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

ANALYTICAL RESULTS SUMMARY

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 : Q2010

ATTENTION : Marcie Ann Encinas

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q2010

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number	Client Sample Number
Q2010-01	TP-10
Q2010-02	TP-13
Q2010-03	TP-14
Q2010-04	TP-17

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

Signature : _____ Date: 5/20/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q2010
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 05/09/2025.

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_D were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by SUPELCO, K (VOACARB 3000) , TEKMAR LSC-2000 Concentrator.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 %RSD is greater than 20% in the Initial Calibration method (82D050625S.M) for Dichlorodifluoromethane, Chloromethane and Methylene Chloride are passing on Linear Regression While, Acetone is passing on Quadratic Regression.

The Continuous Calibration File ID VD080317.D met the requirements except for Dibromochloromethane,m/p-Xylenes and Styrene,are failing high but no positive hit in associate samples therefore no corrective action taken and Acetone is Failing high but Associated sample having hit below CRQL, therefore no corrective action taken.

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The Tuning criteria met requirements.

E. Additional Comments:
The Sample TP-10 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

Trip Blank was not provided with this set of samples.

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

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

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

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CASE NARRATIVE

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q2010
Test Name: Gasoline Range Organics

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 05/09/2025.

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

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

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

Sample TP-13 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:
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 # Q2010
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 05/09/2025.

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

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um dfThe samples were analyzed on instrument BNA_P using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3541.

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

The Blank Spike for {PB167973BS} with File ID: BP024636.D met requirements for all samples except for Pentachlorophenol[106%] . Recovery is failing high side and associated samples do not have hit for this compound, therefore no further corrective action was required.

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.

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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 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 . Associated samples do not have hit for these compounds, therefore no further corrective action 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.
The soil samples results are based on a dry weight basis.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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

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

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CASE NARRATIVE

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q2010
Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 05/09/2025.

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:
sample # TP-10 was reported with J flag on form 1 for com#10 based on reporting criteria of highconcentration from both column. Now for other column compound detection is below MDL therefore it is not detecting on form 10

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

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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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CASE NARRATIVE

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q2010
Test Name: PCB

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 05/09/2025.

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

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

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS 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:
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 # Q2010
Test Name: Herbicide

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 05/09/2025.

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 {Q2007-07MS} with File ID: PS030185.D recoveries met the requirements for all compounds except for Dinoseb[0%] due to matrix interference.

The MSD {Q2007-07MSD} with File ID: PS030186.D recoveries met the acceptable requirements except for Dinoseb[0%] due to matrix interference.

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

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

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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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CASE NARRATIVE

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q2010
Test Name: Diesel Range Organics

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 05/09/2025.

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:

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 # Q2010
Test Name: Mercury,Metals ICP-TAL

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 05/09/2025.

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 (MH-JDUP) analysis met criteria for all samples except for Calcium due to sample matrix interference.
The Matrix Spike (MH-JMS) analysis met criteria for all samples except for Antimony due to Chemical Interference during Digestion Process.
The Matrix Spike Duplicate (MH-JMSD) analysis met criteria for all samples except for Antimony and Sodium due to Chemical Interference during Digestion Process.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:

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Signature_____

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Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- INORGANIC

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

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

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DATA REPORTING QUALIFIERS- ORGANIC

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

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2010

	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:** 05/20/2025

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Hit Summary Sheet
SW-846

SDG No.: Q2010

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**TP-14**							
Q2010-03	TP-14	SOIL	Acetone	10.8	J	4.10	21.6	ug/Kg
			Total Voc :	10.8				
			Total Concentration:	10.8				
Client ID:	**TP-17**							
Q2010-04	TP-17	SOIL	Acetone	21.2		3.90	20.6	ug/Kg
Q2010-04	TP-17	SOIL	Methylcyclohexane	0.83	J	0.75	4.10	ug/Kg
Q2010-04	TP-17	SOIL	Benzene	6.90		0.65	4.10	ug/Kg
			Total Voc :	28.9				
			Total Concentration:	28.9				

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:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-10	SDG No.:	Q2010
Lab Sample ID:	Q2010-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.3
Sample Wt/Vol:	7.33 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080330.D	1		05/14/25 18:50	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.83	U	0.83	3.70	ug/Kg
74-87-3	Chloromethane	0.83	U	0.83	3.70	ug/Kg
75-01-4	Vinyl Chloride	0.58	U	0.58	3.70	ug/Kg
74-83-9	Bromomethane	0.78	U	0.78	3.70	ug/Kg
75-00-3	Chloroethane	0.92	U	0.92	3.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.88	U	0.88	3.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.77	U	0.77	3.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.73	U	0.73	3.70	ug/Kg
67-64-1	Acetone	3.50	U	3.50	18.3	ug/Kg
75-15-0	Carbon Disulfide	0.77	U	0.77	3.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.53	U	0.53	3.70	ug/Kg
79-20-9	Methyl Acetate	1.10	U	1.10	3.70	ug/Kg
75-09-2	Methylene Chloride	2.60	U	2.60	7.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.63	U	0.63	3.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.58	U	0.58	3.70	ug/Kg
110-82-7	Cyclohexane	0.58	U	0.58	3.70	ug/Kg
78-93-3	2-Butanone	4.80	U	4.80	18.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.71	U	0.71	3.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.55	U	0.55	3.70	ug/Kg
74-97-5	Bromochloromethane	0.84	U	0.84	3.70	ug/Kg
67-66-3	Chloroform	0.61	U	0.61	3.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.68	U	0.68	3.70	ug/Kg
108-87-2	Methylcyclohexane	0.67	U	0.67	3.70	ug/Kg
71-43-2	Benzene	0.58	U	0.58	3.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.58	U	0.58	3.70	ug/Kg
79-01-6	Trichloroethene	0.59	U	0.59	3.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.67	U	0.67	3.70	ug/Kg
75-27-4	Bromodichloromethane	0.57	U	0.57	3.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.60	U	2.60	18.3	ug/Kg
108-88-3	Toluene	0.57	U	0.57	3.70	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-10	SDG No.:	Q2010
Lab Sample ID:	Q2010-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.3
Sample Wt/Vol:	7.33 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080330.D	1		05/14/25 18:50	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.48	U	0.48	3.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	3.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.67	U	0.67	3.70	ug/Kg
591-78-6	2-Hexanone	2.70	U	2.70	18.3	ug/Kg
124-48-1	Dibromochloromethane	0.64	U	0.64	3.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.64	U	0.64	3.70	ug/Kg
127-18-4	Tetrachloroethene	0.77	U	0.77	3.70	ug/Kg
108-90-7	Chlorobenzene	0.67	U	0.67	3.70	ug/Kg
100-41-4	Ethyl Benzene	0.49	U	0.49	3.70	ug/Kg
179601-23-1	m/p-Xylenes	0.91	U	0.91	7.30	ug/Kg
95-47-6	o-Xylene	0.60	U	0.60	3.70	ug/Kg
100-42-5	Styrene	0.52	U	0.52	3.70	ug/Kg
75-25-2	Bromoform	0.63	U	0.63	3.70	ug/Kg
98-82-8	Isopropylbenzene	0.57	U	0.57	3.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.88	U	0.88	3.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.30	U	1.30	3.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.10	U	1.10	3.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	3.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.20	U	2.20	3.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.30	U	2.30	3.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	69.7		63 - 155	139%	SPK: 50
1868-53-7	Dibromofluoromethane	60.4		70 - 134	121%	SPK: 50
2037-26-5	Toluene-d8	52.5		74 - 123	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.9		38 - 136	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	68300	7.876			
540-36-3	1,4-Difluorobenzene	175000	8.776			
3114-55-4	Chlorobenzene-d5	177000	11.582			
3855-82-1	1,4-Dichlorobenzene-d4	76600	13.517			

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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-10	SDG No.:	Q2010
Lab Sample ID:	Q2010-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.3
Sample Wt/Vol:	7.33 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080330.D	1		05/14/25 18:50	VD051425

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:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-13	SDG No.:	Q2010
Lab Sample ID:	Q2010-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.4
Sample Wt/Vol:	5.48 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080331.D	1		05/14/25 19:17	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.40	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.40	ug/Kg
75-01-4	Vinyl Chloride	0.85	U	0.85	5.40	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.40	ug/Kg
75-00-3	Chloroethane	1.40	U	1.40	5.40	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	5.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.40	ug/Kg
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.40	ug/Kg
67-64-1	Acetone	5.10	U	5.10	27.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.79	U	0.79	5.40	ug/Kg
79-20-9	Methyl Acetate	1.70	U	1.70	5.40	ug/Kg
75-09-2	Methylene Chloride	3.80	U	3.80	10.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.93	U	0.93	5.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.86	U	0.86	5.40	ug/Kg
110-82-7	Cyclohexane	0.85	U	0.85	5.40	ug/Kg
78-93-3	2-Butanone	7.10	U	7.10	27.0	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.81	U	0.81	5.40	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.40	ug/Kg
67-66-3	Chloroform	0.91	U	0.91	5.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.00	U	1.00	5.40	ug/Kg
108-87-2	Methylcyclohexane	0.98	U	0.98	5.40	ug/Kg
71-43-2	Benzene	0.85	U	0.85	5.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.85	U	0.85	5.40	ug/Kg
79-01-6	Trichloroethene	0.88	U	0.88	5.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.98	U	0.98	5.40	ug/Kg
75-27-4	Bromodichloromethane	0.84	U	0.84	5.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.90	U	3.90	27.0	ug/Kg
108-88-3	Toluene	0.84	U	0.84	5.40	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-13	SDG No.:	Q2010
Lab Sample ID:	Q2010-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.4
Sample Wt/Vol:	5.48 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080331.D	1		05/14/25 19:17	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.70	U	0.70	5.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.67	U	0.67	5.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.99	U	0.99	5.40	ug/Kg
591-78-6	2-Hexanone	4.00	U	4.00	27.0	ug/Kg
124-48-1	Dibromochloromethane	0.94	U	0.94	5.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.95	U	0.95	5.40	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.40	ug/Kg
108-90-7	Chlorobenzene	0.98	U	0.98	5.40	ug/Kg
100-41-4	Ethyl Benzene	0.72	U	0.72	5.40	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.8	ug/Kg
95-47-6	o-Xylene	0.89	U	0.89	5.40	ug/Kg
100-42-5	Styrene	0.77	U	0.77	5.40	ug/Kg
75-25-2	Bromoform	0.93	U	0.93	5.40	ug/Kg
98-82-8	Isopropylbenzene	0.84	U	0.84	5.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.80	5.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.70	U	1.70	5.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.60	U	1.60	5.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	2.00	5.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.20	U	3.20	5.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.40	U	3.40	5.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	72.5		63 - 155	145%	SPK: 50
1868-53-7	Dibromofluoromethane	59.4		70 - 134	119%	SPK: 50
2037-26-5	Toluene-d8	50.1		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.4		38 - 136	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	68000	7.876			
540-36-3	1,4-Difluorobenzene	175000	8.776			
3114-55-4	Chlorobenzene-d5	167000	11.582			
3855-82-1	1,4-Dichlorobenzene-d4	69300	13.517			

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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-13	SDG No.:	Q2010
Lab Sample ID:	Q2010-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.4
Sample Wt/Vol:	5.48 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080331.D	1		05/14/25 19:17	VD051425

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:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-14	SDG No.:	Q2010
Lab Sample ID:	Q2010-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.7
Sample Wt/Vol:	7.18 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
VY022291.D	1		05/16/25 15:15	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.98	U	0.98	4.30	ug/Kg
74-87-3	Chloromethane	0.98	U	0.98	4.30	ug/Kg
75-01-4	Vinyl Chloride	0.68	U	0.68	4.30	ug/Kg
74-83-9	Bromomethane	0.92	U	0.92	4.30	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.30	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.91	U	0.91	4.30	ug/Kg
75-35-4	1,1-Dichloroethene	0.86	U	0.86	4.30	ug/Kg
67-64-1	Acetone	10.8	J	4.10	21.6	ug/Kg
75-15-0	Carbon Disulfide	0.91	U	0.91	4.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.63	U	0.63	4.30	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.30	ug/Kg
75-09-2	Methylene Chloride	3.00	U	3.00	8.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.74	U	0.74	4.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.69	U	0.69	4.30	ug/Kg
110-82-7	Cyclohexane	0.68	U	0.68	4.30	ug/Kg
78-93-3	2-Butanone	5.60	U	5.60	21.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.84	U	0.84	4.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.65	U	0.65	4.30	ug/Kg
74-97-5	Bromochloromethane	0.99	U	0.99	4.30	ug/Kg
67-66-3	Chloroform	0.72	U	0.72	4.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.80	U	0.80	4.30	ug/Kg
108-87-2	Methylcyclohexane	0.79	U	0.79	4.30	ug/Kg
71-43-2	Benzene	0.68	U	0.68	4.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.68	U	0.68	4.30	ug/Kg
79-01-6	Trichloroethene	0.70	U	0.70	4.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.79	U	0.79	4.30	ug/Kg
75-27-4	Bromodichloromethane	0.67	U	0.67	4.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.10	U	3.10	21.6	ug/Kg
108-88-3	Toluene	0.67	U	0.67	4.30	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-14	SDG No.:	Q2010
Lab Sample ID:	Q2010-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.7
Sample Wt/Vol:	7.18 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
VY022291.D	1		05/16/25 15:15	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.56	U	0.56	4.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.54	U	0.54	4.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.79	U	0.79	4.30	ug/Kg
591-78-6	2-Hexanone	3.20	U	3.20	21.6	ug/Kg
124-48-1	Dibromochloromethane	0.75	U	0.75	4.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.76	U	0.76	4.30	ug/Kg
127-18-4	Tetrachloroethene	0.91	U	0.91	4.30	ug/Kg
108-90-7	Chlorobenzene	0.79	U	0.79	4.30	ug/Kg
100-41-4	Ethyl Benzene	0.58	U	0.58	4.30	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.60	ug/Kg
95-47-6	o-Xylene	0.71	U	0.71	4.30	ug/Kg
100-42-5	Styrene	0.61	U	0.61	4.30	ug/Kg
75-25-2	Bromoform	0.74	U	0.74	4.30	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	4.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.50	U	1.50	4.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.30	U	1.30	4.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	4.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.60	U	2.60	4.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.70	U	2.70	4.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.0		63 - 155	112%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	49.4		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.9		38 - 136	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	268000	7.707			
540-36-3	1,4-Difluorobenzene	485000	8.616			
3114-55-4	Chlorobenzene-d5	404000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	156000	13.347			

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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-14	SDG No.:	Q2010
Lab Sample ID:	Q2010-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.7
Sample Wt/Vol:	7.18 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
VY022291.D	1		05/16/25 15:15	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:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-17	SDG No.:	Q2010
Lab Sample ID:	Q2010-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	77.4
Sample Wt/Vol:	7.85 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022292.D	1		05/16/25 15:38	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.94	U	0.94	4.10	ug/Kg
74-87-3	Chloromethane	0.94	U	0.94	4.10	ug/Kg
75-01-4	Vinyl Chloride	0.65	U	0.65	4.10	ug/Kg
74-83-9	Bromomethane	0.88	U	0.88	4.10	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.87	U	0.87	4.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.82	U	0.82	4.10	ug/Kg
67-64-1	Acetone	21.2		3.90	20.6	ug/Kg
75-15-0	Carbon Disulfide	0.87	U	0.87	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.60	U	0.60	4.10	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.10	ug/Kg
75-09-2	Methylene Chloride	2.90	U	2.90	8.20	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.71	U	0.71	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.66	U	0.66	4.10	ug/Kg
110-82-7	Cyclohexane	0.65	U	0.65	4.10	ug/Kg
78-93-3	2-Butanone	5.40	U	5.40	20.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.80	U	0.80	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.62	U	0.62	4.10	ug/Kg
74-97-5	Bromochloromethane	0.95	U	0.95	4.10	ug/Kg
67-66-3	Chloroform	0.69	U	0.69	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.77	U	0.77	4.10	ug/Kg
108-87-2	Methylcyclohexane	0.83	J	0.75	4.10	ug/Kg
71-43-2	Benzene	6.90		0.65	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.65	U	0.65	4.10	ug/Kg
79-01-6	Trichloroethene	0.67	U	0.67	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.75	U	0.75	4.10	ug/Kg
75-27-4	Bromodichloromethane	0.64	U	0.64	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.90	U	2.90	20.6	ug/Kg
108-88-3	Toluene	0.64	U	0.64	4.10	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-17	SDG No.:	Q2010
Lab Sample ID:	Q2010-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	77.4
Sample Wt/Vol:	7.85 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022292.D	1		05/16/25 15:38	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.53	U	0.53	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.51	U	0.51	4.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.76	U	0.76	4.10	ug/Kg
591-78-6	2-Hexanone	3.00	U	3.00	20.6	ug/Kg
124-48-1	Dibromochloromethane	0.72	U	0.72	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.72	U	0.72	4.10	ug/Kg
127-18-4	Tetrachloroethene	0.86	U	0.86	4.10	ug/Kg
108-90-7	Chlorobenzene	0.75	U	0.75	4.10	ug/Kg
100-41-4	Ethyl Benzene	0.55	U	0.55	4.10	ug/Kg
179601-23-1	m/p-Xylenes	1.00	U	1.00	8.20	ug/Kg
95-47-6	o-Xylene	0.67	U	0.67	4.10	ug/Kg
100-42-5	Styrene	0.58	U	0.58	4.10	ug/Kg
75-25-2	Bromoform	0.71	U	0.71	4.10	ug/Kg
98-82-8	Isopropylbenzene	0.64	U	0.64	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.40	U	2.40	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.60	U	2.60	4.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.2		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	49.0		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.8		38 - 136	82%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	268000	7.707			
540-36-3	1,4-Difluorobenzene	484000	8.609			
3114-55-4	Chlorobenzene-d5	388000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.346			

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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-17	SDG No.:	Q2010
Lab Sample ID:	Q2010-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	77.4
Sample Wt/Vol:	7.85 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022292.D	1		05/16/25 15:38	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

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Surrogate Summary

SDG No.: Q2010

Client: CDM Smith

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2010-01	TP-10	1,2-Dichloroethane-d4	50	69.7	139	63	155
		Dibromofluoromethane	50	60.4	121	70	134
		Toluene-d8	50	52.5	105	74	123
		4-Bromofluorobenzene	50	44.9	90	38	136
Q2010-02	TP-13	1,2-Dichloroethane-d4	50	72.5	145	63	155
		Dibromofluoromethane	50	59.4	119	70	134
		Toluene-d8	50	50.1	100	74	123
		4-Bromofluorobenzene	50	42.4	85	38	136
Q2010-03	TP-14	1,2-Dichloroethane-d4	50	56.0	112	63	155
		Dibromofluoromethane	50	52.3	105	70	134
		Toluene-d8	50	49.4	99	74	123
		4-Bromofluorobenzene	50	42.9	86	38	136
Q2010-04	TP-17	1,2-Dichloroethane-d4	50	51.1	102	63	155
		Dibromofluoromethane	50	51.0	102	70	134
		Toluene-d8	50	49.0	98	74	123
		4-Bromofluorobenzene	50	40.8	82	38	136
VD0514SBL01	VD0514SBL01	1,2-Dichloroethane-d4	50	67.2	134	63	155
		Dibromofluoromethane	50	58.6	117	70	134
		Toluene-d8	50	50.8	102	74	123
		4-Bromofluorobenzene	50	44.8	90	38	136
VD0514SBS01	VD0514SBS01	1,2-Dichloroethane-d4	50	48.4	97	63	155
		Dibromofluoromethane	50	52.2	104	70	134
		Toluene-d8	50	50.9	102	74	123
		4-Bromofluorobenzene	50	49.5	99	38	136
VD0514SBSD01	VD0514SBSD01	1,2-Dichloroethane-d4	50	47.8	96	63	155
		Dibromofluoromethane	50	52.9	106	70	134
		Toluene-d8	50	51.2	102	74	123
		4-Bromofluorobenzene	50	51.6	103	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
		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.: Q2010

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VD080319.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VD0514SBS01	Dichlorodifluoromethane	20	26.3	ug/Kg	132			64	136	
	Chloromethane	20	19.6	ug/Kg	98			70	130	
	Vinyl chloride	20	19.9	ug/Kg	100			72	129	
	Bromomethane	20	20.5	ug/Kg	103			58	141	
	Chloroethane	20	20.5	ug/Kg	103			69	130	
	Trichlorofluoromethane	20	21.8	ug/Kg	109			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.5	ug/Kg	108			81	123	
	1,1-Dichloroethene	20	18.8	ug/Kg	94			79	121	
	Acetone	100	89.4	ug/Kg	89			60	131	
	Carbon disulfide	20	19.7	ug/Kg	99			45	154	
	Methyl tert-butyl Ether	20	18.8	ug/Kg	94			77	129	
	Methyl Acetate	20	18.4	ug/Kg	92			69	149	
	Methylene Chloride	20	21.2	ug/Kg	106			56	174	
	trans-1,2-Dichloroethene	20	19.9	ug/Kg	100			80	123	
	1,1-Dichloroethane	20	20.1	ug/Kg	101			82	123	
	Cyclohexane	20	17.6	ug/Kg	88			76	122	
	2-Butanone	100	89.5	ug/Kg	90			69	131	
	Carbon Tetrachloride	20	21.7	ug/Kg	109			76	129	
	cis-1,2-Dichloroethene	20	19.8	ug/Kg	99			82	123	
	Bromochloromethane	20	18.5	ug/Kg	93			80	127	
	Chloroform	20	20.8	ug/Kg	104			82	125	
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106			80	126	
	Methylcyclohexane	20	19.4	ug/Kg	97			77	123	
	Benzene	20	20.4	ug/Kg	102			84	121	
	1,2-Dichloroethane	20	20.4	ug/Kg	102			81	126	
	Trichloroethene	20	20.9	ug/Kg	104			83	122	
	1,2-Dichloropropane	20	20.2	ug/Kg	101			83	122	
	Bromodichloromethane	20	20.7	ug/Kg	104			82	123	
	4-Methyl-2-Pentanone	100	95.7	ug/Kg	96			70	135	
	Toluene	20	20.7	ug/Kg	104			83	122	
	t-1,3-Dichloropropene	20	20.3	ug/Kg	102			78	124	
	cis-1,3-Dichloropropene	20	20.1	ug/Kg	101			81	122	
	1,1,2-Trichloroethane	20	21.1	ug/Kg	106			82	125	
	2-Hexanone	100	91.1	ug/Kg	91			66	138	
	Dibromochloromethane	20	22.1	ug/Kg	111			79	125	
	1,2-Dibromoethane	20	21.4	ug/Kg	107			80	125	
	Tetrachloroethene	20	20.3	ug/Kg	102			83	125	
	Chlorobenzene	20	19.8	ug/Kg	99			84	122	
	Ethyl Benzene	20	19.1	ug/Kg	96			82	124	
	m/p-Xylenes	40	39.7	ug/Kg	99			83	124	
	o-Xylene	20	19.2	ug/Kg	96			83	123	
	Styrene	20	20.0	ug/Kg	100			82	124	
	Bromoform	20	21.0	ug/Kg	105			75	127	
	Isopropylbenzene	20	17.7	ug/Kg	89			82	124	
	1,1,2,2-Tetrachloroethane	20	19.6	ug/Kg	98			77	127	
	1,3-Dichlorobenzene	20	18.7	ug/Kg	94			83	122	
	1,4-Dichlorobenzene	20	18.6	ug/Kg	93			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.: Q2010

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VD080319.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VD0514SBS01	1,2-Dibromo-3-Chloropropane	20	18.0	ug/Kg	90			66	134	
	1,2,4-Trichlorobenzene	20	17.6	ug/Kg	88			78	127	
	1,2,3-Trichlorobenzene	20	18.4	ug/Kg	92			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2010

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VD080320.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VD0514SBSD01	Dichlorodifluoromethane	20	26.0	ug/Kg	130	2		64	136	20
	Chloromethane	20	20.4	ug/Kg	102	4		70	130	20
	Vinyl chloride	20	20.7	ug/Kg	104	4		72	129	20
	Bromomethane	20	20.1	ug/Kg	101	2		58	141	20
	Chloroethane	20	21.0	ug/Kg	105	2		69	130	20
	Trichlorofluoromethane	20	21.3	ug/Kg	106	3		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	19.4	ug/Kg	97	11		81	123	20
	1,1-Dichloroethene	20	19.3	ug/Kg	97	3		79	121	20
	Acetone	100	98.1	ug/Kg	98	10		60	131	20
	Carbon disulfide	20	19.6	ug/Kg	98	1		45	154	20
	Methyl tert-butyl Ether	20	19.0	ug/Kg	95	1		77	129	20
	Methyl Acetate	20	21.2	ug/Kg	106	14		69	149	20
	Methylene Chloride	20	21.5	ug/Kg	108	2		56	174	20
	trans-1,2-Dichloroethene	20	19.1	ug/Kg	96	4		80	123	20
	1,1-Dichloroethane	20	19.8	ug/Kg	99	2		82	123	20
	Cyclohexane	20	17.8	ug/Kg	89	1		76	122	20
	2-Butanone	100	90.6	ug/Kg	91	1		69	131	20
	Carbon Tetrachloride	20	21.2	ug/Kg	106	3		76	129	20
	cis-1,2-Dichloroethene	20	19.5	ug/Kg	98	1		82	123	20
	Bromochloromethane	20	19.5	ug/Kg	98	5		80	127	20
	Chloroform	20	20.4	ug/Kg	102	2		82	125	20
	1,1,1-Trichloroethane	20	20.1	ug/Kg	101	5		80	126	20
	Methylcyclohexane	20	18.2	ug/Kg	91	6		77	123	20
	Benzene	20	20.5	ug/Kg	103	1		84	121	20
	1,2-Dichloroethane	20	21.6	ug/Kg	108	6		81	126	20
	Trichloroethene	20	21.2	ug/Kg	106	2		83	122	20
	1,2-Dichloropropane	20	21.4	ug/Kg	107	6		83	122	20
	Bromodichloromethane	20	21.4	ug/Kg	107	3		82	123	20
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	4		70	135	20
	Toluene	20	20.8	ug/Kg	104	0		83	122	20
	t-1,3-Dichloropropene	20	20.1	ug/Kg	101	1		78	124	20
	cis-1,3-Dichloropropene	20	20.0	ug/Kg	100	1		81	122	20
	1,1,2-Trichloroethane	20	21.7	ug/Kg	109	3		82	125	20
	2-Hexanone	100	96.4	ug/Kg	96	5		66	138	20
	Dibromochloromethane	20	22.6	ug/Kg	113	2		79	125	20
	1,2-Dibromoethane	20	21.3	ug/Kg	106	1		80	125	20
	Tetrachloroethene	20	19.6	ug/Kg	98	4		83	125	20
	Chlorobenzene	20	19.7	ug/Kg	99	0		84	122	20
	Ethyl Benzene	20	19.3	ug/Kg	97	1		82	124	20
	m/p-Xylenes	40	39.0	ug/Kg	98	1		83	124	20
	o-Xylene	20	19.2	ug/Kg	96	0		83	123	20
	Styrene	20	19.6	ug/Kg	98	2		82	124	20
	Bromoform	20	21.1	ug/Kg	106	1		75	127	20
	Isopropylbenzene	20	18.0	ug/Kg	90	1		82	124	20
	1,1,2,2-Tetrachloroethane	20	19.7	ug/Kg	99	1		77	127	20
	1,3-Dichlorobenzene	20	19.9	ug/Kg	100	6		83	122	20
	1,4-Dichlorobenzene	20	19.6	ug/Kg	98	5		84	121	20
	1,2-Dichlorobenzene	20	19.8	ug/Kg	99	0		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2010

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VD080320.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VD0514SBSD01	1,2-Dibromo-3-Chloropropane	20	20.9	ug/Kg	104	14		66	134	20
	1,2,4-Trichlorobenzene	20	18.5	ug/Kg	93	6		78	127	20
	1,2,3-Trichlorobenzene	20	18.5	ug/Kg	93	1		70	137	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2010

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.: Q2010

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.

VD0514SBL01

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Lab File ID: VD080318.D Lab Sample ID: VD0514SBL01

Date Analyzed: 05/14/2025 Time Analyzed: 12:59

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_D

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VD0514SBS01	VD0514SBS01	VD080319.D	05/14/2025
VD0514SBSD01	VD0514SBSD01	VD080320.D	05/14/2025
TP-10	Q2010-01	VD080330.D	05/14/2025
TP-13	Q2010-02	VD080331.D	05/14/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0516SBL01

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

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-14	Q2010-03	VY022291.D	05/16/2025
TP-17	Q2010-04	VY022292.D	05/16/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Lab File ID: VD080289.D BFB Injection Date: 05/06/2025

Instrument ID: MSVOA_D BFB Injection Time: 09:57

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	49.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.7 (0.8) 1
174	50.0 - 100.0% of mass 95	89.6
175	5.0 - 9.0% of mass 174	6.4 (7.2) 1
176	95.0 - 101.0% of mass 174	86 (96) 1
177	5.0 - 9.0% of mass 176	6.1 (7.1) 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	VD080290.D	05/06/2025	13:33
VSTDICC010	VSTDICC010	VD080291.D	05/06/2025	13:55
VSTDICC020	VSTDICC020	VD080292.D	05/06/2025	14:23
VSTDICCC050	VSTDICCC050	VD080293.D	05/06/2025	14:51
VSTDICC100	VSTDICC100	VD080294.D	05/06/2025	15:19
VSTDICC150	VSTDICC150	VD080295.D	05/06/2025	15:47

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Lab File ID: VD080316.D BFB Injection Date: 05/14/2025

Instrument ID: MSVOA_D BFB Injection Time: 10:44

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20
75	30.0 - 60.0% of mass 95	52.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	1.6 (1.7) 1
174	50.0 - 100.0% of mass 95	95.3
175	5.0 - 9.0% of mass 174	7.7 (8) 1
176	95.0 - 101.0% of mass 174	90.8 (95.3) 1
177	5.0 - 9.0% of mass 176	6.6 (7.3) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VD080317.D	05/14/2025	12:25
VD0514SBL01	VD0514SBL01	VD080318.D	05/14/2025	12:59
VD0514SBS01	VD0514SBS01	VD080319.D	05/14/2025	13:29
VD0514SBSD01	VD0514SBSD01	VD080320.D	05/14/2025	13:57
TP-10	Q2010-01	VD080330.D	05/14/2025	18:50
TP-13	Q2010-02	VD080331.D	05/14/2025	19:17

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

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

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

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-14	Q2010-03	VY022291.D	05/16/2025	15:15
TP-17	Q2010-04	VY022292.D	05/16/2025	15:38

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Lab File ID: VD080317.D Date Analyzed: 05/14/2025

Instrument ID: MSVOA_D Time Analyzed: 12:25

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	122311	7.88	190669	8.78	180076	11.58
UPPER LIMIT	244622	8.376	381338	9.276	360152	12.082
LOWER LIMIT	61155.5	7.376	95334.5	8.276	90038	11.082
EPA SAMPLE NO.						
TP-10	68271	7.88	175457	8.78	176652	11.58
TP-13	68027	7.88	175314	8.78	166929	11.58
VD0514SBL01	76535	7.88	201385	8.78	193499	11.58
VD0514SBS01	107481	7.88	177282	8.78	170015	11.58
VD0514SBSD01	108123	7.88	175447	8.78	170138	11.58

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.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Lab File ID: VD080317.D Date Analyzed: 05/14/2025

Instrument ID: MSVOA_D Time Analyzed: 12:25

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	99603	13.517				
UPPER LIMIT	199206	14.017				
LOWER LIMIT	49801.5	13.017				
EPA SAMPLE NO.						
TP-10	76572	13.52				
TP-13	69324	13.52				
VD0514SBL01	87202	13.52				
VD0514SBS01	97541	13.52				
VD0514SBSD01	94201	13.52				

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.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

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-14	268422	7.71	485395	8.62	403756	11.41
TP-17	268322	7.71	484104	8.61	388336	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.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

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-14	155516	13.35				
TP-17	145207	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
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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VD0514SBL01	SDG No.:	Q2010
Lab Sample ID:	VD0514SBL01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080318.D	1		05/14/25 12:59	VD051425

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:	VD0514SBL01	SDG No.:	Q2010
Lab Sample ID:	VD0514SBL01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080318.D	1		05/14/25 12:59	VD051425

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	67.2		63 - 155	134%	SPK: 50
1868-53-7	Dibromofluoromethane	58.6		70 - 134	117%	SPK: 50
2037-26-5	Toluene-d8	50.8		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.8		38 - 136	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	76500	7.876			
540-36-3	1,4-Difluorobenzene	201000	8.776			
3114-55-4	Chlorobenzene-d5	193000	11.582			
3855-82-1	1,4-Dichlorobenzene-d4	87200	13.517			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VD0514SBL01	SDG No.:	Q2010
Lab Sample ID:	VD0514SBL01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080318.D	1		05/14/25 12:59	VD051425

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.:	Q2010
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.:	Q2010
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.:	Q2010
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:	VD0514SBS01	SDG No.:	Q2010
Lab Sample ID:	VD0514SBS01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080319.D	1		05/14/25 13:29	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	26.3		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.6		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.9		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.5		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.5		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.8		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.5		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	18.8		1.00	5.00	ug/Kg
67-64-1	Acetone	89.4		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.7		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.8		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	18.4		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	21.2		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.9		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.1		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	17.6		0.79	5.00	ug/Kg
78-93-3	2-Butanone	89.5		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.7		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.8		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	18.5		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.8		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.2		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.4		0.91	5.00	ug/Kg
71-43-2	Benzene	20.4		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.4		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.9		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.2		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.7		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	95.7		3.60	25.0	ug/Kg
108-88-3	Toluene	20.7		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:	VD0514SBS01	SDG No.:	Q2010
Lab Sample ID:	VD0514SBS01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080319.D	1		05/14/25 13:29	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.3		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.1		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.1		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	91.1		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	22.1		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.4		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.3		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.8		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.1		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.7		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.2		0.82	5.00	ug/Kg
100-42-5	Styrene	20.0		0.71	5.00	ug/Kg
75-25-2	Bromoform	21.0		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	17.7		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.6		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	18.7		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	18.6		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	18.0		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	17.6		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.4		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		63 - 155	97%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	50.9		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		38 - 136	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	107000	7.876			
540-36-3	1,4-Difluorobenzene	177000	8.776			
3114-55-4	Chlorobenzene-d5	170000	11.576			
3855-82-1	1,4-Dichlorobenzene-d4	97500	13.517			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VD0514SBS01	SDG No.:	Q2010
Lab Sample ID:	VD0514SBS01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080319.D	1		05/14/25 13:29	VD051425

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.:	Q2010
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.:	Q2010
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.:	Q2010
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:	VD0514SBSD01	SDG No.:	Q2010
Lab Sample ID:	VD0514SBSD01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080320.D	1		05/14/25 13:57	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	26.0		1.10	5.00	ug/Kg
74-87-3	Chloromethane	20.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.7		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.1		1.10	5.00	ug/Kg
75-00-3	Chloroethane	21.0		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.3		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.4		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.3		1.00	5.00	ug/Kg
67-64-1	Acetone	98.1		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.6		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.0		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	21.2		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	21.5		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.1		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.8		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	17.8		0.79	5.00	ug/Kg
78-93-3	2-Butanone	90.6		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.2		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.5		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.5		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.4		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	18.2		0.91	5.00	ug/Kg
71-43-2	Benzene	20.5		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.6		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.2		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.4		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.4		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	20.8		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:	VD0514SBSD01	SDG No.:	Q2010
Lab Sample ID:	VD0514SBSD01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080320.D	1		05/14/25 13:57	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.1		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.0		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.7		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	96.4		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	22.6		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.3		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.6		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.7		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.3		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.0		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.2		0.82	5.00	ug/Kg
100-42-5	Styrene	19.6		0.71	5.00	ug/Kg
75-25-2	Bromoform	21.1		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	18.0		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.7		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.9		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.6		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.8		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.9		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.5		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.5		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.8		63 - 155	96%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		70 - 134	106%	SPK: 50
2037-26-5	Toluene-d8	51.2		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		38 - 136	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	108000	7.876			
540-36-3	1,4-Difluorobenzene	175000	8.776			
3114-55-4	Chlorobenzene-d5	170000	11.582			
3855-82-1	1,4-Dichlorobenzene-d4	94200	13.517			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VD0514SBSD01	SDG No.:	Q2010
Lab Sample ID:	VD0514SBSD01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080320.D	1		05/14/25 13:57	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG No.: Q2010

Instrument ID: MSVOA_D Calibration Date(s): 05/06/2025 05/06/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:33 15:47

GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID: RRF005 = VD080290.D RRF010 = VD080291.D RRF020 = VD080292.D
RRF050 = VD080293.D RRF100 = VD080294.D RRF150 = VD080295.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.732	0.664	0.648	0.388	0.418	0.406	0.543	28.5
Chloromethane	1.499	1.184	1.124	0.803	0.825	0.802	1.039	27.1
Vinyl Chloride	1.664	1.460	1.398	1.065	1.111	1.101	1.300	18.8
Bromomethane	1.188	0.914	1.047	0.732	0.837	0.895	0.936	17.2
Chloroethane	1.103	0.992	1.005	0.776	0.827	0.812	0.919	14.4
Trichlorofluoromethane	1.252	1.072	1.052	0.846	0.892	0.866	0.997	15.8
1,1,2-Trichlorotrifluoroethane	0.797	0.659	0.635	0.524	0.537	0.533	0.614	17.3
1,1-Dichloroethene	0.775	0.620	0.620	0.514	0.549	0.554	0.605	15.4
Acetone	0.181	0.122	0.110	0.097	0.100	0.102	0.119	27
Carbon Disulfide	2.743	2.221	2.214	1.751	1.850	1.835	2.102	17.7
Methyl tert-butyl Ether	1.396	1.161	1.333	1.247	1.405	1.438	1.330	8.1
Methyl Acetate	0.506	0.453	0.401	0.349	0.392	0.409	0.418	13
Methylene Chloride	1.259	0.906	0.802	0.657	0.666	0.657	0.825	28.5
trans-1,2-Dichloroethene	0.818	0.627	0.664	0.584	0.629	0.625	0.658	12.5
1,1-Dichloroethane	1.445	1.287	1.247	1.102	1.160	1.165	1.234	9.9
Cyclohexane	1.309	1.043	1.046	0.919	0.990	0.995	1.050	12.8
2-Butanone	0.204	0.164	0.175	0.167	0.176	0.182	0.178	8.1
Carbon Tetrachloride	0.527	0.532	0.559	0.492	0.513	0.512	0.522	4.3
cis-1,2-Dichloroethene	0.798	0.705	0.726	0.663	0.738	0.742	0.729	6.1
Bromochloromethane	0.699	0.600	0.578	0.537	0.524	0.510	0.575	12.2
Chloroform	1.450	1.234	1.268	1.107	1.163	1.162	1.231	9.9
1,1,1-Trichloroethane	1.148	1.022	1.030	0.898	0.959	0.968	1.004	8.5
Methylcyclohexane	0.561	0.532	0.577	0.544	0.636	0.638	0.581	7.9
Benzene	1.653	1.479	1.609	1.462	1.611	1.602	1.569	5
1,2-Dichloroethane	0.489	0.448	0.482	0.422	0.450	0.438	0.455	5.7
Trichloroethene	0.388	0.353	0.378	0.334	0.368	0.365	0.364	5.3
1,2-Dichloropropane	0.404	0.391	0.416	0.386	0.412	0.407	0.402	3
Bromodichloromethane	0.576	0.542	0.563	0.528	0.568	0.560	0.556	3.2
4-Methyl-2-Pentanone	0.211	0.204	0.257	0.248	0.273	0.276	0.245	12.6
Toluene	0.880	0.863	0.961	0.918	1.031	1.020	0.945	7.5

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG No.: Q2010

Instrument ID: MSVOA_D Calibration Date(s): 05/06/2025 05/06/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:33 15:47

GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID: RRF005 = VD080290.D RRF010 = VD080291.D RRF020 = VD080292.D
RRF050 = VD080293.D RRF100 = VD080294.D RRF150 = VD080295.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.498	0.458	0.509	0.488	0.541	0.548	0.507	6.7
cis-1,3-Dichloropropene	0.566	0.528	0.602	0.573	0.630	0.628	0.588	6.8
1,1,2-Trichloroethane	0.295	0.281	0.296	0.285	0.294	0.289	0.290	2.1
2-Hexanone	0.155	0.139	0.168	0.170	0.189	0.189	0.168	11.7
Dibromochloromethane	0.353	0.338	0.379	0.354	0.380	0.376	0.363	4.8
1,2-Dibromoethane	0.270	0.244	0.293	0.252	0.279	0.275	0.269	6.8
Tetrachloroethene	0.360	0.339	0.352	0.316	0.331	0.334	0.339	4.6
Chlorobenzene	1.242	1.073	1.130	1.071	1.123	1.134	1.129	5.5
Ethyl Benzene	1.759	1.647	1.863	1.857	2.086	2.108	1.887	9.6
m/p-Xylenes	0.659	0.640	0.739	0.738	0.809	0.810	0.733	9.8
o-Xylene	0.603	0.600	0.649	0.665	0.743	0.757	0.669	10.1
Styrene	1.065	1.039	1.200	1.219	1.338	1.351	1.202	10.9
Bromoform	0.237	0.226	0.235	0.220	0.233	0.231	0.230	2.8
Isopropylbenzene	3.191	2.869	3.174	3.172	3.480	3.575	3.243	7.8
1,1,2,2-Tetrachloroethane	0.803	0.695	0.752	0.650	0.693	0.686	0.713	7.7
1,3-Dichlorobenzene	1.873	1.692	1.761	1.652	1.754	1.796	1.755	4.4
1,4-Dichlorobenzene	2.078	1.687	1.789	1.640	1.699	1.719	1.769	9
1,2-Dichlorobenzene	1.677	1.430	1.549	1.445	1.519	1.525	1.524	5.8
1,2-Dibromo-3-Chloropropane	0.123	0.126	0.113	0.106	0.105	0.108	0.114	7.9
1,2,4-Trichlorobenzene	1.137	0.827	0.914	0.915	0.972	0.985	0.959	10.8
1,2,3-Trichlorobenzene	0.980	0.750	0.826	0.824	0.884	0.881	0.857	9
1,2-Dichloroethane-d4	0.770	0.661	0.646	0.590	0.606	0.606	0.647	10.2
Dibromofluoromethane	0.339	0.320	0.340	0.334	0.337	0.339	0.335	2.3
Toluene-d8	1.242	1.231	1.299	1.330	1.409	1.412	1.320	6
4-Bromofluorobenzene	0.362	0.409	0.414	0.425	0.468	0.466	0.424	9.4

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

Alliance TECHNICAL GROUP
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.: Q2010 SAS No.: Q2010 SDG No.: Q2010

