12:55	LB135756
	Thallium	40.0	+/-40.0	U	40.0	P	05/13/2025	12:55	LB135756
	Vanadium	40.0	+/-40.0	U	40.0	P	05/13/2025	12:55	LB135756
	Zinc	40.0	+/-40.0	U	40.0	P	05/13/2025	12:55	LB135756

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	05/13/2025	13:26	LB135756
	Antimony	50.0	+/-50.0	U	50.0	P	05/13/2025	13:26	LB135756
	Arsenic	20.0	+/-20.0	U	20.0	P	05/13/2025	13:26	LB135756
	Barium	100	+/-100	U	100	P	05/13/2025	13:26	LB135756
	Beryllium	6.00	+/-6.00	U	6.00	P	05/13/2025	13:26	LB135756
	Cadmium	6.00	+/-6.00	U	6.00	P	05/13/2025	13:26	LB135756
	Calcium	2000	+/-2000	U	2000	P	05/13/2025	13:26	LB135756
	Chromium	10.0	+/-10.0	U	10.0	P	05/13/2025	13:26	LB135756
	Cobalt	30.0	+/-30.0	U	30.0	P	05/13/2025	13:26	LB135756
	Copper	20.0	+/-20.0	U	20.0	P	05/13/2025	13:26	LB135756
	Iron	100	+/-100	U	100	P	05/13/2025	13:26	LB135756
	Lead	12.0	+/-12.0	U	12.0	P	05/13/2025	13:26	LB135756
	Magnesium	2000	+/-2000	U	2000	P	05/13/2025	13:26	LB135756
	Manganese	20.0	+/-20.0	U	20.0	P	05/13/2025	13:26	LB135756
	Nickel	40.0	+/-40.0	U	40.0	P	05/13/2025	13:26	LB135756
	Potassium	2000	+/-2000	U	2000	P	05/13/2025	13:26	LB135756
	Selenium	20.0	+/-20.0	U	20.0	P	05/13/2025	13:26	LB135756
	Silver	10.0	+/-10.0	U	10.0	P	05/13/2025	13:26	LB135756
	Sodium	2000	+/-2000	U	2000	P	05/13/2025	13:26	LB135756
	Thallium	40.0	+/-40.0	U	40.0	P	05/13/2025	13:26	LB135756
	Vanadium	40.0	+/-40.0	U	40.0	P	05/13/2025	13:26	LB135756
	Zinc	40.0	+/-40.0	U	40.0	P	05/13/2025	13:26	LB135756
CCB02	Aluminum	16.5	+/-100	J	100	P	05/13/2025	14:56	LB135756
	Antimony	50.0	+/-50.0	U	50.0	P	05/13/2025	14:56	LB135756
	Arsenic	20.0	+/-20.0	U	20.0	P	05/13/2025	14:56	LB135756
	Barium	100	+/-100	U	100	P	05/13/2025	14:56	LB135756
	Beryllium	6.00	+/-6.00	U	6.00	P	05/13/2025	14:56	LB135756
	Cadmium	6.00	+/-6.00	U	6.00	P	05/13/2025	14:56	LB135756
	Calcium	2000	+/-2000	U	2000	P	05/13/2025	14:56	LB135756
	Chromium	10.0	+/-10.0	U	10.0	P	05/13/2025	14:56	LB135756
	Cobalt	30.0	+/-30.0	U	30.0	P	05/13/2025	14:56	LB135756
	Copper	20.0	+/-20.0	U	20.0	P	05/13/2025	14:56	LB135756
	Iron	100	+/-100	U	100	P	05/13/2025	14:56	LB135756
	Lead	12.0	+/-12.0	U	12.0	P	05/13/2025	14:56	LB135756
	Magnesium	2000	+/-2000	U	2000	P	05/13/2025	14:56	LB135756
	Manganese	20.0	+/-20.0	U	20.0	P	05/13/2025	14:56	LB135756
	Nickel	40.0	+/-40.0	U	40.0	P	05/13/2025	14:56	LB135756
	Potassium	2000	+/-2000	U	2000	P	05/13/2025	14:56	LB135756
	Selenium	20.0	+/-20.0	U	20.0	P	05/13/2025	14:56	LB135756

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	05/13/2025	14:56	LB135756
	Sodium	2000	+/-2000	U	2000	P	05/13/2025	14:56	LB135756
	Thallium	40.0	+/-40.0	U	40.0	P	05/13/2025	14:56	LB135756
	Vanadium	40.0	+/-40.0	U	40.0	P	05/13/2025	14:56	LB135756
	Zinc	40.0	+/-40.0	U	40.0	P	05/13/2025	14:56	LB135756
CCB03	Aluminum	100	+/-100	U	100	P	05/13/2025	16:47	LB135756
	Antimony	50.0	+/-50.0	U	50.0	P	05/13/2025	16:47	LB135756
	Arsenic	20.0	+/-20.0	U	20.0	P	05/13/2025	16:47	LB135756
	Barium	100	+/-100	U	100	P	05/13/2025	16:47	LB135756
	Beryllium	6.00	+/-6.00	U	6.00	P	05/13/2025	16:47	LB135756
	Cadmium	6.00	+/-6.00	U	6.00	P	05/13/2025	16:47	LB135756
	Calcium	2000	+/-2000	U	2000	P	05/13/2025	16:47	LB135756
	Chromium	10.0	+/-10.0	U	10.0	P	05/13/2025	16:47	LB135756
	Cobalt	30.0	+/-30.0	U	30.0	P	05/13/2025	16:47	LB135756
	Copper	20.0	+/-20.0	U	20.0	P	05/13/2025	16:47	LB135756
	Iron	100	+/-100	U	100	P	05/13/2025	16:47	LB135756
	Lead	12.0	+/-12.0	U	12.0	P	05/13/2025	16:47	LB135756
	Magnesium	2000	+/-2000	U	2000	P	05/13/2025	16:47	LB135756
	Manganese	20.0	+/-20.0	U	20.0	P	05/13/2025	16:47	LB135756
	Nickel	40.0	+/-40.0	U	40.0	P	05/13/2025	16:47	LB135756
	Potassium	2000	+/-2000	U	2000	P	05/13/2025	16:47	LB135756
	Selenium	20.0	+/-20.0	U	20.0	P	05/13/2025	16:47	LB135756
	Silver	10.0	+/-10.0	U	10.0	P	05/13/2025	16:47	LB135756
	Sodium	2000	+/-2000	U	2000	P	05/13/2025	16:47	LB135756
	Thallium	40.0	+/-40.0	U	40.0	P	05/13/2025	16:47	LB135756
	Vanadium	40.0	+/-40.0	U	40.0	P	05/13/2025	16:47	LB135756
	Zinc	40.0	+/-40.0	U	40.0	P	05/13/2025	16:47	LB135756
CCB04	Aluminum	11.3	+/-100	J	100	P	05/13/2025	17:46	LB135756
	Antimony	50.0	+/-50.0	U	50.0	P	05/13/2025	17:46	LB135756
	Arsenic	20.0	+/-20.0	U	20.0	P	05/13/2025	17:46	LB135756
	Barium	100	+/-100	U	100	P	05/13/2025	17:46	LB135756
	Beryllium	6.00	+/-6.00	U	6.00	P	05/13/2025	17:46	LB135756
	Cadmium	6.00	+/-6.00	U	6.00	P	05/13/2025	17:46	LB135756
	Calcium	2000	+/-2000	U	2000	P	05/13/2025	17:46	LB135756
	Chromium	10.0	+/-10.0	U	10.0	P	05/13/2025	17:46	LB135756
	Cobalt	30.0	+/-30.0	U	30.0	P	05/13/2025	17:46	LB135756
	Copper	20.0	+/-20.0	U	20.0	P	05/13/2025	17:46	LB135756
	Iron	100	+/-100	U	100	P	05/13/2025	17:46	LB135756
	Lead	12.0	+/-12.0	U	12.0	P	05/13/2025	17:46	LB135756

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	05/13/2025	17:46	LB135756
	Manganese	20.0	+/-20.0	U	20.0	P	05/13/2025	17:46	LB135756
	Nickel	40.0	+/-40.0	U	40.0	P	05/13/2025	17:46	LB135756
	Potassium	2000	+/-2000	U	2000	P	05/13/2025	17:46	LB135756
	Selenium	20.0	+/-20.0	U	20.0	P	05/13/2025	17:46	LB135756
	Silver	10.0	+/-10.0	U	10.0	P	05/13/2025	17:46	LB135756
	Sodium	956	+/-2000	J	2000	P	05/13/2025	17:46	LB135756
	Thallium	40.0	+/-40.0	U	40.0	P	05/13/2025	17:46	LB135756
	Vanadium	40.0	+/-40.0	U	40.0	P	05/13/2025	17:46	LB135756
	Zinc	40.0	+/-40.0	U	40.0	P	05/13/2025	17:46	LB135756
CCB05	Aluminum	14.7	+/-100	J	100	P	05/13/2025	18:39	LB135756
	Antimony	50.0	+/-50.0	U	50.0	P	05/13/2025	18:39	LB135756
	Arsenic	20.0	+/-20.0	U	20.0	P	05/13/2025	18:39	LB135756
	Barium	100	+/-100	U	100	P	05/13/2025	18:39	LB135756
	Beryllium	6.00	+/-6.00	U	6.00	P	05/13/2025	18:39	LB135756
	Cadmium	6.00	+/-6.00	U	6.00	P	05/13/2025	18:39	LB135756
	Calcium	2000	+/-2000	U	2000	P	05/13/2025	18:39	LB135756
	Chromium	10.0	+/-10.0	U	10.0	P	05/13/2025	18:39	LB135756
	Cobalt	30.0	+/-30.0	U	30.0	P	05/13/2025	18:39	LB135756
	Copper	20.0	+/-20.0	U	20.0	P	05/13/2025	18:39	LB135756
	Iron	100	+/-100	U	100	P	05/13/2025	18:39	LB135756
	Lead	12.0	+/-12.0	U	12.0	P	05/13/2025	18:39	LB135756
	Magnesium	2000	+/-2000	U	2000	P	05/13/2025	18:39	LB135756
	Manganese	20.0	+/-20.0	U	20.0	P	05/13/2025	18:39	LB135756
	Nickel	40.0	+/-40.0	U	40.0	P	05/13/2025	18:39	LB135756
	Potassium	2000	+/-2000	U	2000	P	05/13/2025	18:39	LB135756
	Selenium	20.0	+/-20.0	U	20.0	P	05/13/2025	18:39	LB135756
	Silver	10.0	+/-10.0	U	10.0	P	05/13/2025	18:39	LB135756
	Sodium	2000	+/-2000	U	2000	P	05/13/2025	18:39	LB135756
	Thallium	40.0	+/-40.0	U	40.0	P	05/13/2025	18:39	LB135756
	Vanadium	40.0	+/-40.0	U	40.0	P	05/13/2025	18:39	LB135756
	Zinc	40.0	+/-40.0	U	40.0	P	05/13/2025	18:39	LB135756
CCB06	Aluminum	100	+/-100	U	100	P	05/13/2025	19:25	LB135756
	Antimony	50.0	+/-50.0	U	50.0	P	05/13/2025	19:25	LB135756
	Arsenic	20.0	+/-20.0	U	20.0	P	05/13/2025	19:25	LB135756
	Barium	100	+/-100	U	100	P	05/13/2025	19:25	LB135756
	Beryllium	6.00	+/-6.00	U	6.00	P	05/13/2025	19:25	LB135756
	Cadmium	6.00	+/-6.00	U	6.00	P	05/13/2025	19:25	LB135756
	Calcium	2000	+/-2000	U	2000	P	05/13/2025	19:25	LB135756

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	10.0	+/-10.0	U	10.0	P	05/13/2025	19:25	LB135756
	Cobalt	30.0	+/-30.0	U	30.0	P	05/13/2025	19:25	LB135756
	Copper	20.0	+/-20.0	U	20.0	P	05/13/2025	19:25	LB135756
	Iron	100	+/-100	U	100	P	05/13/2025	19:25	LB135756
	Lead	12.0	+/-12.0	U	12.0	P	05/13/2025	19:25	LB135756
	Magnesium	2000	+/-2000	U	2000	P	05/13/2025	19:25	LB135756
	Manganese	20.0	+/-20.0	U	20.0	P	05/13/2025	19:25	LB135756
	Nickel	40.0	+/-40.0	U	40.0	P	05/13/2025	19:25	LB135756
	Potassium	2000	+/-2000	U	2000	P	05/13/2025	19:25	LB135756
	Selenium	20.0	+/-20.0	U	20.0	P	05/13/2025	19:25	LB135756
	Silver	10.0	+/-10.0	U	10.0	P	05/13/2025	19:25	LB135756
	Sodium	2000	+/-2000	U	2000	P	05/13/2025	19:25	LB135756
	Thallium	40.0	+/-40.0	U	40.0	P	05/13/2025	19:25	LB135756
	Vanadium	40.0	+/-40.0	U	40.0	P	05/13/2025	19:25	LB135756
	Zinc	40.0	+/-40.0	U	40.0	P	05/13/2025	19:25	LB135756
CCB07	Aluminum	100	+/-100	U	100	P	05/13/2025	20:10	LB135756
	Antimony	50.0	+/-50.0	U	50.0	P	05/13/2025	20:10	LB135756
	Arsenic	20.0	+/-20.0	U	20.0	P	05/13/2025	20:10	LB135756
	Barium	100	+/-100	U	100	P	05/13/2025	20:10	LB135756
	Beryllium	6.00	+/-6.00	U	6.00	P	05/13/2025	20:10	LB135756
	Cadmium	6.00	+/-6.00	U	6.00	P	05/13/2025	20:10	LB135756
	Calcium	2000	+/-2000	U	2000	P	05/13/2025	20:10	LB135756
	Chromium	10.0	+/-10.0	U	10.0	P	05/13/2025	20:10	LB135756
	Cobalt	30.0	+/-30.0	U	30.0	P	05/13/2025	20:10	LB135756
	Copper	20.0	+/-20.0	U	20.0	P	05/13/2025	20:10	LB135756
	Iron	100	+/-100	U	100	P	05/13/2025	20:10	LB135756
	Lead	12.0	+/-12.0	U	12.0	P	05/13/2025	20:10	LB135756
	Magnesium	2000	+/-2000	U	2000	P	05/13/2025	20:10	LB135756
	Manganese	20.0	+/-20.0	U	20.0	P	05/13/2025	20:10	LB135756
	Nickel	40.0	+/-40.0	U	40.0	P	05/13/2025	20:10	LB135756
	Potassium	2000	+/-2000	U	2000	P	05/13/2025	20:10	LB135756
	Selenium	20.0	+/-20.0	U	20.0	P	05/13/2025	20:10	LB135756
	Silver	10.0	+/-10.0	U	10.0	P	05/13/2025	20:10	LB135756
	Sodium	2000	+/-2000	U	2000	P	05/13/2025	20:10	LB135756
	Thallium	40.0	+/-40.0	U	40.0	P	05/13/2025	20:10	LB135756
	Vanadium	40.0	+/-40.0	U	40.0	P	05/13/2025	20:10	LB135756
	Zinc	40.0	+/-40.0	U	40.0	P	05/13/2025	20:10	LB135756
CCB08	Aluminum	100	+/-100	U	100	P	05/13/2025	20:56	LB135756
	Antimony	50.0	+/-50.0	U	50.0	P	05/13/2025	20:56	LB135756

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	20.0	+/-20.0	U	20.0	P	05/13/2025	20:56	LB135756
	Barium	100	+/-100	U	100	P	05/13/2025	20:56	LB135756
	Beryllium	6.00	+/-6.00	U	6.00	P	05/13/2025	20:56	LB135756
	Cadmium	6.00	+/-6.00	U	6.00	P	05/13/2025	20:56	LB135756
	Calcium	2000	+/-2000	U	2000	P	05/13/2025	20:56	LB135756
	Chromium	10.0	+/-10.0	U	10.0	P	05/13/2025	20:56	LB135756
	Cobalt	30.0	+/-30.0	U	30.0	P	05/13/2025	20:56	LB135756
	Copper	20.0	+/-20.0	U	20.0	P	05/13/2025	20:56	LB135756
	Iron	100	+/-100	U	100	P	05/13/2025	20:56	LB135756
	Lead	12.0	+/-12.0	U	12.0	P	05/13/2025	20:56	LB135756
	Magnesium	2000	+/-2000	U	2000	P	05/13/2025	20:56	LB135756
	Manganese	20.0	+/-20.0	U	20.0	P	05/13/2025	20:56	LB135756
	Nickel	40.0	+/-40.0	U	40.0	P	05/13/2025	20:56	LB135756
	Potassium	2000	+/-2000	U	2000	P	05/13/2025	20:56	LB135756
	Selenium	20.0	+/-20.0	U	20.0	P	05/13/2025	20:56	LB135756
	Silver	10.0	+/-10.0	U	10.0	P	05/13/2025	20:56	LB135756
	Sodium	2000	+/-2000	U	2000	P	05/13/2025	20:56	LB135756
	Thallium	40.0	+/-40.0	U	40.0	P	05/13/2025	20:56	LB135756
	Vanadium	40.0	+/-40.0	U	40.0	P	05/13/2025	20:56	LB135756
	Zinc	40.0	+/-40.0	U	40.0	P	05/13/2025	20:56	LB135756
CCB09	Aluminum	13.1	+/-100	J	100	P	05/13/2025	21:42	LB135756
	Antimony	50.0	+/-50.0	U	50.0	P	05/13/2025	21:42	LB135756
	Arsenic	20.0	+/-20.0	U	20.0	P	05/13/2025	21:42	LB135756
	Barium	100	+/-100	U	100	P	05/13/2025	21:42	LB135756
	Beryllium	6.00	+/-6.00	U	6.00	P	05/13/2025	21:42	LB135756
	Cadmium	6.00	+/-6.00	U	6.00	P	05/13/2025	21:42	LB135756
	Calcium	2000	+/-2000	U	2000	P	05/13/2025	21:42	LB135756
	Chromium	10.0	+/-10.0	U	10.0	P	05/13/2025	21:42	LB135756
	Cobalt	30.0	+/-30.0	U	30.0	P	05/13/2025	21:42	LB135756
	Copper	20.0	+/-20.0	U	20.0	P	05/13/2025	21:42	LB135756
	Iron	100	+/-100	U	100	P	05/13/2025	21:42	LB135756
	Lead	12.0	+/-12.0	U	12.0	P	05/13/2025	21:42	LB135756
	Magnesium	2000	+/-2000	U	2000	P	05/13/2025	21:42	LB135756
	Manganese	20.0	+/-20.0	U	20.0	P	05/13/2025	21:42	LB135756
	Nickel	40.0	+/-40.0	U	40.0	P	05/13/2025	21:42	LB135756
	Potassium	2000	+/-2000	U	2000	P	05/13/2025	21:42	LB135756
	Selenium	20.0	+/-20.0	U	20.0	P	05/13/2025	21:42	LB135756
	Silver	10.0	+/-10.0	U	10.0	P	05/13/2025	21:42	LB135756
	Sodium	2000	+/-2000	U	2000	P	05/13/2025	21:42	LB135756

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Thallium	40.0	+/-40.0	U	40.0	P	05/13/2025	21:42	LB135756
	Vanadium	40.0	+/-40.0	U	40.0	P	05/13/2025	21:42	LB135756
	Zinc	40.0	+/-40.0	U	40.0	P	05/13/2025	21:42	LB135756
CCB10	Aluminum	100	+/-100	U	100	P	05/13/2025	22:29	LB135756
	Antimony	50.0	+/-50.0	U	50.0	P	05/13/2025	22:29	LB135756
	Arsenic	20.0	+/-20.0	U	20.0	P	05/13/2025	22:29	LB135756
	Barium	100	+/-100	U	100	P	05/13/2025	22:29	LB135756
	Beryllium	6.00	+/-6.00	U	6.00	P	05/13/2025	22:29	LB135756
	Cadmium	6.00	+/-6.00	U	6.00	P	05/13/2025	22:29	LB135756
	Calcium	2000	+/-2000	U	2000	P	05/13/2025	22:29	LB135756
	Chromium	10.0	+/-10.0	U	10.0	P	05/13/2025	22:29	LB135756
	Cobalt	30.0	+/-30.0	U	30.0	P	05/13/2025	22:29	LB135756
	Copper	20.0	+/-20.0	U	20.0	P	05/13/2025	22:29	LB135756
	Iron	100	+/-100	U	100	P	05/13/2025	22:29	LB135756
	Lead	12.0	+/-12.0	U	12.0	P	05/13/2025	22:29	LB135756
	Magnesium	2000	+/-2000	U	2000	P	05/13/2025	22:29	LB135756
	Manganese	20.0	+/-20.0	U	20.0	P	05/13/2025	22:29	LB135756
	Nickel	40.0	+/-40.0	U	40.0	P	05/13/2025	22:29	LB135756
	Potassium	2000	+/-2000	U	2000	P	05/13/2025	22:29	LB135756
	Selenium	20.0	+/-20.0	U	20.0	P	05/13/2025	22:29	LB135756
	Silver	10.0	+/-10.0	U	10.0	P	05/13/2025	22:29	LB135756
	Sodium	2000	+/-2000	U	2000	P	05/13/2025	22:29	LB135756
	Thallium	40.0	+/-40.0	U	40.0	P	05/13/2025	22:29	LB135756
	Vanadium	40.0	+/-40.0	U	40.0	P	05/13/2025	22:29	LB135756
	Zinc	40.0	+/-40.0	U	40.0	P	05/13/2025	22:29	LB135756

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Metals
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PREPARATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1982

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB167937BL		**SOLID**		**Batch Number:**	**PB167937**		**Prep Date:**	**05/09/2025**	
	Mercury	0.013	<0.013	U	0.013	CV	05/12/2025	10:18	LB135733

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1982

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB167930BL		**SOLID**		**Batch Number:**	**PB167930**		**Prep Date:**	**05/09/2025**	
	Aluminum	4.85	<4.85	U	4.85	P	05/13/2025	14:35	LB135756
	Antimony	2.43	<2.43	U	2.43	P	05/13/2025	14:35	LB135756
	Arsenic	0.97	<0.97	U	0.97	P	05/13/2025	14:35	LB135756
	Barium	4.85	<4.85	U	4.85	P	05/13/2025	14:35	LB135756
	Beryllium	0.29	<0.29	U	0.29	P	05/13/2025	14:35	LB135756
	Cadmium	0.29	<0.29	U	0.29	P	05/13/2025	14:35	LB135756
	Calcium	97.1	<97.1	U	97.1	P	05/13/2025	14:35	LB135756
	Chromium	0.49	<0.49	U	0.49	P	05/13/2025	14:35	LB135756
	Cobalt	1.46	<1.46	U	1.46	P	05/13/2025	14:35	LB135756
	Copper	0.97	<0.97	U	0.97	P	05/13/2025	14:35	LB135756
	Iron	4.85	<4.85	U	4.85	P	05/13/2025	14:35	LB135756
	Lead	0.58	<0.58	U	0.58	P	05/13/2025	14:35	LB135756
	Magnesium	97.1	<97.1	U	97.1	P	05/13/2025	14:35	LB135756
	Manganese	0.97	<0.97	U	0.97	P	05/13/2025	14:35	LB135756
	Nickel	1.94	<1.94	U	1.94	P	05/13/2025	14:35	LB135756
	Potassium	97.1	<97.1	U	97.1	P	05/13/2025	14:35	LB135756
	Selenium	0.97	<0.97	U	0.97	P	05/13/2025	14:35	LB135756
	Silver	0.49	<0.49	U	0.49	P	05/13/2025	14:35	LB135756
	Sodium	97.1	<97.1	U	97.1	P	05/13/2025	14:35	LB135756
	Thallium	1.94	<1.94	U	1.94	P	05/13/2025	14:35	LB135756
	Vanadium	1.94	<1.94	U	1.94	P	05/13/2025	14:35	LB135756
	Zinc	1.94	<1.94	U	1.94	P	05/13/2025	14:35	LB135756

METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

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
ICV05	Mercury	3.88	4.0	97	90 - 110	CV	05/12/2025	09:56	LB135733

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

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
CCV07	Mercury	4.84	5.0	97	90 - 110	CV	05/12/2025	10:06	LB135733
CCV08	Mercury	4.89	5.0	98	90 - 110	CV	05/12/2025	10:36	LB135733
CCV09	Mercury	4.96	5.0	99	90 - 110	CV	05/12/2025	11:09	LB135733
CCV10	Mercury	4.96	5.0	99	90 - 110	CV	05/12/2025	11:36	LB135733
CCV11	Mercury	4.72	5.0	94	90 - 110	CV	05/12/2025	12:42	LB135733
CCV12	Mercury	4.97	5.0	99	90 - 110	CV	05/12/2025	13:17	LB135733

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

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	2380	2500	95	90 - 110	P	05/13/2025	12:33	LB135756
	Antimony	1010	1000	101	90 - 110	P	05/13/2025	12:33	LB135756
	Arsenic	972	1000	97	90 - 110	P	05/13/2025	12:33	LB135756
	Barium	534	520	103	90 - 110	P	05/13/2025	12:33	LB135756
	Beryllium	486	510	95	90 - 110	P	05/13/2025	12:33	LB135756
	Cadmium	494	510	97	90 - 110	P	05/13/2025	12:33	LB135756
	Calcium	9360	10000	94	90 - 110	P	05/13/2025	12:33	LB135756
	Chromium	499	520	96	90 - 110	P	05/13/2025	12:33	LB135756
	Cobalt	484	520	93	90 - 110	P	05/13/2025	12:33	LB135756
	Copper	498	510	98	90 - 110	P	05/13/2025	12:33	LB135756
	Iron	9260	10000	93	90 - 110	P	05/13/2025	12:33	LB135756
	Lead	967	1000	97	90 - 110	P	05/13/2025	12:33	LB135756
	Magnesium	5540	6000	92	90 - 110	P	05/13/2025	12:33	LB135756
	Manganese	482	520	93	90 - 110	P	05/13/2025	12:33	LB135756
	Nickel	486	530	92	90 - 110	P	05/13/2025	12:33	LB135756
	Potassium	10300	9900	104	90 - 110	P	05/13/2025	12:33	LB135756
	Selenium	1010	1000	100	90 - 110	P	05/13/2025	12:33	LB135756
	Silver	239	250	96	90 - 110	P	05/13/2025	12:33	LB135756
	Sodium	9900	10000	99	90 - 110	P	05/13/2025	12:33	LB135756
	Thallium	999	1000	100	90 - 110	P	05/13/2025	12:33	LB135756
	Vanadium	474	500	95	90 - 110	P	05/13/2025	12:33	LB135756
	Zinc	983	1000	98	90 - 110	P	05/13/2025	12:33	LB135756