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.: Q2010 SAS No.: Q2010 SDG No.: Q2010

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.: Q2010 SAS No.: Q2010 SDG No.: Q2010

Instrument ID: MSVOA_D Calibration Date/Time: 05/14/2025 12:25

Lab File ID: VD080317.D Init. Calib. Date(s): 05/06/2025 05/06/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:33 15:47

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.543	0.436		-19.7	20
Chloromethane	1.039	0.814	0.1	-21.66	20
Vinyl Chloride	1.300	1.137		-12.54	20
Bromomethane	0.936	0.779		-16.77	20
Chloroethane	0.919	0.846		-7.94	20
Trichlorofluoromethane	0.997	1.006		0.9	20
1,1,2-Trichlorotrifluoroethane	0.614	0.614		0	20
1,1-Dichloroethene	0.605	0.601		-0.66	20
Acetone	0.119	0.127		6.72	20
Carbon Disulfide	2.102	1.931		-8.14	20
Methyl tert-butyl Ether	1.330	1.424		7.07	20
Methyl Acetate	0.418	0.354		-15.31	20
Methylene Chloride	0.825	0.727		-11.88	20
trans-1,2-Dichloroethene	0.658	0.677		2.89	20
1,1-Dichloroethane	1.234	1.235	0.1	0.08	20
Cyclohexane	1.050	1.017		-3.14	20
2-Butanone	0.178	0.179		0.56	20
Carbon Tetrachloride	0.522	0.606		16.09	20
cis-1,2-Dichloroethene	0.729	0.772		5.9	20
Bromochloromethane	0.575	0.481		-16.35	20
Chloroform	1.231	1.284		4.3	20
1,1,1-Trichloroethane	1.004	1.082		7.77	20
Methylcyclohexane	0.581	0.680		17.04	20
Benzene	1.569	1.746		11.28	20
1,2-Dichloroethane	0.455	0.494		8.57	20
Trichloroethene	0.364	0.417		14.56	20
1,2-Dichloropropane	0.402	0.459		14.18	20
Bromodichloromethane	0.556	0.625		12.41	20
4-Methyl-2-Pentanone	0.245	0.267		8.98	20
Toluene	0.945	1.116		18.09	20
t-1,3-Dichloropropene	0.507	0.565		11.44	20
cis-1,3-Dichloropropene	0.588	0.678		15.31	20
1,1,2-Trichloroethane	0.290	0.333		14.83	20
2-Hexanone	0.168	0.190		13.1	20
Dibromochloromethane	0.363	0.436		20.11	20
1,2-Dibromoethane	0.269	0.309		14.87	20
Tetrachloroethene	0.339	0.392		15.63	20
Chlorobenzene	1.129	1.250	0.3	10.72	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.: Q2010 SAS No.: Q2010 SDG No.: Q2010

Instrument ID: MSVOA_D Calibration Date/Time: 05/14/2025 12:25

Lab File ID: VD080317.D Init. Calib. Date(s): 05/06/2025 05/06/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:33 15:47

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.887	2.227		18.02	20
m/p-Xylenes	0.733	0.893		21.83	20
o-Xylene	0.669	0.794		18.68	20
Styrene	1.202	1.446		20.3	20
Bromoform	0.230	0.268	0.1	16.52	20
Isopropylbenzene	3.243	3.804		17.3	20
1,1,2,2-Tetrachloroethane	0.713	0.750	0.3	5.19	20
1,3-Dichlorobenzene	1.755	1.987		13.22	20
1,4-Dichlorobenzene	1.769	1.938		9.55	20
1,2-Dichlorobenzene	1.524	1.732		13.65	20
1,2-Dibromo-3-Chloropropane	0.114	0.120		5.26	20
1,2,4-Trichlorobenzene	0.959	1.090		13.66	20
1,2,3-Trichlorobenzene	0.857	0.960		12.02	20
1,2-Dichloroethane-d4	0.647	0.574		-11.28	20
Dibromofluoromethane	0.335	0.347		3.58	20
Toluene-d8	1.320	1.360		3.03	20
4-Bromofluorobenzene	0.424	0.439		3.54	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.: Q2010 SAS No.: Q2010 SDG No.: Q2010

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.: Q2010 SAS No.: Q2010 SDG No.: Q2010

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_D\Data\VD051425\
Data File : VD080330.D
Acq On : 14 May 2025 18:50
Operator : RP/MD
Sample : Q2010-01
Misc : 7.33G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-10

Quant Time: May 15 03:38:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

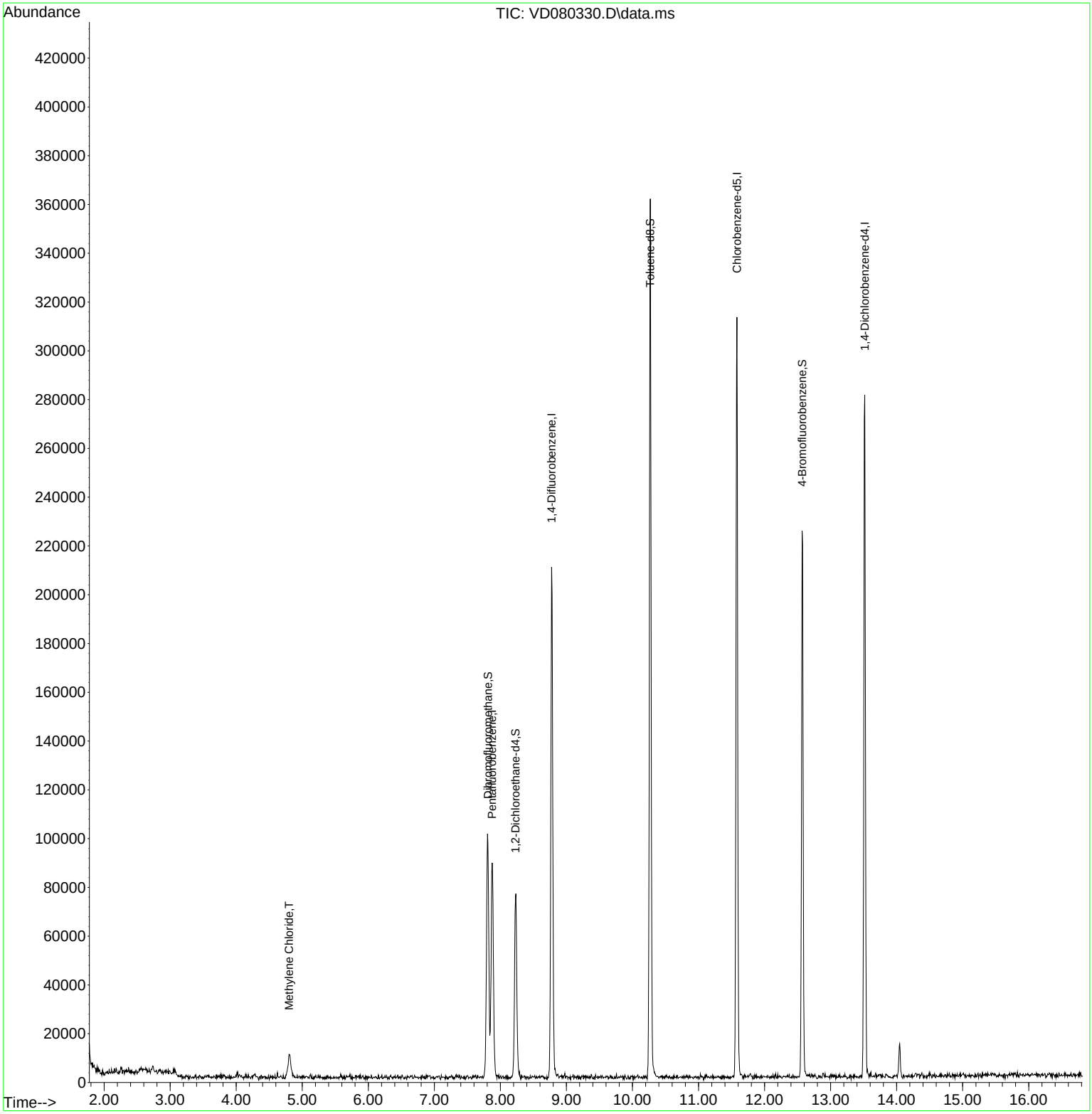
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.876	168	68271	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	175457	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	176652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	76572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	61521	69.684	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 139.360%			
35) Dibromofluoromethane	7.811	113	70976	60.355	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 120.700%			
50) Toluene-d8	10.270	98	243453	52.542	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.080%			
62) 4-Bromofluorobenzene	12.570	95	66832	44.938	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 89.880%			
Target Compounds						Qvalue
20) Methylene Chloride	4.800	84	6639	3.481	ug/l	93

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080330.D
Acq On : 14 May 2025 18:50
Operator : RP/MD
Sample : Q2010-01
Misc : 7.33G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

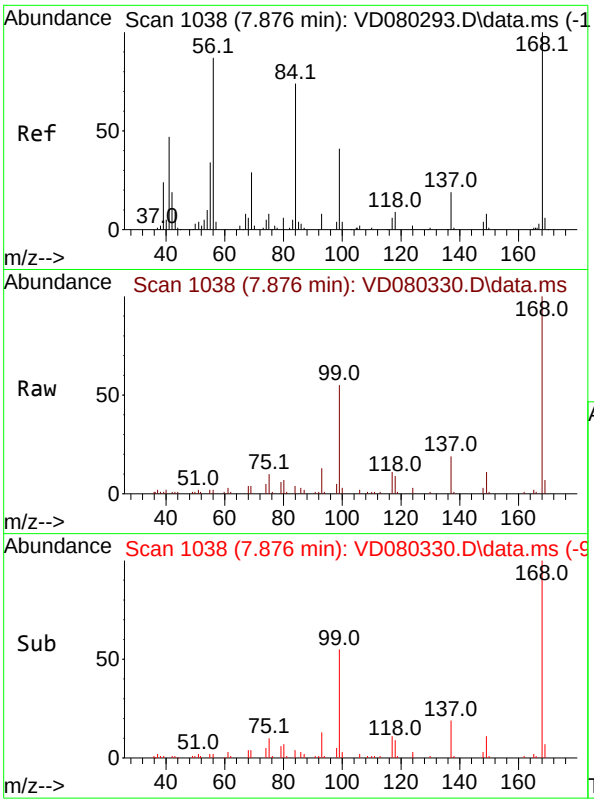
Instrument :
MSVOA_D
ClientSampleId :
TP-10

Quant Time: May 15 03:38:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration



5

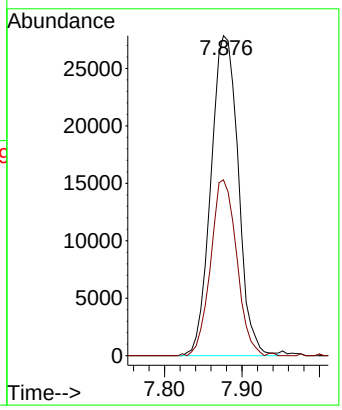
Instrument :
MSVOA_D
ClientSampleId :
TP-10

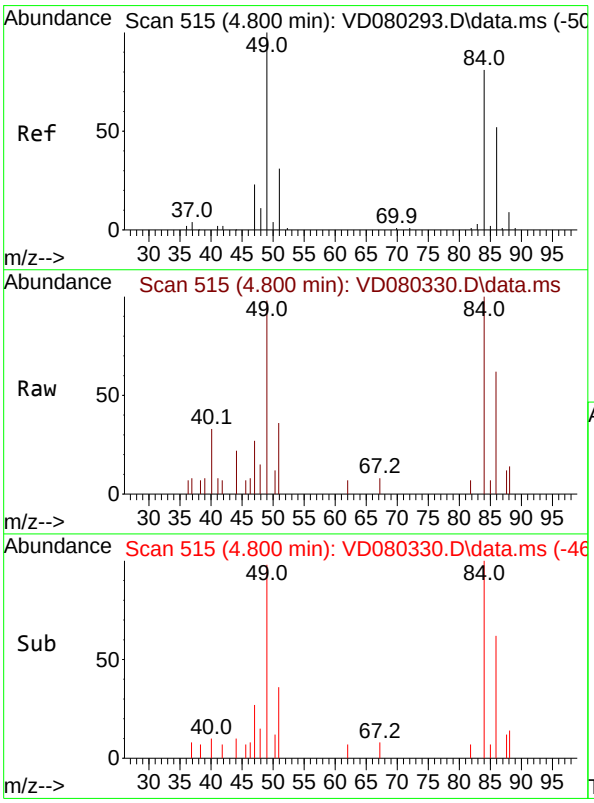


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

Tgt Ion:168 Resp: 68271

Ion	Ratio	Lower	Upper
168	100		
99	55.0	46.0	69.0

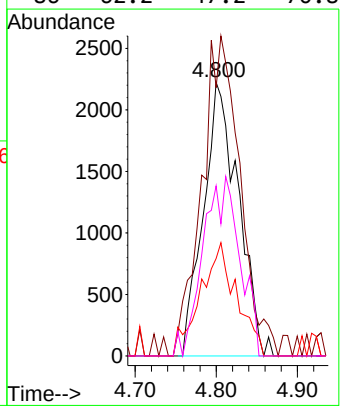


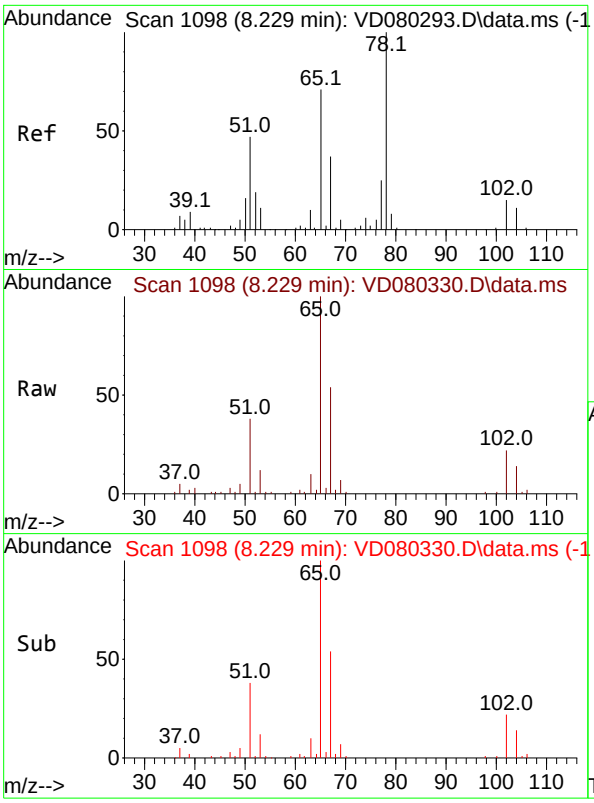


#20
Methylene Chloride
Concen: 3.481 ug/l
RT: 4.800 min Scan# 515
Delta R.T. -0.005 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

Tgt Ion: 84 Resp: 6639

Ion	Ratio	Lower	Upper
84	100		
49	98.0	86.5	129.7
51	35.6	26.9	40.3
86	62.2	47.2	70.8



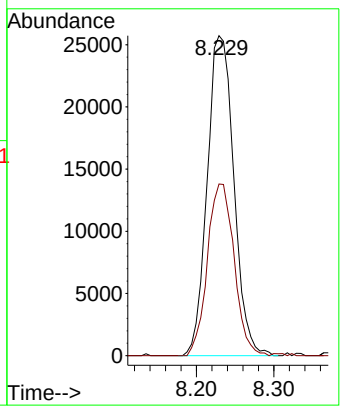


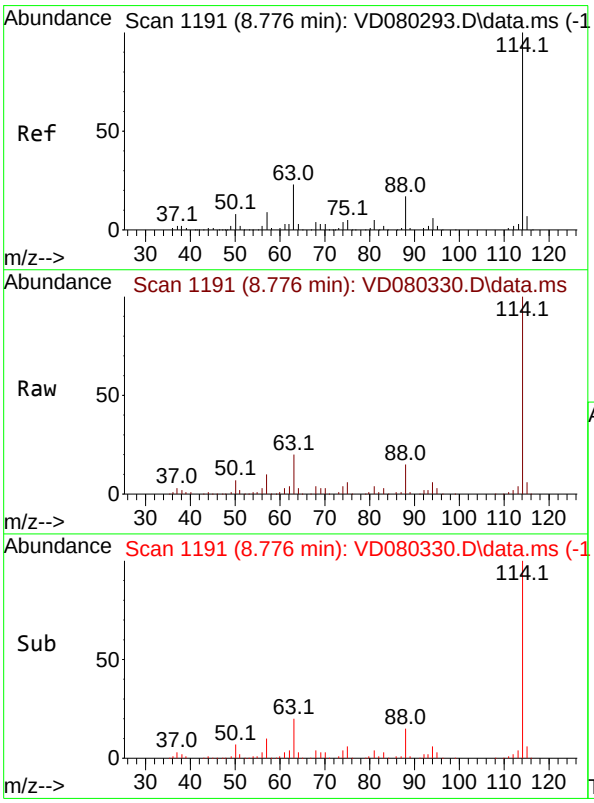
#33
1,2-Dichloroethane-d4
Concen: 69.684 ug/l
RT: 8.229 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

Instrument :
MSVOA_D
ClientSampleId :
TP-10

Tgt Ion: 65 Resp: 61521

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	109.2

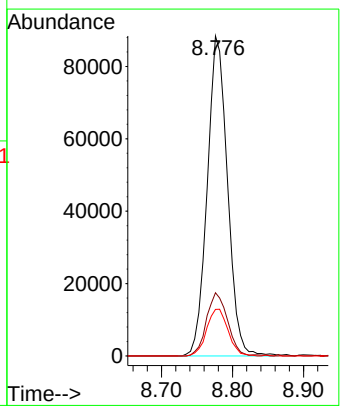


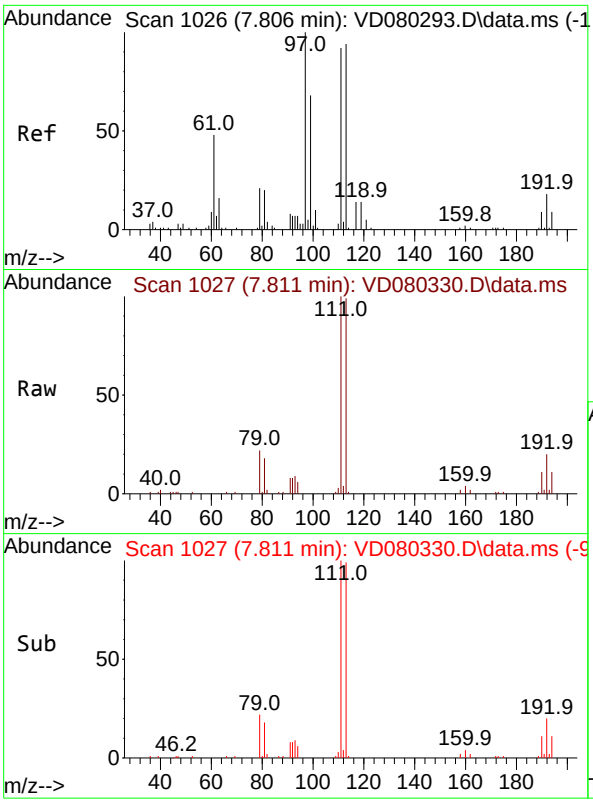


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.776 min Scan# 1191
Delta R.T. 0.001 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

Tgt Ion:114 Resp: 175457

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	38.8
88	14.5	0.0	30.6



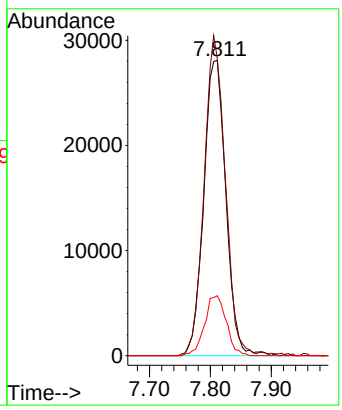


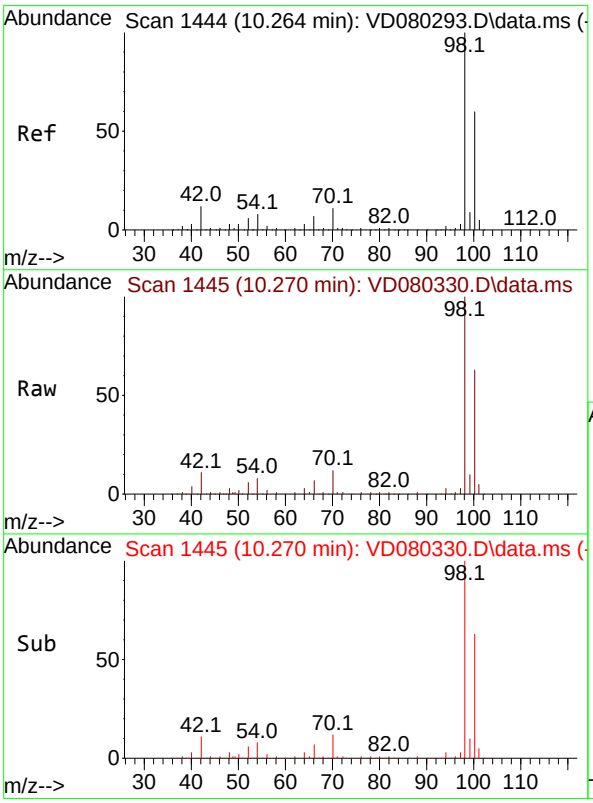
#35
Dibromofluoromethane
Concen: 60.355 ug/l
RT: 7.811 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

Instrument :
MSVOA_D
ClientSampleId :
TP-10

Tgt Ion:113 Resp: 70976

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.5	123.7
192	19.9	16.6	25.0

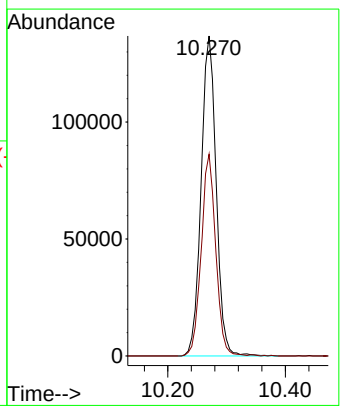




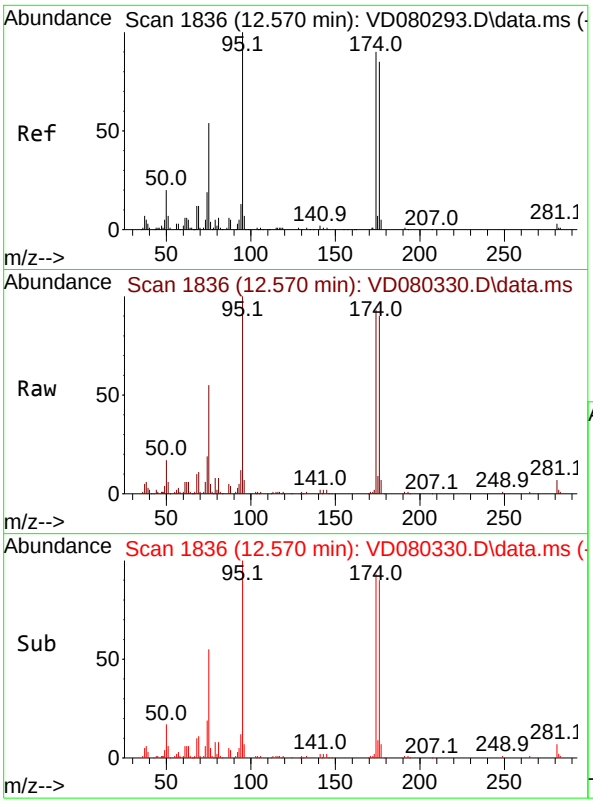
#50
Toluene-d8
Concen: 52.542 ug/l
RT: 10.270 min Scan# 1445
Delta R.T. 0.001 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

Tgt Ion: 98 Resp: 243453

Ion	Ratio	Lower	Upper
98	100		
100	60.7	50.2	75.4



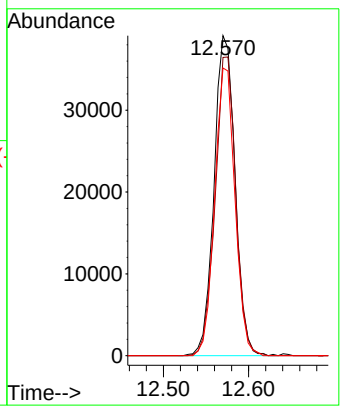
Instrument :
MSVOA_D
ClientSampleId :
TP-10

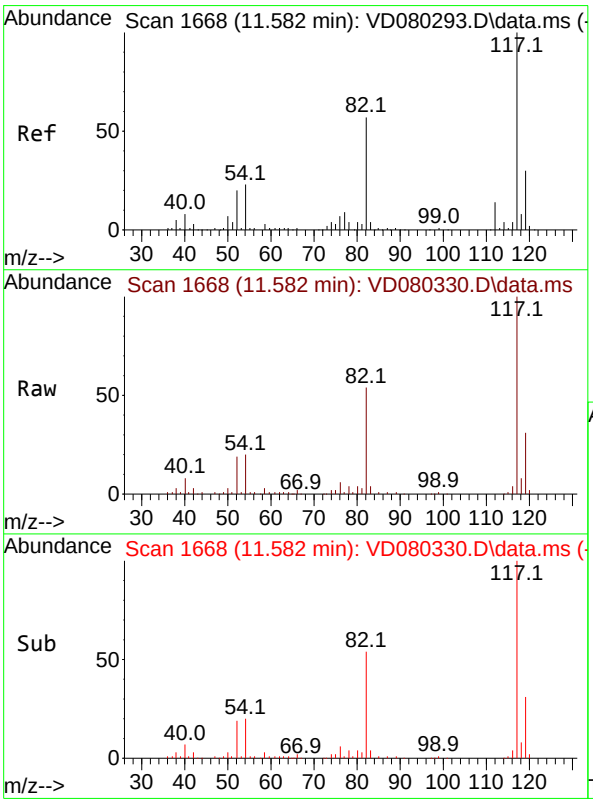


#62
4-Bromofluorobenzene
Concen: 44.938 ug/l
RT: 12.570 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

Tgt Ion: 95 Resp: 66832

Ion	Ratio	Lower	Upper
95	100		
174	92.1	0.0	173.4
176	87.4	0.0	166.6

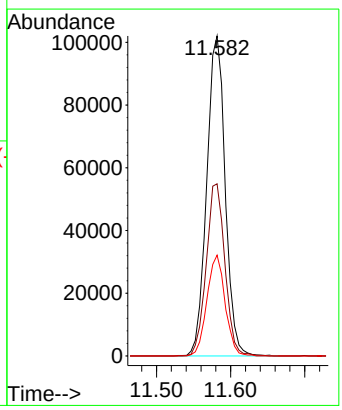


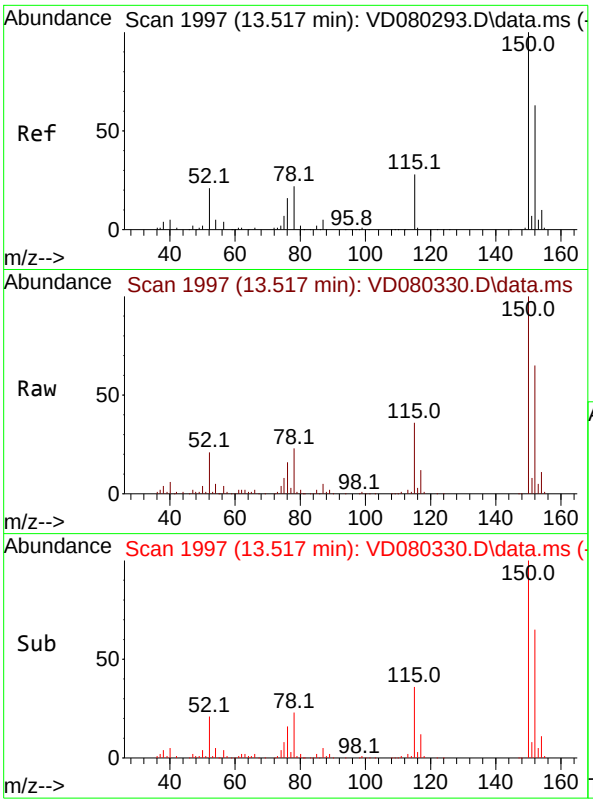


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1668
Delta R.T. 0.001 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

Tgt Ion:117 Resp: 176652

Ion	Ratio	Lower	Upper
117	100		
82	53.8	45.8	68.6
119	31.5	26.2	39.2



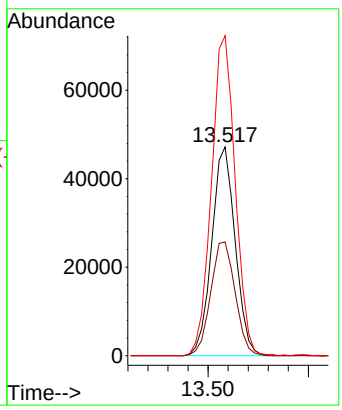


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

Instrument :
MSVOA_D
ClientSampleId :
TP-10

Tgt Ion:152 Resp: 76572

Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.9	86.8
150	154.8	0.0	354.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080330.D
Acq On : 14 May 2025 18:50
Operator : RP/MD
Sample : Q2010-01
Misc : 7.33G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-10

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_D\Method\82D050625S.M
Title : SW846 8260

Signal : TIC: VD080330.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.800	505	515	524	rBV3	9939	32835	5.09%	1.039%
2	7.805	1015	1026	1032	rBV	100251	245402	38.00%	7.768%
3	7.876	1032	1038	1050	rVB2	88394	216394	33.51%	6.849%
4	8.235	1089	1099	1107	rBV	75116	177408	27.47%	5.615%
5	8.776	1182	1191	1204	rBV	209416	428820	66.41%	13.573%
6	10.270	1437	1445	1462	rBV	360934	645718	100.00%	20.438%
7	11.582	1660	1668	1677	rBV	311642	539172	83.50%	17.066%
8	12.570	1829	1836	1847	rBV	223878	382011	59.16%	12.091%
9	13.517	1990	1997	2003	rBV	279678	466759	72.29%	14.774%
10	14.046	2081	2087	2094	rVB2	14146	24820	3.84%	0.786%

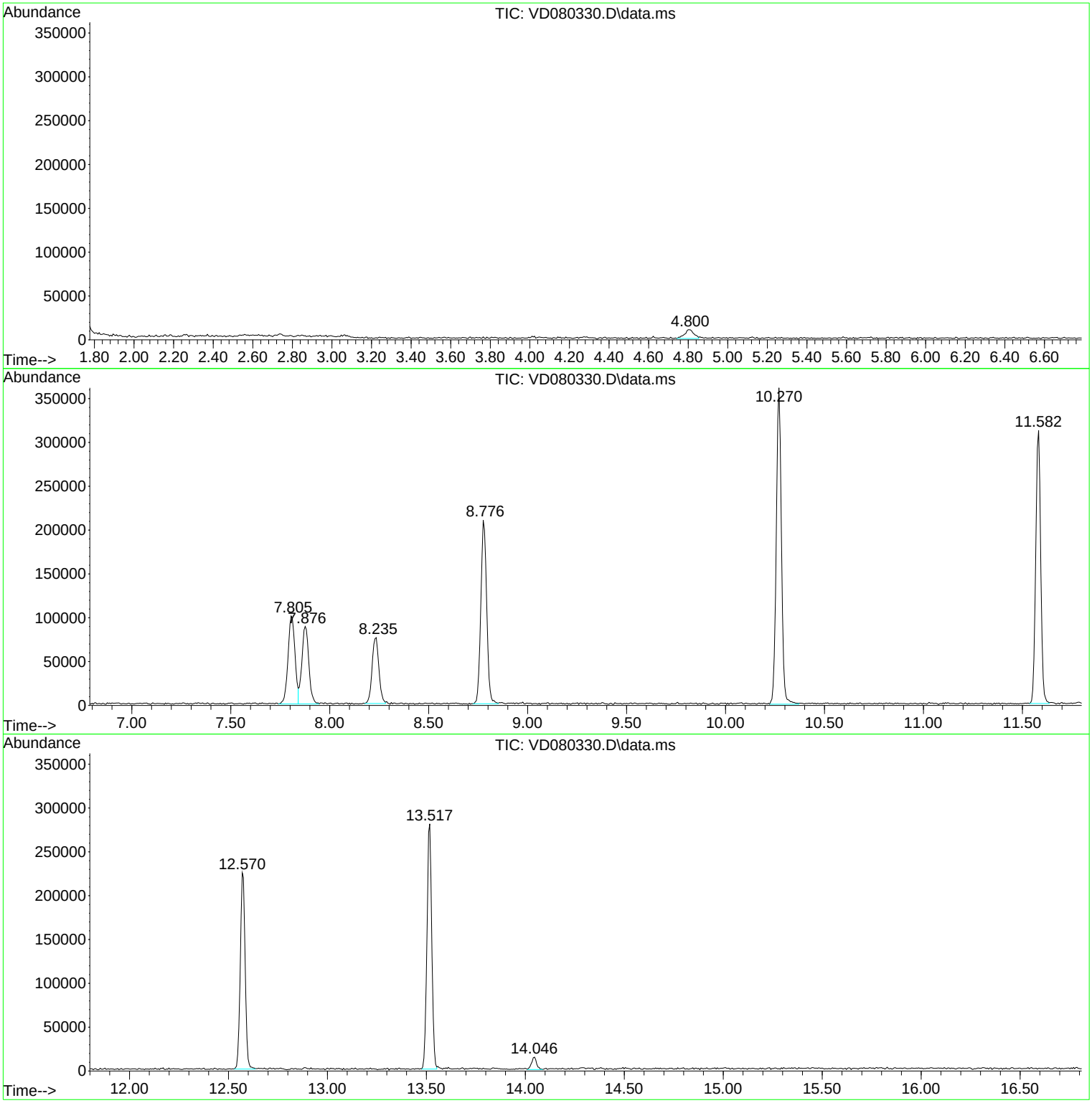
Sum of corrected areas: 3159339

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080330.D
Acq On : 14 May 2025 18:50
Operator : RP/MD
Sample : Q2010-01
Misc : 7.33G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-10

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080330.D
Acq On : 14 May 2025 18:50
Operator : RP/MD
Sample : Q2010-01
Misc : 7.33G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-10

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.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_D\Data\VD051425\
Data File : VD080330.D
Acq On : 14 May 2025 18:50
Operator : RP/MD
Sample : Q2010-01
Misc : 7.33G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-10

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.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_D\Data\VD051425\
Data File : VD080331.D
Acq On : 14 May 2025 19:17
Operator : RP/MD
Sample : Q2010-02
Misc : 5.48G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-13

Quant Time: May 15 03:39:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

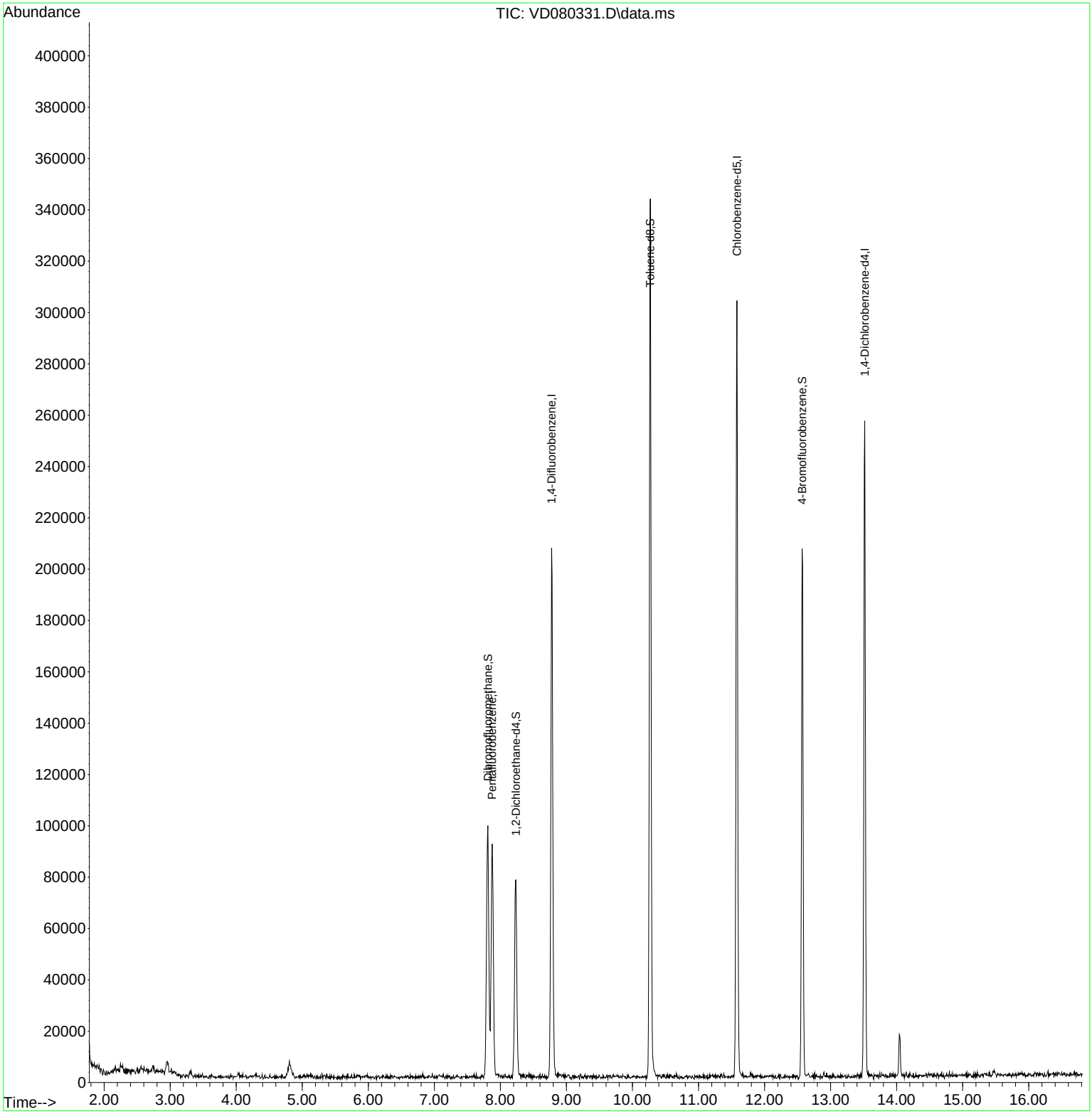
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.876	168	68027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	175314	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	166929	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	69324	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	63775	72.496	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 145.000%			
35) Dibromofluoromethane	7.811	113	69814	59.415	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 118.840%			
50) Toluene-d8	10.270	98	232081	50.129	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.260%			
62) 4-Bromofluorobenzene	12.570	95	62980	42.382	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.760%			
Target Compounds						Qvalue

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

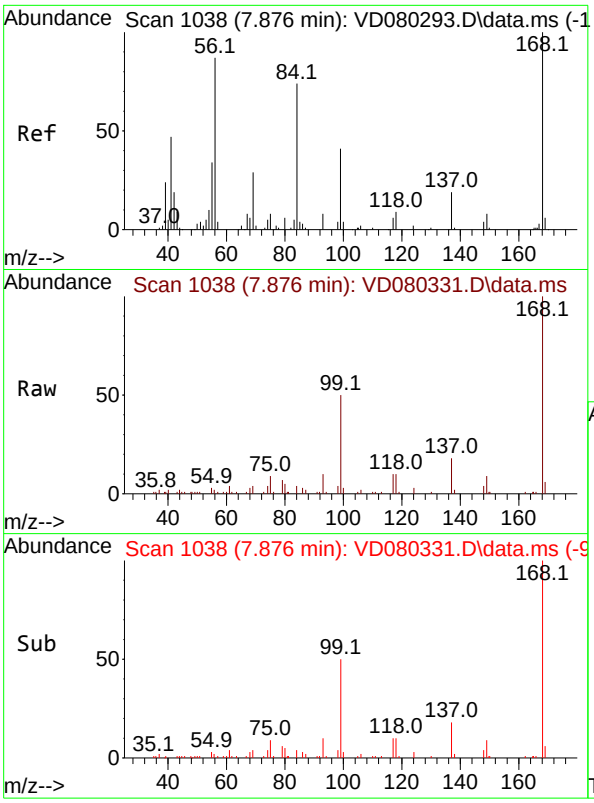
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080331.D
Acq On : 14 May 2025 19:17
Operator : RP/MD
Sample : Q2010-02
Misc : 5.48G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-13

Quant Time: May 15 03:39:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration



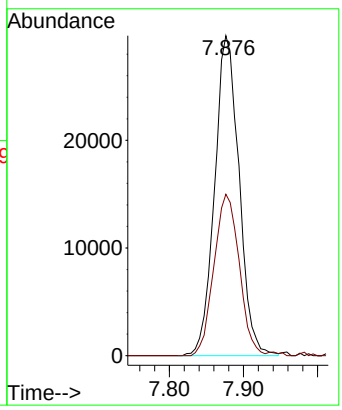
Instrument :
MSVOA_D
ClientSampleId :
TP-13

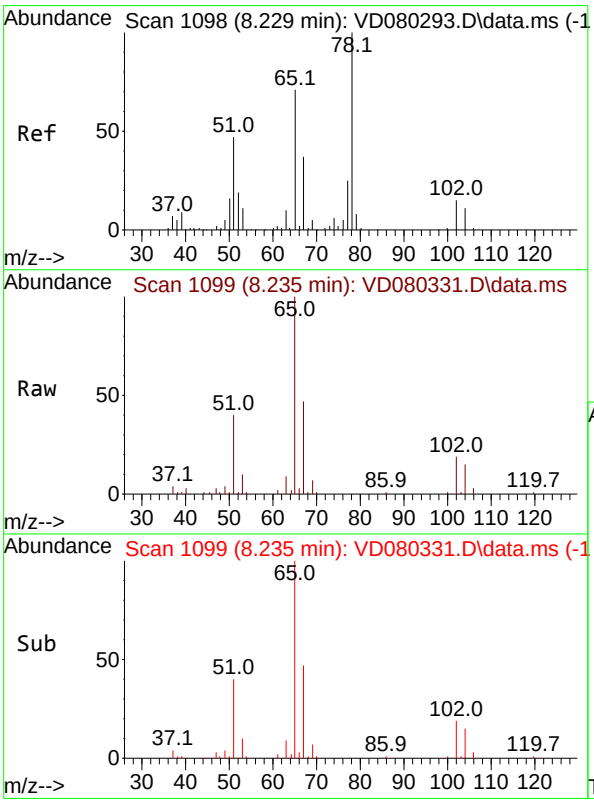


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080331.D
Acq: 14 May 2025 19:17

Tgt Ion:168 Resp: 68027

Ion	Ratio	Lower	Upper
168	100		
99	50.5	46.0	69.0

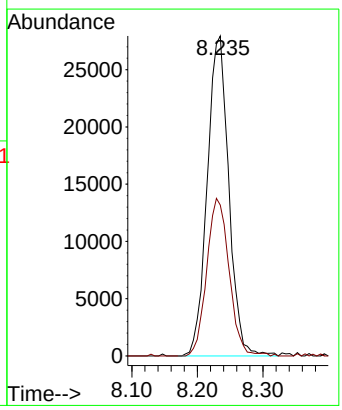


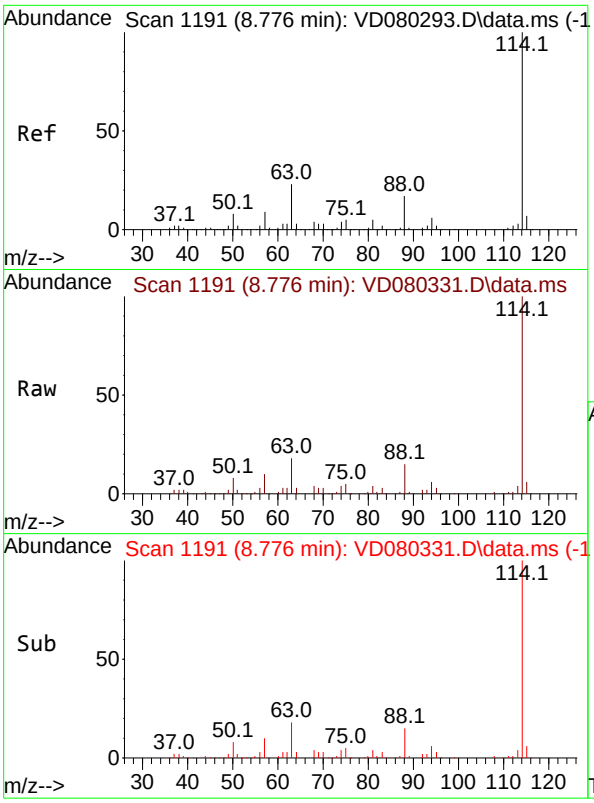


#33
1,2-Dichloroethane-d4
Concen: 72.496 ug/l
RT: 8.235 min Scan# 1099
Delta R.T. 0.007 min
Lab File: VD080331.D
Acq: 14 May 2025 19:17

Tgt Ion: 65 Resp: 63775

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	109.2



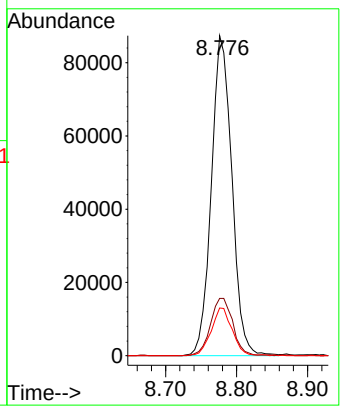


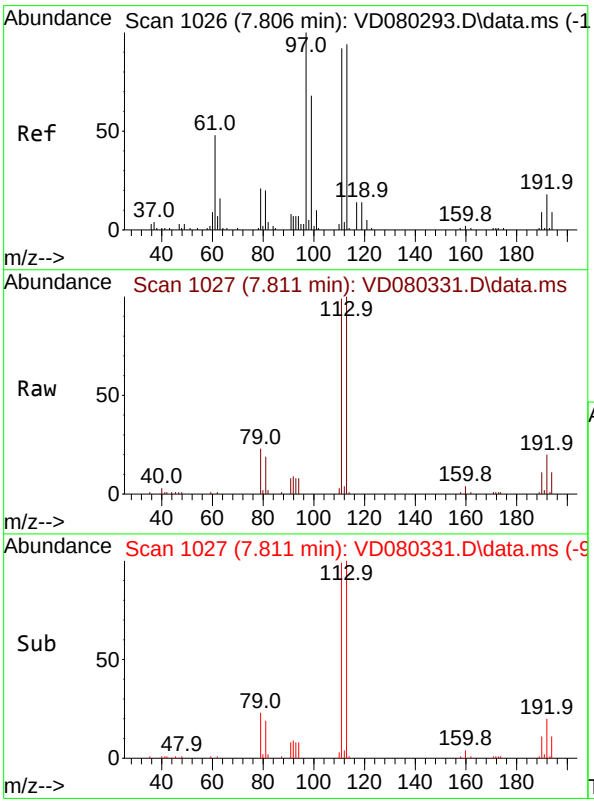
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.776 min Scan# 11
Delta R.T. 0.001 min
Lab File: VD080331.D
Acq: 14 May 2025 19:17

Instrument :
MSVOA_D
ClientSampleId :
TP-13

Tgt Ion:114 Resp: 175314

Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	38.8
88	14.9	0.0	30.6

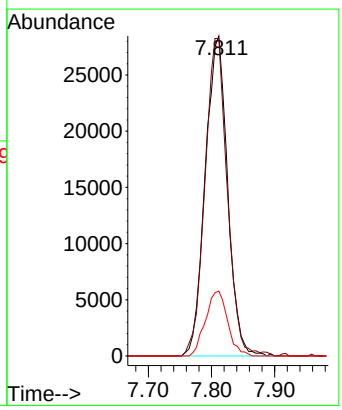




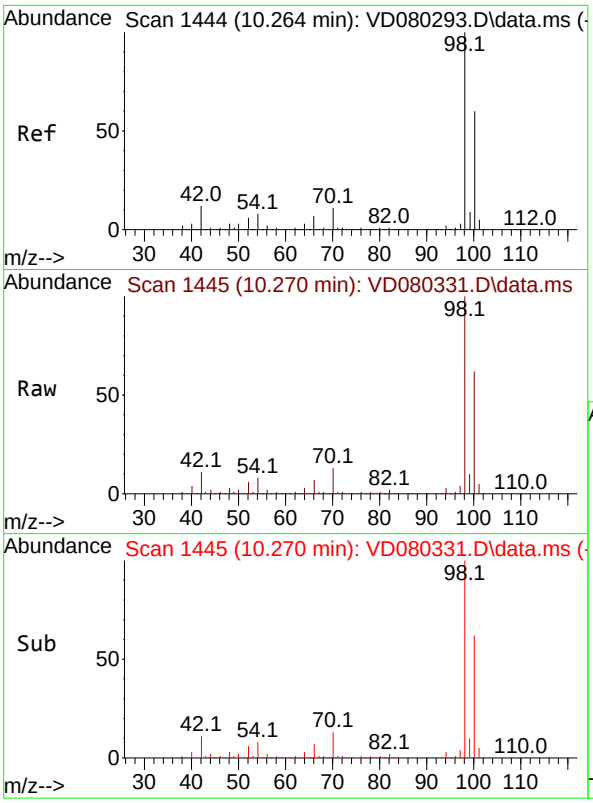
#35
Dibromofluoromethane
Concen: 59.415 ug/l
RT: 7.811 min Scan# 1027
Delta R.T. 0.006 min
Lab File: VD080331.D
Acq: 14 May 2025 19:17

Tgt Ion:113 Resp: 69814

Ion	Ratio	Lower	Upper
113	100		
111	99.3	82.5	123.7
192	20.1	16.6	25.0



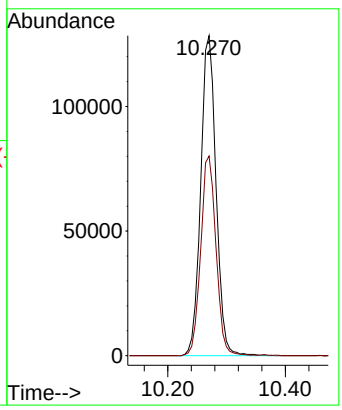
Instrument :
MSVOA_D
ClientSampleId :
TP-13

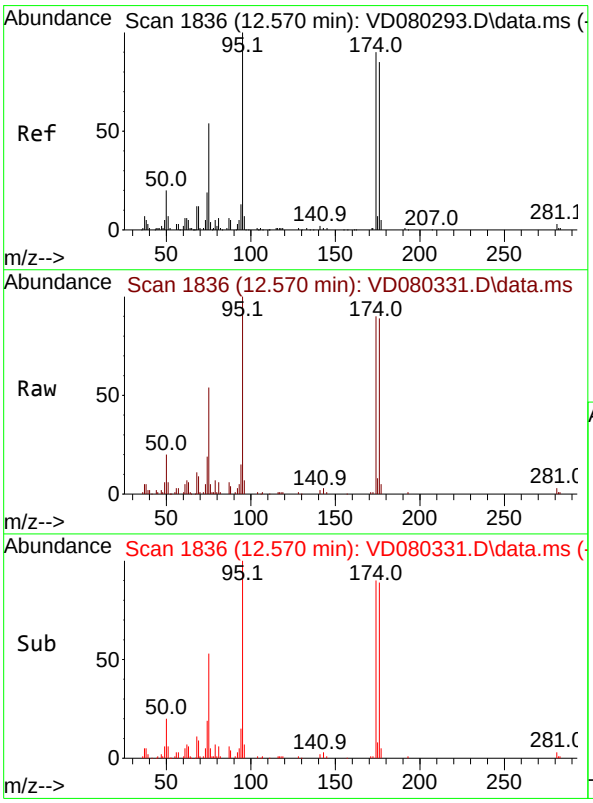


#50
Toluene-d8
Concen: 50.129 ug/l
RT: 10.270 min Scan# 14
Delta R.T. 0.001 min
Lab File: VD080331.D
Acq: 14 May 2025 19:17

Tgt Ion: 98 Resp: 232081

Ion	Ratio	Lower	Upper
98	100		
100	62.2	50.2	75.4

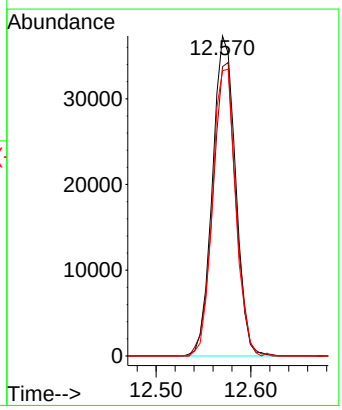


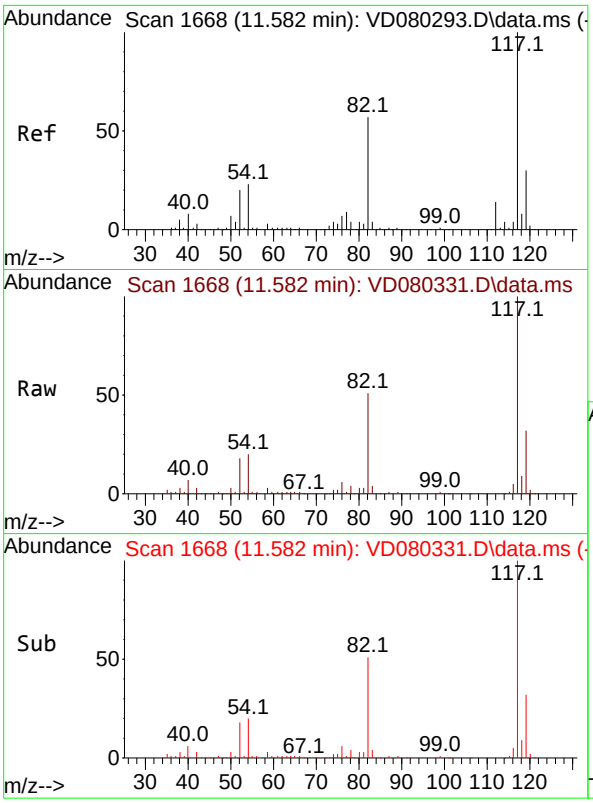


#62
4-Bromofluorobenzene
Concen: 42.382 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080331.D
Acq: 14 May 2025 19:17

Tgt Ion: 95 Resp: 62980

Ion	Ratio	Lower	Upper
95	100		
174	91.6	0.0	173.4
176	89.7	0.0	166.6



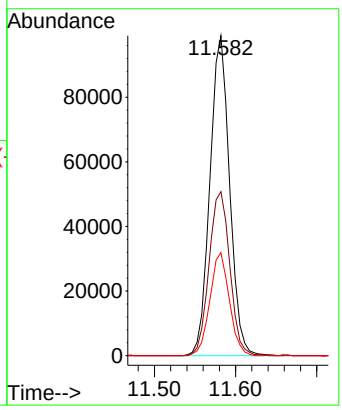


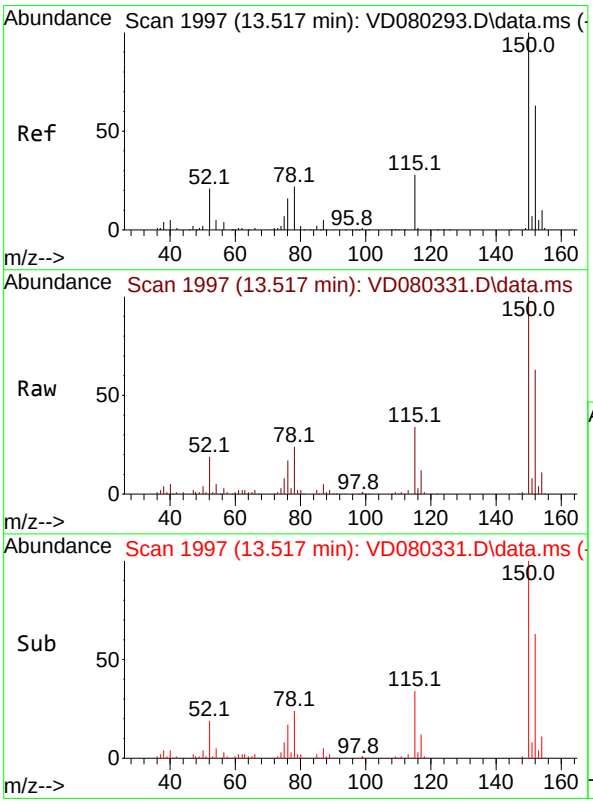
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080331.D
Acq: 14 May 2025 19:17

Instrument :
MSVOA_D
ClientSampleId :
TP-13

Tgt Ion:117 Resp: 166929

Ion	Ratio	Lower	Upper
117	100		
82	51.2	45.8	68.6
119	32.2	26.2	39.2

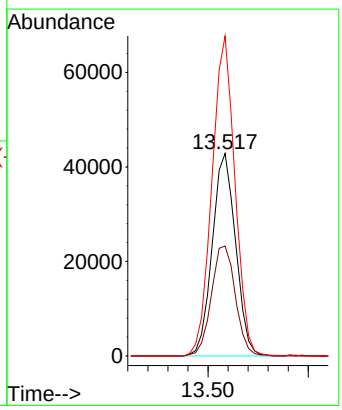




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. 0.001 min
Lab File: VD080331.D
Acq: 14 May 2025 19:17

Tgt Ion:152 Resp: 69324

Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.9	86.8
150	155.5	0.0	354.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080331.D
Acq On : 14 May 2025 19:17
Operator : RP/MD
Sample : Q2010-02
Misc : 5.48G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-13

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_D\Method\82D050625S.M
Title : SW846 8260

Signal : TIC: VD080331.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.959	194	202	206	rBV4	5037	13252	2.12%	0.436%
2	4.806	505	516	518	rBV3	6503	14470	2.32%	0.476%
3	7.811	1016	1027	1033	rBV2	98381	246933	39.59%	8.119%
4	7.876	1033	1038	1048	rVB	90296	203976	32.70%	6.706%
5	8.235	1090	1099	1108	rBV	77409	185580	29.75%	6.101%
6	8.776	1180	1191	1201	rBV	206599	421983	67.65%	13.874%
7	10.270	1436	1445	1460	rBV	342593	623783	100.00%	20.509%
8	11.582	1660	1668	1680	rBV	302646	520838	83.50%	17.124%
9	12.570	1826	1836	1843	rBV	206937	359022	57.56%	11.804%
10	13.517	1989	1997	2005	rBV	255869	424333	68.03%	13.951%
11	14.041	2080	2086	2092	rBV3	16101	27384	4.39%	0.900%

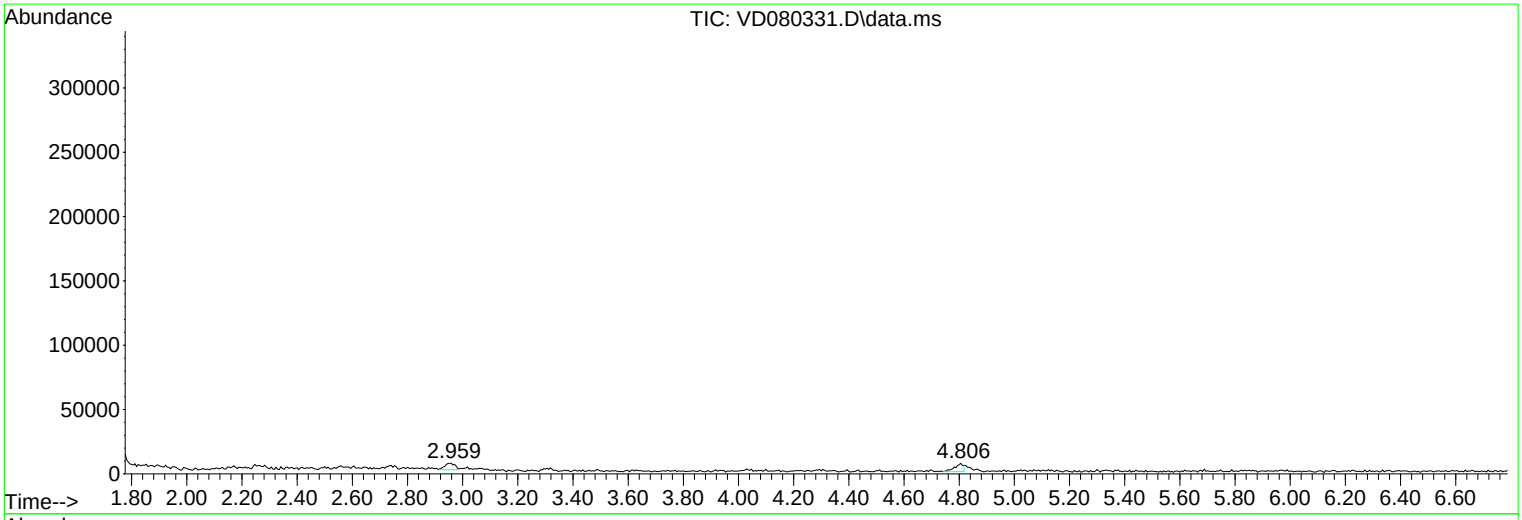
Sum of corrected areas: 3041554

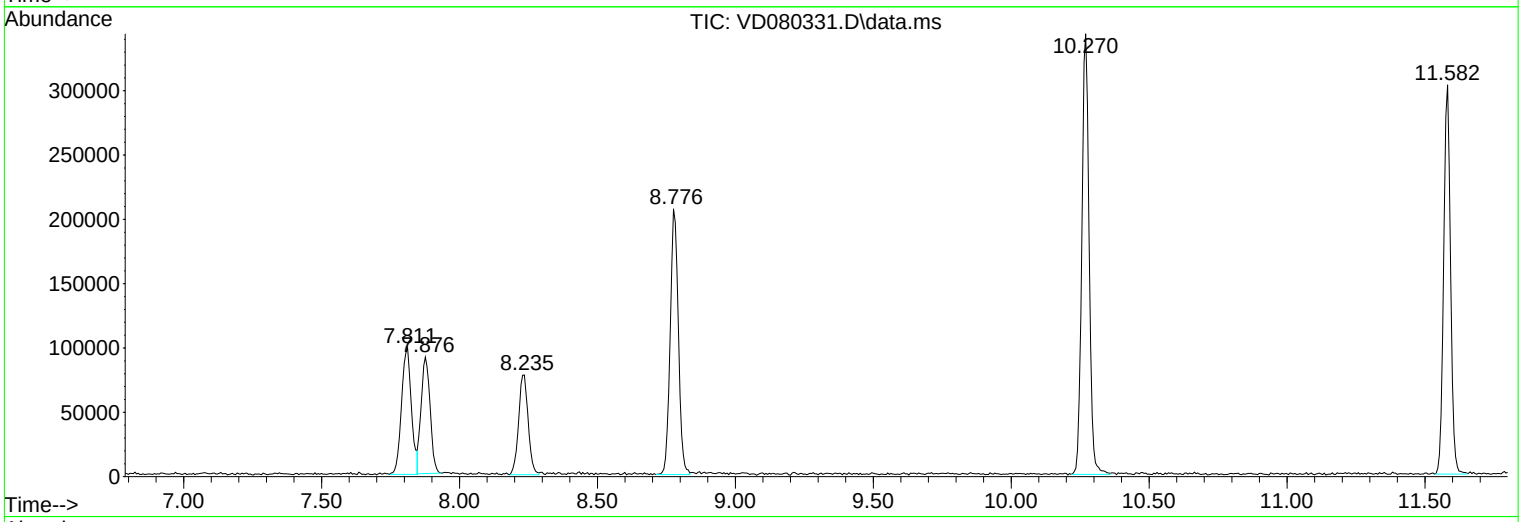
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080331.D
Acq On : 14 May 2025 19:17
Operator : RP/MD
Sample : Q2010-02
Misc : 5.48G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

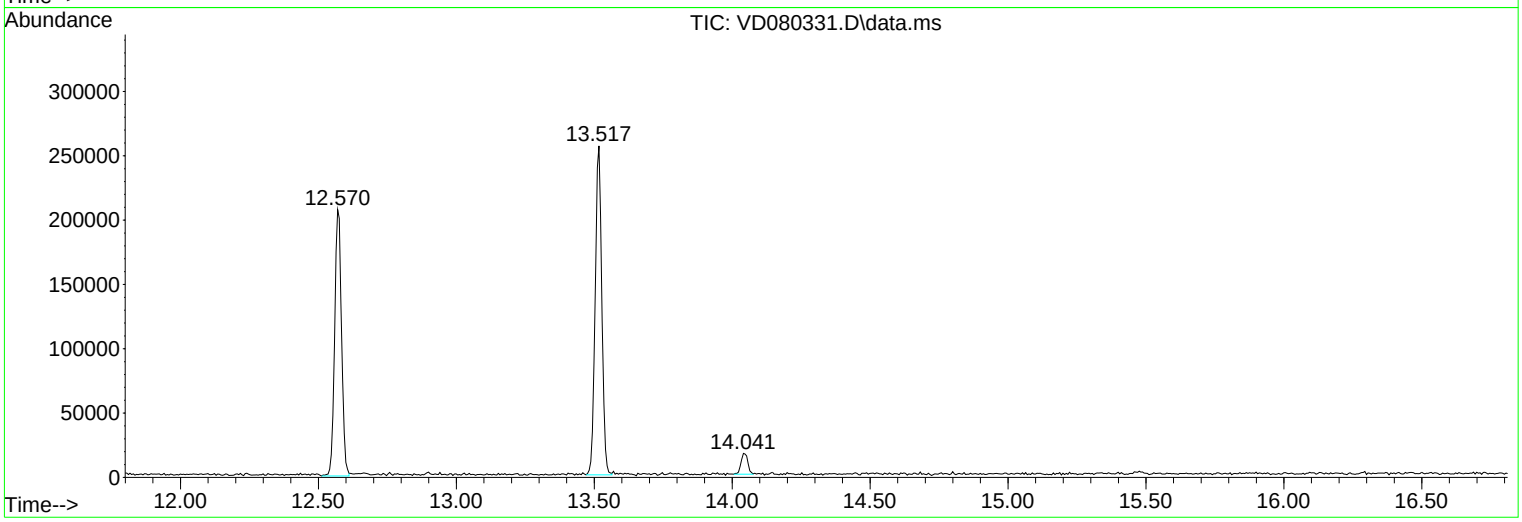
Instrument :
MSVOA_D
ClientSampleId :
TP-13

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080331.D
Acq On : 14 May 2025 19:17
Operator : RP/MD
Sample : Q2010-02
Misc : 5.48G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-13

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.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_D\Data\VD051425\
Data File : VD080331.D
Acq On : 14 May 2025 19:17
Operator : RP/MD
Sample : Q2010-02
Misc : 5.48G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-13

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.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 : VY022291.D
Acq On : 16 May 2025 15:15
Operator : SY/MD
Sample : Q2010-03
Misc : 7.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

Quant Time: May 17 01:34:31 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

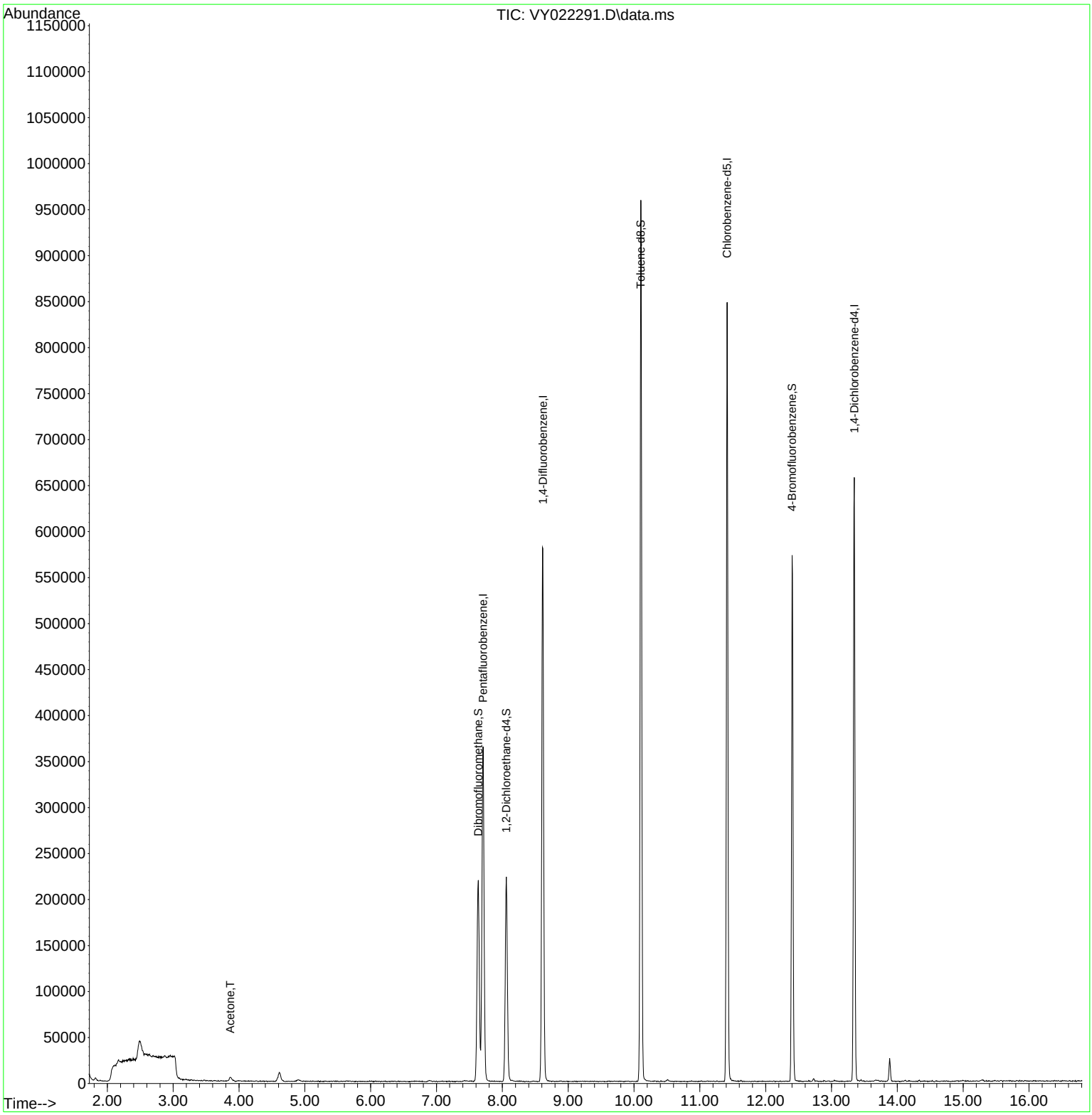
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	268422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	485395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	403756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	155516	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	164222	55.980	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.960%			
35) Dibromofluoromethane	7.634	113	151447	52.275	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.540%			
50) Toluene-d8	10.103	98	586282	49.411	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.820%			
62) 4-Bromofluorobenzene	12.402	95	161355	42.903	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.800%			
Target Compounds						Qvalue
16) Acetone	3.867	43	6913	12.567	ug/l	95

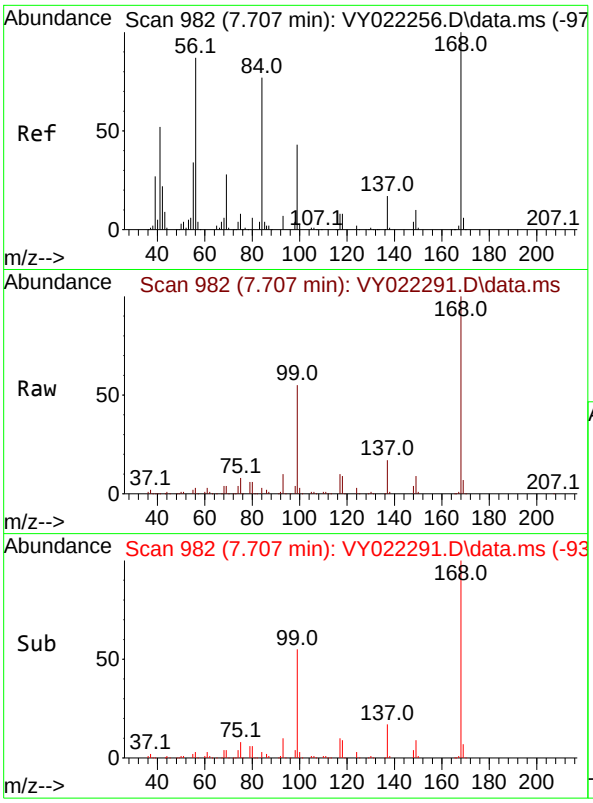
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022291.D
Acq On : 16 May 2025 15:15
Operator : SY/MD
Sample : Q2010-03
Misc : 7.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

Quant Time: May 17 01:34:31 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



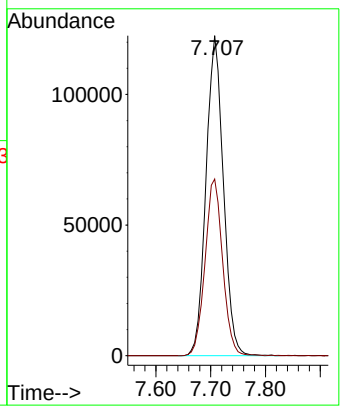


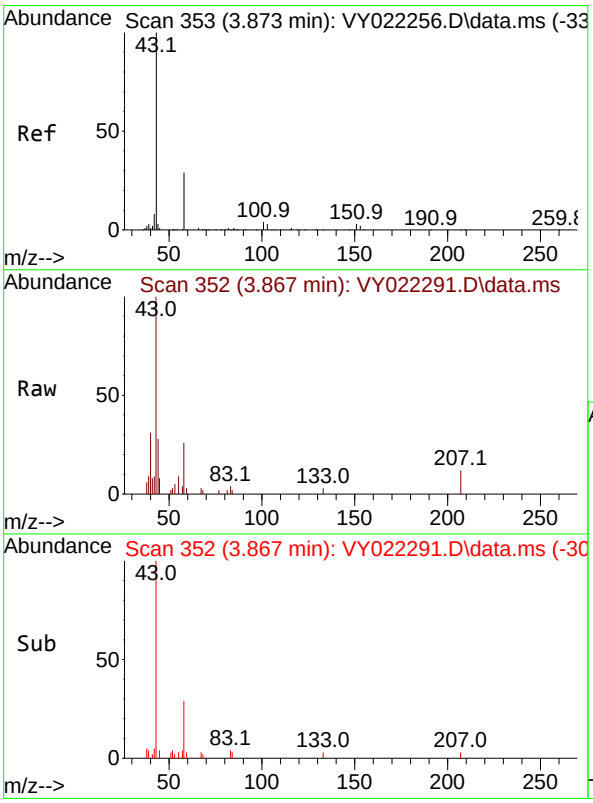
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

Tgt Ion:168 Resp: 268422

Ion	Ratio	Lower	Upper
168	100		
99	55.2	44.2	66.4

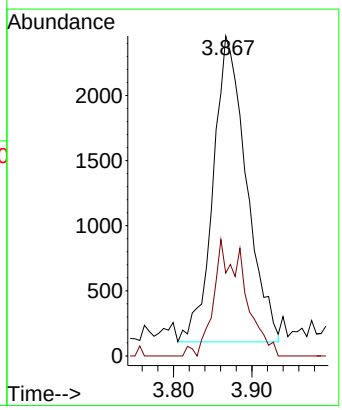




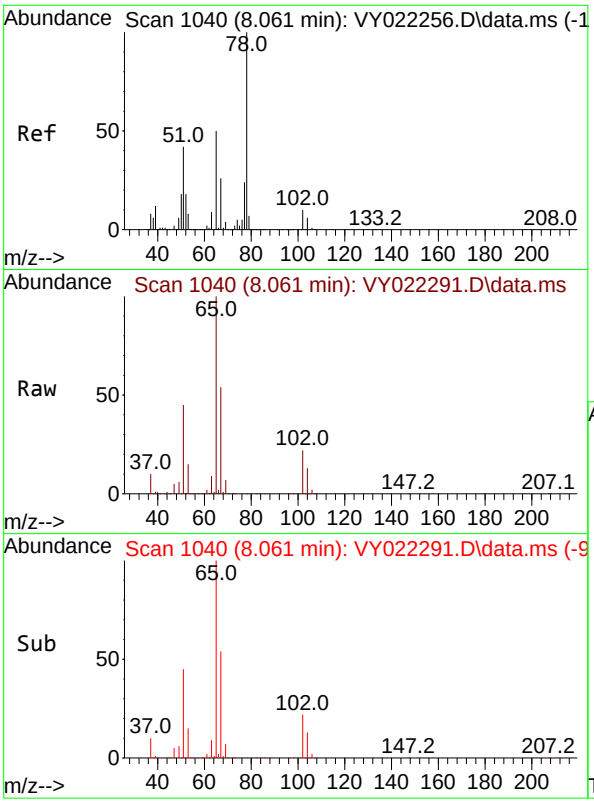
#16
Acetone
Concen: 12.567 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Tgt Ion: 43 Resp: 6913

Ion	Ratio	Lower	Upper
43	100		
58	27.1	23.6	35.4



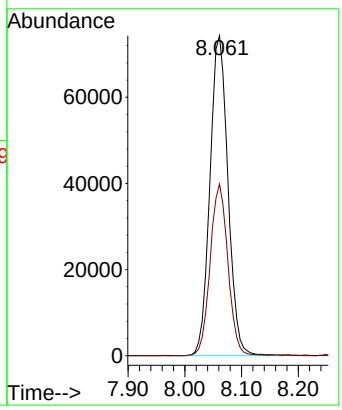
Instrument :
MSVOA_Y
ClientSampleId :
TP-14

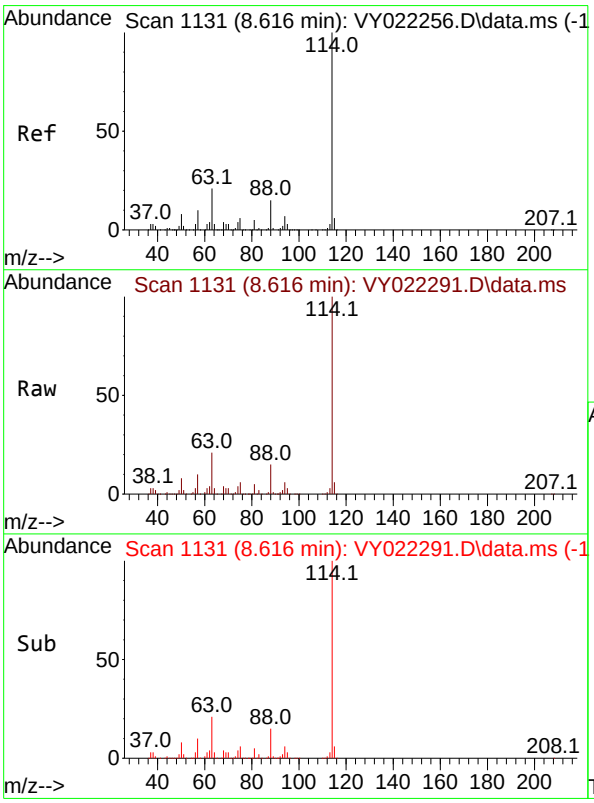


#33
1,2-Dichloroethane-d4
Concen: 55.980 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Tgt Ion: 65 Resp: 164222

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	104.6

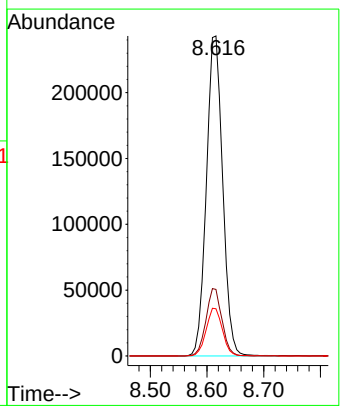


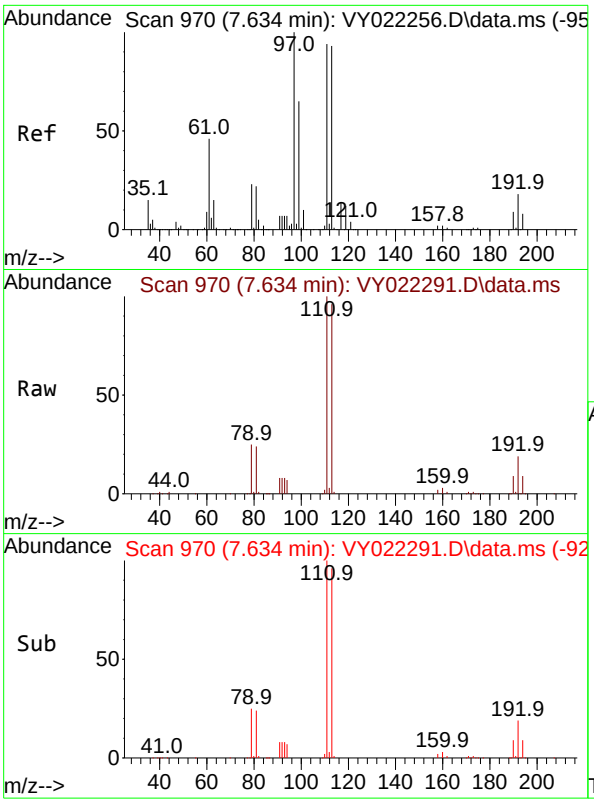


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Tgt Ion:114 Resp: 485395

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	41.0
88	14.7	0.0	29.4



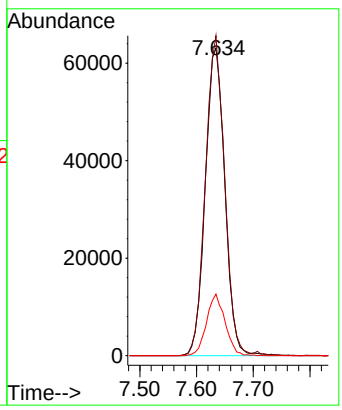


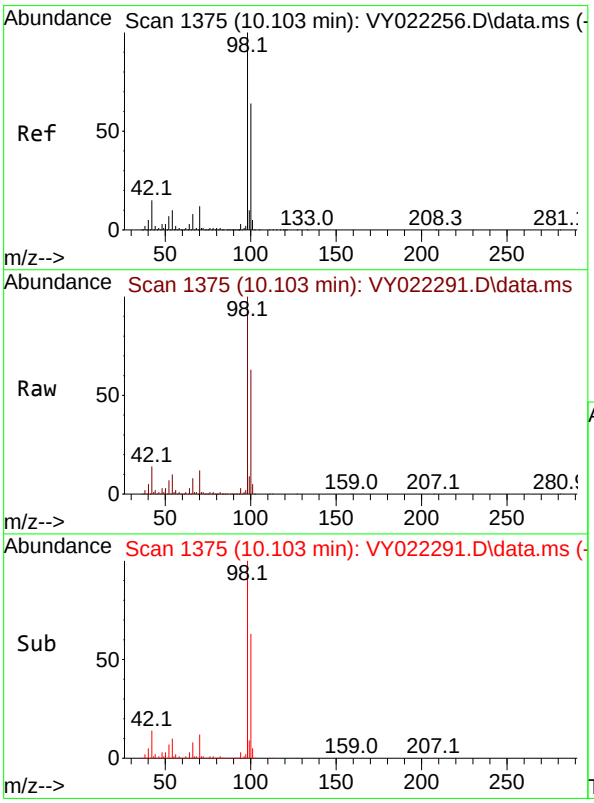
#35
Dibromofluoromethane
Concen: 52.275 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

Tgt Ion:113 Resp: 151447

Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.6	123.8
192	19.0	15.2	22.8

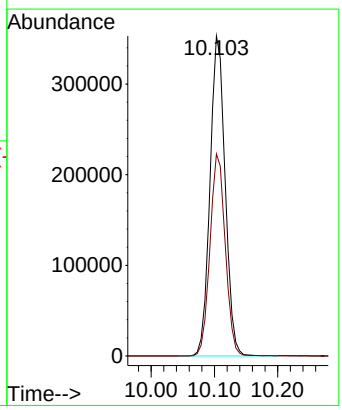


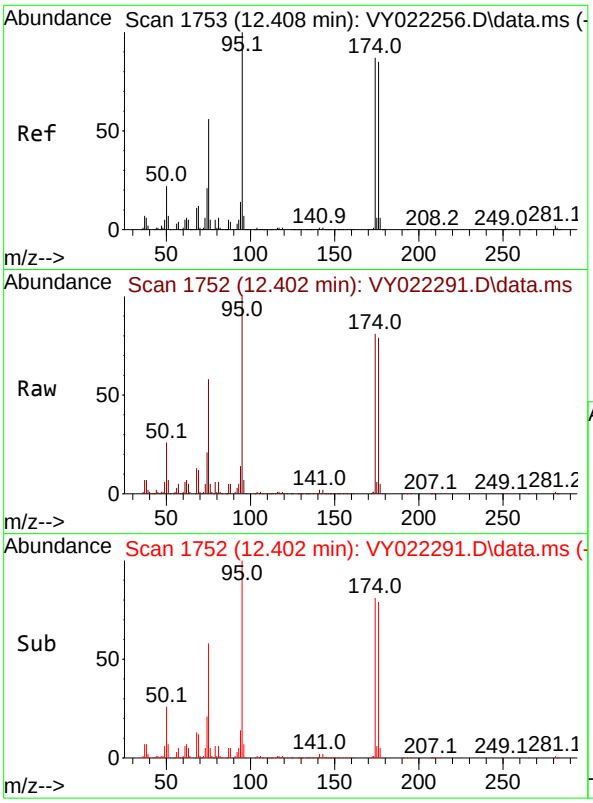


#50
Toluene-d8
Concen: 49.411 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Tgt Ion: 98 Resp: 586282

Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.8	77.8



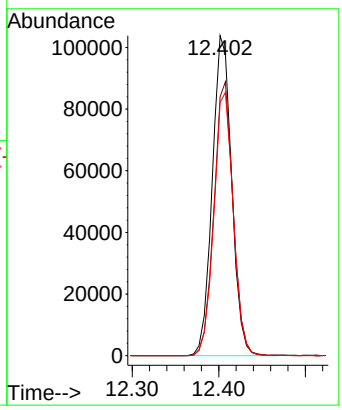


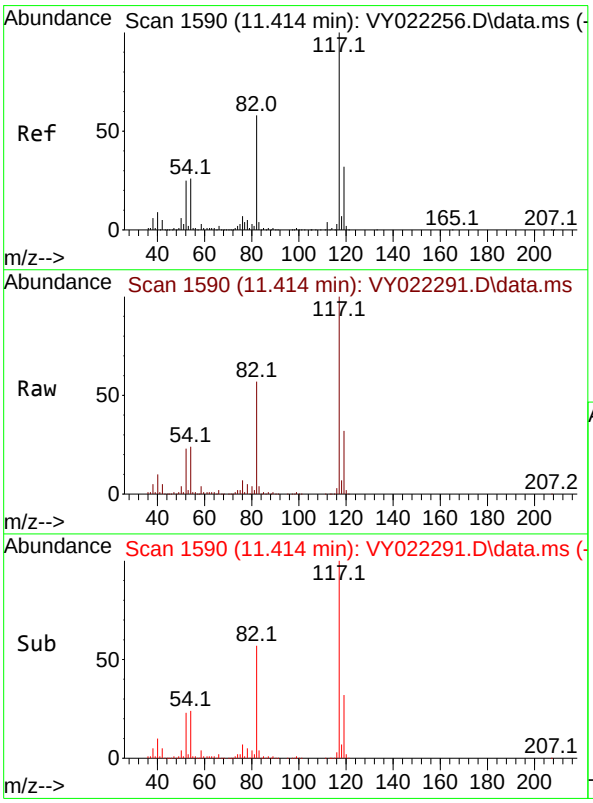
#62
4-Bromofluorobenzene
Concen: 42.903 ug/l
RT: 12.402 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

Tgt Ion: 95 Resp: 161355

Ion	Ratio	Lower	Upper
95	100		
174	84.6	0.0	166.8
176	82.4	0.0	160.8

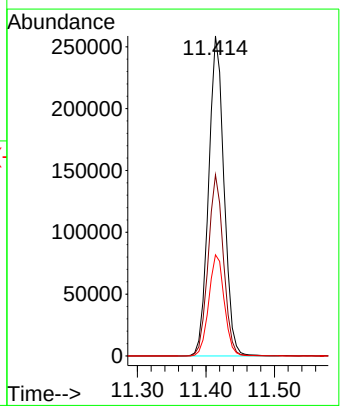


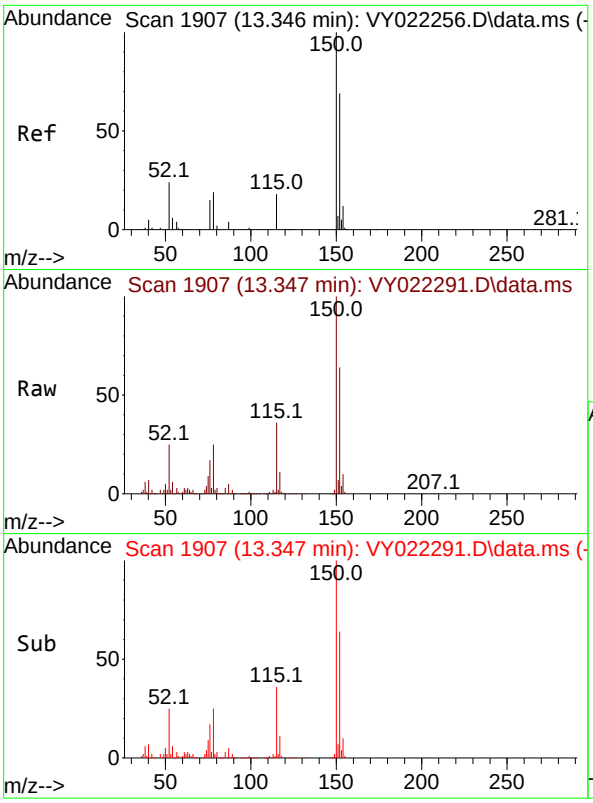


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Tgt Ion:117 Resp: 403756

Ion	Ratio	Lower	Upper
117	100		
82	56.6	46.6	70.0
119	31.6	25.8	38.6



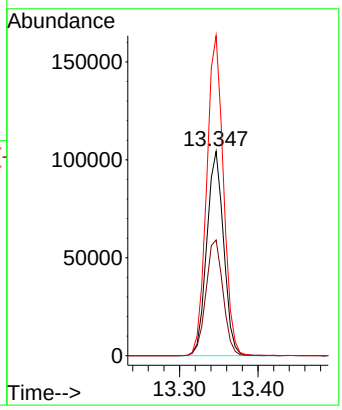


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

Tgt Ion:152 Resp: 155516

Ion	Ratio	Lower	Upper
152	100		
115	57.7	29.4	88.2
150	155.8	0.0	353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022291.D
Acq On : 16 May 2025 15:15
Operator : SY/MD
Sample : Q2010-03
Misc : 7.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

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: VY022291.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	45	62	63	rBV7	17187	52675	3.28%	0.656%
2	2.489	119	126	137	rBV5	18276	71836	4.48%	0.895%
3	4.610	464	474	483	rBV3	10008	30658	1.91%	0.382%
4	7.634	958	970	976	rBV	219086	527833	32.89%	6.573%
5	7.707	976	982	998	rVB	363802	802754	50.02%	9.997%
6	8.061	1029	1040	1051	rBV	222687	494779	30.83%	6.162%
7	8.610	1122	1130	1144	rBV	580597	1156212	72.04%	14.399%
8	10.103	1366	1375	1390	rBV	958282	1604906	100.00%	19.986%
9	11.414	1583	1590	1602	rBV	847129	1331652	82.97%	16.583%
10	12.402	1746	1752	1761	rBV	571941	906723	56.50%	11.292%
11	13.347	1898	1907	1915	rBV	656389	1011674	63.04%	12.599%
12	13.883	1989	1995	2002	rVB2	25051	38280	2.39%	0.477%

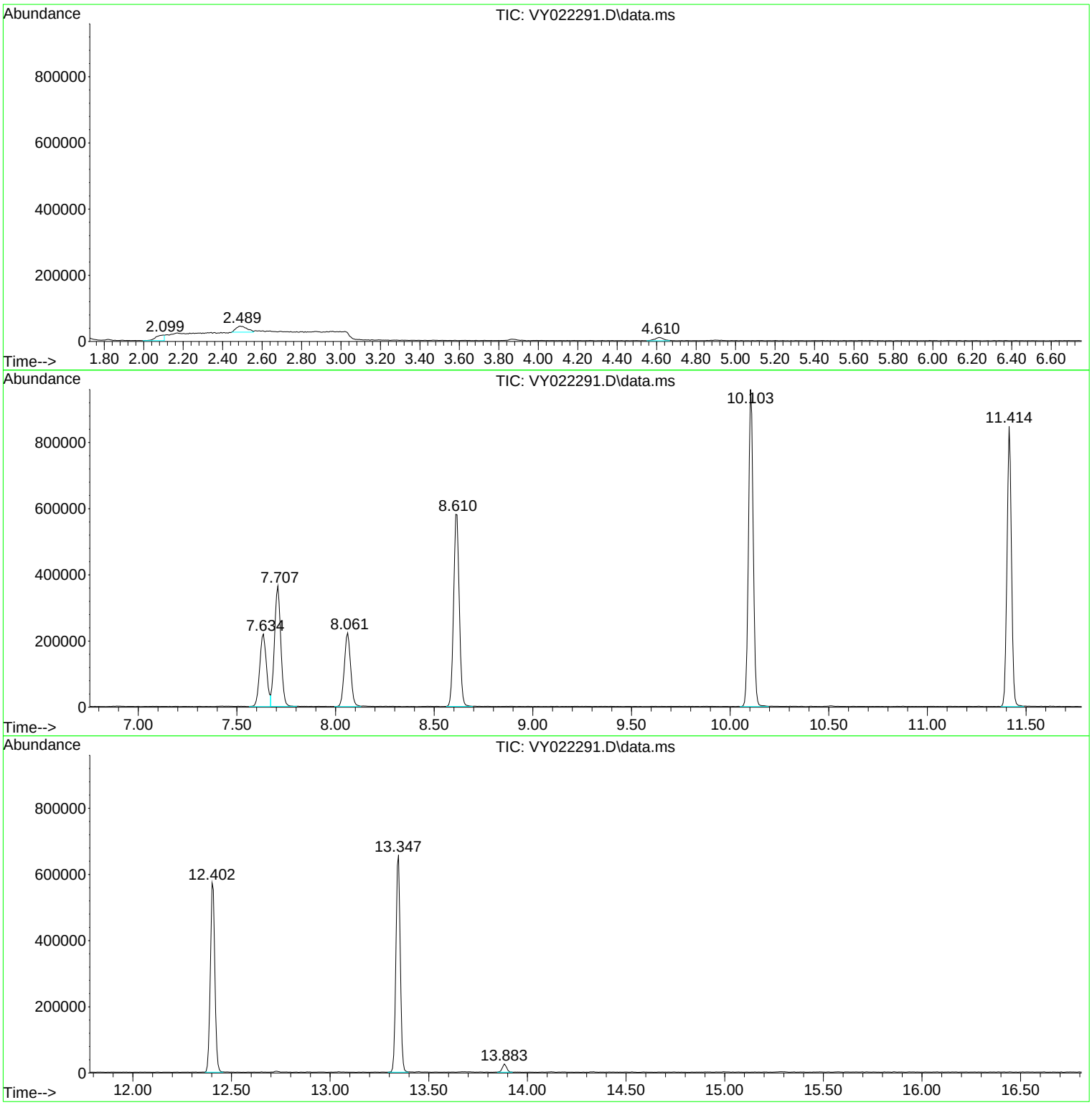
Sum of corrected areas: 8029982

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022291.D
Acq On : 16 May 2025 15:15
Operator : SY/MD
Sample : Q2010-03
Misc : 7.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

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 : VY022291.D
Acq On : 16 May 2025 15:15
Operator : SY/MD
Sample : Q2010-03
Misc : 7.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

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 : VY022291.D
Acq On : 16 May 2025 15:15
Operator : SY/MD
Sample : Q2010-03
Misc : 7.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

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 : VY022292.D
Acq On : 16 May 2025 15:38
Operator : SY/MD
Sample : Q2010-04
Misc : 7.85g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

Quant Time: May 17 01:34:55 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

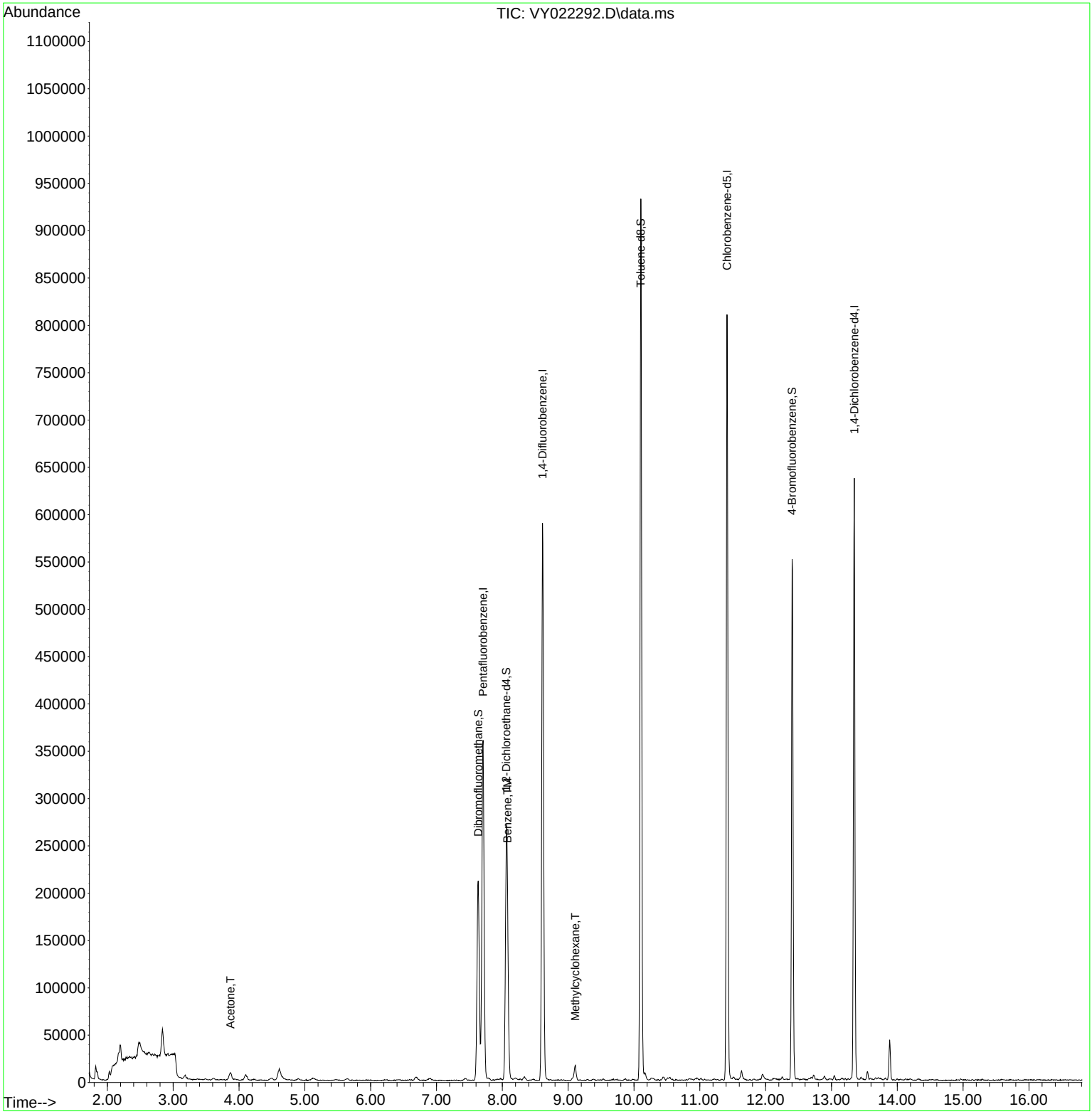
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	268322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	484104	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	388336	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	145207	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150003	51.152	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.300%			
35) Dibromofluoromethane	7.634	113	147207	50.947	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.900%			
50) Toluene-d8	10.103	98	579549	48.974	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.940%			
62) 4-Bromofluorobenzene	12.401	95	152887	40.760	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 81.520%			
Target Compounds						Qvalue
16) Acetone	3.873	43	14163	25.757	ug/l	96
39) Methylcyclohexane	9.109	83	6416	1.003	ug/l	98
40) Benzene	8.079	78	117629	8.337	ug/l	95

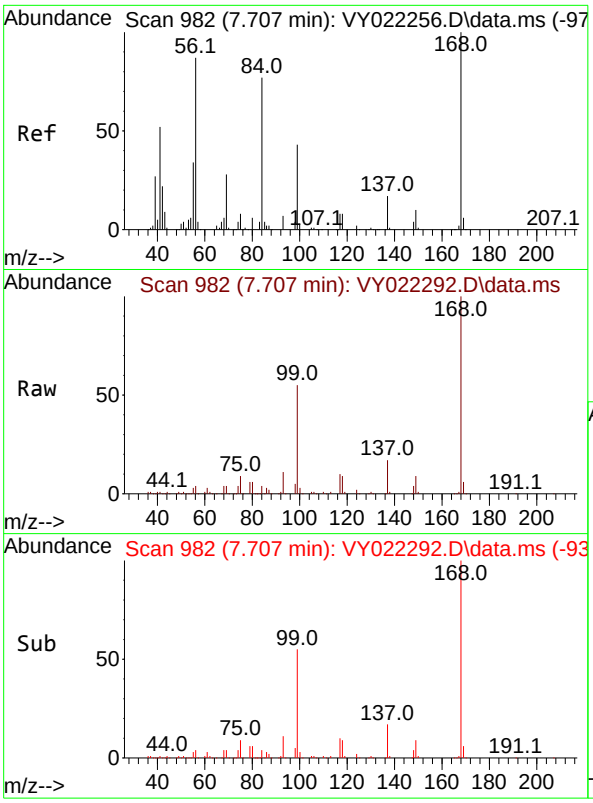
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022292.D
Acq On : 16 May 2025 15:38
Operator : SY/MD
Sample : Q2010-04
Misc : 7.85g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

Quant Time: May 17 01:34:55 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



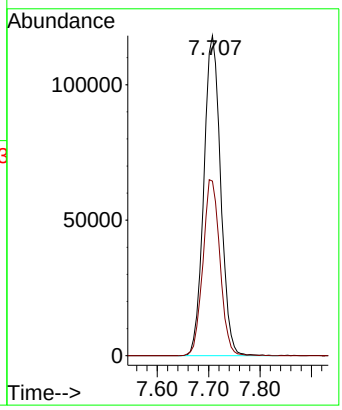


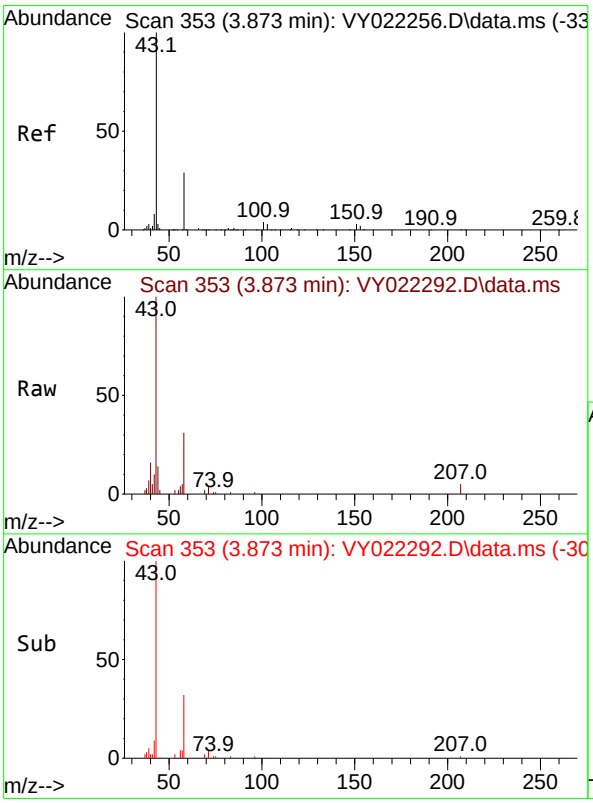
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

Tgt Ion:168 Resp: 268322

Ion	Ratio	Lower	Upper
168	100		
99	54.6	44.2	66.4

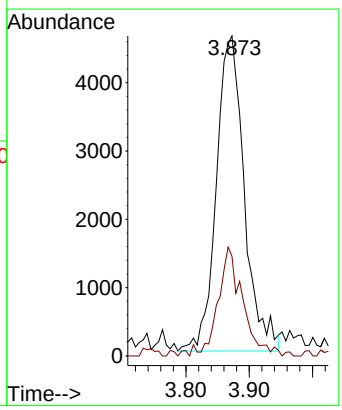


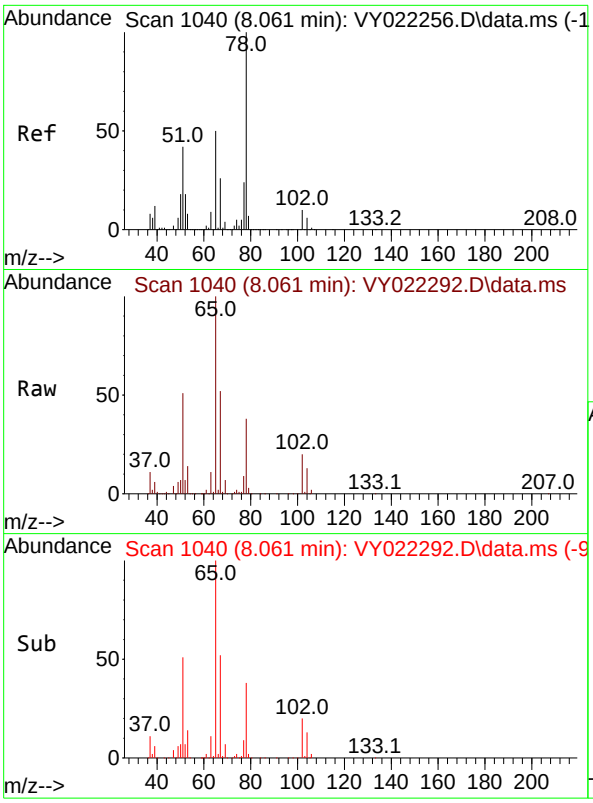


#16
Acetone
Concen: 25.757 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Tgt Ion: 43 Resp: 14163

Ion	Ratio	Lower	Upper
43	100		
58	31.6	23.6	35.4



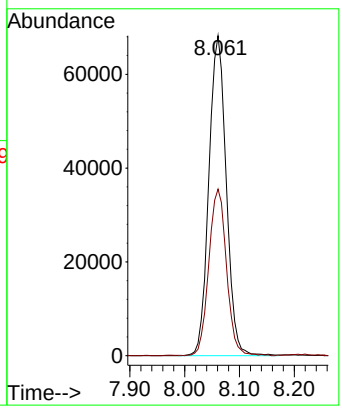


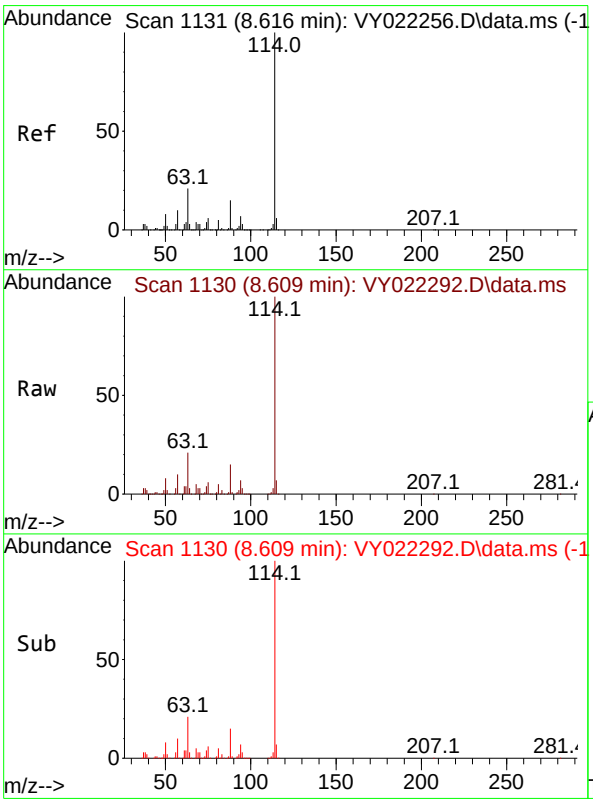
#33
1,2-Dichloroethane-d4
Concen: 51.152 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

Tgt Ion: 65 Resp: 150003

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	104.6

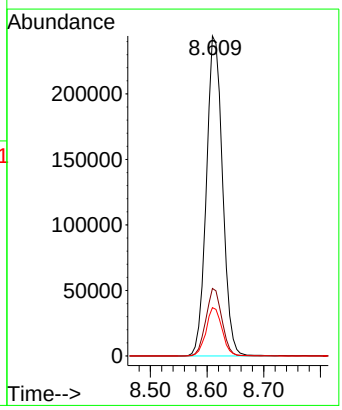


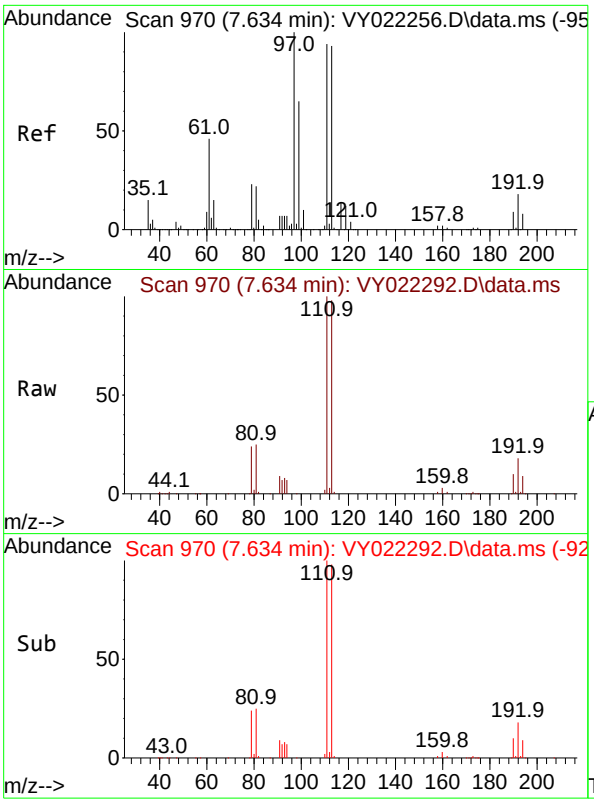


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Tgt Ion:114 Resp: 484104

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	41.0
88	15.1	0.0	29.4



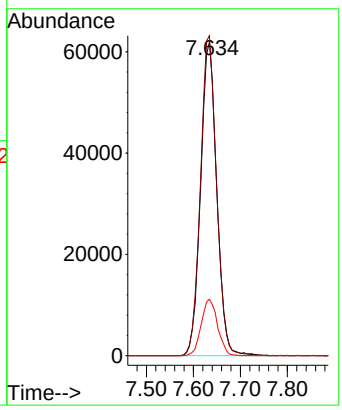


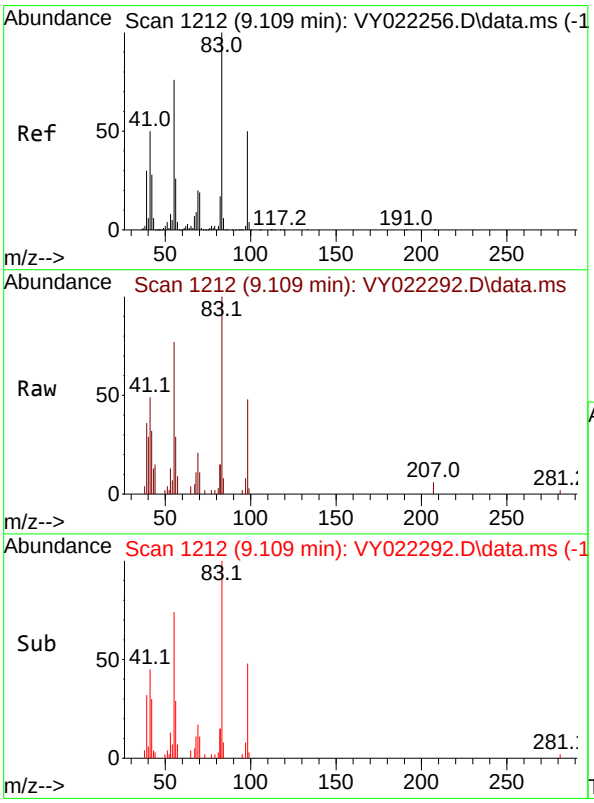
#35
Dibromofluoromethane
Concen: 50.947 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

Tgt Ion:113 Resp: 147207

Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.6	123.8
192	18.2	15.2	22.8

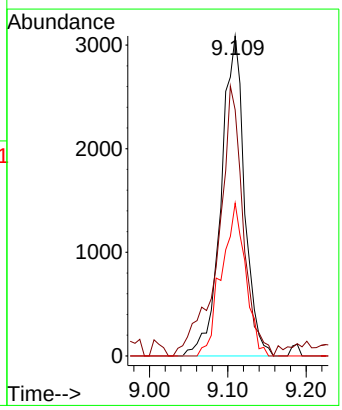


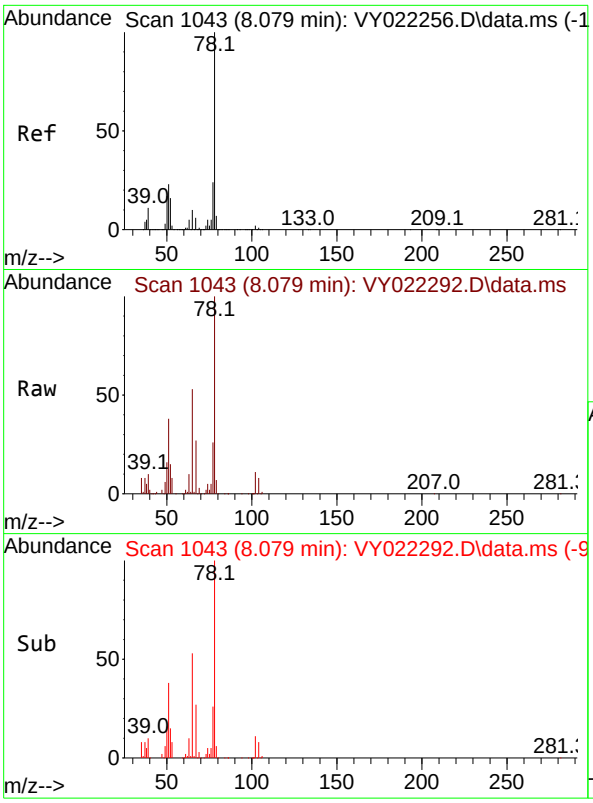


#39
Methylcyclohexane
Concen: 1.003 ug/l
RT: 9.109 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Tgt Ion: 83 Resp: 6416

Ion	Ratio	Lower	Upper
83	100		
55	74.5	60.6	90.8
98	47.7	40.0	60.0



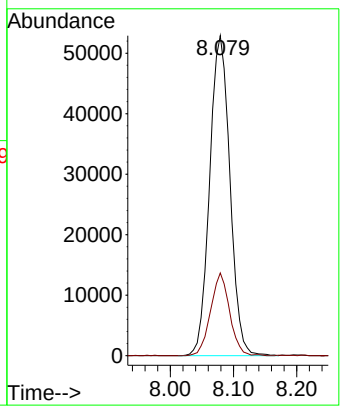


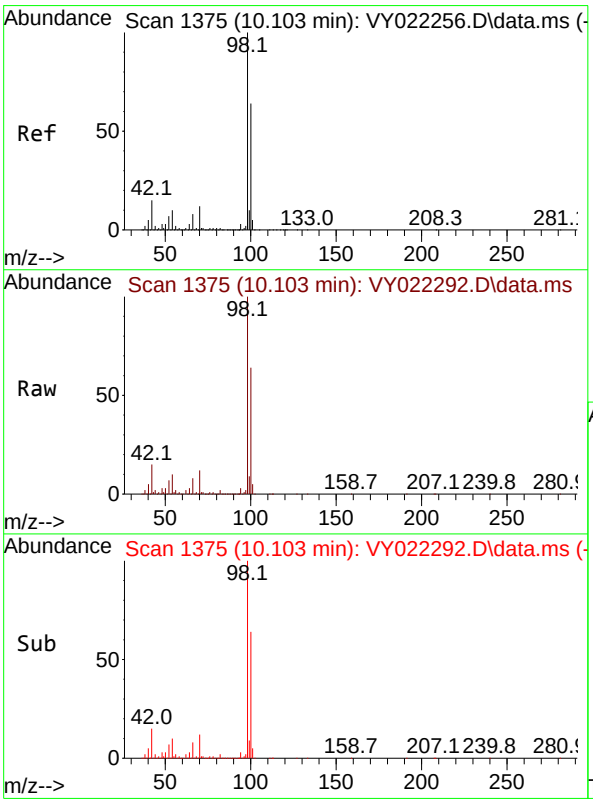
#40
Benzene
Concen: 8.337 ug/l
RT: 8.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

Tgt Ion: 78 Resp: 117629

Ion	Ratio	Lower	Upper
78	100		
77	25.9	18.9	28.3

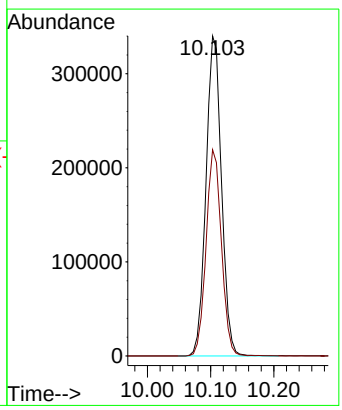


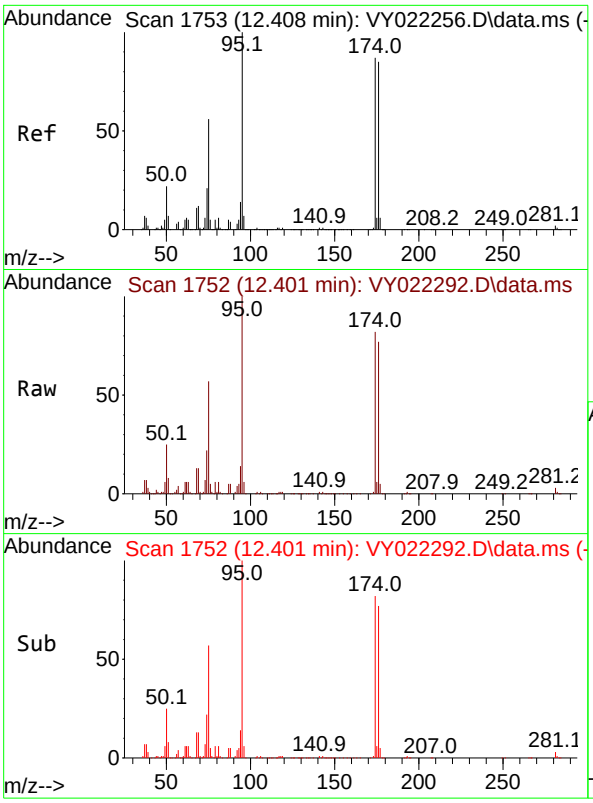


#50
Toluene-d8
Concen: 48.974 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Tgt Ion: 98 Resp: 579549

Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.8	77.8



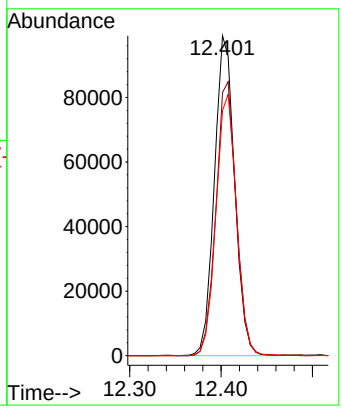


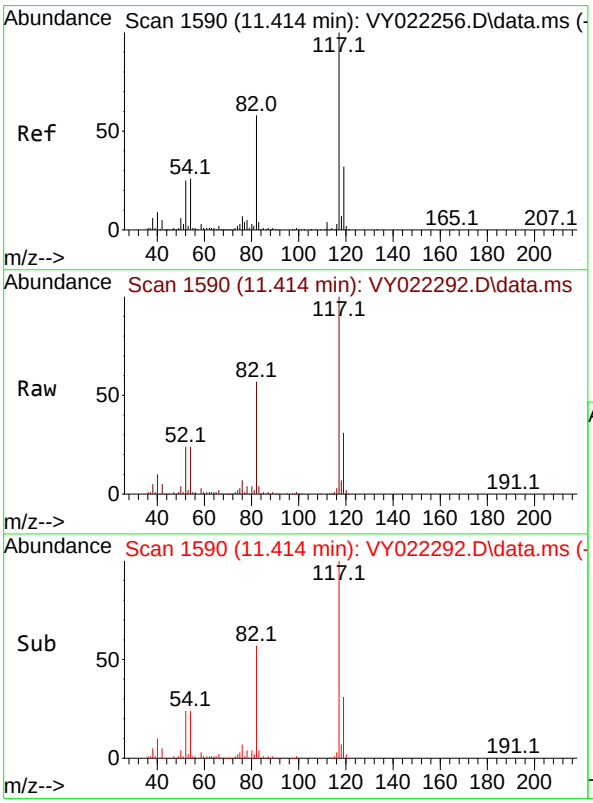
#62
4-Bromofluorobenzene
Concen: 40.760 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

Tgt Ion: 95 Resp: 152887

Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	166.8
176	82.9	0.0	160.8

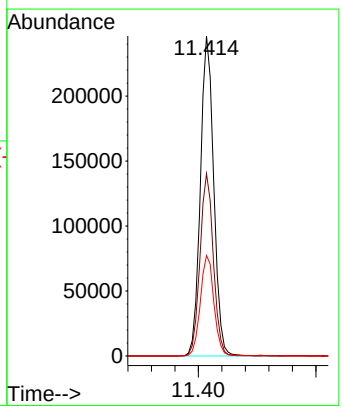


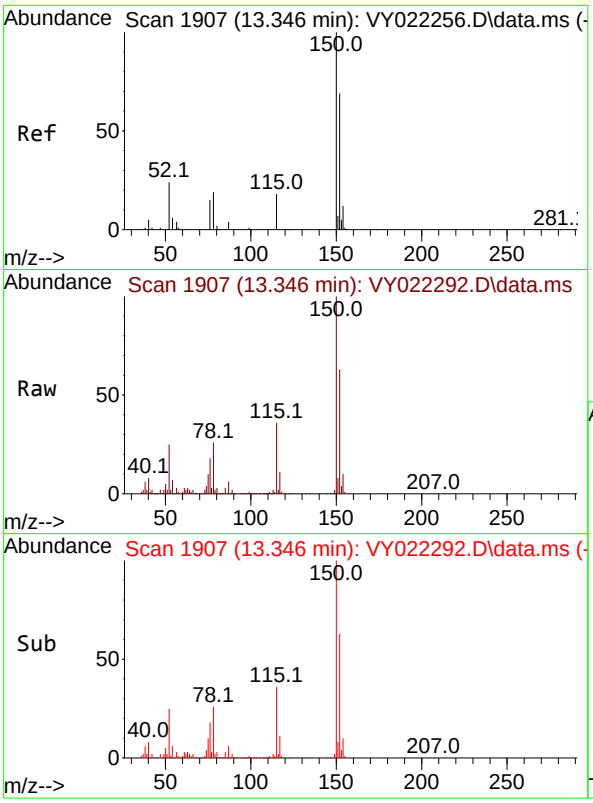


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Tgt Ion:117 Resp: 388336

Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.6	70.0
119	31.4	25.8	38.6



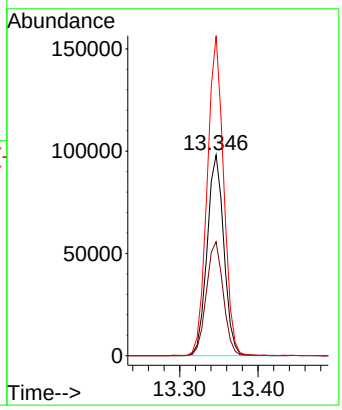


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

Tgt Ion:152 Resp: 145207

Ion	Ratio	Lower	Upper
152	100		
115	57.6	29.4	88.2
150	156.6	0.0	353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022292.D
Acq On : 16 May 2025 15:38
Operator : SY/MD
Sample : Q2010-04
Misc : 7.85g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

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: VY022292.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.824	13	17	20	rBV	13469	20623	1.30%	0.250%
2	2.086	54	60	61	rBV5	9831	19053	1.20%	0.231%
3	2.196	70	78	83	rBV3	18072	43474	2.73%	0.526%
4	2.476	120	124	125	rBV3	13652	18639	1.17%	0.226%
5	2.836	178	183	192	rVB	28316	59907	3.77%	0.725%
6	3.866	344	352	360	rBV	7709	21656	1.36%	0.262%
7	4.610	465	474	481	rBV2	11778	35196	2.21%	0.426%
8	7.634	959	970	975	rBV	210820	499371	31.40%	6.045%
9	7.707	975	982	992	rVB	357595	828044	52.07%	10.024%
10	8.067	1031	1041	1056	rBV3	269794	702997	44.21%	8.510%
11	8.609	1122	1130	1145	rBV	589101	1159546	72.92%	14.037%
12	9.109	1199	1212	1219	rBV3	16096	39401	2.48%	0.477%
13	10.103	1368	1375	1384	rBV	931304	1590214	100.00%	19.251%
14	11.414	1581	1590	1601	rBV	809193	1288175	81.01%	15.594%
15	11.633	1618	1626	1631	rBV2	9499	19525	1.23%	0.236%
16	12.401	1745	1752	1762	rBV	549786	897878	56.46%	10.869%
17	13.346	1900	1907	1917	rVB	635216	950794	59.79%	11.510%
18	13.883	1989	1995	2002	rVB	42574	66056	4.15%	0.800%