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

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	05/13/2025	12:50	LB135756
	Antimony	52.4	50.0	105	80 - 120	P	05/13/2025	12:50	LB135756
	Arsenic	20.9	20.0	105	80 - 120	P	05/13/2025	12:50	LB135756
	Barium	92.2	100	92	80 - 120	P	05/13/2025	12:50	LB135756
	Beryllium	6.11	6.0	102	80 - 120	P	05/13/2025	12:50	LB135756
	Cadmium	6.14	6.0	102	80 - 120	P	05/13/2025	12:50	LB135756
	Calcium	1970	2000	98	80 - 120	P	05/13/2025	12:50	LB135756
	Chromium	9.36	10.0	94	80 - 120	P	05/13/2025	12:50	LB135756
	Cobalt	29.8	30.0	99	80 - 120	P	05/13/2025	12:50	LB135756
	Copper	22.2	20.0	111	80 - 120	P	05/13/2025	12:50	LB135756
	Iron	97.3	100	97	80 - 120	P	05/13/2025	12:50	LB135756
	Lead	11.4	12.0	95	80 - 120	P	05/13/2025	12:50	LB135756
	Magnesium	2100	2000	105	80 - 120	P	05/13/2025	12:50	LB135756
	Manganese	20.6	20.0	103	80 - 120	P	05/13/2025	12:50	LB135756
	Nickel	39.5	40.0	99	80 - 120	P	05/13/2025	12:50	LB135756
	Potassium	1800	2000	90	80 - 120	P	05/13/2025	12:50	LB135756
	Selenium	23.2	20.0	116	80 - 120	P	05/13/2025	12:50	LB135756
	Silver	9.98	10.0	100	80 - 120	P	05/13/2025	12:50	LB135756
	Sodium	1690	2000	85	80 - 120	P	05/13/2025	12:50	LB135756
	Thallium	39.4	40.0	98	80 - 120	P	05/13/2025	12:50	LB135756
	Vanadium	38.9	40.0	97	80 - 120	P	05/13/2025	12:50	LB135756
	Zinc	41.9	40.0	105	80 - 120	P	05/13/2025	12:50	LB135756

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

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	9820	10000	98	90 - 110	P	05/13/2025	13:21	LB135756
	Antimony	4880	5000	98	90 - 110	P	05/13/2025	13:21	LB135756
	Arsenic	4870	5000	97	90 - 110	P	05/13/2025	13:21	LB135756
	Barium	9590	10000	96	90 - 110	P	05/13/2025	13:21	LB135756
	Beryllium	253	250	101	90 - 110	P	05/13/2025	13:21	LB135756
	Cadmium	2440	2500	98	90 - 110	P	05/13/2025	13:21	LB135756
	Calcium	24400	25000	98	90 - 110	P	05/13/2025	13:21	LB135756
	Chromium	993	1000	99	90 - 110	P	05/13/2025	13:21	LB135756
	Cobalt	2430	2500	97	90 - 110	P	05/13/2025	13:21	LB135756
	Copper	1230	1250	99	90 - 110	P	05/13/2025	13:21	LB135756
	Iron	4830	5000	96	90 - 110	P	05/13/2025	13:21	LB135756
	Lead	4870	5000	97	90 - 110	P	05/13/2025	13:21	LB135756
	Magnesium	24400	25000	98	90 - 110	P	05/13/2025	13:21	LB135756
	Manganese	2430	2500	97	90 - 110	P	05/13/2025	13:21	LB135756
	Nickel	2440	2500	98	90 - 110	P	05/13/2025	13:21	LB135756
	Potassium	24000	25000	96	90 - 110	P	05/13/2025	13:21	LB135756
	Selenium	4880	5000	98	90 - 110	P	05/13/2025	13:21	LB135756
	Silver	1230	1250	99	90 - 110	P	05/13/2025	13:21	LB135756
	Sodium	24200	25000	97	90 - 110	P	05/13/2025	13:21	LB135756
	Thallium	4800	5000	96	90 - 110	P	05/13/2025	13:21	LB135756
	Vanadium	2420	2500	97	90 - 110	P	05/13/2025	13:21	LB135756
	Zinc	2480	2500	99	90 - 110	P	05/13/2025	13:21	LB135756
CCV02	Aluminum	9680	10000	97	90 - 110	P	05/13/2025	14:52	LB135756
	Antimony	4810	5000	96	90 - 110	P	05/13/2025	14:52	LB135756
	Arsenic	4790	5000	96	90 - 110	P	05/13/2025	14:52	LB135756
	Barium	9620	10000	96	90 - 110	P	05/13/2025	14:52	LB135756
	Beryllium	241	250	96	90 - 110	P	05/13/2025	14:52	LB135756
	Cadmium	2400	2500	96	90 - 110	P	05/13/2025	14:52	LB135756
	Calcium	24100	25000	96	90 - 110	P	05/13/2025	14:52	LB135756
	Chromium	969	1000	97	90 - 110	P	05/13/2025	14:52	LB135756
	Cobalt	2400	2500	96	90 - 110	P	05/13/2025	14:52	LB135756
	Copper	1210	1250	97	90 - 110	P	05/13/2025	14:52	LB135756
	Iron	4690	5000	94	90 - 110	P	05/13/2025	14:52	LB135756
	Lead	4800	5000	96	90 - 110	P	05/13/2025	14:52	LB135756

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

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	24000	25000	96	90 - 110	P	05/13/2025	14:52	LB135756
	Manganese	2410	2500	96	90 - 110	P	05/13/2025	14:52	LB135756
	Nickel	2400	2500	96	90 - 110	P	05/13/2025	14:52	LB135756
	Potassium	23500	25000	94	90 - 110	P	05/13/2025	14:52	LB135756
	Selenium	4800	5000	96	90 - 110	P	05/13/2025	14:52	LB135756
	Silver	1180	1250	95	90 - 110	P	05/13/2025	14:52	LB135756
	Sodium	23400	25000	94	90 - 110	P	05/13/2025	14:52	LB135756
	Thallium	5090	5000	102	90 - 110	P	05/13/2025	14:52	LB135756
	Vanadium	2410	2500	96	90 - 110	P	05/13/2025	14:52	LB135756
	Zinc	2390	2500	96	90 - 110	P	05/13/2025	14:52	LB135756
CCV03	Aluminum	9770	10000	98	90 - 110	P	05/13/2025	16:12	LB135756
	Antimony	5040	5000	101	90 - 110	P	05/13/2025	16:12	LB135756
	Arsenic	4950	5000	99	90 - 110	P	05/13/2025	16:12	LB135756
	Barium	9460	10000	95	90 - 110	P	05/13/2025	16:12	LB135756
	Beryllium	244	250	98	90 - 110	P	05/13/2025	16:12	LB135756
	Cadmium	2340	2500	94	90 - 110	P	05/13/2025	16:12	LB135756
	Calcium	23000	25000	92	90 - 110	P	05/13/2025	16:12	LB135756
	Chromium	956	1000	96	90 - 110	P	05/13/2025	16:12	LB135756
	Cobalt	2360	2500	95	90 - 110	P	05/13/2025	16:12	LB135756
	Copper	1240	1250	99	90 - 110	P	05/13/2025	16:12	LB135756
	Iron	4700	5000	94	90 - 110	P	05/13/2025	16:12	LB135756
	Lead	4730	5000	95	90 - 110	P	05/13/2025	16:12	LB135756
	Magnesium	22900	25000	92	90 - 110	P	05/13/2025	16:12	LB135756
	Manganese	2340	2500	94	90 - 110	P	05/13/2025	16:12	LB135756
	Nickel	2360	2500	95	90 - 110	P	05/13/2025	16:12	LB135756
	Potassium	24300	25000	97	90 - 110	P	05/13/2025	16:12	LB135756
	Selenium	5060	5000	101	90 - 110	P	05/13/2025	16:12	LB135756
	Silver	1230	1250	99	90 - 110	P	05/13/2025	16:12	LB135756
	Sodium	24400	25000	98	90 - 110	P	05/13/2025	16:12	LB135756
	Thallium	4950	5000	99	90 - 110	P	05/13/2025	16:12	LB135756
	Vanadium	2360	2500	94	90 - 110	P	05/13/2025	16:12	LB135756
	Zinc	2480	2500	99	90 - 110	P	05/13/2025	16:12	LB135756
CCV04	Aluminum	9670	10000	97	90 - 110	P	05/13/2025	17:40	LB135756
	Antimony	5020	5000	100	90 - 110	P	05/13/2025	17:40	LB135756

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

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	4930	5000	99	90 - 110	P	05/13/2025	17:40	LB135756
	Barium	9540	10000	95	90 - 110	P	05/13/2025	17:40	LB135756
	Beryllium	239	250	96	90 - 110	P	05/13/2025	17:40	LB135756
	Cadmium	2330	2500	93	90 - 110	P	05/13/2025	17:40	LB135756
	Calcium	23000	25000	92	90 - 110	P	05/13/2025	17:40	LB135756
	Chromium	961	1000	96	90 - 110	P	05/13/2025	17:40	LB135756
	Cobalt	2360	2500	94	90 - 110	P	05/13/2025	17:40	LB135756
	Copper	1230	1250	99	90 - 110	P	05/13/2025	17:40	LB135756
	Iron	4850	5000	97	90 - 110	P	05/13/2025	17:40	LB135756
	Lead	4720	5000	94	90 - 110	P	05/13/2025	17:40	LB135756
	Magnesium	22800	25000	91	90 - 110	P	05/13/2025	17:40	LB135756
	Manganese	2340	2500	94	90 - 110	P	05/13/2025	17:40	LB135756
	Nickel	2360	2500	94	90 - 110	P	05/13/2025	17:40	LB135756
	Potassium	24800	25000	99	90 - 110	P	05/13/2025	17:40	LB135756
	Selenium	5020	5000	100	90 - 110	P	05/13/2025	17:40	LB135756
	Silver	1240	1250	99	90 - 110	P	05/13/2025	17:40	LB135756
	Sodium	24900	25000	100	90 - 110	P	05/13/2025	17:40	LB135756
	Thallium	5000	5000	100	90 - 110	P	05/13/2025	17:40	LB135756
	Vanadium	2370	2500	95	90 - 110	P	05/13/2025	17:40	LB135756
	Zinc	2490	2500	100	90 - 110	P	05/13/2025	17:40	LB135756
CCV05	Aluminum	9750	10000	98	90 - 110	P	05/13/2025	18:35	LB135756
	Antimony	5070	5000	101	90 - 110	P	05/13/2025	18:35	LB135756
	Arsenic	4980	5000	100	90 - 110	P	05/13/2025	18:35	LB135756
	Barium	9460	10000	95	90 - 110	P	05/13/2025	18:35	LB135756
	Beryllium	245	250	98	90 - 110	P	05/13/2025	18:35	LB135756
	Cadmium	2340	2500	94	90 - 110	P	05/13/2025	18:35	LB135756
	Calcium	22900	25000	92	90 - 110	P	05/13/2025	18:35	LB135756
	Chromium	959	1000	96	90 - 110	P	05/13/2025	18:35	LB135756
	Cobalt	2370	2500	95	90 - 110	P	05/13/2025	18:35	LB135756
	Copper	1240	1250	100	90 - 110	P	05/13/2025	18:35	LB135756
	Iron	4690	5000	94	90 - 110	P	05/13/2025	18:35	LB135756
	Lead	4750	5000	95	90 - 110	P	05/13/2025	18:35	LB135756
	Magnesium	22900	25000	92	90 - 110	P	05/13/2025	18:35	LB135756
	Manganese	2320	2500	93	90 - 110	P	05/13/2025	18:35	LB135756

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

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	2370	2500	95	90 - 110	P	05/13/2025	18:35	LB135756
	Potassium	24000	25000	96	90 - 110	P	05/13/2025	18:35	LB135756
	Selenium	5090	5000	102	90 - 110	P	05/13/2025	18:35	LB135756
	Silver	1240	1250	99	90 - 110	P	05/13/2025	18:35	LB135756
	Sodium	24000	25000	96	90 - 110	P	05/13/2025	18:35	LB135756
	Thallium	5000	5000	100	90 - 110	P	05/13/2025	18:35	LB135756
	Vanadium	2360	2500	94	90 - 110	P	05/13/2025	18:35	LB135756
	Zinc	2480	2500	99	90 - 110	P	05/13/2025	18:35	LB135756
CCV06	Aluminum	9520	10000	95	90 - 110	P	05/13/2025	19:20	LB135756
	Antimony	4930	5000	99	90 - 110	P	05/13/2025	19:20	LB135756
	Arsenic	4850	5000	97	90 - 110	P	05/13/2025	19:20	LB135756
	Barium	9640	10000	96	90 - 110	P	05/13/2025	19:20	LB135756
	Beryllium	231	250	92	90 - 110	P	05/13/2025	19:20	LB135756
	Cadmium	2320	2500	93	90 - 110	P	05/13/2025	19:20	LB135756
	Calcium	23000	25000	92	90 - 110	P	05/13/2025	19:20	LB135756
	Chromium	955	1000	96	90 - 110	P	05/13/2025	19:20	LB135756
	Cobalt	2340	2500	94	90 - 110	P	05/13/2025	19:20	LB135756
	Copper	1220	1250	97	90 - 110	P	05/13/2025	19:20	LB135756
	Iron	4920	5000	98	90 - 110	P	05/13/2025	19:20	LB135756
	Lead	4690	5000	94	90 - 110	P	05/13/2025	19:20	LB135756
	Magnesium	22800	25000	91	90 - 110	P	05/13/2025	19:20	LB135756
	Manganese	2320	2500	93	90 - 110	P	05/13/2025	19:20	LB135756
	Nickel	2340	2500	93	90 - 110	P	05/13/2025	19:20	LB135756
	Potassium	24800	25000	99	90 - 110	P	05/13/2025	19:20	LB135756
	Selenium	4920	5000	98	90 - 110	P	05/13/2025	19:20	LB135756
	Silver	1220	1250	98	90 - 110	P	05/13/2025	19:20	LB135756
	Sodium	24500	25000	98	90 - 110	P	05/13/2025	19:20	LB135756
	Thallium	5010	5000	100	90 - 110	P	05/13/2025	19:20	LB135756
	Vanadium	2360	2500	95	90 - 110	P	05/13/2025	19:20	LB135756
	Zinc	2440	2500	97	90 - 110	P	05/13/2025	19:20	LB135756
CCV07	Aluminum	9610	10000	96	90 - 110	P	05/13/2025	20:06	LB135756
	Antimony	4910	5000	98	90 - 110	P	05/13/2025	20:06	LB135756
	Arsenic	4850	5000	97	90 - 110	P	05/13/2025	20:06	LB135756
	Barium	9250	10000	92	90 - 110	P	05/13/2025	20:06	LB135756

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

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	247	250	99	90 - 110	P	05/13/2025	20:06	LB135756
	Cadmium	2320	2500	93	90 - 110	P	05/13/2025	20:06	LB135756
	Calcium	22900	25000	91	90 - 110	P	05/13/2025	20:06	LB135756
	Chromium	952	1000	95	90 - 110	P	05/13/2025	20:06	LB135756
	Cobalt	2340	2500	94	90 - 110	P	05/13/2025	20:06	LB135756
	Copper	1220	1250	97	90 - 110	P	05/13/2025	20:06	LB135756
	Iron	4590	5000	92	90 - 110	P	05/13/2025	20:06	LB135756
	Lead	4680	5000	94	90 - 110	P	05/13/2025	20:06	LB135756
	Magnesium	22900	25000	92	90 - 110	P	05/13/2025	20:06	LB135756
	Manganese	2310	2500	92	90 - 110	P	05/13/2025	20:06	LB135756
	Nickel	2340	2500	94	90 - 110	P	05/13/2025	20:06	LB135756
	Potassium	23300	25000	93	90 - 110	P	05/13/2025	20:06	LB135756
	Selenium	4920	5000	98	90 - 110	P	05/13/2025	20:06	LB135756
	Silver	1220	1250	98	90 - 110	P	05/13/2025	20:06	LB135756
	Sodium	23100	25000	92	90 - 110	P	05/13/2025	20:06	LB135756
	Thallium	5000	5000	100	90 - 110	P	05/13/2025	20:06	LB135756
	Vanadium	2340	2500	94	90 - 110	P	05/13/2025	20:06	LB135756
	Zinc	2440	2500	98	90 - 110	P	05/13/2025	20:06	LB135756
CCV08	Aluminum	9520	10000	95	90 - 110	P	05/13/2025	20:52	LB135756
	Antimony	4940	5000	99	90 - 110	P	05/13/2025	20:52	LB135756
	Arsenic	4910	5000	98	90 - 110	P	05/13/2025	20:52	LB135756
	Barium	9500	10000	95	90 - 110	P	05/13/2025	20:52	LB135756
	Beryllium	233	250	93	90 - 110	P	05/13/2025	20:52	LB135756
	Cadmium	2350	2500	94	90 - 110	P	05/13/2025	20:52	LB135756
	Calcium	22900	25000	92	90 - 110	P	05/13/2025	20:52	LB135756
	Chromium	954	1000	95	90 - 110	P	05/13/2025	20:52	LB135756
	Cobalt	2360	2500	94	90 - 110	P	05/13/2025	20:52	LB135756
	Copper	1220	1250	98	90 - 110	P	05/13/2025	20:52	LB135756
	Iron	4890	5000	98	90 - 110	P	05/13/2025	20:52	LB135756
	Lead	4720	5000	94	90 - 110	P	05/13/2025	20:52	LB135756
	Magnesium	22700	25000	91	90 - 110	P	05/13/2025	20:52	LB135756
	Manganese	2320	2500	93	90 - 110	P	05/13/2025	20:52	LB135756
	Nickel	2360	2500	94	90 - 110	P	05/13/2025	20:52	LB135756
	Potassium	24700	25000	99	90 - 110	P	05/13/2025	20:52	LB135756

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

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	4990	5000	100	90 - 110	P	05/13/2025	20:52	LB135756
	Silver	1220	1250	97	90 - 110	P	05/13/2025	20:52	LB135756
	Sodium	24400	25000	98	90 - 110	P	05/13/2025	20:52	LB135756
	Thallium	4990	5000	100	90 - 110	P	05/13/2025	20:52	LB135756
	Vanadium	2350	2500	94	90 - 110	P	05/13/2025	20:52	LB135756
	Zinc	2440	2500	97	90 - 110	P	05/13/2025	20:52	LB135756
CCV09	Aluminum	9440	10000	94	90 - 110	P	05/13/2025	21:38	LB135756
	Antimony	4940	5000	99	90 - 110	P	05/13/2025	21:38	LB135756
	Arsenic	4940	5000	99	90 - 110	P	05/13/2025	21:38	LB135756
	Barium	9270	10000	93	90 - 110	P	05/13/2025	21:38	LB135756
	Beryllium	236	250	94	90 - 110	P	05/13/2025	21:38	LB135756
	Cadmium	2370	2500	95	90 - 110	P	05/13/2025	21:38	LB135756
	Calcium	22800	25000	91	90 - 110	P	05/13/2025	21:38	LB135756
	Chromium	958	1000	96	90 - 110	P	05/13/2025	21:38	LB135756
	Cobalt	2370	2500	95	90 - 110	P	05/13/2025	21:38	LB135756
	Copper	1220	1250	98	90 - 110	P	05/13/2025	21:38	LB135756
	Iron	4760	5000	95	90 - 110	P	05/13/2025	21:38	LB135756
	Lead	4760	5000	95	90 - 110	P	05/13/2025	21:38	LB135756
	Magnesium	22900	25000	92	90 - 110	P	05/13/2025	21:38	LB135756
	Manganese	2290	2500	92	90 - 110	P	05/13/2025	21:38	LB135756
	Nickel	2380	2500	95	90 - 110	P	05/13/2025	21:38	LB135756
	Potassium	23800	25000	95	90 - 110	P	05/13/2025	21:38	LB135756
	Selenium	5000	5000	100	90 - 110	P	05/13/2025	21:38	LB135756
	Silver	1210	1250	96	90 - 110	P	05/13/2025	21:38	LB135756
	Sodium	23600	25000	94	90 - 110	P	05/13/2025	21:38	LB135756
	Thallium	4930	5000	99	90 - 110	P	05/13/2025	21:38	LB135756
	Vanadium	2330	2500	93	90 - 110	P	05/13/2025	21:38	LB135756
	Zinc	2410	2500	96	90 - 110	P	05/13/2025	21:38	LB135756
CCV10	Aluminum	9430	10000	94	90 - 110	P	05/13/2025	22:25	LB135756
	Antimony	4860	5000	97	90 - 110	P	05/13/2025	22:25	LB135756
	Arsenic	4820	5000	96	90 - 110	P	05/13/2025	22:25	LB135756
	Barium	9220	10000	92	90 - 110	P	05/13/2025	22:25	LB135756
	Beryllium	237	250	95	90 - 110	P	05/13/2025	22:25	LB135756
	Cadmium	2320	2500	93	90 - 110	P	05/13/2025	22:25	LB135756

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

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	22500	25000	90	90 - 110	P	05/13/2025	22:25	LB135756
	Chromium	944	1000	94	90 - 110	P	05/13/2025	22:25	LB135756
	Cobalt	2340	2500	93	90 - 110	P	05/13/2025	22:25	LB135756
	Copper	1200	1250	96	90 - 110	P	05/13/2025	22:25	LB135756
	Iron	4650	5000	93	90 - 110	P	05/13/2025	22:25	LB135756
	Lead	4670	5000	94	90 - 110	P	05/13/2025	22:25	LB135756
	Magnesium	22600	25000	90	90 - 110	P	05/13/2025	22:25	LB135756
	Manganese	2270	2500	91	90 - 110	P	05/13/2025	22:25	LB135756
	Nickel	2330	2500	93	90 - 110	P	05/13/2025	22:25	LB135756
	Potassium	23400	25000	94	90 - 110	P	05/13/2025	22:25	LB135756
	Selenium	4870	5000	97	90 - 110	P	05/13/2025	22:25	LB135756
	Silver	1200	1250	96	90 - 110	P	05/13/2025	22:25	LB135756
	Sodium	23500	25000	94	90 - 110	P	05/13/2025	22:25	LB135756
	Thallium	4900	5000	98	90 - 110	P	05/13/2025	22:25	LB135756
	Vanadium	2320	2500	93	90 - 110	P	05/13/2025	22:25	LB135756
	Zinc	2390	2500	96	90 - 110	P	05/13/2025	22:25	LB135756

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Metals

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CRDL STANDARD FOR AA & ICP

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

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	0.20	0.2	100	40 - 160	CV	05/12/2025	10:11	LB135733
CRI01	Aluminum	112	100	112	65 - 135	P	05/13/2025	13:00	LB135756
	Antimony	53.0	50.0	106	65 - 135	P	05/13/2025	13:00	LB135756
	Arsenic	22.6	20.0	113	65 - 135	P	05/13/2025	13:00	LB135756
	Barium	91.9	100	92	65 - 135	P	05/13/2025	13:00	LB135756
	Beryllium	6.28	6.0	105	65 - 135	P	05/13/2025	13:00	LB135756
	Cadmium	6.41	6.0	107	65 - 135	P	05/13/2025	13:00	LB135756
	Calcium	1990	2000	100	65 - 135	P	05/13/2025	13:00	LB135756
	Chromium	9.49	10.0	95	65 - 135	P	05/13/2025	13:00	LB135756
	Cobalt	29.7	30.0	99	65 - 135	P	05/13/2025	13:00	LB135756
	Copper	22.3	20.0	112	65 - 135	P	05/13/2025	13:00	LB135756
	Iron	96.7	100	97	65 - 135	P	05/13/2025	13:00	LB135756
	Lead	11.7	12.0	97	65 - 135	P	05/13/2025	13:00	LB135756
	Magnesium	2110	2000	106	65 - 135	P	05/13/2025	13:00	LB135756
	Manganese	20.2	20.0	101	65 - 135	P	05/13/2025	13:00	LB135756
	Nickel	40.2	40.0	100	65 - 135	P	05/13/2025	13:00	LB135756
	Potassium	1830	2000	91	65 - 135	P	05/13/2025	13:00	LB135756
	Selenium	24.0	20.0	120	65 - 135	P	05/13/2025	13:00	LB135756
	Silver	10.1	10.0	101	65 - 135	P	05/13/2025	13:00	LB135756
	Sodium	1700	2000	85	65 - 135	P	05/13/2025	13:00	LB135756
	Thallium	38.6	40.0	96	65 - 135	P	05/13/2025	13:00	LB135756
	Vanadium	38.1	40.0	95	65 - 135	P	05/13/2025	13:00	LB135756
	Zinc	42.6	40.0	107	65 - 135	P	05/13/2025	13:00	LB135756

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Metals
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INTERFERENCE CHECK SAMPLE