Sum of corrected areas: 8260549

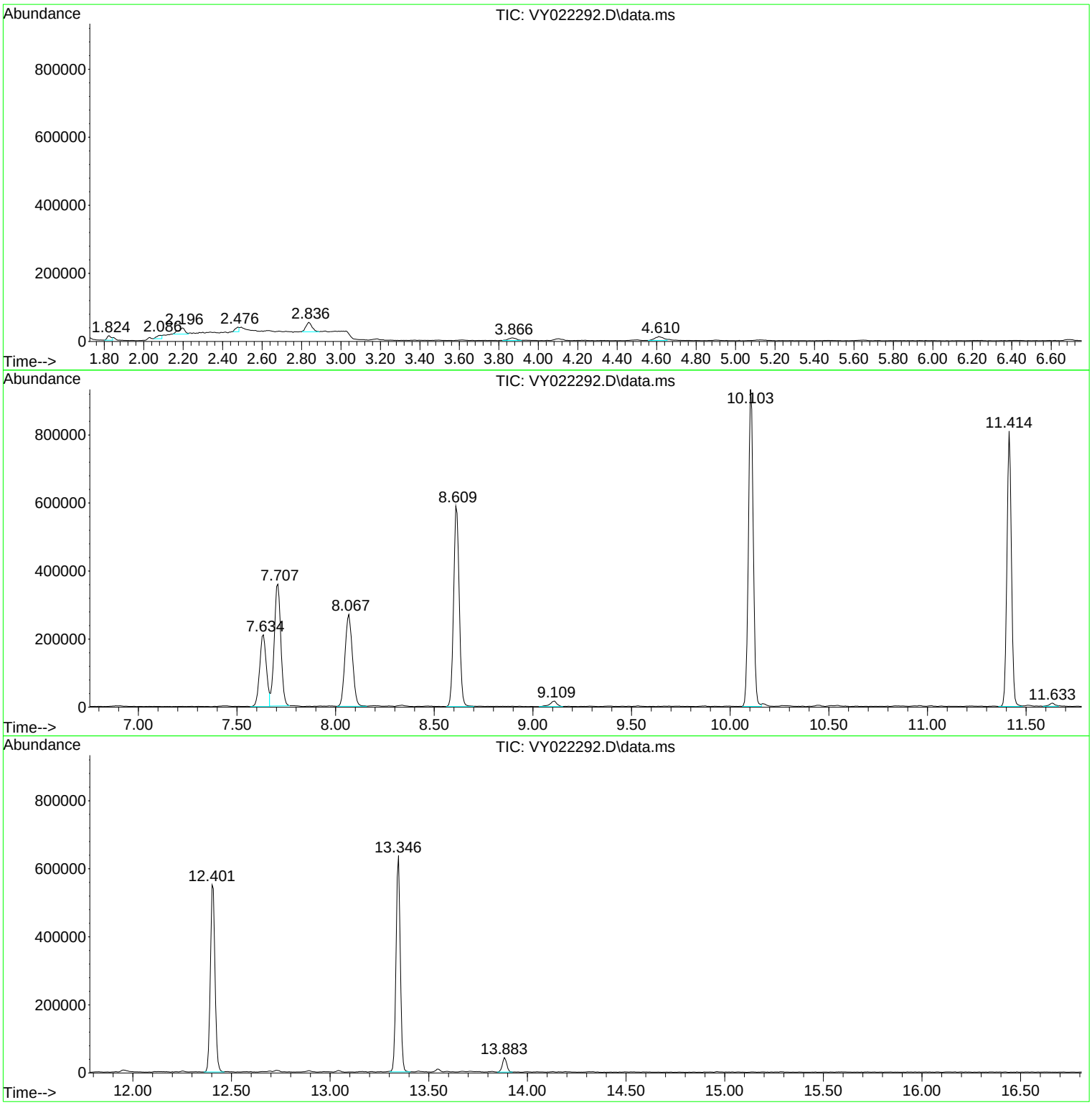
Sample Results: **VY022292.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022292.D
Acq On : 16 May 2025 15:38
Operator : SY/MD
Sample : Q2010-04
Misc : 7.85g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

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 : VY022292.D
Acq On : 16 May 2025 15:38
Operator : SY/MD
Sample : Q2010-04
Misc : 7.85g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

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 : VY022292.D
Acq On : 16 May 2025 15:38
Operator : SY/MD
Sample : Q2010-04
Misc : 7.85g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

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_D\Data\VD051425\
Data File : VD080318.D
Acq On : 14 May 2025 12:59
Operator : RP/MD
Sample : VD0514SBL01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

Quant Time: May 15 03:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

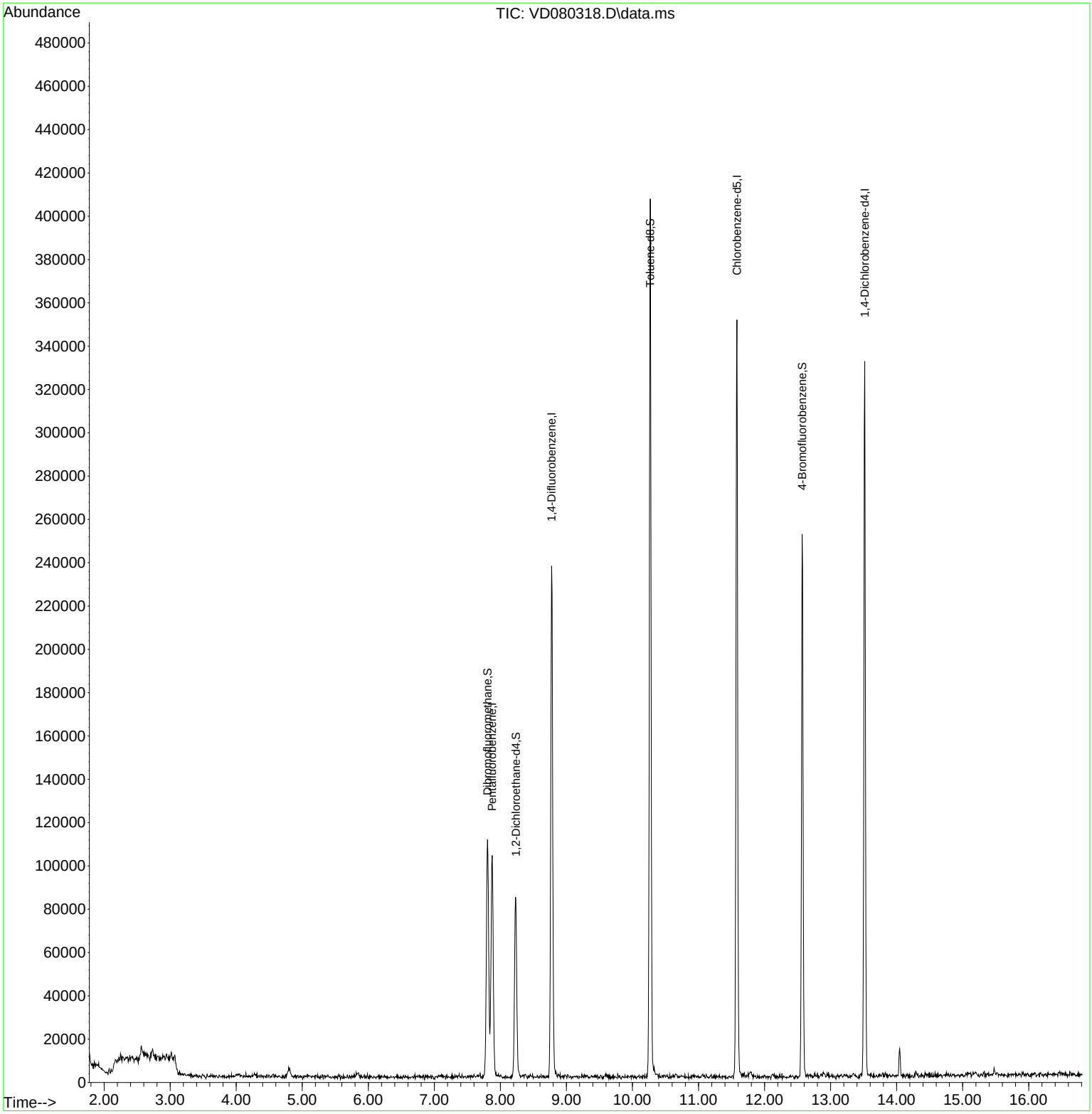
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.876	168	76535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	201385	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	193499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	87202	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	66495	67.185	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.380%			
35) Dibromofluoromethane	7.805	113	79131	58.626	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.260%			
50) Toluene-d8	10.270	98	270367	50.838	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.680%			
62) 4-Bromofluorobenzene	12.570	95	76547	44.844	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 89.680%			
Target Compounds						Qvalue

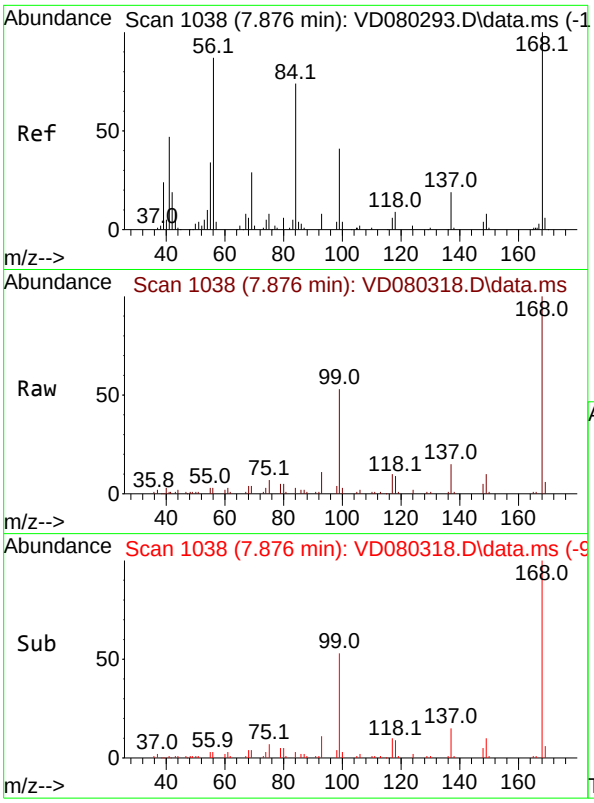
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080318.D
Acq On : 14 May 2025 12:59
Operator : RP/MD
Sample : VD0514SBL01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

Quant Time: May 15 03:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration



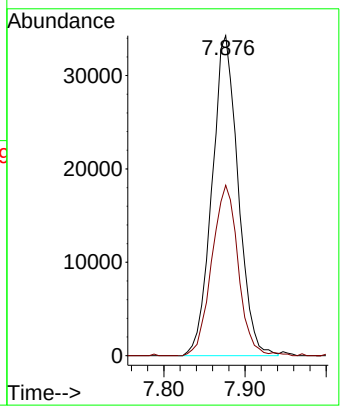


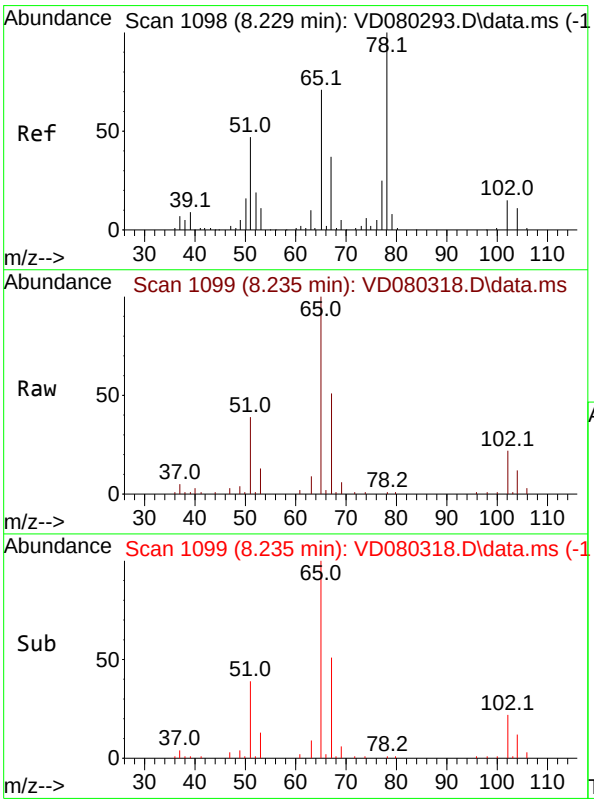
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

Tgt Ion:168 Resp: 76535

Ion	Ratio	Lower	Upper
168	100		
99	53.3	46.0	69.0

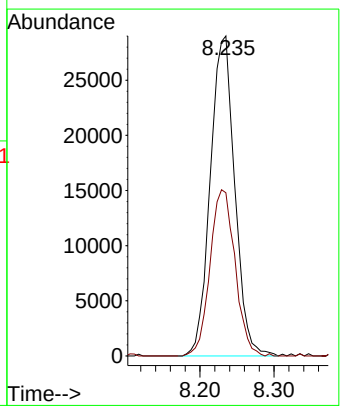


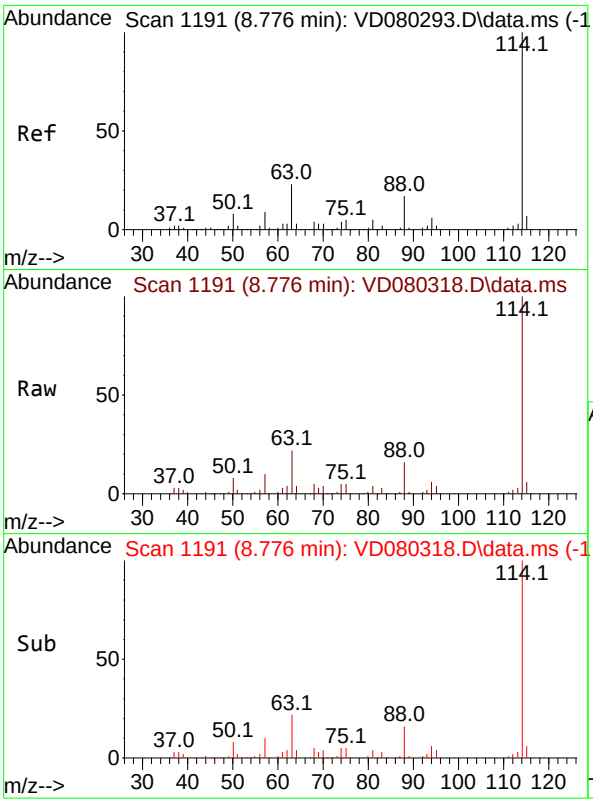


#33
1,2-Dichloroethane-d4
Concen: 67.185 ug/l
RT: 8.235 min Scan# 1099
Delta R.T. 0.007 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

Tgt Ion: 65 Resp: 66495

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	109.2



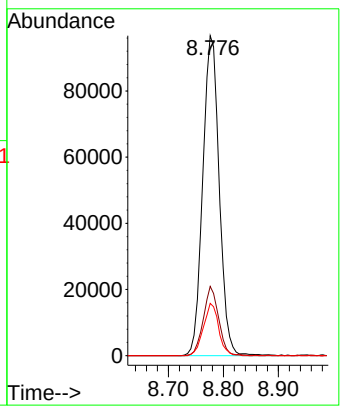


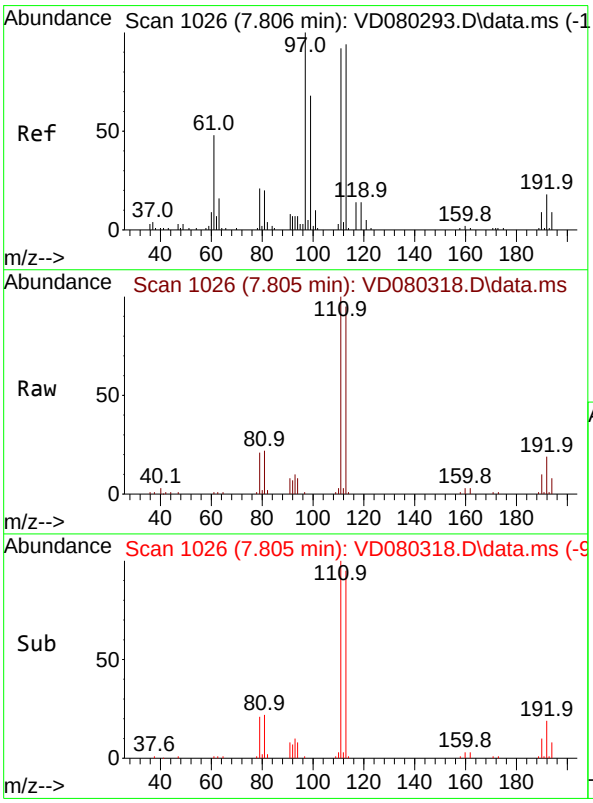
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.776 min Scan# 11
Delta R.T. 0.001 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

Tgt Ion:114 Resp: 201385

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	38.8
88	16.4	0.0	30.6

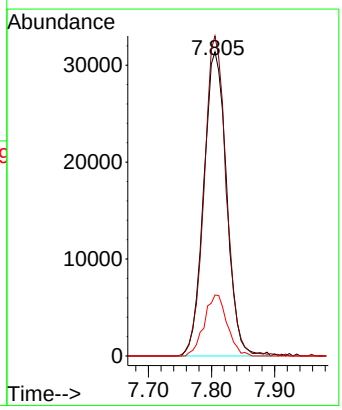


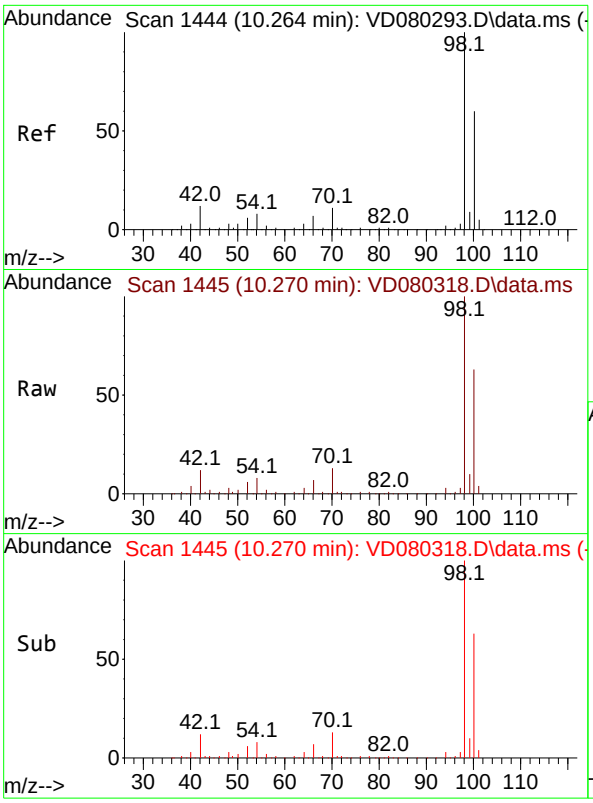


#35
Dibromofluoromethane
Concen: 58.626 ug/l
RT: 7.805 min Scan# 1026
Delta R.T. 0.000 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

Tgt Ion:113 Resp: 79131

Ion	Ratio	Lower	Upper
113	100		
111	100.8	82.5	123.7
192	20.0	16.6	25.0



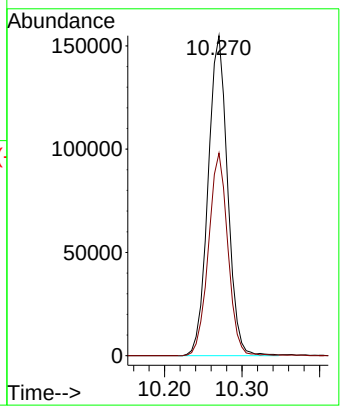


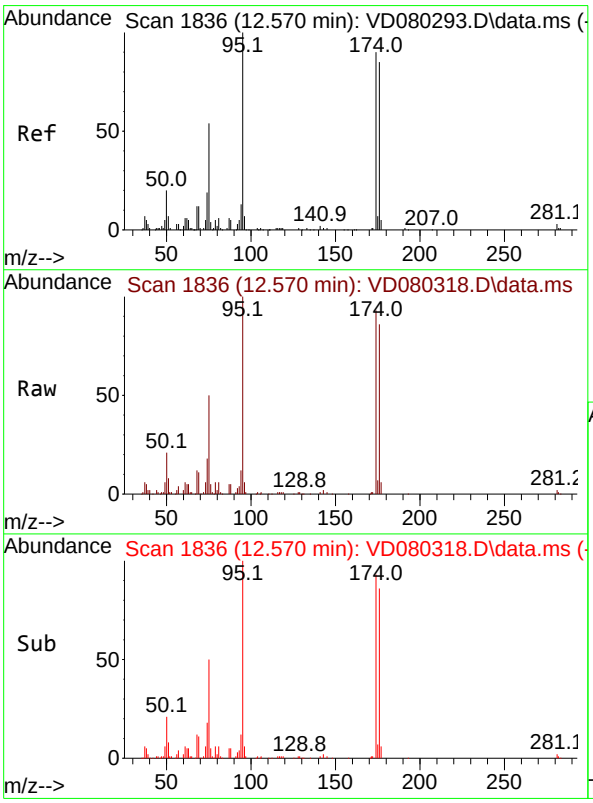
#50
Toluene-d8
Concen: 50.838 ug/l
RT: 10.270 min Scan# 14
Delta R.T. 0.001 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

Tgt Ion: 98 Resp: 270367

Ion	Ratio	Lower	Upper
98	100		
100	62.9	50.2	75.4

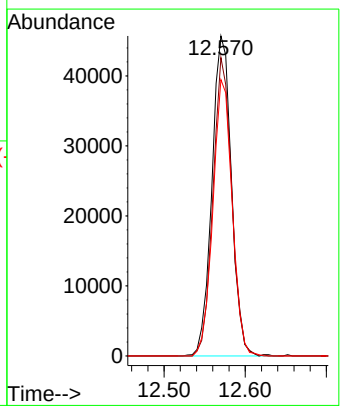


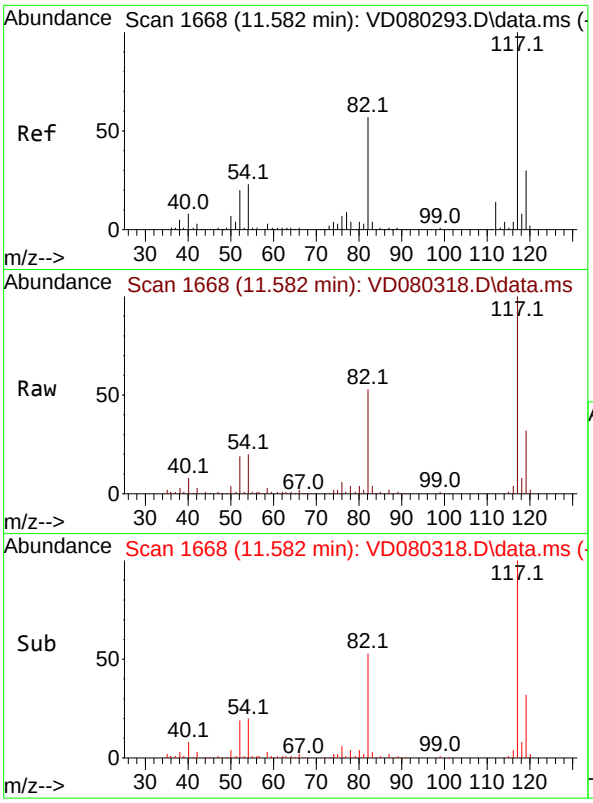


#62
4-Bromofluorobenzene
Concen: 44.844 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

Tgt Ion: 95 Resp: 76547

Ion	Ratio	Lower	Upper
95	100		
174	89.0	0.0	173.4
176	85.1	0.0	166.6



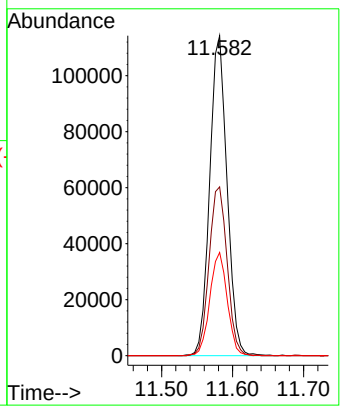


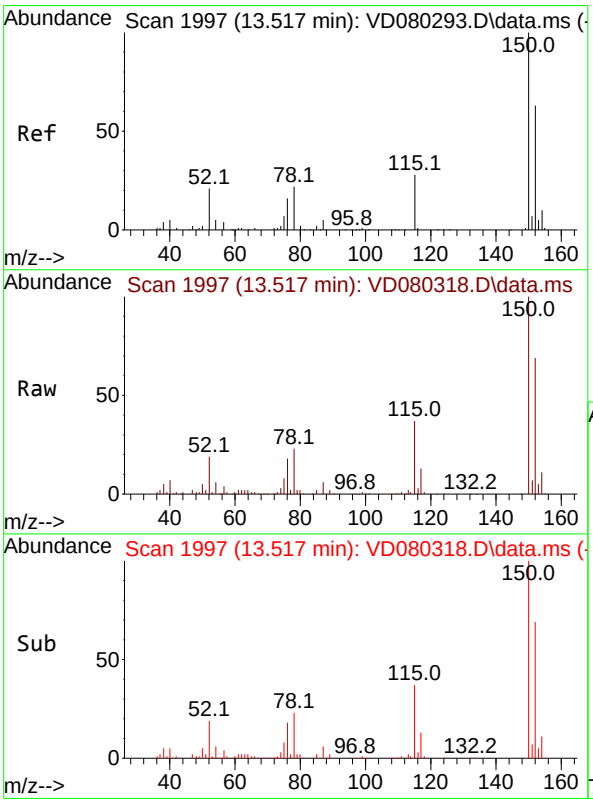
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

Tgt Ion:117 Resp: 193499

Ion	Ratio	Lower	Upper
117	100		
82	52.8	45.8	68.6
119	32.2	26.2	39.2

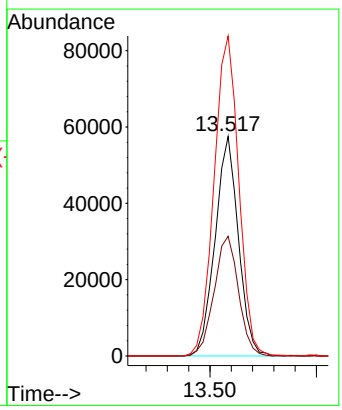




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. 0.001 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

Tgt Ion:152 Resp: 87202

Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.9	86.8
150	154.3	0.0	354.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080318.D
Acq On : 14 May 2025 12:59
Operator : RP/MD
Sample : VD0514SBL01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

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_D\Method\82D050625S.M
Title : SW846 8260

Signal : TIC: VD080318.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.170	59	68	72	rBV4	5718	16122	2.25%	0.457%
2	3.070	218	221	230	rVB4	8919	18631	2.60%	0.529%
3	4.794	508	514	516	rBV3	4574	7362	1.03%	0.209%
4	7.805	1015	1026	1032	rBV2	109573	270100	37.65%	7.663%
5	7.876	1032	1038	1049	rVB2	101854	238112	33.19%	6.756%
6	8.229	1089	1098	1111	rVB2	83384	196950	27.45%	5.588%
7	8.776	1183	1191	1201	rBV	236198	489826	68.27%	13.897%
8	10.270	1437	1445	1454	rBV	405456	717441	100.00%	20.355%
9	11.582	1659	1668	1676	rBV	350290	610857	85.14%	17.331%
10	12.570	1830	1836	1843	rBV	250278	414832	57.82%	11.769%
11	13.517	1990	1997	2005	rVB	329578	526544	73.39%	14.939%
12	14.046	2083	2087	2091	rVB2	12420	17875	2.49%	0.507%

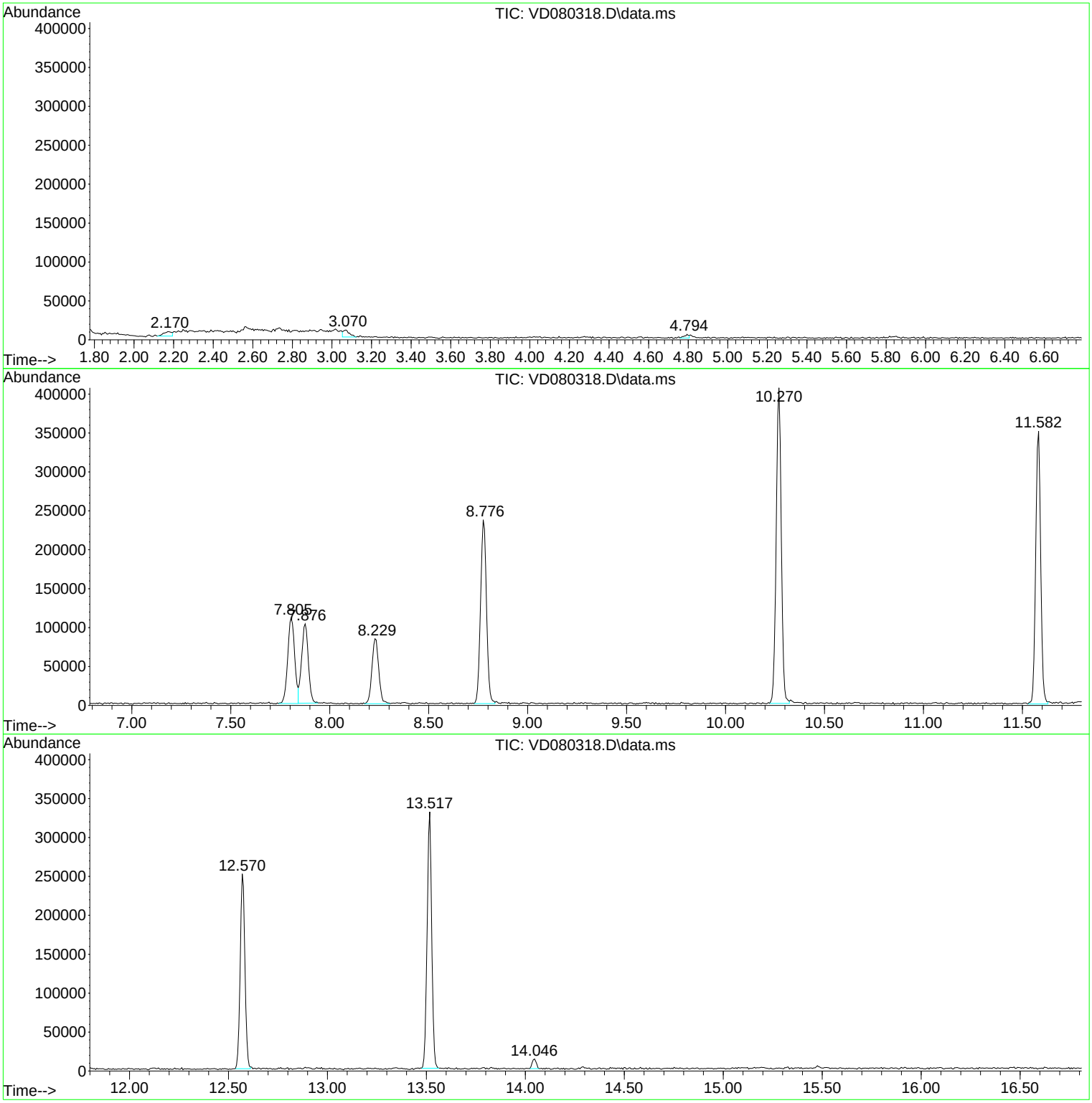
Sum of corrected areas: 3524652

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080318.D
Acq On : 14 May 2025 12:59
Operator : RP/MD
Sample : VD0514SBL01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080318.D
Acq On : 14 May 2025 12:59
Operator : RP/MD
Sample : VD0514SBL01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.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_D\Data\VD051425\
Data File : VD080318.D
Acq On : 14 May 2025 12:59
Operator : RP/MD
Sample : VD0514SBL01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.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 : 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%			

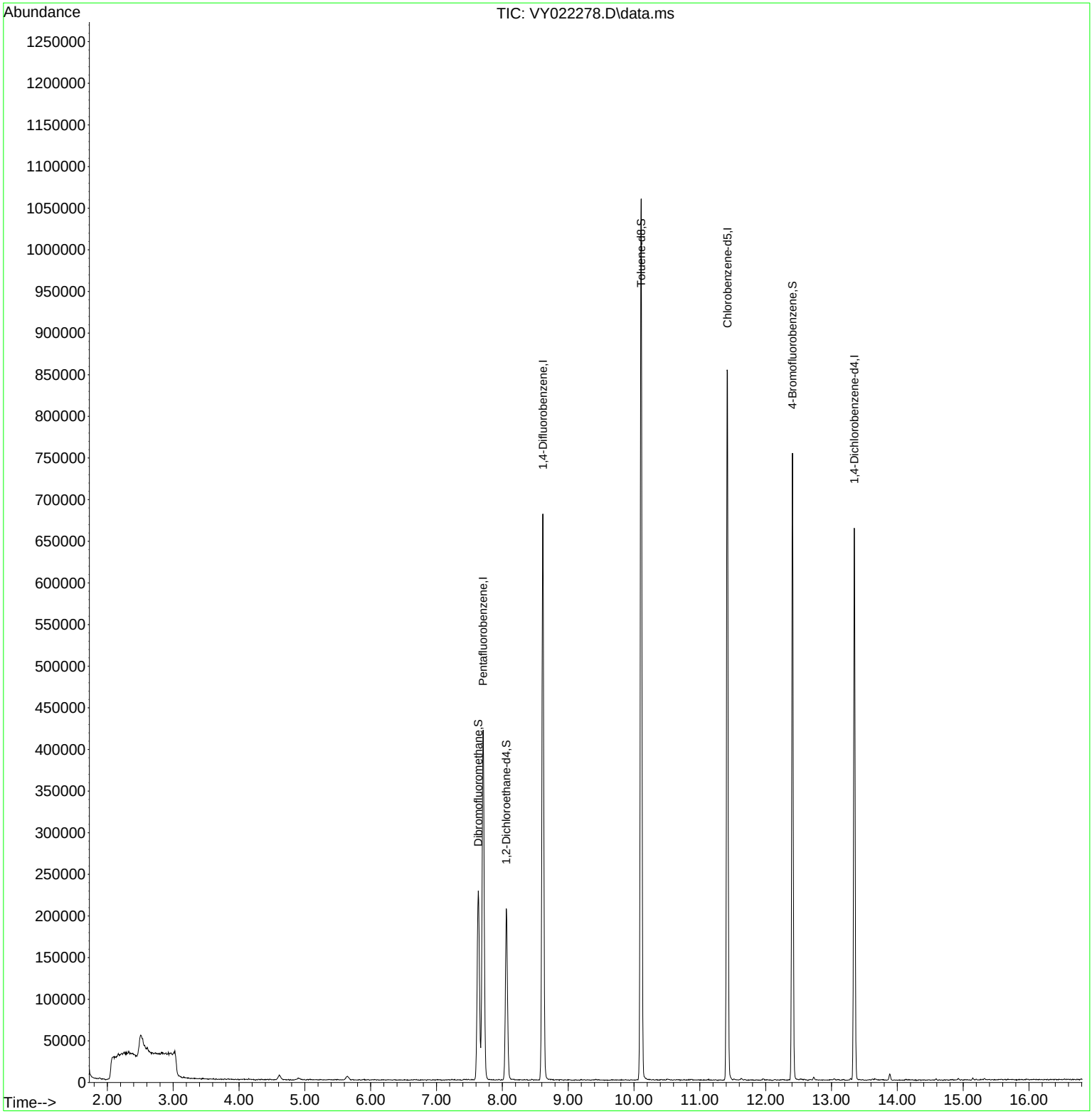
Target Compounds Qvalue

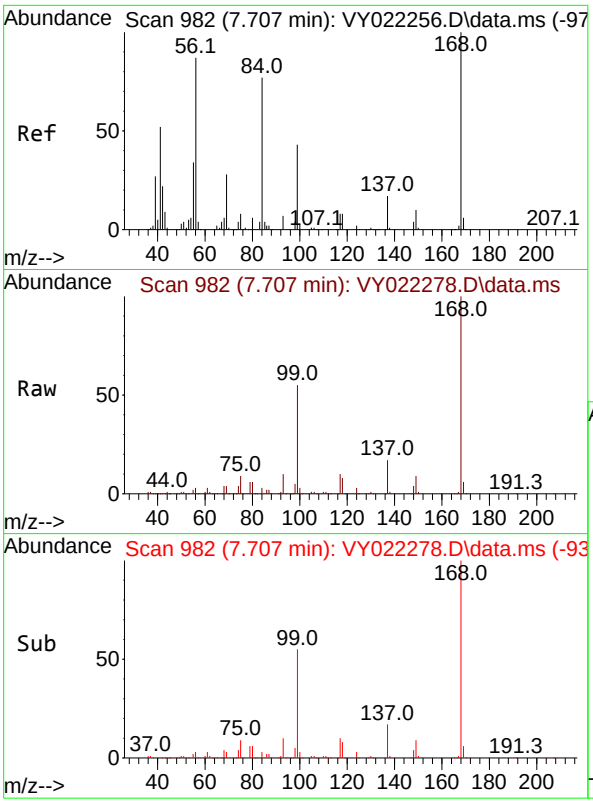
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



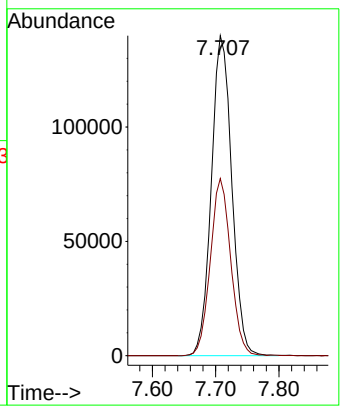


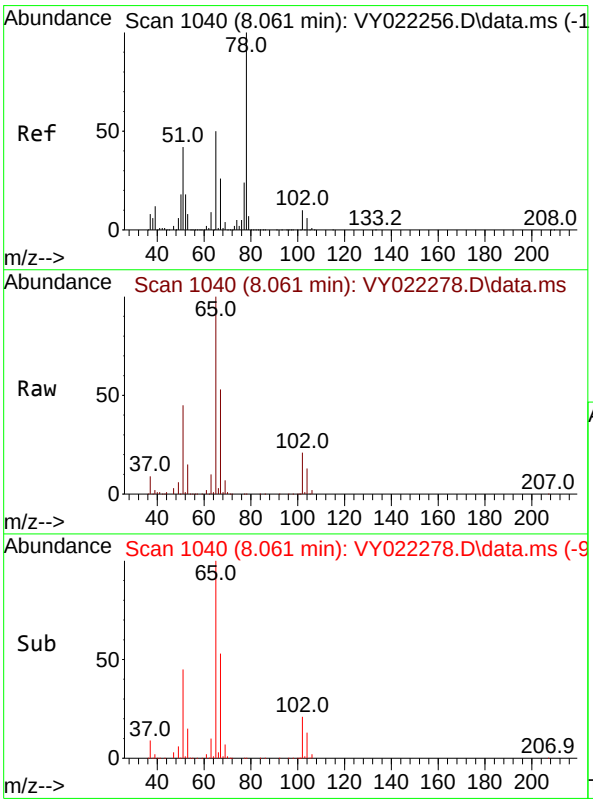
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Tgt Ion:168 Resp: 314347

Ion	Ratio	Lower	Upper
168	100		
99	55.4	44.2	66.4

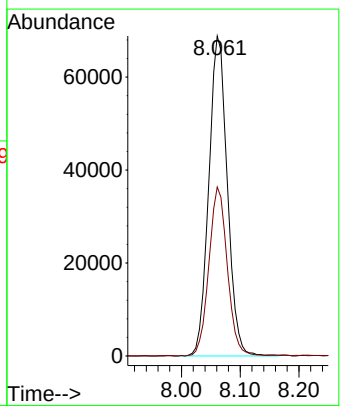


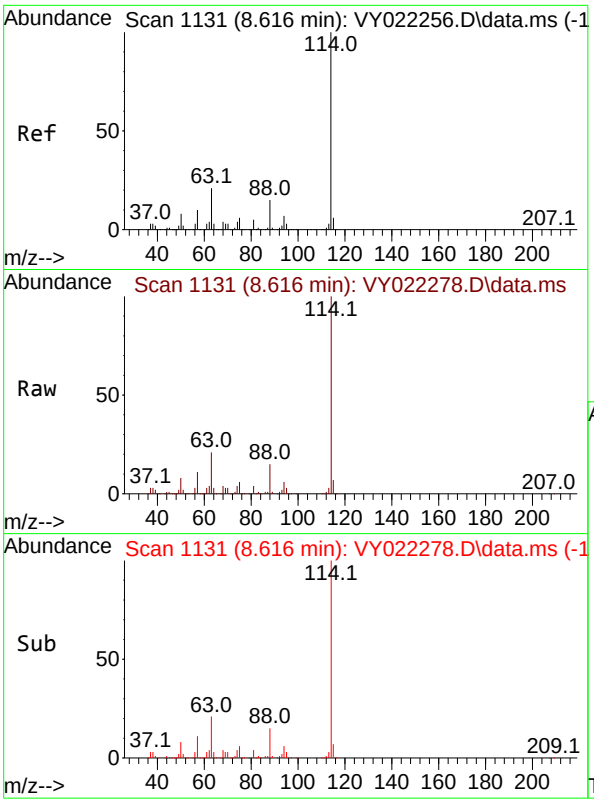


#33
1,2-Dichloroethane-d4
Concen: 43.903 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Tgt Ion: 65 Resp: 150831

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.6



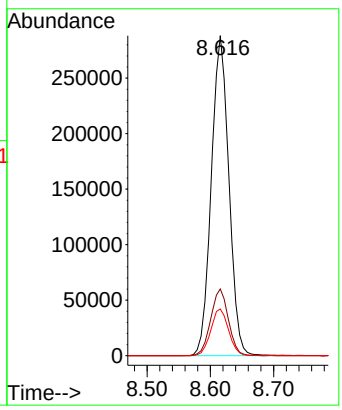


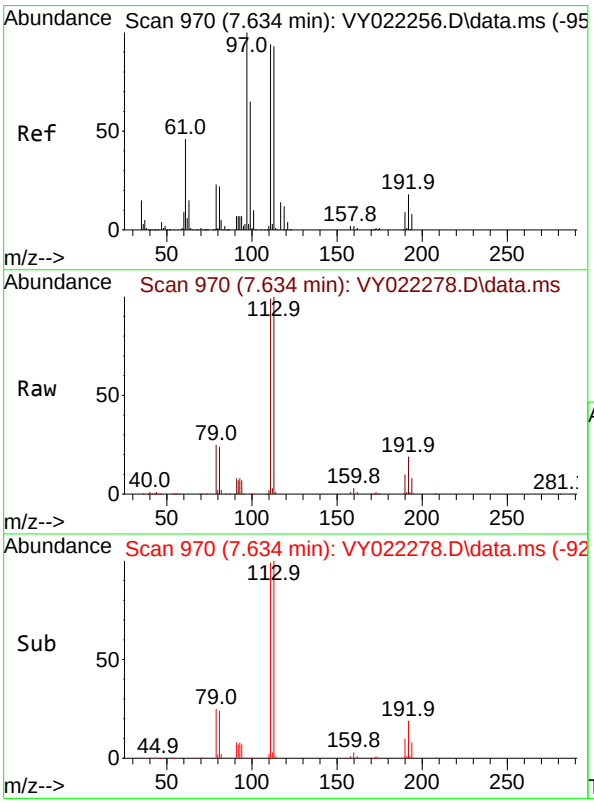
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

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

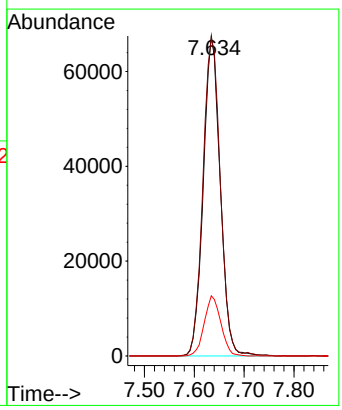


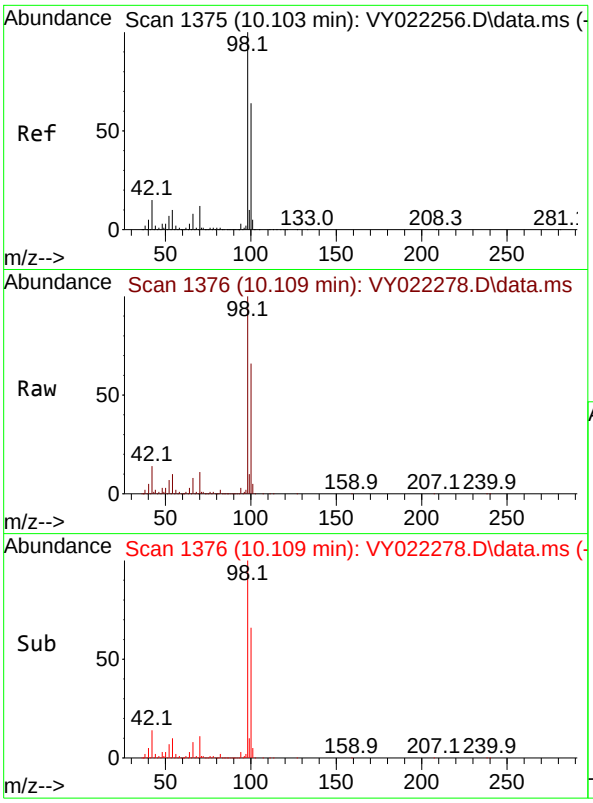


#35
Dibromofluoromethane
Concen: 47.945 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

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



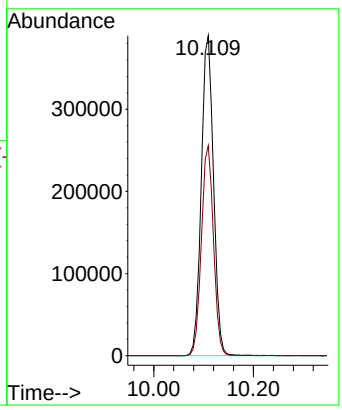


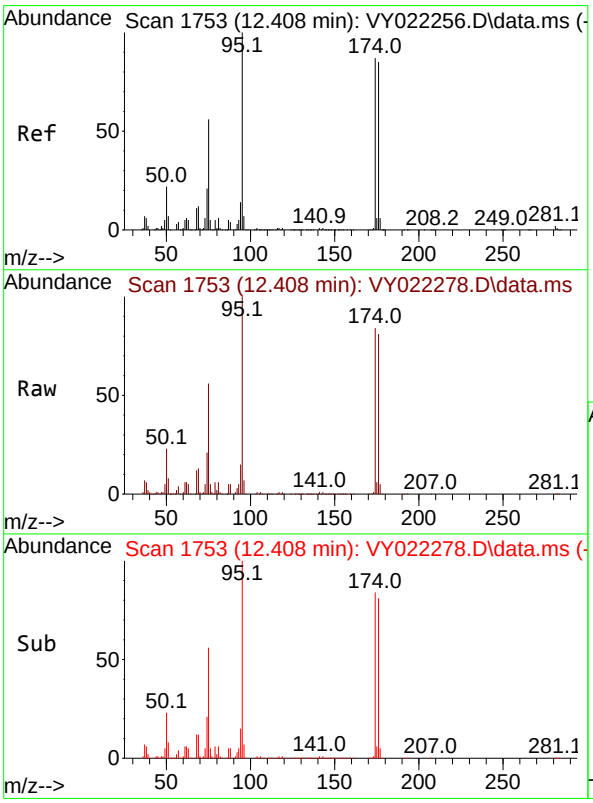
#50
Toluene-d8
Concen: 48.771 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Tgt Ion: 98 Resp: 662270

Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.8	77.8

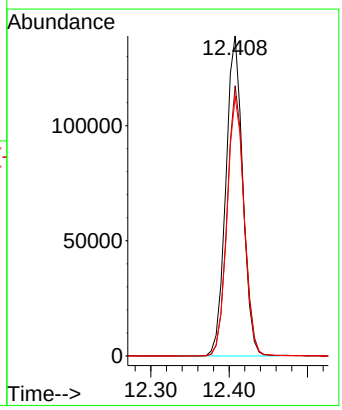


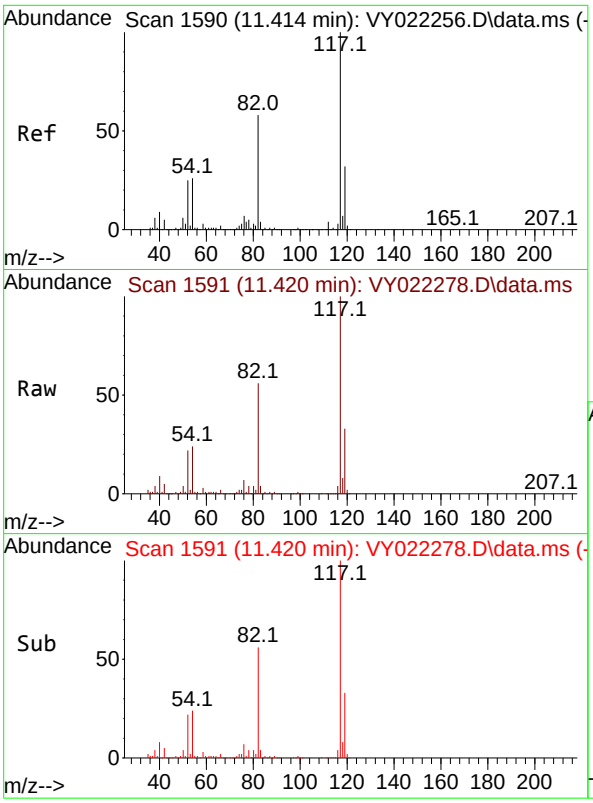


#62
4-Bromofluorobenzene
Concen: 48.485 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

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



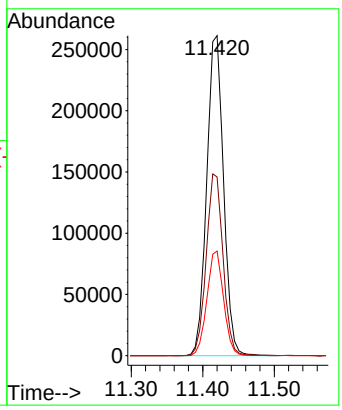


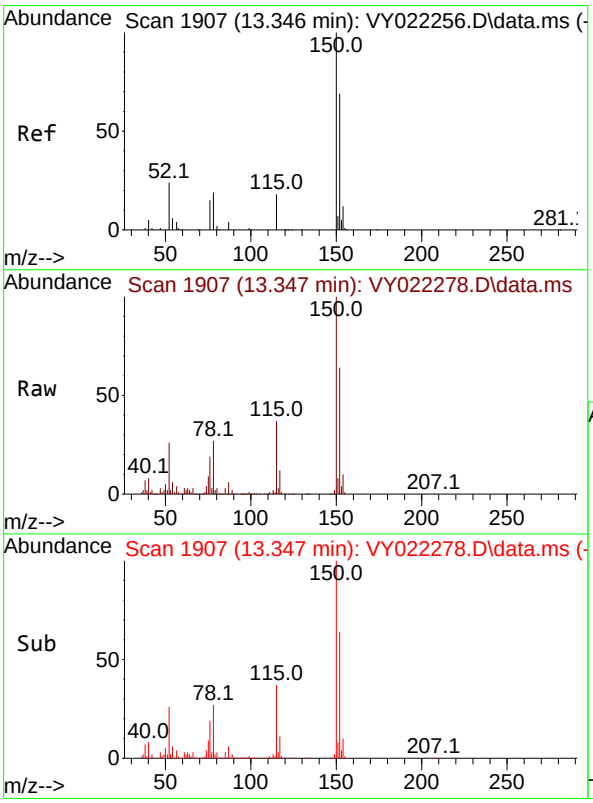
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

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

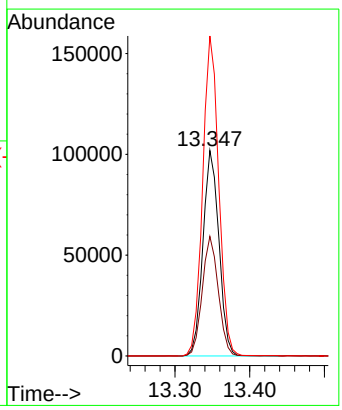




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

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



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

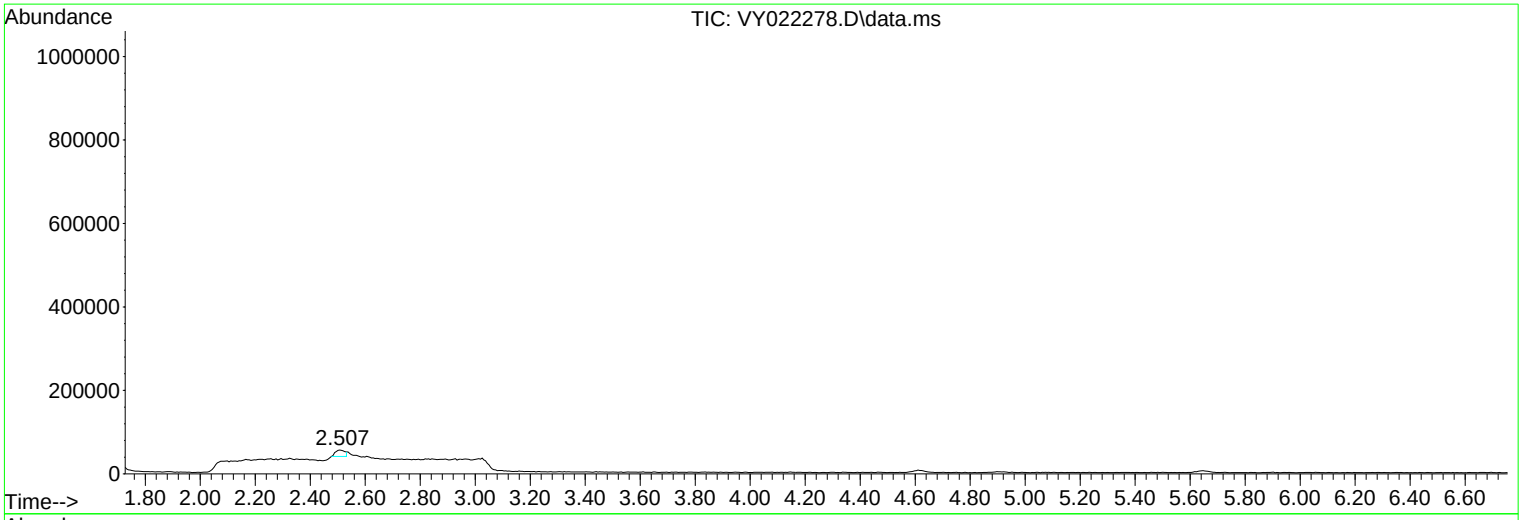
Sample Results: **VY022278.D**

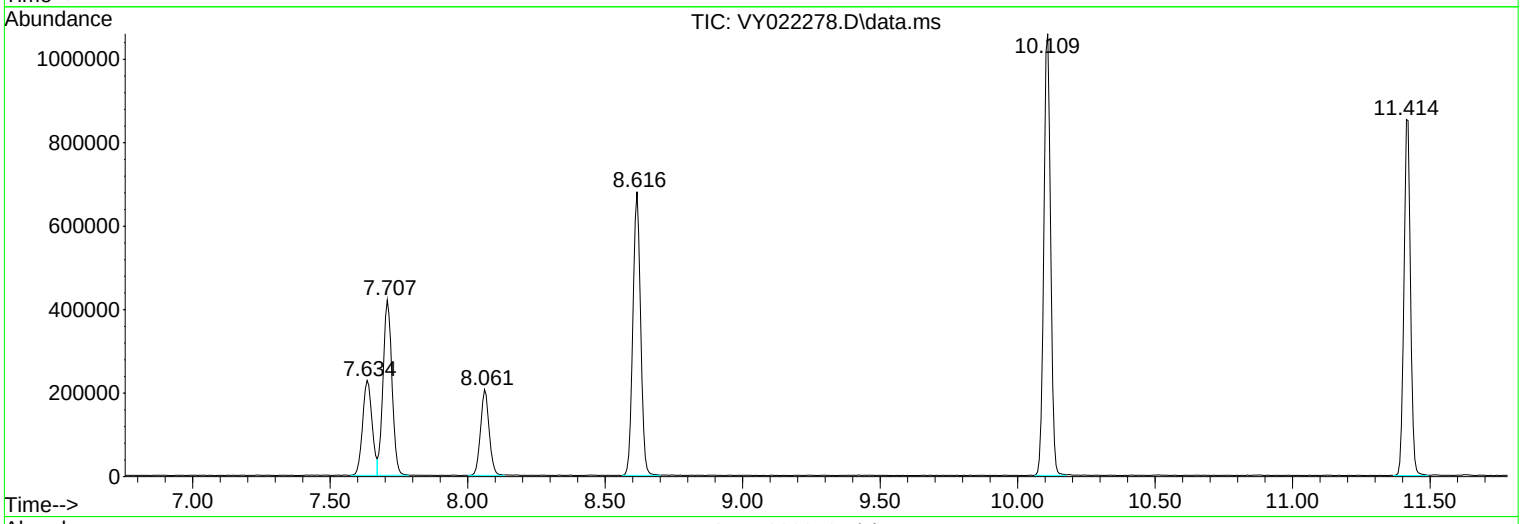
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022278.D
Acq On : 16 May 2025 09:37
Operator : SY/MD
Sample : VY0516SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

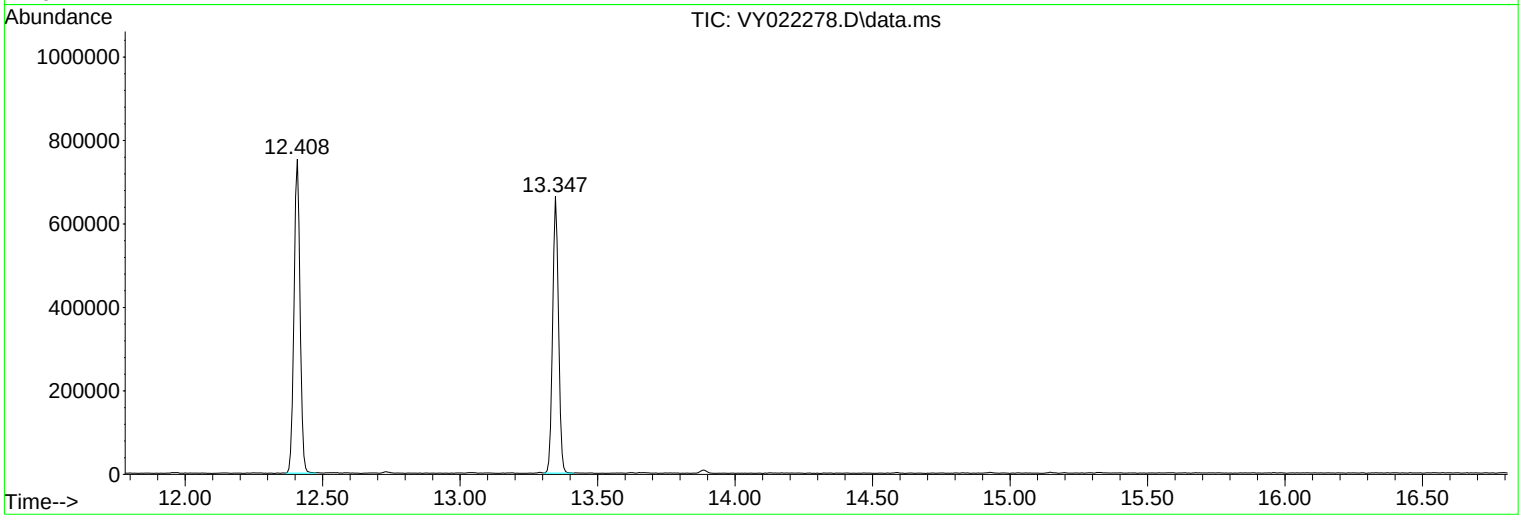
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

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

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_D\Data\VD051425\
Data File : VD080319.D
Acq On : 14 May 2025 13:29
Operator : RP/MD
Sample : VD0514SBS01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 15 03:33:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.876	168	107481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	177282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.576	117	170015	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	97541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	67259	48.391	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.780%			
35) Dibromofluoromethane	7.800	113	62017	52.194	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.380%			
50) Toluene-d8	10.270	98	238107	50.859	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.720%			
62) 4-Bromofluorobenzene	12.570	95	74436	49.536	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.935	85	27472	26.254	ug/l	96
3) Chloromethane	2.153	50	41778	19.600	ug/l	91
4) Vinyl Chloride	2.282	62	55671	19.924	ug/l	98
5) Bromomethane	2.676	94	41154	20.461	ug/l	99
6) Chloroethane	2.829	64	40486	20.493	ug/l	96
7) Trichlorofluoromethane	3.165	101	46677	21.786	ug/l	92
8) Diethyl Ether	3.594	74	12845	19.422	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.965	101	28366	21.488	ug/l	96
10) Methyl Iodide	4.159	142	26930	20.012	ug/l	97
11) Tert butyl alcohol	5.059	59	7831	92.849	ug/l #	85
12) 1,1-Dichloroethene	3.935	96	24417	18.762	ug/l	97
13) Acrolein	3.794	56	8182	55.136	ug/l	98
14) Allyl chloride	4.559	41	36801	17.980	ug/l	98
15) Acrylonitrile	5.259	53	28853	90.745	ug/l	97
16) Acetone	4.023	43	21334	89.429	ug/l	96
17) Carbon Disulfide	4.265	76	89197	19.737	ug/l	97
18) Methyl Acetate	4.564	43	16569	18.423	ug/l	99
19) Methyl tert-butyl Ether	5.312	73	53626	18.756	ug/l	100
20) Methylene Chloride	4.794	84	34732	21.194	ug/l	97
21) trans-1,2-Dichloroethene	5.306	96	28134	19.899	ug/l	97
22) Diisopropyl ether	6.211	45	79835	18.935	ug/l #	92
23) Vinyl Acetate	6.159	43	217491	88.567	ug/l	96
24) 1,1-Dichloroethane	6.106	63	53309	20.093	ug/l	99
25) 2-Butanone	7.088	43	34209	89.452	ug/l #	84
26) 2,2-Dichloropropane	7.070	77	40770	19.311	ug/l	98
27) cis-1,2-Dichloroethene	7.076	96	31080	19.841	ug/l	98
28) Bromochloromethane	7.429	49	22901	18.538	ug/l	93
29) Tetrahydrofuran	7.447	42	21330	85.543	ug/l	98
30) Chloroform	7.594	83	55010	20.791	ug/l	92
31) Cyclohexane	7.876	56	39699	17.581	ug/l	96
32) 1,1,1-Trichloroethane	7.788	97	45775	21.206	ug/l	97
36) 1,1-Dichloropropene	8.011	75	35667	20.085	ug/l	96
37) Ethyl Acetate	7.170	43	17001	18.308	ug/l #	75
38) Carbon Tetrachloride	7.988	117	40179	21.695	ug/l	97
39) Methylcyclohexane	9.276	83	40065	19.443	ug/l	85
40) Benzene	8.253	78	113402	20.381	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080319.D
Acq On : 14 May 2025 13:29
Operator : RP/MD
Sample : VD0514SBS01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 15 03:33:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.400	41	7757	15.095 ug/l #	88
42) 1,2-Dichloroethane	8.323	62	32908	20.410 ug/l	97
43) Isopropyl Acetate	8.358	43	31415	18.657 ug/l	98
44) Trichloroethene	9.023	130	26968	20.879 ug/l	91
45) 1,2-Dichloropropane	9.305	63	28878	20.236 ug/l	99
46) Dibromomethane	9.400	93	17384	22.375 ug/l	93
47) Bromodichloromethane	9.582	83	40727	20.652 ug/l	96
48) Methyl methacrylate	9.382	41	14320	17.898 ug/l	95
49) 1,4-Dioxane	9.388	88	3208	347.288 ug/l #	81
51) 4-Methyl-2-Pentanone	10.158	43	83049	95.722 ug/l	95
52) Toluene	10.329	92	69381	20.698 ug/l	96
53) t-1,3-Dichloropropene	10.552	75	36477	20.290 ug/l	99
54) cis-1,3-Dichloropropene	10.017	75	41897	20.111 ug/l	98
55) 1,1,2-Trichloroethane	10.735	97	21733	21.147 ug/l	93
56) Ethyl methacrylate	10.599	69	23476	18.851 ug/l	94
57) 1,3-Dichloropropane	10.876	76	35143	20.575 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	48087	94.353 ug/l	100
59) 2-Hexanone	10.923	43	54364	91.088 ug/l	95
60) Dibromochloromethane	11.070	129	28525	22.148 ug/l	97
61) 1,2-Dibromoethane	11.176	107	20360	21.364 ug/l	99
64) Tetrachloroethene	10.811	164	23412	20.335 ug/l	96
65) Chlorobenzene	11.605	112	75933	19.780 ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.682	131	28484	21.597 ug/l	94
67) Ethyl Benzene	11.682	91	122591	19.109 ug/l	99
68) m/p-Xylenes	11.794	106	98831	39.676 ug/l	99
69) o-Xylene	12.123	106	43731	19.212 ug/l	95
70) Styrene	12.135	104	81912	20.041 ug/l	99
71) Bromoform	12.294	173	16491	21.045 ug/l #	95
73) Isopropylbenzene	12.417	105	112106	17.718 ug/l	99
74) N-amyl acetate	12.229	43	30586	16.843 ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.670	83	27288	19.612 ug/l	96
76) 1,2,3-Trichloropropane	12.717	75	16216m	17.225 ug/l	
77) Bromobenzene	12.699	156	31996	19.495 ug/l	99
78) n-propylbenzene	12.758	91	146938	18.505 ug/l	99
79) 2-Chlorotoluene	12.846	91	85532	18.519 ug/l	100
80) 1,3,5-Trimethylbenzene	12.899	105	100614	18.644 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.470	75	9608	19.373 ug/l	96
82) 4-Chlorotoluene	12.946	91	96999	19.456 ug/l	99
83) tert-Butylbenzene	13.164	119	80789	17.940 ug/l	98
84) 1,2,4-Trimethylbenzene	13.211	105	102548	18.572 ug/l	99
85) sec-Butylbenzene	13.341	105	127008	18.289 ug/l	99
86) p-Isopropyltoluene	13.458	119	103447	17.724 ug/l	99
87) 1,3-Dichlorobenzene	13.458	146	63836	18.650 ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	64159	18.594 ug/l	98
89) n-Butylbenzene	13.782	91	100066	17.661 ug/l	99
90) Hexachloroethane	14.052	117	25240	19.544 ug/l	97
91) 1,2-Dichlorobenzene	13.829	146	58430	19.652 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.446	75	3998	18.029 ug/l	99
93) 1,2,4-Trichlorobenzene	15.099	180	32872	17.580 ug/l	98
94) Hexachlorobutadiene	15.199	225	18668	19.190 ug/l	100
95) Naphthalene	15.329	128	59175	16.854 ug/l	98
96) 1,2,3-Trichlorobenzene	15.517	180	30749	18.386 ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080319.D
Acq On : 14 May 2025 13:29
Operator : RP/MD
Sample : VD0514SBS01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 15 03:33:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

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

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

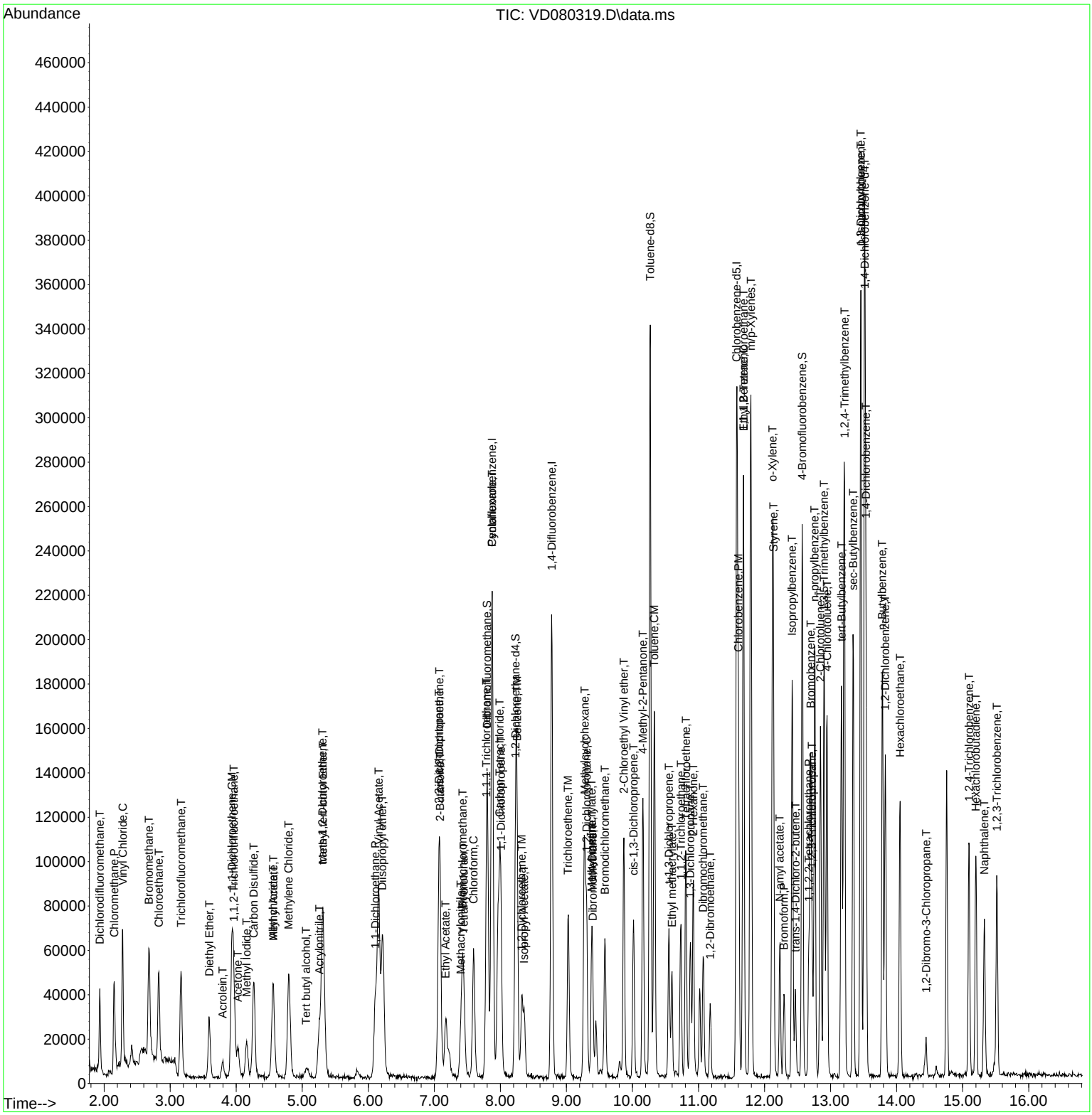
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080319.D
Acq On : 14 May 2025 13:29
Operator : RP/MD
Sample : VD0514SBS01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 15 03:33:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025



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

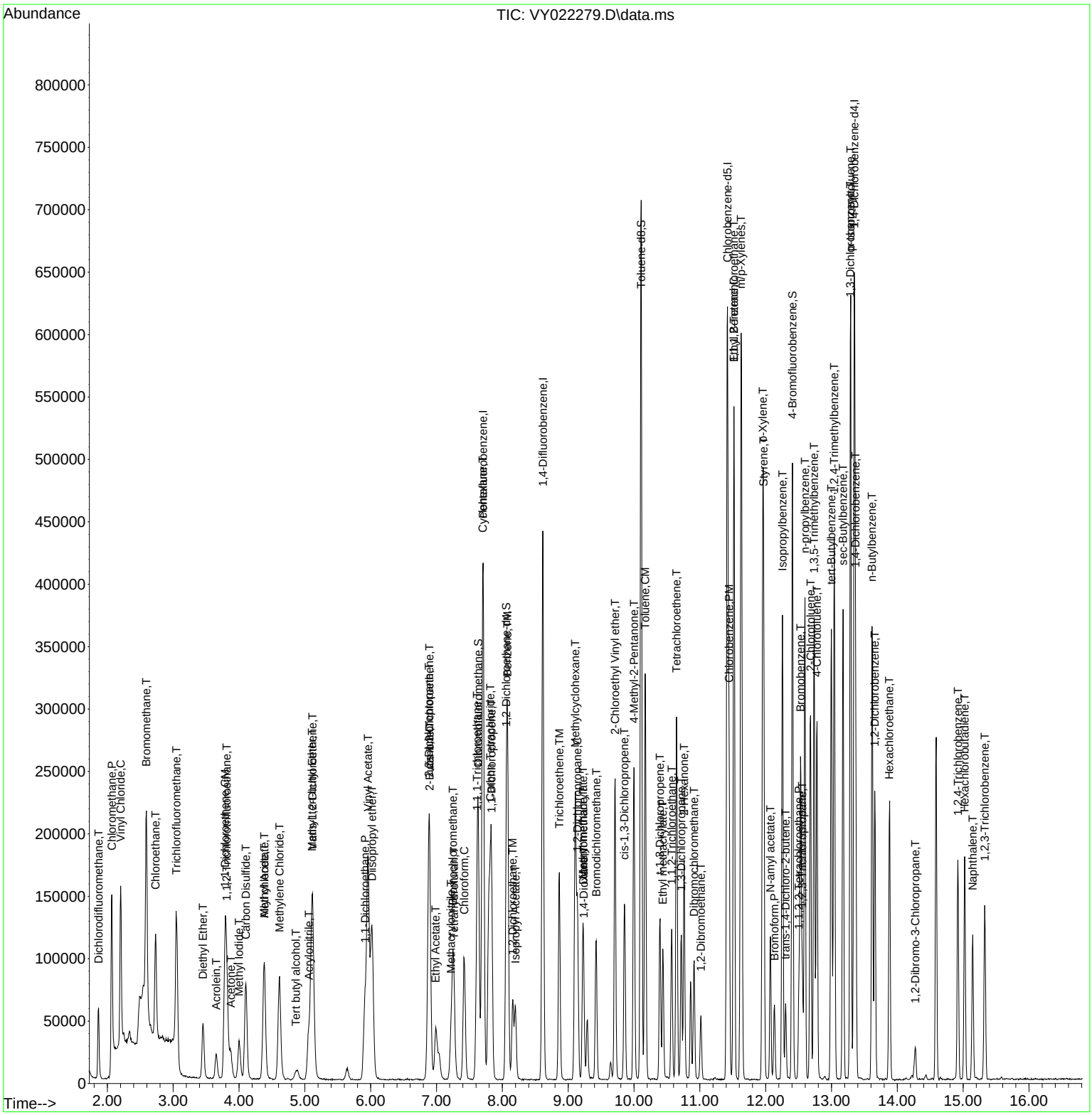
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022279.D
Acq On : 16 May 2025 10:09
Operator : SY/MD
Sample : VY0516SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080320.D
Acq On : 14 May 2025 13:57
Operator : RP/MD
Sample : VD0514SBSD01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 15 03:34:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.876	168	108123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	175447	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	170138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	94201	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	66869	47.825	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.640%			
35) Dibromofluoromethane	7.805	113	62231	52.922	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.840%			
50) Toluene-d8	10.270	98	237057	51.165	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.320%			
62) 4-Bromofluorobenzene	12.570	95	76682	51.564	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.120%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.935	85	27447	26.028	ug/l	93
3) Chloromethane	2.153	50	43430	20.439	ug/l	97
4) Vinyl Chloride	2.276	62	58270	20.730	ug/l	98
5) Bromomethane	2.682	94	40608	20.070	ug/l	98
6) Chloroethane	2.823	64	41644	20.954	ug/l	93
7) Trichlorofluoromethane	3.164	101	45828	21.263	ug/l	100
8) Diethyl Ether	3.588	74	12717	19.114	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.959	101	25769	19.405	ug/l	98
10) Methyl Iodide	4.159	142	28146	20.792	ug/l	97
11) Tert butyl alcohol	5.070	59	8113m	95.621	ug/l	
12) 1,1-Dichloroethene	3.935	96	25302	19.326	ug/l #	92
13) Acrolein	3.806	56	8764	58.707	ug/l	96
14) Allyl chloride	4.564	41	34037	16.531	ug/l	91
15) Acrylonitrile	5.253	53	30044	93.929	ug/l	99
16) Acetone	4.023	43	23160	98.134	ug/l	98
17) Carbon Disulfide	4.264	76	88967	19.569	ug/l	100
18) Methyl Acetate	4.564	43	19185	21.205	ug/l	99
19) Methyl tert-butyl Ether	5.323	73	54758	19.039	ug/l	99
20) Methylene Chloride	4.794	84	35374	21.509	ug/l #	85
21) trans-1,2-Dichloroethene	5.311	96	27157	19.094	ug/l	94
22) Diisopropyl ether	6.217	45	80858	19.064	ug/l	94
23) Vinyl Acetate	6.158	43	223292	90.390	ug/l	98
24) 1,1-Dichloroethane	6.111	63	52770	19.771	ug/l	99
25) 2-Butanone	7.082	43	34843	90.569	ug/l	94
26) 2,2-Dichloropropane	7.082	77	40387	19.016	ug/l	97
27) cis-1,2-Dichloroethene	7.082	96	30708	19.488	ug/l	98
28) Bromochloromethane	7.423	49	24188	19.464	ug/l	98
29) Tetrahydrofuran	7.452	42	24338	97.027	ug/l	95
30) Chloroform	7.594	83	54260	20.386	ug/l	97
31) Cyclohexane	7.876	56	40481	17.821	ug/l	98
32) 1,1,1-Trichloroethane	7.794	97	43747	20.146	ug/l	95
36) 1,1-Dichloropropene	8.005	75	36327	20.670	ug/l	97
37) Ethyl Acetate	7.164	43	17745	19.309	ug/l	97
38) Carbon Tetrachloride	7.994	117	38773	21.155	ug/l	89
39) Methylcyclohexane	9.276	83	37166	18.225	ug/l	98
40) Benzene	8.252	78	112886	20.500	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080320.D
Acq On : 14 May 2025 13:57
Operator : RP/MD
Sample : VD0514SBSD01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 15 03:34:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.400	41	9234	18.157	ug/l		98
42) 1,2-Dichloroethane	8.329	62	34403	21.561	ug/l		100
43) Isopropyl Acetate	8.358	43	32236	19.344	ug/l		98
44) Trichloroethene	9.029	130	27140	21.232	ug/l		98
45) 1,2-Dichloropropane	9.305	63	30235	21.409	ug/l		96
46) Dibromomethane	9.394	93	17459	22.706	ug/l		95
47) Bromodichloromethane	9.582	83	41844	21.441	ug/l		96
48) Methyl methacrylate	9.376	41	14510	18.325	ug/l		96
49) 1,4-Dioxane	9.382	88	3881	424.539	ug/l		96
51) 4-Methyl-2-Pentanone	10.158	43	86390	100.614	ug/l		93
52) Toluene	10.335	92	69044	20.812	ug/l		94
53) t-1,3-Dichloropropene	10.552	75	35761	20.100	ug/l		99
54) cis-1,3-Dichloropropene	10.017	75	41281	20.022	ug/l		99
55) 1,1,2-Trichloroethane	10.735	97	22028	21.658	ug/l		96
56) Ethyl methacrylate	10.594	69	23711	19.239	ug/l		94
57) 1,3-Dichloropropane	10.876	76	36305	21.477	ug/l		96
58) 2-Chloroethyl Vinyl ether	9.870	63	48960	97.071	ug/l		98
59) 2-Hexanone	10.917	43	56917	96.363	ug/l		96
60) Dibromochloromethane	11.076	129	28772	22.573	ug/l		98
61) 1,2-Dibromoethane	11.176	107	20063	21.273	ug/l		97
64) Tetrachloroethene	10.811	164	22626	19.638	ug/l		97
65) Chlorobenzene	11.605	112	75690	19.702	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.676	131	27455	20.802	ug/l		98
67) Ethyl Benzene	11.682	91	123851	19.292	ug/l		100
68) m/p-Xylenes	11.793	106	97306	39.036	ug/l		98
69) o-Xylene	12.117	106	43711	19.190	ug/l		93
70) Styrene	12.135	104	80039	19.569	ug/l		98
71) Bromoform	12.293	173	16564	21.123	ug/l	#	100
73) Isopropylbenzene	12.417	105	109729	17.957	ug/l		98
74) N-amyl acetate	12.229	43	31168	17.772	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.670	83	26515	19.732	ug/l		99
76) 1,2,3-Trichloropropane	12.723	75	15040m	16.543	ug/l		
77) Bromobenzene	12.699	156	32251	20.347	ug/l		99
78) n-propylbenzene	12.758	91	145714	19.002	ug/l		99
79) 2-Chlorotoluene	12.846	91	86837	19.468	ug/l		99
80) 1,3,5-Trimethylbenzene	12.899	105	100106	19.207	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.470	75	9310	19.438	ug/l		96
82) 4-Chlorotoluene	12.946	91	93535	19.426	ug/l		99
83) tert-Butylbenzene	13.164	119	80335	18.471	ug/l		98
84) 1,2,4-Trimethylbenzene	13.211	105	102044	19.136	ug/l		98
85) sec-Butylbenzene	13.340	105	125033	18.643	ug/l		99
86) p-Isopropyltoluene	13.458	119	107020	18.986	ug/l		99
87) 1,3-Dichlorobenzene	13.458	146	65750	19.891	ug/l		96
88) 1,4-Dichlorobenzene	13.535	146	65246	19.579	ug/l		98
89) n-Butylbenzene	13.787	91	98233	17.952	ug/l		98
90) Hexachloroethane	14.046	117	24479	19.627	ug/l		99
91) 1,2-Dichlorobenzene	13.829	146	56894	19.813	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.446	75	4473	20.886	ug/l		99
93) 1,2,4-Trichlorobenzene	15.099	180	33330	18.457	ug/l		98
94) Hexachlorobutadiene	15.199	225	17589	18.722	ug/l		99
95) Naphthalene	15.329	128	59557	17.564	ug/l		98
96) 1,2,3-Trichlorobenzene	15.517	180	29810	18.457	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080320.D
Acq On : 14 May 2025 13:57
Operator : RP/MD
Sample : VD0514SBSD01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 15 03:34:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

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

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

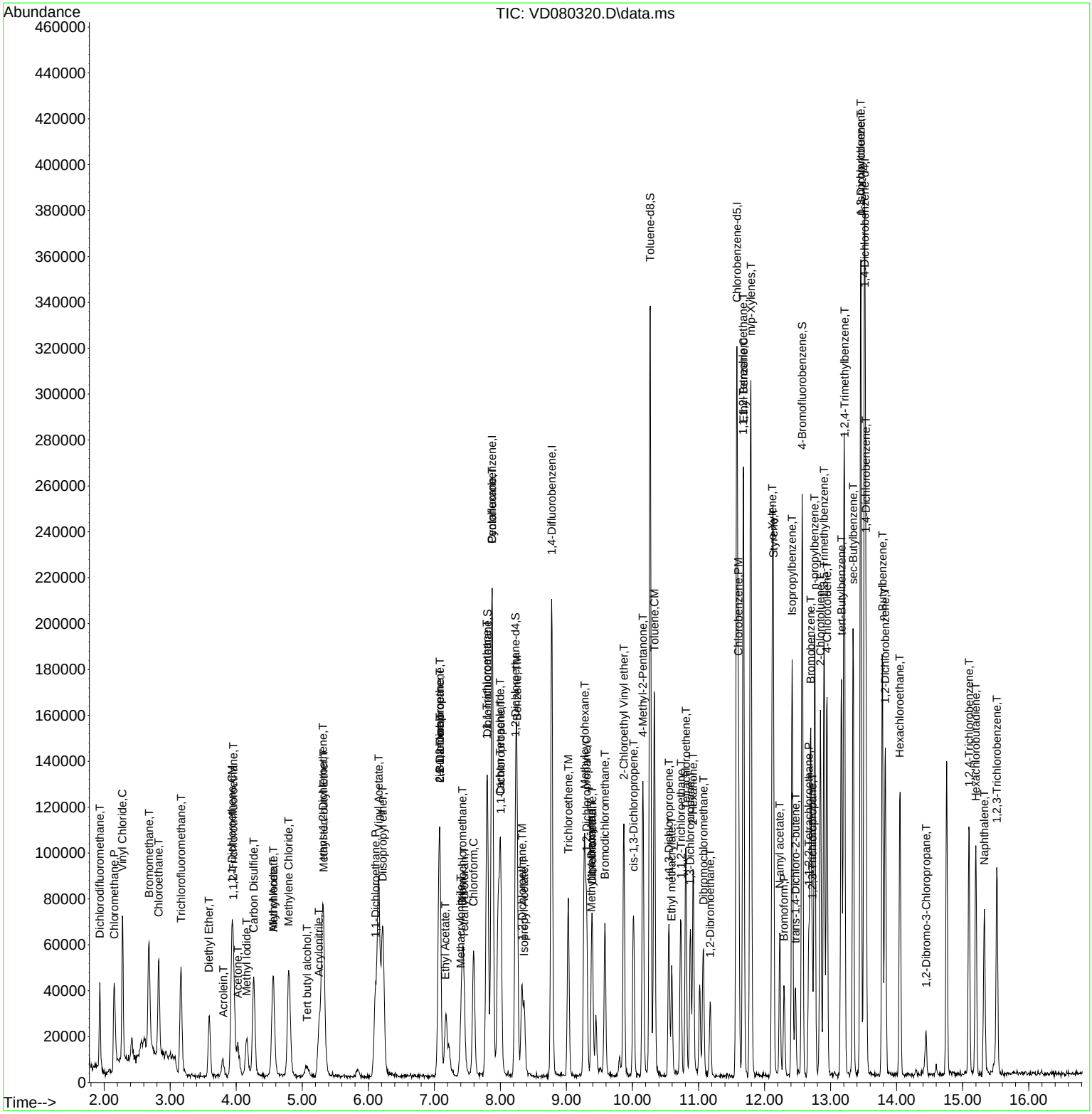
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080320.D
Acq On : 14 May 2025 13:57
Operator : RP/MD
Sample : VD0514SBSD01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 15 03:34:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025