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

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	239000	255000	94	216000	294000	05/13/2025	13:04	LB135756
	Antimony	-2.63			-50	50	05/13/2025	13:04	LB135756
	Arsenic	2.65			-20	20	05/13/2025	13:04	LB135756
	Barium	4.53	6.0	76	-94	106	05/13/2025	13:04	LB135756
	Beryllium	1.18			-6	6	05/13/2025	13:04	LB135756
	Cadmium	-2.58	1.0	258	-5	7	05/13/2025	13:04	LB135756
	Calcium	224000	245000	91	208000	282000	05/13/2025	13:04	LB135756
	Chromium	53.8	52.0	104	42	62	05/13/2025	13:04	LB135756
	Cobalt	1.07			-30	30	05/13/2025	13:04	LB135756
	Copper	-0.62	2.0	31	-18	22	05/13/2025	13:04	LB135756
	Iron	89000	101000	88	85600	116500	05/13/2025	13:04	LB135756
	Lead	-1.23			-12	12	05/13/2025	13:04	LB135756
	Magnesium	242000	255000	95	216000	294000	05/13/2025	13:04	LB135756
	Manganese	3.97	7.0	57	-13	27	05/13/2025	13:04	LB135756
	Nickel	2.16	2.0	108	-38	42	05/13/2025	13:04	LB135756
	Potassium	-28.4			0	0	05/13/2025	13:04	LB135756
	Selenium	-7.51			-20	20	05/13/2025	13:04	LB135756
	Silver	0.22			-10	10	05/13/2025	13:04	LB135756
	Sodium	-36.6			0	0	05/13/2025	13:04	LB135756
	Thallium	8.65			-40	40	05/13/2025	13:04	LB135756
	Vanadium	-0.39			-40	40	05/13/2025	13:04	LB135756
	Zinc	3.75			-40	40	05/13/2025	13:04	LB135756
ICSAB01	Aluminum	237000	247000	96	209000	285000	05/13/2025	13:08	LB135756
	Antimony	599	618	97	525	711	05/13/2025	13:08	LB135756
	Arsenic	106	104	102	88.4	120	05/13/2025	13:08	LB135756
	Barium	447	537	83	437	637	05/13/2025	13:08	LB135756
	Beryllium	486	495	98	420	570	05/13/2025	13:08	LB135756
	Cadmium	952	972	98	826	1120	05/13/2025	13:08	LB135756
	Calcium	222000	235000	94	199000	271000	05/13/2025	13:08	LB135756
	Chromium	527	542	97	460	624	05/13/2025	13:08	LB135756
	Cobalt	469	476	98	404	548	05/13/2025	13:08	LB135756
	Copper	467	511	91	434	588	05/13/2025	13:08	LB135756
	Iron	90600	99300	91	84400	114500	05/13/2025	13:08	LB135756
	Lead	43.6	49.0	89	37	61	05/13/2025	13:08	LB135756
	Magnesium	239000	248000	96	210000	286000	05/13/2025	13:08	LB135756
	Manganese	455	507	90	430	584	05/13/2025	13:08	LB135756
	Nickel	932	954	98	810	1100	05/13/2025	13:08	LB135756
	Potassium	-41.5			0	0	05/13/2025	13:08	LB135756
	Selenium	37.1	46.0	81	26	66	05/13/2025	13:08	LB135756
	Silver	203	201	101	170	232	05/13/2025	13:08	LB135756
	Sodium	-168			0	0	05/13/2025	13:08	LB135756
	Thallium	92.7	108	86	68	148	05/13/2025	13:08	LB135756

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Metals
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INTERFERENCE CHECK SAMPLE

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

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	444	491	90	417	565	05/13/2025	13:08	LB135756
	Zinc	978	952	103	809	1095	05/13/2025	13:08	LB135756

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q1982

contract: CAMP02 **lab code:** CHEM **case no.:** Q1982 **sas no.:** Q1982

matrix: Solid **sample id:** Q1982-03 **client id:** TP-3MS

Percent Solids for Sample: 90.7 **Spiked ID:** Q1982-03MS **Percent Solids for Spike Sample:** 90.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	7410		6860		99.8	546		P
Antimony	mg/Kg	75 - 125	10.5		2.61	U	39.9	26	N	P
Arsenic	mg/Kg	75 - 125	26.8		0.98	J	39.9	65	N	P
Barium	mg/Kg	75 - 125	43.1		32.2		10.0	109		P
Beryllium	mg/Kg	75 - 125	6.73		0.54		10.0	62	N	P
Cadmium	mg/Kg	75 - 125	9.18		0.073	J	10.0	91		P
Calcium	mg/Kg	75 - 125	158		127		49.9	61	N	P
Chromium	mg/Kg	75 - 125	17.3		4.97		20.0	62	N	P
Cobalt	mg/Kg	75 - 125	12.1		2.79		10.0	93		P
Copper	mg/Kg	75 - 125	11.6		2.12		15.0	63	N	P
Iron	mg/Kg	75 - 125	9840		9220		150	410		P
Lead	mg/Kg	75 - 125	47.7		3.44		49.9	89		P
Magnesium	mg/Kg	75 - 125	266		180		99.8	86		P
Manganese	mg/Kg	75 - 125	22.8		15.0		10.0	77		P
Nickel	mg/Kg	75 - 125	26.4		3.55		24.9	92		P
Potassium	mg/Kg	75 - 125	469		121		500	70	N	P
Selenium	mg/Kg	75 - 125	61.4		1.05	U	99.8	62	N	P
Silver	mg/Kg	75 - 125	2.63		0.52	U	3.7	71	N	P
Sodium	mg/Kg	75 - 125	192		85.7	J	150	71	N	P
Thallium	mg/Kg	75 - 125	91.0		2.09	U	99.8	91		P
Vanadium	mg/Kg	75 - 125	21.0		10.8		15.0	68	N	P
Zinc	mg/Kg	75 - 125	15.8		9.47		10.0	64	N	P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q1982

contract: CAMP02 **lab code:** CHEM **case no.:** Q1982 **sas no.:** Q1982

matrix: Solid **sample id:** Q1982-03 **client id:** TP-3MSD

Percent Solids for Sample: 90.7 **Spiked ID:** Q1982-03MSD **Percent Solids for Spike Sample:** 90.7

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	7580		6860		100	716		P
Antimony	mg/Kg	75 - 125	11.2		2.61	U	40.5	28	N	P
Arsenic	mg/Kg	75 - 125	28.1		0.98	J	40.5	67	N	P
Barium	mg/Kg	75 - 125	41.1		32.2		10.1	88		P
Beryllium	mg/Kg	75 - 125	7.40		0.54		10.1	68	N	P
Cadmium	mg/Kg	75 - 125	9.34		0.073	J	10.1	92		P
Calcium	mg/Kg	75 - 125	164		127		50.6	74	N	P
Chromium	mg/Kg	75 - 125	18.0		4.97		20.2	64	N	P
Cobalt	mg/Kg	75 - 125	12.5		2.79		10.1	96		P
Copper	mg/Kg	75 - 125	12.4		2.12		15.2	67	N	P
Iron	mg/Kg	75 - 125	9490		9220		150	178		P
Lead	mg/Kg	75 - 125	48.2		3.44		50.6	88		P
Magnesium	mg/Kg	75 - 125	248		180		100	68	N	P
Manganese	mg/Kg	75 - 125	23.4		15.0		10.1	83		P
Nickel	mg/Kg	75 - 125	26.7		3.55		25.3	91		P
Potassium	mg/Kg	75 - 125	430		121		510	61	N	P
Selenium	mg/Kg	75 - 125	64.0		1.05	U	100	64	N	P
Silver	mg/Kg	75 - 125	2.58		0.52	U	3.8	68	N	P
Sodium	mg/Kg	75 - 125	184		85.7	J	150	66	N	P
Thallium	mg/Kg	75 - 125	94.1		2.09	U	100	94		P
Vanadium	mg/Kg	75 - 125	22.1		10.8		15.2	75		P
Zinc	mg/Kg	75 - 125	16.4		9.47		10.1	68	N	P

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metals
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MATRIX SPIKE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q1982

contract: CAMP02 **lab code:** CHEM **case no.:** Q1982 **sas no.:** Q1982

matrix: Solid **sample id:** Q1983-01 **client id:** OR-636-COMP-01MS

Percent Solids for Sample: 88.8 **Spiked ID:** Q1983-01MS **Percent Solids for Spike Sample:** 88.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.27		0.026		0.29	84		CV

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q1982

contract: CAMP02 **lab code:** CHEM **case no.:** Q1982 **sas no.:** Q1982

matrix: Solid **sample id:** Q1983-01 **client id:** OR-636-COMP-01MSD

Percent Solids for Sample: 88.8 **Spiked ID:** Q1983-01MSD **Percent Solids for Spike Sample:** 88.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.25		0.026		0.27	83		CV

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Metals
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POST DIGEST SPIKE SUMMARY

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

Matrix: Solid **Level:** LOW **Client ID:** TP-3A

Sample ID: Q1982-03 **Spiked ID:** Q1982-03A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	28.4		2.61	U	41.8	68	N	P
Arsenic	mg/Kg	75 - 125	28.6		0.98	J	41.8	66	N	P
Beryllium	mg/Kg	75 - 125	7.38		0.54		10.5	65	N	P
Calcium	mg/Kg	75 - 125	161		127		52.3	65	N	P
Chromium	mg/Kg	75 - 125	18.5		4.97		20.9	65	N	P
Copper	mg/Kg	75 - 125	12.1		2.12		15.7	64	N	P
Magnesium	mg/Kg	75 - 125	253		180		100	73	N	P
Potassium	mg/Kg	75 - 125	472		121		520	68	N	P
Selenium	mg/Kg	75 - 125	66.0		1.05	U	100	66	N	P
Silver	mg/Kg	75 - 125	2.72		0.52	U	3.90	70	N	P
Sodium	mg/Kg	75 - 125	194		85.7	J	160	67	N	P
Vanadium	mg/Kg	75 - 125	21.4		10.8		15.7	68	N	P
Zinc	mg/Kg	75 - 125	16.4		9.47		10.5	66	N	P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: CDM Smith **Level:** LOW **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

Matrix: Solid **Sample ID:** Q1982-03 **Client ID:** TP-3DUP

Percent Solids for Sample: 90.7 **Duplicate ID** Q1982-03DUP **Percent Solids for Spike Sample:** 90.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	6860		7020		2		P
Antimony	mg/Kg	20	2.61	U	2.41	U			P
Arsenic	mg/Kg	20	0.98	J	1.13		14		P
Barium	mg/Kg	20	32.2		36.2		12		P
Beryllium	mg/Kg	20	0.54		0.52		4		P
Cadmium	mg/Kg	20	0.073	J	0.093	J	24		P
Calcium	mg/Kg	20	127		126		1		P
Chromium	mg/Kg	20	4.97		4.55		9		P
Cobalt	mg/Kg	20	2.79		2.81		1		P
Copper	mg/Kg	20	2.12		1.92		10		P
Iron	mg/Kg	20	9220		9330		1		P
Lead	mg/Kg	20	3.44		3.65		6		P
Magnesium	mg/Kg	20	180		191		6		P
Manganese	mg/Kg	20	15.0		16.3		8		P
Nickel	mg/Kg	20	3.55		3.74		5		P
Potassium	mg/Kg	20	121		136		12		P
Selenium	mg/Kg	20	1.05	U	0.96	U			P
Silver	mg/Kg	20	0.52	U	0.48	U			P
Sodium	mg/Kg	20	85.7	J	95.5	J	11		P
Thallium	mg/Kg	20	2.09	U	1.93	U			P
Vanadium	mg/Kg	20	10.8		11.3		5		P
Zinc	mg/Kg	20	9.47		9.37		1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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DUPLICATE SAMPLE SUMMARY

Client: CDM Smith **Level:** LOW **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

Matrix: Solid **Sample ID:** Q1982-03MS **Client ID:** TP-3MSD

Percent Solids for Sample: 90.7 **Duplicate ID** Q1982-03MSD **Percent Solids for Spike Sample:** 90.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	7410		7580		2		P
Antimony	mg/Kg	20	10.5		11.2		6		P
Arsenic	mg/Kg	20	26.8		28.1		5		P
Barium	mg/Kg	20	43.1		41.1		5		P
Beryllium	mg/Kg	20	6.73		7.40		9		P
Cadmium	mg/Kg	20	9.18		9.34		2		P
Calcium	mg/Kg	20	158		164		4		P
Chromium	mg/Kg	20	17.3		18.0		4		P
Cobalt	mg/Kg	20	12.1		12.5		3		P
Copper	mg/Kg	20	11.6		12.4		7		P
Iron	mg/Kg	20	9840		9490		4		P
Lead	mg/Kg	20	47.7		48.2		1		P
Magnesium	mg/Kg	20	266		248		7		P
Manganese	mg/Kg	20	22.8		23.4		3		P
Nickel	mg/Kg	20	26.4		26.7		1		P
Potassium	mg/Kg	20	469		430		9		P
Selenium	mg/Kg	20	61.4		64.0		4		P
Silver	mg/Kg	20	2.63		2.58		2		P
Sodium	mg/Kg	20	192		184		4		P
Thallium	mg/Kg	20	91.0		94.1		3		P
Vanadium	mg/Kg	20	21.0		22.1		5		P
Zinc	mg/Kg	20	15.8		16.4		4		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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DUPLICATE SAMPLE SUMMARY

Client: CDM Smith **Level:** LOW **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

Matrix: Solid **Sample ID:** Q1983-01 **Client ID:** OR-636-COMP-01DUP

Percent Solids for Sample: 88.8 **Duplicate ID** Q1983-01DUP **Percent Solids for Spike Sample:** 88.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.026		0.030		14		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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DUPLICATE SAMPLE SUMMARY

Client: CDM Smith **Level:** LOW **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

Matrix: Solid **Sample ID:** Q1983-01MS **Client ID:** OR-636-COMP-01MSD

Percent Solids for Sample: 88.8 **Duplicate ID** Q1983-01MSD **Percent Solids for Spike Sample:** 88.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.27		0.25		8		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167930BS							
Aluminum	mg/Kg	93.5	85.9		92	80 - 120	P
Antimony	mg/Kg	37.4	36.7		98	80 - 120	P
Arsenic	mg/Kg	37.4	35.6		95	80 - 120	P
Barium	mg/Kg	9.3	8.32		90	80 - 120	P
Beryllium	mg/Kg	9.3	8.73		94	80 - 120	P
Cadmium	mg/Kg	9.3	8.94		96	80 - 120	P
Calcium	mg/Kg	46.7	44.2	J	95	80 - 120	P
Chromium	mg/Kg	18.7	18.0		96	80 - 120	P
Cobalt	mg/Kg	9.3	8.68		93	80 - 120	P
Copper	mg/Kg	14.0	13.7		98	80 - 120	P
Iron	mg/Kg	140	133		95	80 - 120	P
Lead	mg/Kg	46.7	43.8		94	80 - 120	P
Magnesium	mg/Kg	93.5	85.3	J	91	80 - 120	P
Manganese	mg/Kg	9.3	8.76		94	80 - 120	P
Nickel	mg/Kg	23.4	21.9		94	80 - 120	P
Potassium	mg/Kg	470	434		92	80 - 120	P
Selenium	mg/Kg	93.5	89.6		96	80 - 120	P
Silver	mg/Kg	3.5	3.31		95	80 - 120	P
Sodium	mg/Kg	140	137		98	80 - 120	P
Thallium	mg/Kg	93.5	94.0		100	80 - 120	P
Vanadium	mg/Kg	14.0	12.8		91	80 - 120	P
Zinc	mg/Kg	9.3	9.06		97	80 - 120	P

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167937BS							
Mercury	mg/Kg	0.26	0.26		99	80 - 120	CV

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ICP SERIAL DILUTIONS

SAMPLE NO.