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Manual Integration Report

Sequence:	VD050625	Instrument	MSVOA_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VD080290.D	1,2,3-Trichloropropane	MMDadoda	5/7/2025 1:31:14 PM	Sam	5/7/2025 1:47:29 PM	Peak Integrated by Software
VSTDICC005	VD080290.D	Acetone	MMDadoda	5/7/2025 1:31:14 PM	Sam	5/7/2025 1:47:29 PM	Peak Integrated by Software
VSTDICC005	VD080290.D	Methyl methacrylate	MMDadoda	5/7/2025 1:31:14 PM	Sam	5/7/2025 1:47:29 PM	Peak Integrated by Software
VSTDICC005	VD080290.D	Vinyl Acetate	MMDadoda	5/7/2025 1:31:14 PM	Sam	5/7/2025 1:47:29 PM	Peak Integrated by Software
VSTDICC010	VD080291.D	1,2,3-Trichloropropane	MMDadoda	5/7/2025 1:29:52 PM	Sam	5/7/2025 1:47:30 PM	Peak Integrated by Software
VSTDICC010	VD080291.D	Acetone	MMDadoda	5/7/2025 1:29:52 PM	Sam	5/7/2025 1:47:30 PM	Peak Integrated by Software
VSTDICC010	VD080291.D	Methacrylonitrile	MMDadoda	5/7/2025 1:29:52 PM	Sam	5/7/2025 1:47:30 PM	Peak Integrated by Software
VSTDICC010	VD080291.D	Methyl Acetate	MMDadoda	5/7/2025 1:29:52 PM	Sam	5/7/2025 1:47:30 PM	Peak Integrated by Software
VSTDICC010	VD080291.D	Methyl methacrylate	MMDadoda	5/7/2025 1:29:52 PM	Sam	5/7/2025 1:47:30 PM	Peak Integrated by Software
VSTDICC020	VD080292.D	1,2,3-Trichloropropane	MMDadoda	5/7/2025 1:29:53 PM	Sam	5/7/2025 1:47:32 PM	Peak Integrated by Software
VSTDICC020	VD080292.D	Methyl methacrylate	MMDadoda	5/7/2025 1:29:53 PM	Sam	5/7/2025 1:47:32 PM	Peak Integrated by Software
VSTDICCC050	VD080293.D	1,2,3-Trichloropropane	MMDadoda	5/7/2025 1:29:55 PM	Sam	5/7/2025 1:47:34 PM	Peak Integrated by Software
VSTDICC100	VD080294.D	1,2,3-Trichloropropane	MMDadoda	5/7/2025 1:29:57 PM	Sam	5/7/2025 1:47:36 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VD050625	Instrument	MSVOA_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC150	VD080295.D	1,2,3-Trichloropropane	MMDadoda	5/7/2025 1:29:58 PM	Sam	5/7/2025 1:47:38 PM	Peak Integrated by Software
VSTDICV050	VD080297.D	1,2,3-Trichloropropane	MMDadoda	5/7/2025 1:30:00 PM	Sam	5/7/2025 1:47:39 PM	Peak Integrated by Software
VSTDICV050	VD080297.D	Methacrylonitrile	MMDadoda	5/7/2025 1:30:00 PM	Sam	5/7/2025 1:47:39 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vd051425	Instrument	MSVOA_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VD080317.D	1,2,3-Trichloropropane	MMDadoda	5/15/2025 2:31:35 PM	Sam	5/15/2025 2:33:16 PM	Peak Integrated by Software
VD0514SBS01	VD080319.D	1,2,3-Trichloropropane	MMDadoda	5/15/2025 2:31:36 PM	Sam	5/15/2025 2:33:17 PM	Peak Integrated by Software
VD0514SBSD01	VD080320.D	1,2,3-Trichloropropane	MMDadoda	5/15/2025 2:31:38 PM	Sam	5/15/2025 2:33:19 PM	Peak Integrated by Software
VD0514SBSD01	VD080320.D	Tert butyl alcohol	MMDadoda	5/15/2025 2:31:38 PM	Sam	5/15/2025 2:33:19 PM	Peak Integrated by Software
VSTDCCC050	VD080336.D	1,2,3-Trichloropropane	MMDadoda	5/15/2025 2:31:41 PM	Sam	5/15/2025 2:33:22 PM	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
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
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

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Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD050625

Review By	Mahesh Dadoda	Review On	5/7/2025 1:30:06 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/7/2025 1:47:48 PM		
SubDirectory	VD050625	HP Acquire Method	MSVOA_D	HP Processing Method	82d050625s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133815
Initial Calibration Stds	VP133816,VP133817,VP133818,VP133819,VP133820,VP133821
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133822
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VD080289.D	06 May 2025 09:57	RP/MD	Ok
2	VSTDICC005	VD080290.D	06 May 2025 13:33	RP/MD	Ok,M
3	VSTDICC010	VD080291.D	06 May 2025 13:55	RP/MD	Ok,M
4	VSTDICC020	VD080292.D	06 May 2025 14:23	RP/MD	Ok,M
5	VSTDICCC050	VD080293.D	06 May 2025 14:51	RP/MD	Ok,M
6	VSTDICC100	VD080294.D	06 May 2025 15:19	RP/MD	Ok,M
7	VSTDICC150	VD080295.D	06 May 2025 15:47	RP/MD	Ok,M
8	IBLK	VD080296.D	06 May 2025 16:15	RP/MD	Ok
9	VSTDICV050	VD080297.D	06 May 2025 16:43	RP/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD051425

Review By	Mahesh Dadoda	Review On	5/15/2025 2:31:46 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/15/2025 2:33:28 PM		
SubDirectory	VD051425	HP Acquire Method	MSVOA_D	HP Processing Method	82d050625s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133913
Initial Calibration Stds	
CCC	VP133914,VP133915
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VD080316.D	14 May 2025 10:44	RP/MD	Ok
2	VSTDCCC050	VD080317.D	14 May 2025 12:25	RP/MD	Ok,M
3	VD0514SBL01	VD080318.D	14 May 2025 12:59	RP/MD	Ok
4	VD0514SBS01	VD080319.D	14 May 2025 13:29	RP/MD	Ok,M
5	VD0514SBSD01	VD080320.D	14 May 2025 13:57	RP/MD	Ok,M
6	Q2004-07	VD080321.D	14 May 2025 14:38	RP/MD	Ok
7	Q2004-11	VD080322.D	14 May 2025 15:07	RP/MD	Ok
8	Q2024-01	VD080323.D	14 May 2025 15:35	RP/MD	ReRun
9	Q2022-02	VD080324.D	14 May 2025 16:03	RP/MD	ReRun
10	Q2022-04	VD080325.D	14 May 2025 16:32	RP/MD	Ok
11	Q2017-03	VD080326.D	14 May 2025 17:00	RP/MD	Ok
12	Q2017-07	VD080327.D	14 May 2025 17:28	RP/MD	Ok
13	Q2019-03	VD080328.D	14 May 2025 17:55	RP/MD	Ok
14	Q2020-03	VD080329.D	14 May 2025 18:22	RP/MD	Ok
15	Q2010-01	VD080330.D	14 May 2025 18:50	RP/MD	Ok
16	Q2010-02	VD080331.D	14 May 2025 19:17	RP/MD	Ok
17	Q2010-03	VD080332.D	14 May 2025 19:43	RP/MD	Not Ok
18	Q2010-04	VD080333.D	14 May 2025 20:10	RP/MD	Not Ok
19	Q2043-01	VD080334.D	14 May 2025 20:37	RP/MD	ReRun
20	Q2043-03	VD080335.D	14 May 2025 21:04	RP/MD	Ok,M
21	VSTDCCC050	VD080336.D	14 May 2025 21:58	RP/MD	Ok,M

M : Manual Integration

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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	

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

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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	

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

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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

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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	

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

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Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD050625

Review By	Mahesh Dadoda	Review On	5/7/2025 1:30:06 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/7/2025 1:47:48 PM		
SubDirectory	VD050625	HP Acquire Method	MSVOA_D	HP Processing Method	82d050625s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133815
Initial Calibration Stds	VP133816,VP133817,VP133818,VP133819,VP133820,VP133821
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133822
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VD080289.D	06 May 2025 09:57		RP/MD	Ok
2	VSTDICC005	VSTDICC005	VD080290.D	06 May 2025 13:33	Comp.#2,3,20 are on Linear Regression	RP/MD	Ok,M
3	VSTDICC010	VSTDICC010	VD080291.D	06 May 2025 13:55	Comp.#16 is on Quadratic Regression	RP/MD	Ok,M
4	VSTDICC020	VSTDICC020	VD080292.D	06 May 2025 14:23		RP/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VD080293.D	06 May 2025 14:51		RP/MD	Ok,M
6	VSTDICC100	VSTDICC100	VD080294.D	06 May 2025 15:19		RP/MD	Ok,M
7	VSTDICC150	VSTDICC150	VD080295.D	06 May 2025 15:47		RP/MD	Ok,M
8	IBLK	IBLK	VD080296.D	06 May 2025 16:15		RP/MD	Ok
9	VSTDICV050	ICVVD050625	VD080297.D	06 May 2025 16:43		RP/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD051425

Review By	Mahesh Dadoda	Review On	5/15/2025 2:31:46 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/15/2025 2:33:28 PM		
SubDirectory	VD051425	HP Acquire Method	MSVOA_D	HP Processing Method	82d050625s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133913
Initial Calibration Stds	
CCC	VP133914,VP133915
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VD080316.D	14 May 2025 10:44		RP/MD	Ok
2	VSTDCCC050	VSTDCCC050	VD080317.D	14 May 2025 12:25		RP/MD	Ok,M
3	VD0514SBL01	VD0514SBL01	VD080318.D	14 May 2025 12:59		RP/MD	Ok
4	VD0514SBS01	VD0514SBS01	VD080319.D	14 May 2025 13:29		RP/MD	Ok,M
5	VD0514SBSD01	VD0514SBSD01	VD080320.D	14 May 2025 13:57		RP/MD	Ok,M
6	Q2004-07	205510	VD080321.D	14 May 2025 14:38	vial-B	RP/MD	Ok
7	Q2004-11	STONE-STOCK	VD080322.D	14 May 2025 15:07	vial-B	RP/MD	Ok
8	Q2024-01	PL-02-051325	VD080323.D	14 May 2025 15:35	vial-A Surrogate Fail	RP/MD	ReRun
9	Q2022-02	COMP-1	VD080324.D	14 May 2025 16:03	vial-A Internal Standard Fail; Surrogate Fail	RP/MD	ReRun
10	Q2022-04	COMP-2	VD080325.D	14 May 2025 16:32	vial-A	RP/MD	Ok
11	Q2017-03	MH-I-VOC	VD080326.D	14 May 2025 17:00	vial-A	RP/MD	Ok
12	Q2017-07	MH-J-VOC	VD080327.D	14 May 2025 17:28	vial-A	RP/MD	Ok
13	Q2019-03	MH-K-VOC	VD080328.D	14 May 2025 17:55	vial-A	RP/MD	Ok
14	Q2020-03	TP-A-VOC	VD080329.D	14 May 2025 18:22	vial-A	RP/MD	Ok
15	Q2010-01	TP-10	VD080330.D	14 May 2025 18:50	vial-A	RP/MD	Ok
16	Q2010-02	TP-13	VD080331.D	14 May 2025 19:17	vial-A	RP/MD	Ok
17	Q2010-03	TP-14	VD080332.D	14 May 2025 19:43	vial-A CCC Failed High For com.#16	RP/MD	Not Ok

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Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD051425

Review By	Mahesh Dadoda	Review On	5/15/2025 2:31:46 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/15/2025 2:33:28 PM		
SubDirectory	VD051425	HP Acquire Method	MSVOA_D	HP Processing Method	82d050625s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133913
Initial Calibration Stds	
CCC	VP133914,VP133915
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2010-04	TP-17	VD080333.D	14 May 2025 20:10	vial-A CCC Failed High For com.#16	RP/MD	Not Ok
19	Q2043-01	281	VD080334.D	14 May 2025 20:37	vial-A Internal Standard Fail; Surrogate Fail	RP/MD	ReRun
20	Q2043-03	72-12000	VD080335.D	14 May 2025 21:04	vial-A	RP/MD	Ok,M
21	VSTDCCC050	VSTDCCC050EC	VD080336.D	14 May 2025 21:58		RP/MD	Ok,M

M : Manual Integration

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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	

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

Alliance TECHNICAL GROUP
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LAB CHRONICLE

OrderID:	Q2010	**OrderDate:**	5/9/2025 4:00:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2010-01	**TP-10**	**SOIL**			**05/08/25**			**05/09/25**
			VOC-TCLVOA-10	8260D			05/14/25	
Q2010-02	**TP-13**	**SOIL**			**05/08/25**			**05/09/25**
			VOC-TCLVOA-10	8260D			05/14/25	
Q2010-03	**TP-14**	**SOIL**			**05/08/25**			**05/09/25**
			VOC-TCLVOA-10	8260D			05/16/25	
Q2010-04	**TP-17**	**SOIL**			**05/08/25**			**05/09/25**
			VOC-TCLVOA-10	8260D			05/16/25	

SAMPLE DATA

Alliance TECHNICAL GROUP
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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-10	SDG No.:	Q2010
Lab Sample ID:	Q2010-01	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	93.3 Decanted:
Sample Wt/Vol:	4.96 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031717.D	1	05/13/25 16:21	FB051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	9.00	U	9.00	49.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.9		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

Alliance TECHNICAL GROUP
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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-13	SDG No.:	Q2010
Lab Sample ID:	Q2010-02	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	84.4 Decanted:
Sample Wt/Vol:	4.61 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
FB031740.D	50	05/14/25 12:26	FB051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	531	U	531	2890	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.1		50 - 150	91%	SPK: 20

Comments:

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

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

Alliance TECHNICAL GROUP
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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-14	SDG No.:	Q2010
Lab Sample ID:	Q2010-03	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	80.7 Decanted:
Sample Wt/Vol:	5.96 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031731.D	1	05/13/25 23:40	FB051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	9.00	U	9.00	47.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	15.8		50 - 150	79%	SPK: 20

Comments:

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

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

Alliance TECHNICAL GROUP
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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-17	SDG No.:	Q2010
Lab Sample ID:	Q2010-04	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	77.4 Decanted:
Sample Wt/Vol:	7 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031720.D	1	05/13/25 17:44	FB051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	19.0	J	8.00	42.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.9		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

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.: Q2010 SAS No.: Q2010 SDG No.: Q2010

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VBF0513S1	109				0
BSF0513S1	84				0
BSF0513S2	105				0
TP-10	84				0
TP-17	84				0
TP-14	79				0
VBF0514S2	104				0
BSF0514S1	119				0
TP-13	91				0

	QC LIMITS
AAA-TFT	For Water : 50-150 For Soil : 50-150

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

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

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

Lab Code: CHEM **Cas No:** Q2010 **SAS No :** Q2010 **SDG No:** Q2010

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 DUPLICAT

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

Lab Code: CHEM **Cas No:** Q2010 **SAS No :** Q2010 **SDG No:** Q2010

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:** Q2010 **SAS No :** Q2010 **SDG No:** Q2010

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.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

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
BSF0513S2	BSF0513S2	FB031714.D	05/13/25
TP-10	Q2010-01	FB031717.D	05/13/25
TP-17	Q2010-04	FB031720.D	05/13/25
TP-14	Q2010-03	FB031731.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.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

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-13	Q2010-02	FB031740.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.:	Q2010
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.:	Q2010
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.:	Q2010
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.:	Q2010
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.:	Q2010
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.: Q2010 SAS No.: Q2010 SDG No.: Q2010

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.: Q2010 SAS No.: Q2010 SDG No.: Q2010

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.: Q2010 SAS No.: Q2010 SDG No.: Q2010

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.: Q2010 SAS No.: Q2010 SDG No.: Q2010

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.: Q2010 SAS No.: Q2010 SDG No.: Q2010

DataFile: FB031734.D Analyst Name: YP/AJ Analyst Date: 05-14-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5515080	30639	33435	8.362

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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.: Q2010 SAS No.: Q2010 SDG No.: Q2010

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.: Q2010 SAS No.: Q2010 SDG No.: Q2010

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.:** Q2010

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	
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-10	Q2010-01	13 May 2025 16:21	FB031717.D	8.795	
TP-17	Q2010-04	13 May 2025 17:44	FB031720.D	8.796	
20 PPB GRO STD	20 PPB GRO STD	13 May 2025 20:30	FB031726.D	8.795	
TP-14	Q2010-03	13 May 2025 23:40	FB031731.D	8.795	
20 PPB GRO STD	20 PPB GRO STD	14 May 2025 2:24	FB031734.D	8.794	
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-13	Q2010-02	14 May 2025 12:26	FB031740.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 : FB031717.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 16:21
Operator : YP/AJ
Sample : Q2010-01
Misc : 4.96G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-10

Integration File: Calibration.e
Quant Time: May 14 07:21:47 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	387035	16.877 ng/ml
Target Compounds			

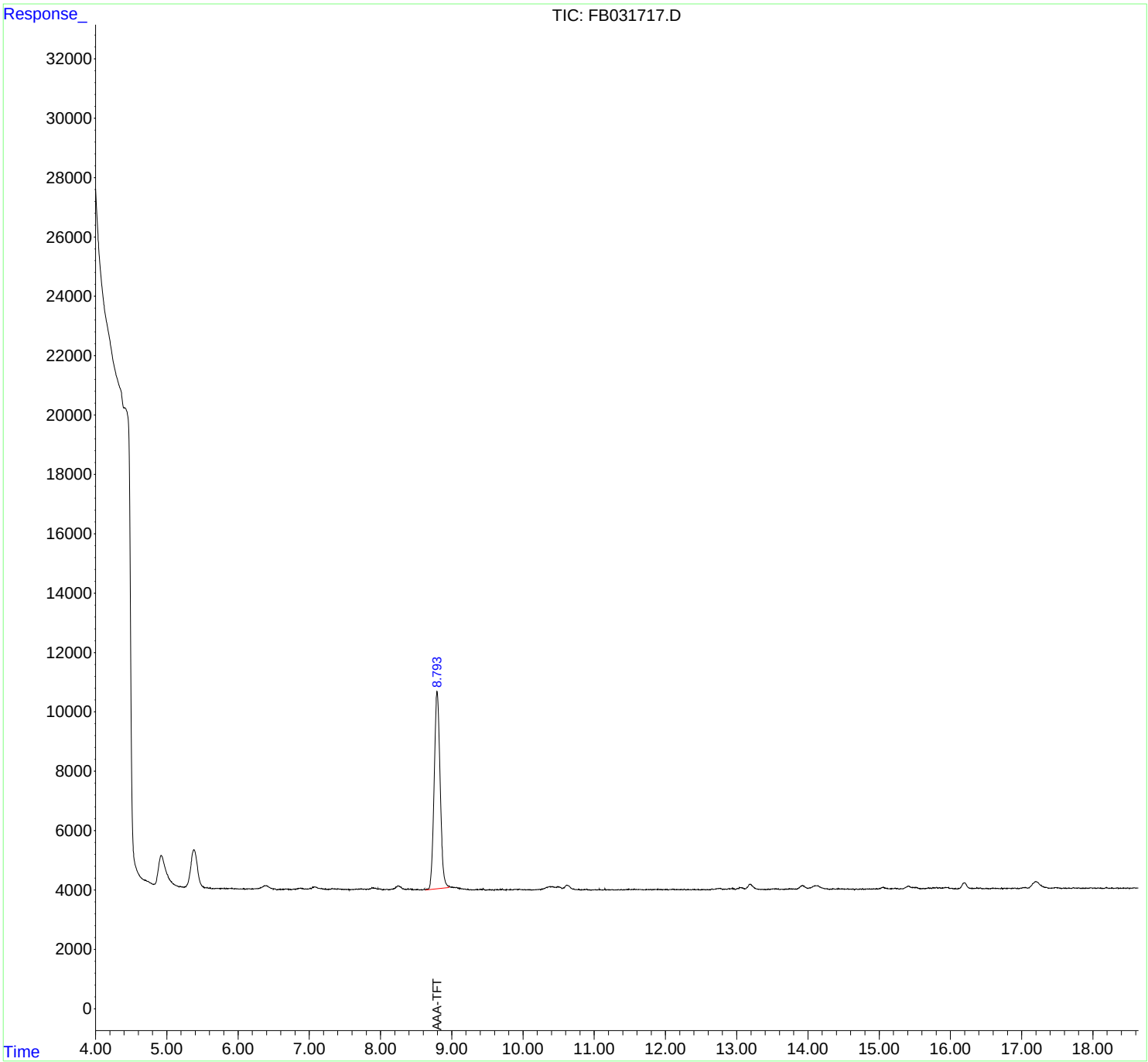
(f)=RT Delta > 1/2 Window (m)=manual int.

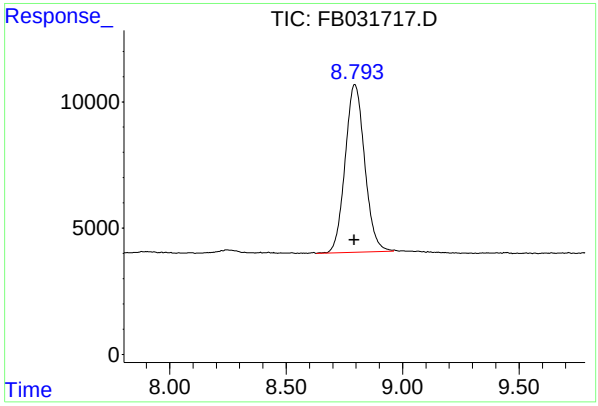
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031717.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 16:21
Operator : YP/AJ
Sample : Q2010-01
Misc : 4.96G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-10

Integration File: Calibration.e
Quant Time: May 14 07:21:47 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 mir
Response:	387035
Conc:	16.88 ng/m

Instrument :
FID_B
ClientSampleId :
TP-10

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A B C D E F G H I

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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031717.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 16:21
Sample : Q2010-01
Misc : 4.96G/5.00 ML DI WATER
ALS Vial : 11 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	5.192	5.175	5.243	PV	24	408	0.10%	0.065%
2	5.568	5.559	5.594	VV	39	459	0.12%	0.073%
3	5.607	5.594	5.630	VV	37	387	0.10%	0.061%
4	5.648	5.630	5.664	PV	15	158	0.04%	0.025%
5	5.671	5.664	5.678	VV	12	82	0.02%	0.013%
6	5.720	5.678	5.798	VV	19	1140	0.29%	0.181%
7	5.809	5.798	5.822	VV	37	324	0.08%	0.051%
8	5.835	5.822	5.848	VV	24	236	0.06%	0.037%
9	5.912	5.848	5.954	VV	38	1347	0.34%	0.213%
10	5.964	5.954	6.016	VV	22	572	0.14%	0.091%
11	6.037	6.016	6.056	VV	24	348	0.09%	0.055%
12	6.085	6.056	6.099	VV	28	487	0.12%	0.077%
13	6.121	6.099	6.129	PV	26	267	0.07%	0.042%
14	6.146	6.129	6.162	VV	24	436	0.11%	0.069%
15	6.170	6.162	6.187	VV	30	303	0.08%	0.048%
16	6.198	6.187	6.213	VV	32	317	0.08%	0.050%
17	6.258	6.213	6.270	VV	39	973	0.25%	0.154%
18	6.282	6.270	6.290	VV	47	432	0.11%	0.068%
19	6.380	6.290	6.514	VV	140	10946	2.76%	1.734%
20	6.521	6.514	6.544	VV	40	373	0.09%	0.059%
21	6.582	6.544	6.607	PV	27	452	0.11%	0.072%
22	6.619	6.607	6.630	VV	25	176	0.04%	0.028%
23	6.673	6.630	6.693	VV	36	862	0.22%	0.137%
24	6.702	6.693	6.712	VV	32	230	0.06%	0.037%
25	6.723	6.712	6.746	PV	23	250	0.06%	0.040%
26	6.878	6.746	6.895	VV	58	2737	0.69%	0.434%
27	6.902	6.895	6.933	VV	48	793	0.20%	0.126%
28	6.945	6.933	6.955	VV	30	345	0.09%	0.055%
29	6.969	6.955	6.986	VV	27	432	0.11%	0.069%
30	7.016	6.986	7.031	VV	57	928	0.23%	0.147%
31	7.047	7.031	7.057	VV	94	1039	0.26%	0.165%
32	7.080	7.057	7.162	VV	99	4077	1.03%	0.646%
33	7.172	7.162	7.216	VV	44	820	0.21%	0.130%
34	7.225	7.216	7.245	VV	32	231	0.06%	0.037%
35	7.254	7.245	7.268	VV	11	98	0.02%	0.016%
36	7.279	7.268	7.290	PV	13	121	0.03%	0.019%

Page 1

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37	7.323	7.290	7.335	VV	43	552	0.14%	0.087%
38	7.350	7.335	7.361	VV	33	304	0.08%	0.048%
39	7.371	7.361	7.390	VV	25	270	0.07%	0.043%
40	7.405	7.390	7.458	VB	31	523	0.13%	0.083%
41	7.479	7.465	7.490	BV	9	56	0.01%	0.009%
42	7.506	7.490	7.540	PV	10	254	0.06%	0.040%
43	7.549	7.540	7.574	VV	25	259	0.07%	0.041%
44	7.582	7.574	7.589	PV	16	86	0.02%	0.014%
45	7.602	7.589	7.619	VV	16	234	0.06%	0.037%
46	7.641	7.619	7.684	VV	24	767	0.19%	0.121%
47	7.729	7.684	7.741	VV	46	1088	0.27%	0.172%
48	7.749	7.741	7.758	VV	28	288	0.07%	0.046%
49	7.779	7.758	7.793	VV	31	541	0.14%	0.086%
50	7.816	7.793	7.835	VV	32	646	0.16%	0.102%
51	7.879	7.835	7.958	VV	76	3821	0.96%	0.605%
52	7.966	7.958	7.975	VV	48	376	0.10%	0.060%
53	7.986	7.975	8.029	VV	45	863	0.22%	0.137%
54	8.040	8.029	8.072	VV	25	421	0.11%	0.067%
55	8.087	8.072	8.111	VV	28	511	0.13%	0.081%
56	8.130	8.111	8.138	PV	18	225	0.06%	0.036%
57	8.249	8.138	8.314	VV	145	8212	2.07%	1.301%
58	8.322	8.314	8.368	VV	50	988	0.25%	0.157%
59	8.390	8.368	8.399	VV	48	583	0.15%	0.092%
60	8.425	8.399	8.435	VV	48	636	0.16%	0.101%
61	8.448	8.435	8.464	VV	36	338	0.09%	0.054%
62	8.477	8.464	8.513	VV	22	460	0.12%	0.073%
63	8.526	8.513	8.542	VV	29	324	0.08%	0.051%
64	8.619	8.542	8.630	VV	44	818	0.21%	0.130%
65	8.646	8.630	8.653	VV	31	291	0.07%	0.046%
66	8.665	8.653	8.672	VV	43	380	0.10%	0.060%
67	8.795	8.672	8.960	VV	6695	396077	100.00%	62.749%
68	8.965	8.960	8.988	VV	149	2005	0.51%	0.318%
69	8.997	8.988	9.032	VV	103	2605	0.66%	0.413%
70	9.041	9.032	9.055	VV	96	1193	0.30%	0.189%
71	9.067	9.055	9.206	VV	95	5074	1.28%	0.804%
72	9.229	9.206	9.250	VV	32	614	0.15%	0.097%
73	9.267	9.250	9.286	VV	22	330	0.08%	0.052%
74	9.296	9.286	9.304	VV	17	154	0.04%	0.024%
75	9.313	9.304	9.322	VV	18	148	0.04%	0.023%
76	9.346	9.322	9.380	VV	28	709	0.18%	0.112%
77	9.404	9.380	9.427	VV	37	649	0.16%	0.103%
78	9.445	9.427	9.486	VV	41	757	0.19%	0.120%
79	9.530	9.486	9.540	VV	32	439	0.11%	0.070%
80	9.549	9.540	9.559	VV	23	160	0.04%	0.025%
81	9.571	9.559	9.583	VV	18	151	0.04%	0.024%
82	9.612	9.583	9.630	PV	24	422	0.11%	0.067%
83	9.640	9.630	9.660	VV	31	316	0.08%	0.050%
84	9.673	9.660	9.680	VV	21	190	0.05%	0.030%
85	9.713	9.680	9.726	VV	38	620	0.16%	0.098%
86	9.736	9.726	9.749	VV	16	178	0.04%	0.028%
87	9.759	9.749	9.765	VV	23	153	0.04%	0.024%
88	9.775	9.765	9.795	VV	30	378	0.10%	0.060%
89	9.801	9.795	9.809	VV	18	145	0.04%	0.023%

rteres

90	9.825	9.809	9.839	VV	40	418	0.11%	0.066%
91	9.851	9.839	9.861	VV	19	180	0.05%	0.028%
92	9.888	9.861	9.898	VV	35	525	0.13%	0.083%
93	9.907	9.898	9.934	VV	30	522	0.13%	0.083%
94	9.952	9.934	9.984	VV	35	674	0.17%	0.107%
95	9.993	9.984	10.002	VV	20	176	0.04%	0.028%
96	10.015	10.002	10.023	VV	26	247	0.06%	0.039%
97	10.029	10.023	10.045	VV	24	195	0.05%	0.031%
98	10.061	10.045	10.076	VV	17	273	0.07%	0.043%
99	10.082	10.076	10.122	VV	22	338	0.09%	0.054%
100	10.132	10.122	10.151	VV	16	201	0.05%	0.032%
101	10.209	10.151	10.218	VV	27	713	0.18%	0.113%
102	10.231	10.218	10.244	VV	28	352	0.09%	0.056%
103	10.266	10.244	10.274	VV	48	480	0.12%	0.076%
104	10.404	10.274	10.455	VV	125	10064	2.54%	1.594%
105	10.496	10.455	10.551	VV	120	5636	1.42%	0.893%
106	10.618	10.551	10.742	VV	169	10139	2.56%	1.606%
107	10.754	10.742	10.764	VV	22	232	0.06%	0.037%
108	10.781	10.764	10.844	VV	33	796	0.20%	0.126%
109	10.866	10.844	10.874	VV	25	294	0.07%	0.047%
110	10.898	10.874	10.930	VV	33	588	0.15%	0.093%
111	10.973	10.930	10.986	VV	13	245	0.06%	0.039%
112	11.018	10.986	11.040	VV	16	376	0.09%	0.060%
113	11.072	11.040	11.080	VV	23	307	0.08%	0.049%
114	11.089	11.080	11.105	VV	17	147	0.04%	0.023%
115	11.132	11.105	11.138	VV	13	163	0.04%	0.026%
116	11.150	11.138	11.166	VV	30	308	0.08%	0.049%
117	11.181	11.166	11.228	PV	20	396	0.10%	0.063%
118	11.254	11.228	11.283	VV	22	343	0.09%	0.054%
119	11.295	11.283	11.303	VV	11	68	0.02%	0.011%
120	11.312	11.303	11.321	VV	14	86	0.02%	0.014%
121	11.339	11.321	11.366	VV	20	337	0.09%	0.053%
122	11.383	11.366	11.397	VV	18	214	0.05%	0.034%
123	11.406	11.397	11.412	VV	15	83	0.02%	0.013%
124	11.420	11.412	11.429	VV	18	123	0.03%	0.020%
125	11.492	11.429	11.515	VV	34	979	0.25%	0.155%
126	11.569	11.515	11.583	VV	29	872	0.22%	0.138%
127	11.591	11.583	11.617	VV	25	391	0.10%	0.062%
128	11.626	11.617	11.647	VV	25	370	0.09%	0.059%
129	11.652	11.647	11.705	VV	20	481	0.12%	0.076%
130	11.730	11.705	11.741	VV	15	278	0.07%	0.044%
131	11.749	11.741	11.785	VV	21	450	0.11%	0.071%
132	11.793	11.785	11.807	VV	21	235	0.06%	0.037%
133	11.819	11.807	11.843	VV	20	347	0.09%	0.055%
134	11.852	11.843	11.883	VV	24	475	0.12%	0.075%
135	11.892	11.883	11.917	VV	22	391	0.10%	0.062%
136	11.924	11.917	11.943	VV	23	271	0.07%	0.043%
137	11.951	11.943	11.958	VV	17	133	0.03%	0.021%
138	11.983	11.958	11.993	VV	21	315	0.08%	0.050%
139	12.012	11.993	12.043	VV	24	446	0.11%	0.071%
140	12.104	12.043	12.129	VV	39	1036	0.26%	0.164%
141	12.141	12.129	12.152	VV	20	216	0.05%	0.034%

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142	12.164	12.152	12.176	VV	23	236	0.06%	0.037%
143	12.237	12.176	12.247	VV	21	604	0.15%	0.096%
144	12.266	12.247	12.292	VV	31	435	0.11%	0.069%
145	12.323	12.292	12.361	VV	23	524	0.13%	0.083%
146	12.384	12.361	12.397	VV	22	322	0.08%	0.051%
147	12.412	12.397	12.426	VV	20	271	0.07%	0.043%
148	12.443	12.426	12.454	VV	19	215	0.05%	0.034%
149	12.464	12.454	12.498	VV	21	270	0.07%	0.043%
150	12.540	12.498	12.566	VV	17	485	0.12%	0.077%
151	12.576	12.566	12.585	VV	17	137	0.03%	0.022%
152	12.598	12.585	12.610	VV	17	166	0.04%	0.026%
153	12.620	12.610	12.636	VV	17	170	0.04%	0.027%
154	12.654	12.636	12.671	VV	37	481	0.12%	0.076%
155	12.686	12.671	12.695	VV	29	360	0.09%	0.057%
156	12.737	12.695	12.746	VV	51	1182	0.30%	0.187%
157	12.757	12.746	12.807	VV	54	1538	0.39%	0.244%
158	12.817	12.807	12.827	VV	34	325	0.08%	0.051%
159	12.842	12.827	12.864	VV	33	563	0.14%	0.089%
160	12.884	12.864	12.894	VV	44	638	0.16%	0.101%
161	12.898	12.894	12.905	VV	45	254	0.06%	0.040%
162	12.939	12.905	12.961	VV	59	1441	0.36%	0.228%
163	12.968	12.961	12.980	VV	52	367	0.09%	0.058%
164	13.018	12.980	13.028	VV	57	1047	0.26%	0.166%
165	13.056	13.028	13.065	VV	85	1635	0.41%	0.259%
166	13.072	13.065	13.118	VV	80	1784	0.45%	0.283%
167	13.186	13.118	13.343	VV	193	11401	2.88%	1.806%
168	13.359	13.343	13.376	VV	24	352	0.09%	0.056%
169	13.385	13.376	13.411	VV	23	340	0.09%	0.054%
170	13.449	13.411	13.468	VV	29	668	0.17%	0.106%
171	13.525	13.468	13.538	VV	40	1301	0.33%	0.206%
172	13.550	13.538	13.569	VV	41	621	0.16%	0.098%
173	13.584	13.569	13.608	VV	45	600	0.15%	0.095%
174	13.626	13.608	13.664	VV	25	654	0.17%	0.104%
175	13.688	13.664	13.705	VV	32	597	0.15%	0.095%
176	13.741	13.705	13.789	VV	44	1531	0.39%	0.243%
177	13.799	13.789	13.814	VV	41	447	0.11%	0.071%
178	13.823	13.814	13.844	VV	35	502	0.13%	0.080%
179	13.925	13.844	14.001	VV	154	8665	2.19%	1.373%
180	14.021	14.001	14.039	VV	78	1487	0.38%	0.236%
181	14.106	14.039	14.117	VV	143	5310	1.34%	0.841%
182	14.123	14.117	14.131	VV	143	1186	0.30%	0.188%
183	14.140	14.131	14.279	VV	141	6367	1.61%	1.009%
184	14.287	14.279	14.307	VV	31	399	0.10%	0.063%
185	14.316	14.307	14.335	VV	27	380	0.10%	0.060%
186	14.348	14.335	14.357	VV	49	446	0.11%	0.071%
187	14.364	14.357	14.393	VV	37	613	0.15%	0.097%
188	14.408	14.393	14.418	VV	40	465	0.12%	0.074%
189	14.432	14.418	14.465	VV	36	872	0.22%	0.138%
190	14.477	14.465	14.518	VV	35	904	0.23%	0.143%
191	14.534	14.518	14.546	VV	29	389	0.10%	0.062%
192	14.559	14.546	14.572	VV	42	454	0.11%	0.072%
193	14.595	14.572	14.604	VV	28	463	0.12%	0.073%
194	14.613	14.604	14.621	VV	29	233	0.06%	0.037%

rteres

195	14.631	14.621	14.654	VV	40	457	0.12%	0.072%
196	14.683	14.654	14.696	PV	38	518	0.13%	0.082%
197	14.704	14.696	14.723	VV	20	280	0.07%	0.044%
198	14.734	14.723	14.750	VV	38	382	0.10%	0.060%
199	14.768	14.750	14.785	VV	39	508	0.13%	0.080%
200	14.813	14.785	14.823	VV	30	465	0.12%	0.074%
201	14.842	14.823	14.853	VV	36	463	0.12%	0.073%
202	14.865	14.853	14.874	VV	40	340	0.09%	0.054%
203	14.889	14.874	14.902	VV	32	367	0.09%	0.058%
204	14.934	14.902	14.946	VV	30	651	0.16%	0.103%
205	14.960	14.946	14.984	VV	42	625	0.16%	0.099%
206	15.003	14.984	15.011	VV	50	537	0.14%	0.085%
207	15.054	15.011	15.062	VV	86	1870	0.47%	0.296%
208	15.067	15.062	15.096	VV	76	1181	0.30%	0.187%
209	15.107	15.096	15.129	VV	58	777	0.20%	0.123%
210	15.135	15.129	15.172	VV	30	690	0.17%	0.109%
211	15.225	15.172	15.238	VV	51	1499	0.38%	0.238%
212	15.263	15.238	15.281	VV	48	851	0.21%	0.135%
213	15.305	15.281	15.335	VV	33	793	0.20%	0.126%
214	15.414	15.335	15.471	VV	114	6308	1.59%	0.999%
215	15.479	15.471	15.490	VV	70	748	0.19%	0.119%
216	15.501	15.490	15.509	VV	71	709	0.18%	0.112%
217	15.522	15.509	15.532	VV	71	849	0.21%	0.135%
218	15.539	15.532	15.551	VV	63	570	0.14%	0.090%
219	15.559	15.551	15.605	VV	38	964	0.24%	0.153%
220	15.621	15.605	15.641	VV	37	631	0.16%	0.100%
221	15.693	15.641	15.735	VV	60	2259	0.57%	0.358%
222	15.755	15.735	15.765	VV	59	843	0.21%	0.134%
223	15.776	15.765	15.785	VV	64	594	0.15%	0.094%
224	15.804	15.785	15.816	VV	68	1025	0.26%	0.162%
225	15.824	15.816	15.836	VV	50	524	0.13%	0.083%
226	15.848	15.836	15.869	VV	59	974	0.25%	0.154%
227	15.884	15.869	15.893	VV	46	603	0.15%	0.095%
228	15.933	15.893	15.942	VV	68	1528	0.39%	0.242%
229	15.955	15.942	16.004	VV	62	1748	0.44%	0.277%
230	16.015	16.004	16.039	VV	36	584	0.15%	0.093%
231	16.078	16.039	16.091	VV	28	546	0.14%	0.086%
232	16.200	16.091	16.281	VV	218	10930	2.76%	1.732%
233	16.287	16.281	16.302	VV	34	335	0.08%	0.053%
234	16.314	16.302	16.330	VV	33	409	0.10%	0.065%
235	16.372	16.330	16.392	VV	49	1100	0.28%	0.174%
236	16.400	16.392	16.408	VV	33	284	0.07%	0.045%
237	16.422	16.408	16.447	VV	45	680	0.17%	0.108%
238	16.505	16.447	16.516	VV	31	680	0.17%	0.108%
239	16.525	16.516	16.533	VV	26	157	0.04%	0.025%
240	16.544	16.533	16.561	VV	15	172	0.04%	0.027%
241	16.602	16.561	16.616	PV	31	699	0.18%	0.111%
242	16.628	16.616	16.672	VV	25	581	0.15%	0.092%
243	16.685	16.672	16.709	VV	13	163	0.04%	0.026%
244	16.717	16.709	16.737	VV	26	240	0.06%	0.038%
245	16.758	16.737	16.778	PV	21	221	0.06%	0.035%
246	16.787	16.778	16.801	VBA	18	103	0.03%	0.016%

rteres
Sum of corrected areas: 631206

FB042325.M Wed May 14 09:05:40 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031740.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 12:26
Operator : YP/AJ
Sample : Q2010-02 50X
Misc : 4.61G/5.00 ML MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-13

Integration File: Calibration.e
Quant Time: May 15 04:28:38 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	416158	18.147 ng/ml
Target Compounds				

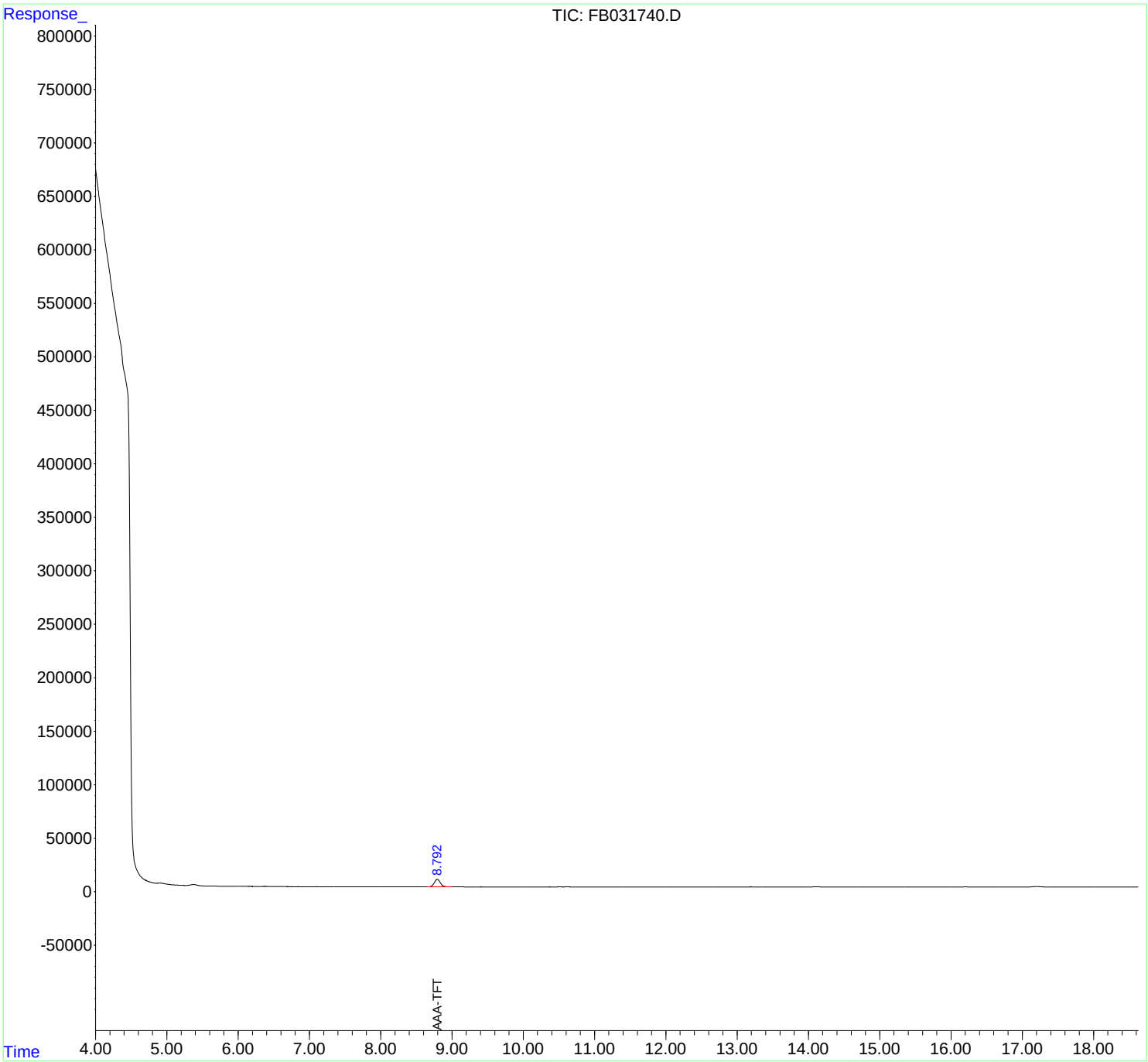
(f)=RT Delta > 1/2 Window (m)=manual int.