TP-3L

Lab Name: Chemtech Consulting Group **Contract:** CAMP02

Lab Code: CHEM **Lb No.:** lb135756 **Lab Sample ID :** Q1982-03L **SDG No.:** Q1982

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	6860		8410		22		P
Antimony	2.61	U	13.1	U			P
Arsenic	0.98	J	1.17	J	20		P
Barium	32.2		38.7		20		P
Beryllium	0.54		0.63	J	18		P
Cadmium	0.073	J	1.57	U	100.0		P
Calcium	127		165	J	30		P
Chromium	4.97		6.10		23		P
Cobalt	2.79		2.69	J	4		P
Copper	2.12		2.49	J	17		P
Iron	9220		11600		25		P
Lead	3.44		3.66		6		P
Magnesium	180		221	J	23		P
Manganese	15.0		18.4		23		P
Nickel	3.55		3.51	J	1		P
Potassium	121		152	J	26		P
Selenium	1.05	U	5.23	U			P
Silver	0.52	U	2.61	U			P
Sodium	85.7	J	523	U	100.0		P
Thallium	2.09	U	10.4	U			P
Vanadium	10.8		13.0		21		P
Zinc	9.47		11.8		25		P

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ICP SERIAL DILUTIONS

SAMPLE NO.

OR-636-COMP-01L

Lab Name: Chemtech Consulting Group **Contract:** CAMP02

Lab Code: CHEM **Lb No.:** lb135733 **Lab Sample ID :** Q1983-01L **SDG No.:** Q1982

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	0.026		0.070	U	100.0		CV

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ANALYSIS RUN LOG

Client: CDM Smith **Contract:** CAMP02

Lab code: CHEM **Case no.:** Q1982 **Sas no.:** Q1982 **Sdg no.:** Q1982

Instrument id number: **Method:** **Run number:** LB135733

Start date: 05/12/2025 **End date:** 05/12/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0936	HG
S0.2	S0.2	1	0938	HG
S2.5	S2.5	1	0940	HG
S5	S5	1	0945	HG
S7.5	S7.5	1	0947	HG
S10	S10	1	0953	HG
ICV05	ICV05	1	0956	HG
ICB05	ICB05	1	0958	HG
CCV07	CCV07	1	1006	HG
CCB07	CCB07	1	1008	HG
CRA	CRA	1	1011	HG
PB167937BL	PB167937BL	1	1018	HG
PB167937BS	PB167937BS	1	1022	HG
Q1982-01	TP-1	1	1025	HG
Q1982-02	TP-2B	1	1027	HG
Q1982-03	TP-3	1	1029	HG
Q1982-04	TP-4	1	1032	HG
Q1982-05	TP-5	1	1034	HG
CCV08	CCV08	1	1036	HG
CCB08	CCB08	1	1039	HG
Q1982-06	TP-6	1	1041	HG
Q1982-07	TP-8	1	1043	HG
Q1982-08	TP-9	1	1045	HG
Q1983-01DUP	OR-636-COMP-01DUP	1	1050	HG
Q1983-01MS	OR-636-COMP-01MS	1	1052	HG
Q1983-01MSD	OR-636-COMP-01MSD	1	1055	HG
CCV09	CCV09	1	1109	HG
CCB09	CCB09	1	1111	HG
CCV10	CCV10	1	1136	HG
CCB10	CCB10	1	1139	HG
CCV11	CCV11	1	1242	HG
CCB11	CCB11	1	1253	HG
Q1983-01L	OR-636-COMP-01L	5	1308	HG
CCV12	CCV12	1	1317	HG
CCB12	CCB12	1	1327	HG

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ANALYSIS RUN LOG

Client: CDM Smith **Contract:** CAMP02

Lab code: CHEM **Case no.:** Q1982 **Sas no.:** Q1982 **Sdg no.:** Q1982

Instrument id number: **Method:** **Run number:** LB135756

Start date: 05/13/2025 **End date:** 05/13/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1207	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	1211	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	1216	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	1220	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	1224	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	1228	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	1233	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	1250	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	1255	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	1300	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1304	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1308	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	1321	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	1326	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167930BL	PB167930BL	1	1435	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	1452	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	1456	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167930BS	PB167930BS	1	1500	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	1612	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	1647	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	1740	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	1746	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	1835	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	1839	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	1920	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	1925	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	2006	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	2010	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1982-01	TP-1	1	2031	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1982-02	TP-2B	1	2035	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1982-03	TP-3	1	2039	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1982-03DUP	TP-3DUP	1	2043	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1982-03L	TP-3L	5	2048	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	2052	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	2056	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1982-03MS	TP-3MS	1	2100	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1982-03MSD	TP-3MSD	1	2104	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1982-03A	TP-3A	1	2108	Ag,As,Be,Ca,Cr,Cu,K,Mg,Na,Sb,Se,V,Zn
Q1982-04	TP-4	1	2112	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1982-05	TP-5	1	2117	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1982-06	TP-6	1	2121	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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ANALYSIS RUN LOG

Client: CDM Smith **Contract:** CAMP02

Lab code: CHEM **Case no.:** Q1982 **Sas no.:** Q1982 **Sdg no.:** Q1982

Instrument id number: **Method:** **Run number:** LB135756

Start date: 05/13/2025 **End date:** 05/13/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
Q1982-07	TP-8	1	2125	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1982-08	TP-9	1	2129	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	2138	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	2142	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	2225	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	2229	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.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

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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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

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
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

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
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

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.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1982 **SAS No.:** Q1982

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:	Q1982	**OrderDate:**	5/7/2025 3:20:42 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
Q1982-01	**TP-1**	**SOIL**			**05/06/25**			**05/07/25**
			Metals ICP-TAL	6010D		05/09/25	05/13/25	
			Mercury	7471B		05/09/25	05/12/25	
Q1982-02	**TP-2B**	**SOIL**			**05/06/25**			**05/07/25**
			Metals ICP-TAL	6010D		05/09/25	05/13/25	
			Mercury	7471B		05/09/25	05/12/25	
Q1982-03	**TP-3**	**SOIL**			**05/06/25**			**05/07/25**
			Metals ICP-TAL	6010D		05/09/25	05/13/25	
			Mercury	7471B		05/09/25	05/12/25	
Q1982-04	**TP-4**	**SOIL**			**05/07/25**			**05/07/25**
			Mercury	7471B		05/09/25	05/12/25	
			Metals ICP-TAL	6010D		05/09/25	05/13/25	
Q1982-05	**TP-5**	**SOIL**			**05/07/25**			**05/07/25**
			Mercury	7471B		05/09/25	05/12/25	
			Metals ICP-TAL	6010D		05/09/25	05/13/25	
Q1982-06	**TP-6**	**SOIL**			**05/07/25**			**05/07/25**
			Mercury	7471B		05/09/25	05/12/25	
			Metals ICP-TAL	6010D		05/09/25	05/13/25	
Q1982-07	**TP-8**	**SOIL**			**05/07/25**			**05/07/25**
			Mercury	7471B		05/09/25	05/12/25	
			Metals ICP-TAL	6010D		05/09/25	05/13/25	
Q1982-08	**TP-9**	**SOIL**			**05/07/25**			**05/07/25**
			Mercury	7471B		05/09/25	05/12/25	
			Metals ICP-TAL	6010D		05/09/25	05/13/25	

METAL PREPARATION & ANALYICAL SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Metals
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SAMPLE PREPARATION SUMMARY

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Method:**

Case No.: Q1982 **SAS No.:** Q1982

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167930**						
PB167930BL	PB167930BL	MB	SOLID	05/09/2025	2.06	100.0	100.00
PB167930BS	PB167930BS	LCS	SOLID	05/09/2025	2.14	100.0	100.00
Q1982-01	TP-1	SAM	SOLID	05/09/2025	2.13	100.0	80.90
Q1982-02	TP-2B	SAM	SOLID	05/09/2025	2.19	100.0	85.00
Q1982-03	TP-3	SAM	SOLID	05/09/2025	2.11	100.0	90.70
Q1982-03DUP	TP-3DUP	DUP	SOLID	05/09/2025	2.29	100.0	90.70
Q1982-03MS	TP-3MS	MS	SOLID	05/09/2025	2.21	100.0	90.70
Q1982-03MSD	TP-3MSD	MSD	SOLID	05/09/2025	2.18	100.0	90.70
Q1982-04	TP-4	SAM	SOLID	05/09/2025	2.23	100.0	87.40
Q1982-05	TP-5	SAM	SOLID	05/09/2025	2.22	100.0	89.90
Q1982-06	TP-6	SAM	SOLID	05/09/2025	2.18	100.0	86.20
Q1982-07	TP-8	SAM	SOLID	05/09/2025	2.33	100.0	83.70
Q1982-08	TP-9	SAM	SOLID	05/09/2025	2.13	100.0	81.30

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Metals
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SAMPLE PREPARATION SUMMARY

Client: CDM Smith **SDG No.:** Q1982

Contract: CAMP02 **Lab Code:** CHEM **Method:**

Case No.: Q1982 **SAS No.:** Q1982

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167937**						
PB167937BL	PB167937BL	MB	SOLID	05/09/2025	0.55	35.0	100.00
PB167937BS	PB167937BS	LCS	SOLID	05/09/2025	0.53	35.0	100.00
Q1982-01	TP-1	SAM	SOLID	05/09/2025	0.51	35.0	80.90
Q1982-02	TP-2B	SAM	SOLID	05/09/2025	0.53	35.0	85.00
Q1982-03	TP-3	SAM	SOLID	05/09/2025	0.54	35.0	90.70
Q1982-04	TP-4	SAM	SOLID	05/09/2025	0.58	35.0	87.40
Q1982-05	TP-5	SAM	SOLID	05/09/2025	0.58	35.0	89.90
Q1982-06	TP-6	SAM	SOLID	05/09/2025	0.58	35.0	86.20
Q1982-07	TP-8	SAM	SOLID	05/09/2025	0.55	35.0	83.70
Q1982-08	TP-9	SAM	SOLID	05/09/2025	0.57	35.0	81.30
Q1983-01DUP	OR-636-COMP-01DUP	DUP	SOLID	05/09/2025	0.57	35.0	88.80
Q1983-01MS	OR-636-COMP-01MS	MS	SOLID	05/09/2025	0.55	35.0	88.80
Q1983-01MSD	OR-636-COMP-01MSD	MSD	SOLID	05/09/2025	0.58	35.0	88.80

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135733

Review By	MOHAN	Review On	5/13/2025 11:37:48 AM
Supervise By	jaswal	Supervise On	5/13/2025 11:15:56 PM

STD. NAME	STD REF.#
ICAL Standard	MP85626,MP85627,MP85628,MP85629,MP85630,MP85631
ICV Standard	MP85632
CCV Standard	MP85634
ICSA Standard	
CRI Standard	MP85636
LCS Standard	
Chk Standard	MP85633,MP85634,MP837,MP85646

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	05/12/25 09:36		MOHAN	OK
2	S0.2	S0.2	CAL2	05/12/25 09:38		MOHAN	OK
3	S2.5	S2.5	CAL3	05/12/25 09:40		MOHAN	OK
4	S5	S5	CAL4	05/12/25 09:45		MOHAN	OK
5	S7.5	S7.5	CAL5	05/12/25 09:47		MOHAN	OK
6	S10	S10	CAL6	05/12/25 09:53		MOHAN	OK
7	ICV05	ICV05	ICV	05/12/25 09:56		MOHAN	OK
8	ICB05	ICB05	ICB	05/12/25 09:58		MOHAN	OK
9	CCV07	CCV07	CCV	05/12/25 10:06		MOHAN	OK
10	CCB07	CCB07	CCB	05/12/25 10:08		MOHAN	OK
11	CRA	CRA	CRDL	05/12/25 10:11		MOHAN	OK
12	HighStd	HighStd	HIGH STD	05/12/25 10:13		MOHAN	OK
13	ChkStd	ChkStd	SAM	05/12/25 10:15		MOHAN	OK
14	PB167937BL	PB167937BL	MB	05/12/25 10:18		MOHAN	OK
15	PB167937BS	PB167937BS	LCS	05/12/25 10:22		MOHAN	OK
16	Q1982-01	TP-1	SAM	05/12/25 10:25		MOHAN	OK
17	Q1982-02	TP-2B	SAM	05/12/25 10:27		MOHAN	OK
18	Q1982-03	TP-3	SAM	05/12/25 10:29		MOHAN	OK

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Fax : 908 789 8922

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135733

Review By	MOHAN	Review On	5/13/2025 11:37:48 AM
Supervise By	jaswal	Supervise On	5/13/2025 11:15:56 PM

STD. NAME	STD REF.#
ICAL Standard	MP85626,MP85627,MP85628,MP85629,MP85630,MP85631
ICV Standard	MP85632
CCV Standard	MP85634
ICSA Standard	
CRI Standard	MP85636
LCS Standard	
Chk Standard	MP85633,MP85634,MP837,MP85646

19	Q1982-04	TP-4	SAM	05/12/25 10:32		MOHAN	OK
20	Q1982-05	TP-5	SAM	05/12/25 10:34		MOHAN	OK
21	CCV08	CCV08	CCV	05/12/25 10:36		MOHAN	OK
22	CCB08	CCB08	CCB	05/12/25 10:39		MOHAN	OK
23	Q1982-06	TP-6	SAM	05/12/25 10:41		MOHAN	OK
24	Q1982-07	TP-8	SAM	05/12/25 10:43		MOHAN	OK
25	Q1982-08	TP-9	SAM	05/12/25 10:45		MOHAN	OK
26	Q1983-01	OR-636-COMP-01	SAM	05/12/25 10:48		MOHAN	OK
27	Q1983-01DUP	OR-636-COMP-01DU	DUP	05/12/25 10:50		MOHAN	OK
28	Q1983-01MS	OR-636-COMP-01MS	MS	05/12/25 10:52		MOHAN	OK
29	Q1983-01MSD	OR-636-COMP-01MS	MSD	05/12/25 10:55		MOHAN	OK
30	Q1983-07	OR-636-COMP-02	SAM	05/12/25 10:57		MOHAN	OK
31	Q1983-13	OR-636-COMP-03	SAM	05/12/25 10:59		MOHAN	OK
32	Q1983-19	OR-636-COMP-04	SAM	05/12/25 11:01		MOHAN	OK
33	CCV09	CCV09	CCV	05/12/25 11:09		MOHAN	OK
34	CCB09	CCB09	CCB	05/12/25 11:11		MOHAN	OK
35	Q1983-25	OR-636-COMP-05	SAM	05/12/25 11:14		MOHAN	OK
36	Q1983-31	OR-636-COMP-06	SAM	05/12/25 11:16		MOHAN	OK
37	Q1983-37	OR-636-COMP-07	SAM	05/12/25 11:18		MOHAN	OK
38	Q1983-43	OR-636-COMP-08	SAM	05/12/25 11:20		MOHAN	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135733

Review By	MOHAN	Review On	5/13/2025 11:37:48 AM
Supervise By	jaswal	Supervise On	5/13/2025 11:15:56 PM

STD. NAME	STD REF.#
ICAL Standard	MP85626,MP85627,MP85628,MP85629,MP85630,MP85631
ICV Standard	MP85632
CCV Standard	MP85634
ICSA Standard	
CRI Standard	MP85636
LCS Standard	
Chk Standard	MP85633,MP85634,MP837,MP85646

39	Q1983-49	OR-636-COMP-09	SAM	05/12/25 11:23		MOHAN	OK
40	PB167938BL	PB167938BL	MB	05/12/25 11:25		MOHAN	OK
41	PB167938BS	PB167938BS	LCS	05/12/25 11:27		MOHAN	OK
42	Q1984-01	OU4-PCS-TC-33-050	SAM	05/12/25 11:30		MOHAN	OK
43	Q1984-03	OU4-PCS-TC-34-050	SAM	05/12/25 11:32		MOHAN	OK
44	Q1984-05	OU4-PCS-TC-35-050	SAM	05/12/25 11:34		MOHAN	OK
45	CCV10	CCV10	CCV	05/12/25 11:36		MOHAN	OK
46	CCB10	CCB10	CCB	05/12/25 11:39		MOHAN	OK
47	Q1984-07	OU4-TS-24-050725	SAM	05/12/25 11:41		MOHAN	OK
48	Q1984-09	OU4-TS-25-050725	SAM	05/12/25 11:43		MOHAN	OK
49	Q1984-11	OU4-TS-26-050725	SAM	05/12/25 11:46		MOHAN	OK
50	Q1984-13	OU4-TS-27-050725	SAM	05/12/25 11:48		MOHAN	OK
51	Q1984-15	OU4-TS-28-050725	SAM	05/12/25 11:50		MOHAN	OK
52	Q1986-01	COMP-8	SAM	05/12/25 11:56		MOHAN	OK
53	Q1986-03	COMP-9	SAM	05/12/25 12:00		MOHAN	OK
54	Q1986-05	COMP-10	SAM	05/12/25 12:02		MOHAN	OK
55	Q1986-07	COMP-11	SAM	05/12/25 12:05		MOHAN	OK
56	Q1986-09	VNJ-218	SAM	05/12/25 12:07		MOHAN	OK
57	CCV11	CCV11	CCV	05/12/25 12:42		MOHAN	OK
58	CCB11	CCB11	CCB	05/12/25 12:53		MOHAN	OK

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135733

Review By	MOHAN	Review On	5/13/2025 11:37:48 AM
Supervise By	jaswal	Supervise On	5/13/2025 11:15:56 PM

STD. NAME	STD REF.#
ICAL Standard	MP85626,MP85627,MP85628,MP85629,MP85630,MP85631
ICV Standard	MP85632
CCV Standard	MP85634
ICSA Standard	
CRI Standard	MP85636
LCS Standard	
Chk Standard	MP85633,MP85634,MP837,MP85646

59	Q1986-09DUP	VNJ-218DUP	DUP	05/12/25 12:58		MOHAN	OK
60	Q1986-09MS	VNJ-218MS	MS	05/12/25 13:00		MOHAN	OK
61	Q1986-09MSD	VNJ-218MSD	MSD	05/12/25 13:03		MOHAN	OK
62	Q2002-01	EO-02-05092025	SAM	05/12/25 13:05		MOHAN	OK
63	Q1983-01L	OR-636-COMP-01L	SD	05/12/25 13:08		MOHAN	OK
64	Q1983-01A	OR-636-COMP-01A	PS	05/12/25 13:10		MOHAN	OK
65	Q1986-09L	VNJ-218L	SD	05/12/25 13:12		MOHAN	OK
66	Q1986-09A	VNJ-218A	PS	05/12/25 13:15		MOHAN	OK
67	CCV12	CCV12	CCV	05/12/25 13:17		MOHAN	OK
68	CCB12	CCB12	CCB	05/12/25 13:27		MOHAN	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135756

Review By	Janvi	Review On	5/14/2025 12:25:32 PM
Supervise By	jaswal	Supervise On	5/14/2025 12:29:12 PM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85546,MP85547,MP85548,MP85549,MP85552
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	05/13/25 12:07		Kareem	OK
2	S1	S1	CAL2	05/13/25 12:11		Kareem	OK
3	S2	S2	CAL3	05/13/25 12:16		Kareem	OK
4	S3	S3	CAL4	05/13/25 12:20		Kareem	OK
5	S4	S4	CAL5	05/13/25 12:24		Kareem	OK
6	S5	S5	CAL6	05/13/25 12:28		Kareem	OK
7	ICV01	ICV01	ICV	05/13/25 12:33	Fai For 95-105(Ca,Co,fe,Mg,Mn,Ni, V)	Kareem	OK
8	LLICV01	LLICV01	LLICV	05/13/25 12:50		Kareem	OK
9	ICB01	ICB01	ICB	05/13/25 12:55		Kareem	OK
10	CRI01	CRI01	CRDL	05/13/25 13:00		Kareem	OK
11	ICSA01	ICSA01	ICSA	05/13/25 13:04		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	05/13/25 13:08		Kareem	OK
13	ICSADL	ICSADL	ICSA	05/13/25 13:12		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	05/13/25 13:17		Kareem	OK
15	CCV01	CCV01	CCV	05/13/25 13:21		Kareem	OK
16	CCB01	CCB01	CCB	05/13/25 13:26		Kareem	OK
17	PB167916BL	PB167916BL	MB	05/13/25 13:30		Kareem	OK
18	PB167916BS	PB167916BS	LCS	05/13/25 13:52		Kareem	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 # LB135756

Review By	Janvi	Review On	5/14/2025 12:25:32 PM
Supervise By	jaswal	Supervise On	5/14/2025 12:29:12 PM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85546,MP85547,MP85548,MP85549,MP85552
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

19	PB167909BL	PB167909BL	MB	05/13/25 13:57	NOT USE	Kareem	Not Ok
20	PB167909BS	PB167909BS	LCS	05/13/25 14:01	NOT USE	Kareem	Not Ok
21	PB167934BL	PB167934BL	MB	05/13/25 14:06		Kareem	OK
22	PB167934BS	PB167934BS	LCS	05/13/25 14:11		Kareem	OK
23	PB167918BL	PB167918BL	MB	05/13/25 14:27		Kareem	OK
24	PB167918BS	PB167918BS	LCS	05/13/25 14:31		Kareem	OK
25	PB167930BL	PB167930BL	MB	05/13/25 14:35		Kareem	OK
26	CCV02	CCV02	CCV	05/13/25 14:52		Kareem	OK
27	CCB02	CCB02	CCB	05/13/25 14:56		Kareem	OK
28	PB167930BS	PB167930BS	LCS	05/13/25 15:00		Kareem	OK
29	Q1967-01DL	RECLAIM-TANKDL	SAM	05/13/25 15:04	5X For Zn	Kareem	Confirms
30	Q1967-02	BOOSTER-1	SAM	05/13/25 15:08		Kareem	OK
31	Q1967-03DL	ACID-PITDL	SAM	05/13/25 15:19	Zn High	Kareem	Dilution
32	Q1967-04	CHAMBER-WASHER	SAM	05/13/25 15:23		Kareem	OK
33	Q1967-03DL2	ACID-PITDL2	SAM	05/13/25 15:28	25X For Zn	Kareem	Confirms
34	Q1967-05DL	PORT-SAMPLEDL	SAM	05/13/25 15:44		Kareem	OK
35	Q1967-05DUPDL	PORT-SAMPLEDUPD	DUP	05/13/25 15:49		Kareem	OK
36	Q1967-05LDL	PORT-SAMPLELDL	SD	05/13/25 15:53		Kareem	OK
37	Q1967-05MSDL	PORT-SAMPLEMSDL	MS	05/13/25 15:57		Kareem	OK
38	CCV03	CCV03	CCV	05/13/25 16:12		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135756

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Supervise By	jaswal	Supervise On	5/14/2025 12:29:12 PM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85546,MP85547,MP85548,MP85549,MP85552
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

39	CCB03	CCB03	CCB	05/13/25 16:47		Kareem	OK
40	Q1967-05MSDDL	PORT-SAMPLEMSDL	MSD	05/13/25 16:51		Kareem	OK
41	Q1967-05ADL	PORT-SAMPLEADL	PS	05/13/25 16:56		Kareem	OK
42	PB167917TB	PB167917TB	MB	05/13/25 17:09		Kareem	OK
43	Q1983-06	OR-636-COMP-01	SAM	05/13/25 17:14		Kareem	OK
44	Q1983-12	OR-636-COMP-02	SAM	05/13/25 17:18		Kareem	OK
45	Q1983-18	OR-636-COMP-03	SAM	05/13/25 17:23		Kareem	OK
46	Q1983-24	OR-636-COMP-04	SAM	05/13/25 17:27		Kareem	OK
47	Q1983-30	OR-636-COMP-05	SAM	05/13/25 17:32		Kareem	OK
48	Q1983-36	OR-636-COMP-06	SAM	05/13/25 17:36		Kareem	OK
49	CCV04	CCV04	CCV	05/13/25 17:40		Kareem	OK
50	CCB04	CCB04	CCB	05/13/25 17:46		Kareem	OK
51	Q1983-42	OR-636-COMP-07	SAM	05/13/25 17:50		Kareem	OK
52	Q1983-48	OR-636-COMP-08	SAM	05/13/25 17:55		Kareem	OK
53	Q1983-54	OR-636-COMP-09	SAM	05/13/25 17:59		Kareem	OK
54	Q1986-02	COMP-8	SAM	05/13/25 18:04		Kareem	OK
55	Q1986-04	COMP-9	SAM	05/13/25 18:08		Kareem	OK
56	Q1986-06	COMP-10	SAM	05/13/25 18:12		Kareem	OK
57	Q1986-08	COMP-11	SAM	05/13/25 18:17		Kareem	OK
58	Q1986-10	VNJ-218	SAM	05/13/25 18:21		Kareem	OK

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ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

59	Q1986-10DUP	VNJ-218DUP	DUP	05/13/25 18:26		Kareem	OK
60	Q1986-10L	VNJ-218L	SD	05/13/25 18:30		Kareem	OK
61	CCV05	CCV05	CCV	05/13/25 18:35		Kareem	OK
62	CCB05	CCB05	CCB	05/13/25 18:39		Kareem	OK
63	Q1986-10MS	VNJ-218MS	MS	05/13/25 18:43		Kareem	OK
64	Q1986-10MSD	VNJ-218MSD	MSD	05/13/25 18:47		Kareem	OK
65	Q1986-10A	VNJ-218A	PS	05/13/25 18:51		Kareem	OK
66	Q1983-01	OR-636-COMP-01	SAM	05/13/25 18:56		Kareem	OK
67	Q1983-07	OR-636-COMP-02	SAM	05/13/25 19:00		Kareem	OK
68	Q1983-13	OR-636-COMP-03	SAM	05/13/25 19:04		Kareem	OK
69	Q1983-19	OR-636-COMP-04	SAM	05/13/25 19:08		Kareem	OK
70	Q1983-25	OR-636-COMP-05	SAM	05/13/25 19:12		Kareem	OK
71	Q1983-31	OR-636-COMP-06	SAM	05/13/25 19:16		Kareem	OK
72	CCV06	CCV06	CCV	05/13/25 19:20		Kareem	OK
73	CCB06	CCB06	CCB	05/13/25 19:25		Kareem	OK
74	Q1983-37	OR-636-COMP-07	SAM	05/13/25 19:29		Kareem	OK
75	Q1983-43	OR-636-COMP-08	SAM	05/13/25 19:33		Kareem	OK
76	Q1983-49	OR-636-COMP-09	SAM	05/13/25 19:37		Kareem	OK
77	Q1983-49DUP	OR-636-COMP-09DU	DUP	05/13/25 19:41		Kareem	OK
78	Q1983-49L	OR-636-COMP-09L	SD	05/13/25 19:45		Kareem	OK

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ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

79	Q1983-49MS	OR-636-COMP-09MS	MS	05/13/25 19:50		Kareem	OK
80	Q1983-49MSD	OR-636-COMP-09MS	MSD	05/13/25 19:54		Kareem	OK
81	Q1983-49A	OR-636-COMP-09A	PS	05/13/25 19:58		Kareem	OK
82	Q1986-01	COMP-8	SAM	05/13/25 20:02		Kareem	OK
83	CCV07	CCV07	CCV	05/13/25 20:06		Kareem	OK
84	CCB07	CCB07	CCB	05/13/25 20:10		Kareem	OK
85	Q1986-03	COMP-9	SAM	05/13/25 20:14		Kareem	OK
86	Q1986-05	COMP-10	SAM	05/13/25 20:19		Kareem	OK
87	Q1986-07	COMP-11	SAM	05/13/25 20:23		Kareem	OK
88	Q1986-09	VNJ-218	SAM	05/13/25 20:27		Kareem	OK
89	Q1982-01	TP-1	SAM	05/13/25 20:31		Kareem	OK
90	Q1982-02	TP-2B	SAM	05/13/25 20:35		Kareem	OK
91	Q1982-03	TP-3	SAM	05/13/25 20:39		Kareem	OK
92	Q1982-03DUP	TP-3DUP	DUP	05/13/25 20:43		Kareem	OK
93	Q1982-03L	TP-3L	SD	05/13/25 20:48		Kareem	OK
94	CCV08	CCV08	CCV	05/13/25 20:52		Kareem	OK
95	CCB08	CCB08	CCB	05/13/25 20:56		Kareem	OK
96	Q1982-03MS	TP-3MS	MS	05/13/25 21:00		Kareem	OK
97	Q1982-03MSD	TP-3MSD	MSD	05/13/25 21:04		Kareem	OK
98	Q1982-03A	TP-3A	PS	05/13/25 21:08		Kareem	OK

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Daily Analysis Runlog For Sequence/QCBatch ID # LB135756

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Supervise By	jaswal	Supervise On	5/14/2025 12:29:12 PM

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ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

99	Q1982-04	TP-4	SAM	05/13/25 21:12		Kareem	OK
100	Q1982-05	TP-5	SAM	05/13/25 21:17		Kareem	OK
101	Q1982-06	TP-6	SAM	05/13/25 21:21		Kareem	OK
102	Q1982-07	TP-8	SAM	05/13/25 21:25		Kareem	OK
103	Q1982-08	TP-9	SAM	05/13/25 21:29		Kareem	OK
104	PB167894TB	PB167894TB	MB	05/13/25 21:33		Kareem	OK
105	CCV09	CCV09	CCV	05/13/25 21:38		Kareem	OK
106	CCB09	CCB09	CCB	05/13/25 21:42		Kareem	OK
107	Q1968-08	MH-M	SAM	05/13/25 21:46	NOT USE	Kareem	Not Ok
108	Q1974-02	OILY-DEBRIS-COMP	SAM	05/13/25 21:51		Kareem	OK
109	Q1974-04	OILY-PADS	SAM	05/13/25 21:55		Kareem	OK
110	Q1974-04DUP	OILY-PADSDUP	DUP	05/13/25 22:00		Kareem	OK
111	Q1974-04L	OILY-PADSL	SD	05/13/25 22:04		Kareem	OK
112	Q1974-04MS	OILY-PADSMS	MS	05/13/25 22:08		Kareem	OK
113	Q1974-04MSD	OILY-PADSMSD	MSD	05/13/25 22:12		Kareem	OK
114	Q1974-04A	OILY-PADSA	PS	05/13/25 22:17		Kareem	OK
115	Q2002-01	EO-02-05092025	SAM	05/13/25 22:21		Kareem	OK
116	CCV10	CCV10	CCV	05/13/25 22:25		Kareem	OK
117	CCB10	CCB10	CCB	05/13/25 22:29		Kareem	OK

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB167930

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOIL

Pippete ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

Block ID: 1. HOT BLOCK #3 2. N/A

Start Digest Date: 05/09/2025 **Time :** 10:05 **Temp :** 96 °C

End Digest Date: 05/09/2025 **Time :** 12:21 **Temp :** 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #3

Dig Technician Signature: SHB.

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6005
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	M6125
Conc. HCL	10.00	M6151
PTFE Boiling Stones	N/A	M5581
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#3 CELL#35 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
05/09/25 13:21	SHB.met.dig	
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
PB167930BL	PBS930	N/A	2.06	100	Colorless	Colorless	Fine	N/A	N/A	1
PB167930BS	LCS930	N/A	2.14	100	Colorless	Colorless	Fine	N/A	M6005,M6016	2
Q1982-01	TP-1	N/A	2.13	100	Brown	Yellow	Medium	N/A	N/A	3
Q1982-02	TP-2B	N/A	2.19	100	Brown	Yellow	Medium	N/A	N/A	4
Q1982-03	TP-3	N/A	2.11	100	Brown	Yellow	Medium	N/A	N/A	5
Q1982-03MS	TP-3MS	N/A	2.21	100	Brown	Yellow	Medium	N/A	M6005,M6016	7
Q1982-03MSD	TP-3MSD	N/A	2.18	100	Brown	Yellow	Medium	N/A	M6005,M6016	8
Q1982-03DUP	TP-3DUP	N/A	2.29	100	Brown	Yellow	Medium	N/A	N/A	6
Q1982-04	TP-4	N/A	2.23	100	Brown	Yellow	Medium	N/A	N/A	9
Q1982-05	TP-5	N/A	2.22	100	Brown	Yellow	Medium	N/A	N/A	10
Q1982-06	TP-6	N/A	2.18	100	Brown	Yellow	Medium	N/A	N/A	11
Q1982-07	TP-7	N/A	2.33	100	Brown	Yellow	Medium	N/A	N/A	12
Q1982-08	TP-8	N/A	2.13	100	Brown	Yellow	Medium	N/A	N/A	13
Q1986-01	COMP-8	N/A	2.18	100	Brown	Yellow	Medium	N/A	N/A	14
Q1986-03	COMP-9	N/A	2.24	100	Brown	Yellow	Medium	N/A	N/A	15
Q1986-05	COMP-10	N/A	2.39	100	Brown	Yellow	Medium	N/A	N/A	16
Q1986-07	COMP-11	N/A	2.21	100	Brown	Yellow	Medium	N/A	N/A	17
Q1986-09	COMP-218	N/A	2.28	100	Brown	Yellow	Medium	N/A	N/A	18

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB167937

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: 05/09/2025 **Time :** 16:05 **Temp :** 95 °C

End Digest Date: 05/09/2025 **Time :** 16:35 **Temp :** 94 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: MB

Supervisor Signature: M

Temp : 1. 95°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP85632
CCV	30mL	MP85634
CRA	30mL	MP85636
Blank Spike	0.48mL	MP85625
Matrix Spike	0.48mL	MP85625

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5mL	MP85638
KMnO4 (5%)	4.5mL	MP85241
Hydroxylamine HCL (12%)	2.0mL	MP85243
PTFE Boiling Stones	----------	M4583
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP85626
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP85627
2.5 ppb	S2.5	30mL	MP85628
5.0 ppb	S5.0	30mL	MP85629
7.5 ppb	S7.5	30mL	MP85630
10.0 ppb	S10.0	30mL	MP85631
ICV	ICV	30mL	MP85632
ICB	ICB	30mL	MP85633
CCV	CCV	30mL	MP85634
CCB	CCB	30mL	MP85635
CRI	CRI	30mL	MP85636
CHK STD	CHK STD	30mL	MP85637

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/9/25 @ 17:10	MB - DIG. LAB	MB - METAL LAB
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB167937

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
PB167937BL	PBS937	0.55	35	NA	N/A	3-1
PB167937BS	LCS937	0.53	35	NA	MP85625	2
Q1982-01	TP-1	0.51	35	NA	N/A	3
Q1982-02	TP-2B	0.53	35	NA	N/A	4
Q1982-03	TP-3	0.54	35	NA	N/A	5
Q1982-04	TP-4	0.58	35	NA	N/A	6
Q1982-05	TP-5	0.58	35	NA	N/A	7
Q1982-06	TP-6	0.58	35	NA	N/A	8
Q1982-07	TP-7	0.55	35	NA	N/A	9
Q1982-08	TP-8	0.57	35	NA	N/A	10
Q1983-01	OR-636-COMP-01	0.56	35	NA	N/A	11
Q1983-01DUP	OR-636-COMP-01DUP	0.57	35	NA	N/A	12
Q1983-01MS	OR-636-COMP-01MS	0.55	35	NA	MP85625	13
Q1983-01MSD	OR-636-COMP-01MSD	0.58	35	NA	MP85625	14
Q1983-07	OR-636-COMP-02	0.55	35	NA	N/A	15
Q1983-13	OR-636-COMP-03	0.54	35	NA	N/A	16
Q1983-19	OR-636-COMP-04	0.53	35	NA	N/A	17
Q1983-25	OR-636-COMP-05	0.58	35	NA	N/A	18
Q1983-31	OR-636-COMP-06	0.52	35	NA	N/A	19
Q1983-37	OR-636-COMP-07	0.59	35	NA	N/A	20
Q1983-43	OR-636-COMP-08	0.57	35	NA	N/A	21
Q1983-49	OR-636-COMP-09	0.56	35	NA	N/A	22

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. Q1982
COC Number 2047009

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: 7322257851

CLIENT PROJECT INFORMATION

PROJECT NAME: SOUTH RIVER WM REPLACEMENT
PROJECT NO.: 302781 LOCATION: SOUTH RIVER
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. TAL METALS
4. PCBs
5. PESTICIDE
6. HERBICIDE
7. DRO/GRO
8.
9.

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1.	TP-1	SOIL		X	5/6/25	0837	6	X	X	X	X	X	X	X			E
2.	TP-2B	SOIL		X	5/6/25	1116	6	X	X	X	X	X	X	X			E
3.	TP-3	SOIL		X	5/6/25	1310	6	X	X	X	X	X	X	X			E
4.	TP-4	SOIL		X	5/7/25	0815	6	X	X	X	X	X	X	X			E
5.	TP-5	SOIL		X	5/7/25	1047	6	X	X	X	X	X	X	X			E
6.	TP-6	SOIL		X	5/7/25	1150	6	X	X	X	X	X	X	X			E
7.	TP-8	SOIL		X	5/7/25	1245	6	X	X	X	X	X	X	X			E
8.	TP-9	SOIL		X	5/7/25	1330	6	X	X	X	X	X	X	X			E
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME	RECEIVED BY:	DATE/TIME
1.	5/7/25 1455	1.	1455 5-7-25
2.		2.	
3.	DATE/TIME: 1600 5.7.25	3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
Comments: Temp 3.1°C CAdjustment Factor +1 DIR Gun #1

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

Chemtech 2024

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

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

Laboratory Certification

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1982 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 5/7/2025 3:20:42 PM
Project Name : South River WM Replacem
Receive DateTime : 5/7/2025 ~~12:00:00 AM~~ 16:02
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
Q1982-01	TP-1	Solid	~~05/07/2025~~ 05/06/2025	08:37	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1982-02	TP-2B	Solid	~~05/07/2025~~ 05/06/2025	11:16	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1982-03	TP-3	Solid	~~05/07/2025~~ 05/06/2025	13:10	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1982-04	TP-4	Solid	05/07/2025	08:15	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1982-05	TP-5	Solid	05/07/2025	10:47	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1982-06	TP-6	Solid	05/07/2025	11:50	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1982-07	~~TP-7~~ TP-8	Solid	05/07/2025	12:45	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1982-08	~~TP-8~~ TP-9	Solid	05/07/2025	13:30					

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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 :
Date / Time : 5/8/25 0850

Received By : Sam
Date / Time : 05/08/25 08:50

Storage Area : VOA Refridgerator Room

R246
D22