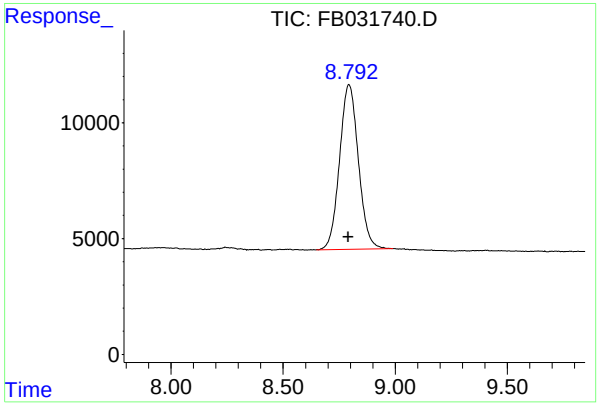
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031740.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 12:26
Operator : YP/AJ
Sample : Q2010-02 50X
Misc : 4.61G/5.00 ML MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-13

Integration File: Calibration.e
Quant Time: May 15 04:28:38 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 mir
Response:	416158
Conc:	18.15 ng/m

Instrument :
FID_B
ClientSampleId :
TP-13

6

A B C D E F G H I

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031740.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 12:26
Sample : Q2010-02 50X
Misc : 4.61G/5.00 ML MEOH
ALS Vial : 6 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	5.769	5.759	5.796	PV	10	60	0.01%	0.009%
2	5.804	5.796	5.887	PV	16	233	0.05%	0.035%
3	5.895	5.887	5.978	PV	21	71	0.02%	0.011%
4	5.986	5.978	6.052	PV	16	383	0.09%	0.058%
5	6.062	6.052	6.116	VV	21	615	0.14%	0.094%
6	6.149	6.116	6.157	VV	38	593	0.14%	0.090%
7	6.165	6.157	6.191	VV	35	695	0.16%	0.106%
8	6.201	6.191	6.246	VV	51	1182	0.28%	0.180%
9	6.259	6.246	6.283	VV	42	579	0.14%	0.088%
10	6.293	6.283	6.303	VV	36	314	0.07%	0.048%
11	6.349	6.303	6.543	VV	122	9401	2.20%	1.433%
12	6.555	6.543	6.634	PV	17	423	0.10%	0.064%
13	6.643	6.634	6.662	PV	19	121	0.03%	0.019%
14	6.668	6.662	6.696	VV	7	57	0.01%	0.009%
15	6.712	6.696	6.740	VV	12	185	0.04%	0.028%
16	6.750	6.740	6.769	VV	26	213	0.05%	0.033%
17	6.777	6.769	6.794	VV	17	98	0.02%	0.015%
18	6.838	6.823	6.858	VV	37	564	0.13%	0.086%
19	6.867	6.858	6.886	VV	34	509	0.12%	0.078%
20	6.893	6.886	6.978	VV	34	873	0.20%	0.133%
21	7.047	6.978	7.059	PV	73	1566	0.37%	0.239%
22	7.077	7.059	7.154	VV	81	3552	0.83%	0.542%
23	7.161	7.154	7.180	VV	46	538	0.13%	0.082%
24	7.190	7.180	7.213	VV	38	578	0.14%	0.088%
25	7.237	7.213	7.259	VV	41	672	0.16%	0.102%
26	7.276	7.259	7.303	PV	29	570	0.13%	0.087%
27	7.312	7.303	7.393	VV	37	1300	0.30%	0.198%
28	7.403	7.393	7.415	VV	35	310	0.07%	0.047%
29	7.425	7.415	7.436	VV	24	225	0.05%	0.034%
30	7.442	7.436	7.474	VV	19	331	0.08%	0.050%
31	7.490	7.474	7.501	VV	18	196	0.05%	0.030%
32	7.508	7.501	7.535	VV	21	291	0.07%	0.044%
33	7.588	7.535	7.613	PV	33	665	0.16%	0.101%
34	7.621	7.613	7.638	VV	22	254	0.06%	0.039%
35	7.644	7.638	7.668	VV	23	371	0.09%	0.057%
36	7.681	7.668	7.698	VV	40	423	0.10%	0.064%

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37	7.709	7.698	7.731	VV	30	427	0.10%	0.065%
38	7.747	7.731	7.774	VV	44	847	0.20%	0.129%
39	7.777	7.774	7.790	VV	40	236	0.06%	0.036%
40	7.804	7.790	7.830	VV	23	383	0.09%	0.058%
41	7.836	7.830	7.841	VV	22	107	0.03%	0.016%
42	7.872	7.841	7.882	VV	50	788	0.18%	0.120%
43	7.892	7.882	7.899	VV	49	450	0.11%	0.069%
44	7.909	7.899	7.913	VV	58	468	0.11%	0.071%
45	7.945	7.913	7.954	VV	74	1522	0.36%	0.232%
46	7.965	7.954	8.010	VV	73	2090	0.49%	0.319%
47	8.022	8.010	8.053	VV	62	1065	0.25%	0.162%
48	8.061	8.053	8.119	VV	36	827	0.19%	0.126%
49	8.130	8.119	8.144	VV	28	271	0.06%	0.041%
50	8.153	8.144	8.162	VV	28	157	0.04%	0.024%
51	8.242	8.162	8.262	VV	114	3323	0.78%	0.507%
52	8.269	8.262	8.367	VV	92	2592	0.61%	0.395%
53	8.389	8.367	8.404	VV	27	370	0.09%	0.056%
54	8.442	8.404	8.462	PV	25	459	0.11%	0.070%
55	8.487	8.462	8.506	VV	36	666	0.16%	0.102%
56	8.531	8.506	8.544	VV	44	763	0.18%	0.116%
57	8.566	8.544	8.576	VV	30	496	0.12%	0.076%
58	8.585	8.576	8.609	VV	24	355	0.08%	0.054%
59	8.637	8.609	8.648	VV	31	504	0.12%	0.077%
60	8.794	8.648	8.989	VV	7176	427714	100.00%	65.206%
61	8.998	8.989	9.028	VV	99	2032	0.48%	0.310%
62	9.040	9.028	9.074	VV	93	1968	0.46%	0.300%
63	9.080	9.074	9.112	VV	63	1232	0.29%	0.188%
64	9.120	9.112	9.141	VV	54	798	0.19%	0.122%
65	9.149	9.141	9.158	VV	43	384	0.09%	0.059%
66	9.162	9.158	9.219	VV	53	1071	0.25%	0.163%
67	9.227	9.219	9.238	VV	27	242	0.06%	0.037%
68	9.246	9.238	9.268	VV	20	223	0.05%	0.034%
69	9.310	9.268	9.330	VV	32	736	0.17%	0.112%
70	9.367	9.330	9.376	VV	40	806	0.19%	0.123%
71	9.411	9.376	9.422	VV	51	1084	0.25%	0.165%
72	9.431	9.422	9.452	VV	39	533	0.12%	0.081%
73	9.462	9.452	9.499	VV	38	868	0.20%	0.132%
74	9.508	9.499	9.533	VV	30	461	0.11%	0.070%
75	9.540	9.533	9.595	VV	34	770	0.18%	0.117%
76	9.604	9.595	9.615	VV	15	160	0.04%	0.024%
77	9.648	9.615	9.682	VV	33	863	0.20%	0.132%
78	9.715	9.682	9.740	PV	34	703	0.16%	0.107%
79	9.782	9.740	9.796	VV	33	582	0.14%	0.089%
80	9.816	9.796	9.853	VV	27	625	0.15%	0.095%
81	9.900	9.853	9.909	VV	39	959	0.22%	0.146%
82	9.917	9.909	9.944	VV	35	631	0.15%	0.096%
83	9.961	9.944	10.032	VV	40	1223	0.29%	0.186%
84	10.043	10.032	10.056	VV	25	211	0.05%	0.032%
85	10.066	10.056	10.099	VV	28	301	0.07%	0.046%
86	10.121	10.099	10.149	VV	37	542	0.13%	0.083%
87	10.163	10.149	10.183	PV	15	216	0.05%	0.033%
88	10.229	10.183	10.238	VV	50	813	0.19%	0.124%
89	10.282	10.238	10.295	VV	72	1511	0.35%	0.230%

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90	10.356	10.295	10.373	VV	85	3338	0.78%	0.509%
91	10.383	10.373	10.435	VV	85	2672	0.62%	0.407%
92	10.452	10.435	10.459	VV	76	1039	0.24%	0.158%
93	10.492	10.459	10.505	VV	118	2537	0.59%	0.387%
94	10.523	10.505	10.565	VV	107	3389	0.79%	0.517%
95	10.619	10.565	10.728	VV	133	8598	2.01%	1.311%
96	10.737	10.728	10.746	VV	42	415	0.10%	0.063%
97	10.757	10.746	10.810	VV	49	1506	0.35%	0.230%
98	10.822	10.810	10.912	VV	42	1551	0.36%	0.236%
99	10.953	10.912	10.975	VV	45	989	0.23%	0.151%
100	10.991	10.975	11.015	VV	46	789	0.18%	0.120%
101	11.039	11.015	11.062	VV	47	804	0.19%	0.123%
102	11.070	11.062	11.077	VV	25	180	0.04%	0.027%
103	11.087	11.077	11.109	VV	34	478	0.11%	0.073%
104	11.139	11.109	11.159	VV	29	648	0.15%	0.099%
105	11.164	11.159	11.184	VV	26	268	0.06%	0.041%
106	11.192	11.184	11.203	VV	21	177	0.04%	0.027%
107	11.219	11.203	11.242	VV	30	409	0.10%	0.062%
108	11.252	11.242	11.270	VV	24	247	0.06%	0.038%
109	11.298	11.270	11.312	VV	27	437	0.10%	0.067%
110	11.326	11.312	11.351	VV	34	460	0.11%	0.070%
111	11.365	11.351	11.383	VV	31	412	0.10%	0.063%
112	11.434	11.383	11.459	PV	49	1334	0.31%	0.203%
113	11.471	11.459	11.479	VV	64	621	0.15%	0.095%
114	11.499	11.479	11.516	VV	59	1050	0.25%	0.160%
115	11.547	11.516	11.617	VV	54	2314	0.54%	0.353%
116	11.627	11.617	11.642	VV	39	451	0.11%	0.069%
117	11.651	11.642	11.682	VV	32	577	0.13%	0.088%
118	11.687	11.682	11.696	VV	28	190	0.04%	0.029%
119	11.714	11.696	11.723	VV	38	437	0.10%	0.067%
120	11.750	11.723	11.773	VV	39	885	0.21%	0.135%
121	11.781	11.773	11.791	VV	42	249	0.06%	0.038%
122	11.832	11.791	11.854	VV	31	821	0.19%	0.125%
123	11.866	11.854	11.875	VV	41	433	0.10%	0.066%
124	11.883	11.875	11.899	VV	46	496	0.12%	0.076%
125	11.907	11.899	11.948	VV	36	805	0.19%	0.123%
126	11.979	11.948	12.008	VV	34	675	0.16%	0.103%
127	12.017	12.008	12.024	VV	33	245	0.06%	0.037%
128	12.035	12.024	12.046	VV	46	380	0.09%	0.058%
129	12.063	12.046	12.087	VV	32	544	0.13%	0.083%
130	12.098	12.087	12.106	VV	30	244	0.06%	0.037%
131	12.132	12.106	12.166	VV	22	632	0.15%	0.096%
132	12.174	12.166	12.214	VV	20	424	0.10%	0.065%
133	12.225	12.214	12.234	VV	20	182	0.04%	0.028%
134	12.256	12.234	12.268	VV	28	391	0.09%	0.060%
135	12.280	12.268	12.294	VV	17	230	0.05%	0.035%
136	12.311	12.294	12.319	VV	29	332	0.08%	0.051%
137	12.326	12.319	12.356	VV	31	412	0.10%	0.063%
138	12.368	12.356	12.387	VV	22	287	0.07%	0.044%
139	12.436	12.387	12.448	VV	29	658	0.15%	0.100%
140	12.473	12.448	12.488	VV	22	343	0.08%	0.052%
141	12.504	12.488	12.528	VV	32	473	0.11%	0.072%

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142	12.561	12.528	12.576	VV	25	558	0.13%	0.085%
143	12.613	12.576	12.625	VV	46	754	0.18%	0.115%
144	12.641	12.625	12.670	VV	30	653	0.15%	0.099%
145	12.684	12.670	12.691	VV	27	295	0.07%	0.045%
146	12.701	12.691	12.708	VV	40	302	0.07%	0.046%
147	12.739	12.708	12.755	VV	55	1206	0.28%	0.184%
148	12.762	12.755	12.783	VV	46	687	0.16%	0.105%
149	12.799	12.783	12.823	VV	50	746	0.17%	0.114%
150	12.830	12.823	12.836	VV	26	147	0.03%	0.022%
151	12.872	12.836	12.886	VV	48	974	0.23%	0.148%
152	12.903	12.886	12.918	VV	52	859	0.20%	0.131%
153	12.926	12.918	12.951	VV	47	766	0.18%	0.117%
154	12.968	12.951	12.987	VV	44	740	0.17%	0.113%
155	13.002	12.987	13.011	VV	51	572	0.13%	0.087%
156	13.046	13.011	13.054	VV	62	1395	0.33%	0.213%
157	13.063	13.054	13.117	VV	69	1800	0.42%	0.274%
158	13.198	13.117	13.296	VV	152	8734	2.04%	1.332%
159	13.311	13.296	13.328	VV	26	439	0.10%	0.067%
160	13.335	13.328	13.347	VV	26	286	0.07%	0.044%
161	13.356	13.347	13.377	VV	33	394	0.09%	0.060%
162	13.403	13.377	13.424	VV	29	441	0.10%	0.067%
163	13.432	13.424	13.444	PV	27	182	0.04%	0.028%
164	13.461	13.444	13.475	VV	20	256	0.06%	0.039%
165	13.490	13.475	13.541	VV	32	753	0.18%	0.115%
166	13.549	13.541	13.557	VV	20	156	0.04%	0.024%
167	13.579	13.557	13.616	VV	26	666	0.16%	0.102%
168	13.649	13.616	13.661	VV	31	551	0.13%	0.084%
169	13.680	13.661	13.697	VV	23	357	0.08%	0.054%
170	13.746	13.697	13.767	VV	32	865	0.20%	0.132%
171	13.772	13.767	13.780	VV	22	121	0.03%	0.018%
172	13.798	13.780	13.808	VV	39	389	0.09%	0.059%
173	13.816	13.808	13.839	VV	39	394	0.09%	0.060%
174	13.926	13.839	13.948	VV	101	4098	0.96%	0.625%
175	13.955	13.948	13.990	VV	89	1738	0.41%	0.265%
176	13.998	13.990	14.009	VV	58	612	0.14%	0.093%
177	14.115	14.009	14.232	VV	201	16715	3.91%	2.548%
178	14.239	14.232	14.264	VV	48	628	0.15%	0.096%
179	14.274	14.264	14.292	VV	33	423	0.10%	0.065%
180	14.305	14.292	14.311	VV	35	316	0.07%	0.048%
181	14.329	14.311	14.347	VV	51	878	0.21%	0.134%
182	14.365	14.347	14.383	VV	59	983	0.23%	0.150%
183	14.407	14.383	14.416	VV	44	741	0.17%	0.113%
184	14.422	14.416	14.435	VV	40	342	0.08%	0.052%
185	14.445	14.435	14.461	VV	42	415	0.10%	0.063%
186	14.470	14.461	14.498	VV	21	217	0.05%	0.033%
187	14.516	14.498	14.529	PV	13	122	0.03%	0.019%
188	14.542	14.529	14.555	VV	27	213	0.05%	0.032%
189	14.576	14.555	14.618	PB	18	323	0.08%	0.049%
190	14.688	14.641	14.704	BV	13	131	0.03%	0.020%
191	14.772	14.704	14.790	PV	20	441	0.10%	0.067%
192	14.811	14.790	14.830	PV	18	294	0.07%	0.045%
193	14.878	14.830	14.899	VV	31	710	0.17%	0.108%
194	15.057	14.899	15.181	PV	124	6691	1.56%	1.020%

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195	15.255	15.181	15.289	VV	47	1754	0.41%	0.267%
196	15.298	15.289	15.340	VV	34	746	0.17%	0.114%
197	15.414	15.340	15.490	VV	97	5769	1.35%	0.879%
198	15.504	15.490	15.556	VV	62	1987	0.46%	0.303%
199	15.577	15.556	15.615	VV	49	1183	0.28%	0.180%
200	15.750	15.615	15.765	VV	74	4084	0.95%	0.623%
201	15.798	15.765	15.829	VV	110	2757	0.64%	0.420%
202	15.843	15.829	15.904	VV	95	3281	0.77%	0.500%
203	15.934	15.904	16.007	VV	93	4319	1.01%	0.658%
204	16.019	16.007	16.083	VV	66	1290	0.30%	0.197%
205	16.103	16.083	16.133	VV	30	642	0.15%	0.098%
206	16.204	16.133	16.298	VV	173	8912	2.08%	1.359%
207	16.311	16.298	16.364	VV	34	1092	0.26%	0.166%
208	16.373	16.364	16.478	VV	46	1726	0.40%	0.263%
209	16.507	16.478	16.521	VV	31	384	0.09%	0.059%
210	16.559	16.521	16.573	PV	29	540	0.13%	0.082%
211	16.599	16.573	16.681	VV	37	1601	0.37%	0.244%
212	16.706	16.681	16.734	VV	17	361	0.08%	0.055%
213	16.763	16.734	16.781	VV	24	359	0.08%	0.055%
214	16.809	16.781	16.824	VV	26	389	0.09%	0.059%
215	16.848	16.824	16.876	VV	23	447	0.10%	0.068%
216	16.887	16.876	16.909	VV	28	299	0.07%	0.046%
217	16.923	16.909	16.940	PV	32	257	0.06%	0.039%
218	16.964	16.940	17.001	VBA	22	402	0.09%	0.061%
			Sum of corrected areas:			655940		

FB042325.M Thu May 15 04:53:51 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031731.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 23:40
Operator : YP/AJ
Sample : Q2010-03
Misc : 5.96G/5.00 ML DI WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-14

Integration File: Calibration.e
Quant Time: May 14 07:23:54 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	363089	15.833 ng/ml
Target Compounds				

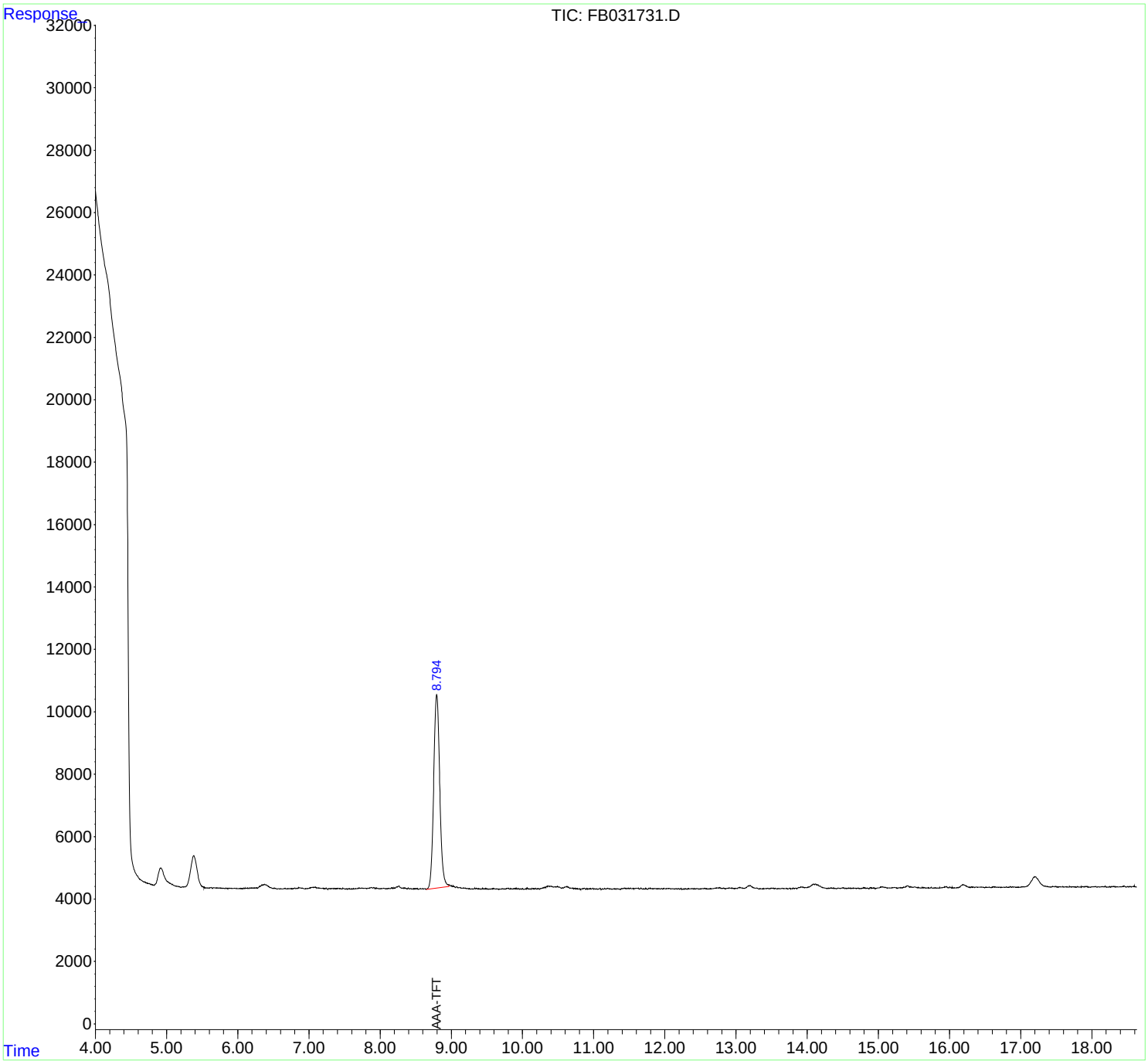
(f)=RT Delta > 1/2 Window (m)=manual int.

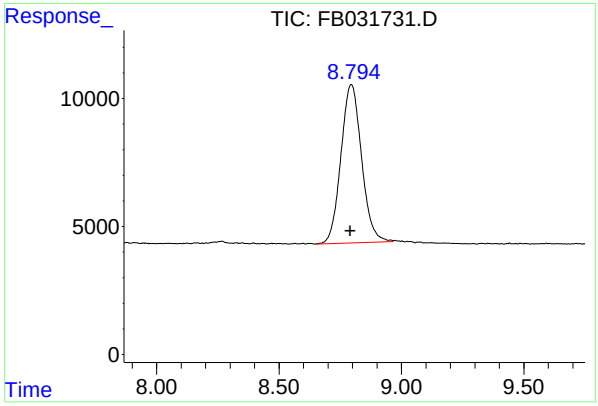
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031731.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 23:40
Operator : YP/AJ
Sample : Q2010-03
Misc : 5.96G/5.00 ML DI WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-14

Integration File: Calibration.e
Quant Time: May 14 07:23:54 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.: 0.004 mi
Response: 363089
Conc: 15.83 ng/m

Instrument :
FID_B
ClientSampleId :
TP-14

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031731.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 23:40
Sample : Q2010-03
Misc : 5.96G/5.00 ML DI WATER
ALS Vial : 27 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	5.230	5.196	5.239	PV	23	308	0.08%	0.053%
2	5.569	5.559	5.579	PV	17	100	0.03%	0.017%
3	5.617	5.579	5.625	VV	21	293	0.08%	0.051%
4	5.631	5.625	5.650	VV	24	191	0.05%	0.033%
5	5.667	5.650	5.678	PV	21	260	0.07%	0.045%
6	5.687	5.678	5.696	VV	15	135	0.04%	0.023%
7	5.705	5.696	5.741	VV	21	376	0.10%	0.065%
8	5.751	5.741	5.821	VV	22	448	0.12%	0.078%
9	5.835	5.821	5.866	PV	18	229	0.06%	0.040%
10	5.876	5.866	5.897	VV	12	188	0.05%	0.032%
11	5.908	5.897	5.917	VV	16	124	0.03%	0.021%
12	5.960	5.917	5.980	VV	17	348	0.09%	0.060%
13	5.988	5.980	6.006	PV	15	70	0.02%	0.012%
14	6.016	6.006	6.073	VV	10	317	0.09%	0.055%
15	6.085	6.073	6.113	VV	22	332	0.09%	0.057%
16	6.143	6.113	6.157	VV	33	483	0.13%	0.084%
17	6.168	6.157	6.177	VV	38	285	0.08%	0.049%
18	6.198	6.177	6.209	VV	37	491	0.13%	0.085%
19	6.217	6.209	6.225	VV	33	251	0.07%	0.043%
20	6.236	6.225	6.243	VV	38	323	0.09%	0.056%
21	6.251	6.243	6.278	VV	40	602	0.16%	0.104%
22	6.339	6.278	6.345	VV	131	3143	0.84%	0.544%
23	6.376	6.345	6.495	VV	148	8110	2.18%	1.404%
24	6.513	6.495	6.525	VV	33	431	0.12%	0.075%
25	6.535	6.525	6.553	VV	21	219	0.06%	0.038%
26	6.573	6.553	6.589	VV	14	180	0.05%	0.031%
27	6.609	6.589	6.620	PV	15	162	0.04%	0.028%
28	6.664	6.620	6.689	VV	27	489	0.13%	0.085%
29	6.695	6.689	6.702	VV	12	72	0.02%	0.012%
30	6.711	6.702	6.729	VV	17	201	0.05%	0.035%
31	6.741	6.729	6.777	VV	21	422	0.11%	0.073%
32	6.802	6.777	6.812	VV	40	471	0.13%	0.081%
33	6.859	6.812	6.871	VV	51	1014	0.27%	0.176%
34	6.885	6.871	6.895	VV	42	538	0.14%	0.093%
35	6.904	6.895	6.948	VV	36	677	0.18%	0.117%
36	6.957	6.948	6.975	VV	18	246	0.07%	0.042%

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37	7.013	6.975	7.020	VV	45	728	0.20%	0.126%
38	7.056	7.020	7.073	VV	64	1685	0.45%	0.292%
39	7.079	7.073	7.085	VV	62	425	0.11%	0.074%
40	7.092	7.085	7.120	VV	67	1102	0.30%	0.191%
41	7.128	7.120	7.190	VV	43	1299	0.35%	0.225%
42	7.197	7.190	7.228	VV	29	492	0.13%	0.085%
43	7.242	7.228	7.270	VV	37	390	0.10%	0.068%
44	7.284	7.270	7.301	VV	25	312	0.08%	0.054%
45	7.336	7.301	7.345	VV	26	541	0.15%	0.094%
46	7.353	7.345	7.376	VV	31	375	0.10%	0.065%
47	7.384	7.376	7.390	VV	23	170	0.05%	0.029%
48	7.405	7.390	7.415	VV	29	355	0.10%	0.061%
49	7.425	7.415	7.467	VV	27	567	0.15%	0.098%
50	7.477	7.467	7.513	VV	37	487	0.13%	0.084%
51	7.525	7.513	7.541	VV	18	172	0.05%	0.030%
52	7.568	7.541	7.580	PV	24	300	0.08%	0.052%
53	7.598	7.580	7.621	VV	16	232	0.06%	0.040%
54	7.658	7.621	7.677	VV	24	567	0.15%	0.098%
55	7.712	7.677	7.722	VV	46	842	0.23%	0.146%
56	7.743	7.722	7.769	VV	40	969	0.26%	0.168%
57	7.792	7.769	7.816	VV	39	800	0.21%	0.138%
58	7.828	7.816	7.838	VV	34	399	0.11%	0.069%
59	7.880	7.838	7.896	VV	58	1525	0.41%	0.264%
60	7.911	7.896	7.931	VV	59	960	0.26%	0.166%
61	7.955	7.931	8.002	VV	41	1127	0.30%	0.195%
62	8.014	8.002	8.027	VV	27	329	0.09%	0.057%
63	8.052	8.027	8.086	VV	33	870	0.23%	0.151%
64	8.096	8.086	8.112	VV	28	355	0.10%	0.061%
65	8.125	8.112	8.143	VV	37	500	0.13%	0.087%
66	8.170	8.143	8.180	VV	53	831	0.22%	0.144%
67	8.203	8.180	8.211	VV	50	699	0.19%	0.121%
68	8.268	8.211	8.313	VV	111	4235	1.14%	0.733%
69	8.327	8.313	8.342	VV	52	693	0.19%	0.120%
70	8.351	8.342	8.381	VV	50	751	0.20%	0.130%
71	8.397	8.381	8.420	VV	45	591	0.16%	0.102%
72	8.431	8.420	8.448	VV	31	360	0.10%	0.062%
73	8.469	8.448	8.490	VV	33	476	0.13%	0.082%
74	8.505	8.490	8.518	VV	28	359	0.10%	0.062%
75	8.527	8.518	8.538	VV	27	177	0.05%	0.031%
76	8.566	8.538	8.582	VV	33	415	0.11%	0.072%
77	8.600	8.582	8.610	VV	34	323	0.09%	0.056%
78	8.631	8.610	8.648	VV	27	375	0.10%	0.065%
79	8.795	8.648	8.967	VV	6243	372851	100.00%	64.526%
80	8.974	8.967	9.016	VV	149	3647	0.98%	0.631%
81	9.025	9.016	9.056	VV	114	2289	0.61%	0.396%
82	9.078	9.056	9.111	VV	89	2229	0.60%	0.386%
83	9.124	9.111	9.153	VV	62	1288	0.35%	0.223%
84	9.176	9.153	9.278	VV	51	2438	0.65%	0.422%
85	9.292	9.278	9.310	VV	29	377	0.10%	0.065%
86	9.330	9.310	9.347	VV	38	564	0.15%	0.098%
87	9.353	9.347	9.377	VV	41	497	0.13%	0.086%
88	9.383	9.377	9.402	VV	31	328	0.09%	0.057%
89	9.408	9.402	9.422	VV	27	182	0.05%	0.032%

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90	9.443	9.422	9.458	VV	49	540	0.14%	0.093%
91	9.467	9.458	9.477	VV	26	237	0.06%	0.041%
92	9.486	9.477	9.498	VV	38	329	0.09%	0.057%
93	9.508	9.498	9.528	VV	28	365	0.10%	0.063%
94	9.593	9.528	9.628	VV	46	1299	0.35%	0.225%
95	9.638	9.628	9.662	VV	26	386	0.10%	0.067%
96	9.669	9.662	9.691	VV	21	265	0.07%	0.046%
97	9.715	9.691	9.741	VV	32	613	0.16%	0.106%
98	9.757	9.741	9.765	VV	26	277	0.07%	0.048%
99	9.791	9.765	9.801	VV	43	703	0.19%	0.122%
100	9.807	9.801	9.818	VV	46	288	0.08%	0.050%
101	9.835	9.818	9.842	VV	33	341	0.09%	0.059%
102	9.850	9.842	9.865	VV	31	311	0.08%	0.054%
103	9.882	9.865	9.889	VV	34	389	0.10%	0.067%
104	9.900	9.889	9.934	VV	41	791	0.21%	0.137%
105	9.942	9.934	9.964	VV	32	401	0.11%	0.069%
106	9.974	9.964	9.988	VV	28	279	0.07%	0.048%
107	10.003	9.988	10.034	VV	35	491	0.13%	0.085%
108	10.065	10.034	10.098	VV	57	1103	0.30%	0.191%
109	10.110	10.098	10.123	VV	27	305	0.08%	0.053%
110	10.133	10.123	10.171	VV	44	811	0.22%	0.140%
111	10.186	10.171	10.199	VV	41	486	0.13%	0.084%
112	10.221	10.199	10.237	VV	40	617	0.17%	0.107%
113	10.369	10.237	10.383	VV	123	6145	1.65%	1.063%
114	10.393	10.383	10.402	VV	114	1247	0.33%	0.216%
115	10.411	10.402	10.440	VV	110	2236	0.60%	0.387%
116	10.457	10.440	10.478	VV	93	2027	0.54%	0.351%
117	10.489	10.478	10.549	VV	102	3388	0.91%	0.586%
118	10.565	10.549	10.576	VV	66	946	0.25%	0.164%
119	10.619	10.576	10.627	VV	99	2440	0.65%	0.422%
120	10.633	10.627	10.666	VV	101	1768	0.47%	0.306%
121	10.677	10.666	10.694	VV	53	833	0.22%	0.144%
122	10.704	10.694	10.728	VV	54	866	0.23%	0.150%
123	10.737	10.728	10.753	VV	46	558	0.15%	0.097%
124	10.762	10.753	10.788	VV	41	624	0.17%	0.108%
125	10.798	10.788	10.819	VV	32	473	0.13%	0.082%
126	10.870	10.819	10.888	VV	48	1302	0.35%	0.225%
127	10.910	10.888	10.920	VV	42	526	0.14%	0.091%
128	10.934	10.920	10.944	VV	34	392	0.11%	0.068%
129	10.954	10.944	10.964	VV	38	350	0.09%	0.061%
130	10.993	10.964	11.005	VV	47	787	0.21%	0.136%
131	11.016	11.005	11.025	VV	35	349	0.09%	0.060%
132	11.042	11.025	11.053	VV	37	421	0.11%	0.073%
133	11.062	11.053	11.072	VV	26	230	0.06%	0.040%
134	11.093	11.072	11.106	VV	51	629	0.17%	0.109%
135	11.123	11.106	11.141	PV	34	467	0.13%	0.081%
136	11.158	11.141	11.178	VV	53	679	0.18%	0.117%
137	11.198	11.178	11.224	VV	47	974	0.26%	0.168%
138	11.237	11.224	11.259	VV	36	542	0.15%	0.094%
139	11.300	11.259	11.314	VV	31	797	0.21%	0.138%
140	11.323	11.314	11.345	VV	35	514	0.14%	0.089%
141	11.354	11.345	11.369	VV	33	320	0.09%	0.055%

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142	11.403	11.369	11.412	VV	41	715	0.19%	0.124%
143	11.433	11.412	11.467	VV	58	1361	0.37%	0.236%
144	11.518	11.467	11.554	VV	53	1906	0.51%	0.330%
145	11.596	11.554	11.617	VV	48	1414	0.38%	0.245%
146	11.626	11.617	11.654	VV	49	670	0.18%	0.116%
147	11.667	11.654	11.686	VV	49	633	0.17%	0.110%
148	11.707	11.686	11.716	VV	28	384	0.10%	0.067%
149	11.732	11.716	11.757	VV	32	592	0.16%	0.102%
150	11.777	11.757	11.786	VV	41	494	0.13%	0.086%
151	11.794	11.786	11.832	VV	48	874	0.23%	0.151%
152	11.862	11.832	11.902	VV	37	1171	0.31%	0.203%
153	11.923	11.902	11.938	VV	31	529	0.14%	0.091%
154	11.955	11.938	11.967	VV	36	457	0.12%	0.079%
155	11.988	11.967	12.014	VV	40	770	0.21%	0.133%
156	12.022	12.014	12.028	VV	31	209	0.06%	0.036%
157	12.041	12.028	12.052	VV	34	429	0.12%	0.074%
158	12.065	12.052	12.085	VV	35	576	0.15%	0.100%
159	12.096	12.085	12.105	VV	26	257	0.07%	0.045%
160	12.118	12.105	12.135	VV	29	391	0.10%	0.068%
161	12.168	12.135	12.211	VV	28	937	0.25%	0.162%
162	12.227	12.211	12.243	VV	39	377	0.10%	0.065%
163	12.256	12.243	12.280	VV	20	250	0.07%	0.043%
164	12.294	12.280	12.304	VV	25	250	0.07%	0.043%
165	12.338	12.304	12.352	VV	27	511	0.14%	0.089%
166	12.367	12.352	12.378	VV	26	322	0.09%	0.056%
167	12.384	12.378	12.412	VV	31	452	0.12%	0.078%
168	12.450	12.412	12.517	VV	30	1168	0.31%	0.202%
169	12.537	12.517	12.547	VV	29	394	0.11%	0.068%
170	12.559	12.547	12.620	VV	41	900	0.24%	0.156%
171	12.711	12.620	12.720	VV	43	1362	0.37%	0.236%
172	12.775	12.720	12.790	VV	61	1767	0.47%	0.306%
173	12.798	12.790	12.814	VV	37	448	0.12%	0.077%
174	12.826	12.814	12.857	VV	38	730	0.20%	0.126%
175	12.906	12.857	12.931	VV	48	1432	0.38%	0.248%
176	12.941	12.931	12.950	VV	51	421	0.11%	0.073%
177	12.959	12.950	12.981	VV	33	490	0.13%	0.085%
178	12.990	12.981	12.997	VV	35	248	0.07%	0.043%
179	13.045	12.997	13.123	VV	59	2906	0.78%	0.503%
180	13.189	13.123	13.285	VV	121	6778	1.82%	1.173%
181	13.290	13.285	13.321	VV	37	540	0.14%	0.093%
182	13.333	13.321	13.368	VV	18	342	0.09%	0.059%
183	13.388	13.368	13.397	VV	19	248	0.07%	0.043%
184	13.448	13.397	13.460	VV	27	670	0.18%	0.116%
185	13.494	13.460	13.502	VV	34	464	0.12%	0.080%
186	13.525	13.502	13.541	VV	34	553	0.15%	0.096%
187	13.551	13.541	13.575	VV	31	350	0.09%	0.061%
188	13.606	13.575	13.621	VV	20	368	0.10%	0.064%
189	13.652	13.621	13.664	VV	27	417	0.11%	0.072%
190	13.676	13.664	13.692	VV	22	249	0.07%	0.043%
191	13.708	13.692	13.735	VV	29	363	0.10%	0.063%
192	13.753	13.735	13.777	VV	32	410	0.11%	0.071%
193	13.805	13.777	13.821	VV	27	451	0.12%	0.078%
194	13.837	13.821	13.855	VV	29	431	0.12%	0.075%

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195	13.915	13.855	13.967	VV	67	3235	0.87%	0.560%
196	13.976	13.967	13.989	VV	52	613	0.16%	0.106%
197	14.088	13.989	14.099	VV	160	6087	1.63%	1.053%
198	14.115	14.099	14.146	VV	160	4031	1.08%	0.698%
199	14.154	14.146	14.277	VV	135	4613	1.24%	0.798%
200	14.296	14.277	14.307	VV	32	323	0.09%	0.056%
201	14.341	14.307	14.367	VV	36	777	0.21%	0.135%
202	14.374	14.367	14.415	VV	31	433	0.12%	0.075%
203	14.435	14.415	14.460	VV	27	462	0.12%	0.080%
204	14.499	14.460	14.506	VV	38	605	0.16%	0.105%
205	14.514	14.506	14.529	VV	39	331	0.09%	0.057%
206	14.552	14.529	14.562	VV	17	239	0.06%	0.041%
207	14.604	14.562	14.691	VV	29	1256	0.34%	0.217%
208	14.718	14.691	14.754	VV	20	434	0.12%	0.075%
209	14.788	14.754	14.866	VV	37	1169	0.31%	0.202%
210	14.892	14.866	14.932	VV	31	809	0.22%	0.140%
211	14.941	14.932	14.957	VV	32	218	0.06%	0.038%
212	15.054	14.957	15.128	PV	60	3362	0.90%	0.582%
213	15.142	15.128	15.178	VV	24	602	0.16%	0.104%
214	15.225	15.178	15.273	VV	34	1323	0.35%	0.229%
215	15.411	15.273	15.492	VV	82	5378	1.44%	0.931%
216	15.509	15.492	15.562	VV	50	1445	0.39%	0.250%
217	15.566	15.562	15.609	VV	23	437	0.12%	0.076%
218	15.631	15.609	15.698	VV	30	818	0.22%	0.142%
219	15.707	15.698	15.723	VV	22	144	0.04%	0.025%
220	15.743	15.723	15.779	PV	27	306	0.08%	0.053%
221	15.798	15.779	15.821	PV	14	210	0.06%	0.036%
222	15.839	15.821	15.879	PV	11	222	0.06%	0.038%
223	15.953	15.879	15.993	VV	44	1823	0.49%	0.315%
224	16.004	15.993	16.087	VV	35	662	0.18%	0.115%
225	16.190	16.087	16.294	VV	115	6068	1.63%	1.050%
226	16.313	16.294	16.361	VV	38	904	0.24%	0.156%
227	16.376	16.361	16.397	VV	31	510	0.14%	0.088%
228	16.433	16.397	16.494	VV	25	1147	0.31%	0.199%
229	16.509	16.494	16.541	PV	21	392	0.11%	0.068%
230	16.560	16.541	16.580	VV	24	330	0.09%	0.057%
231	16.627	16.580	16.740	PV	29	1301	0.35%	0.225%
232	16.759	16.740	16.783	PV	10	156	0.04%	0.027%
			Sum of corrected areas:			577835		

FB042325.M Wed May 14 09:15:07 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031720.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 17:44
Operator : YP/AJ
Sample : Q2010-04
Misc : 7.00G/5.00 ML DI WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-17

Integration File: Calibration.e
Quant Time: May 14 07:22:12 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	8.796	387346	16.890 ng/ml
Target Compounds				

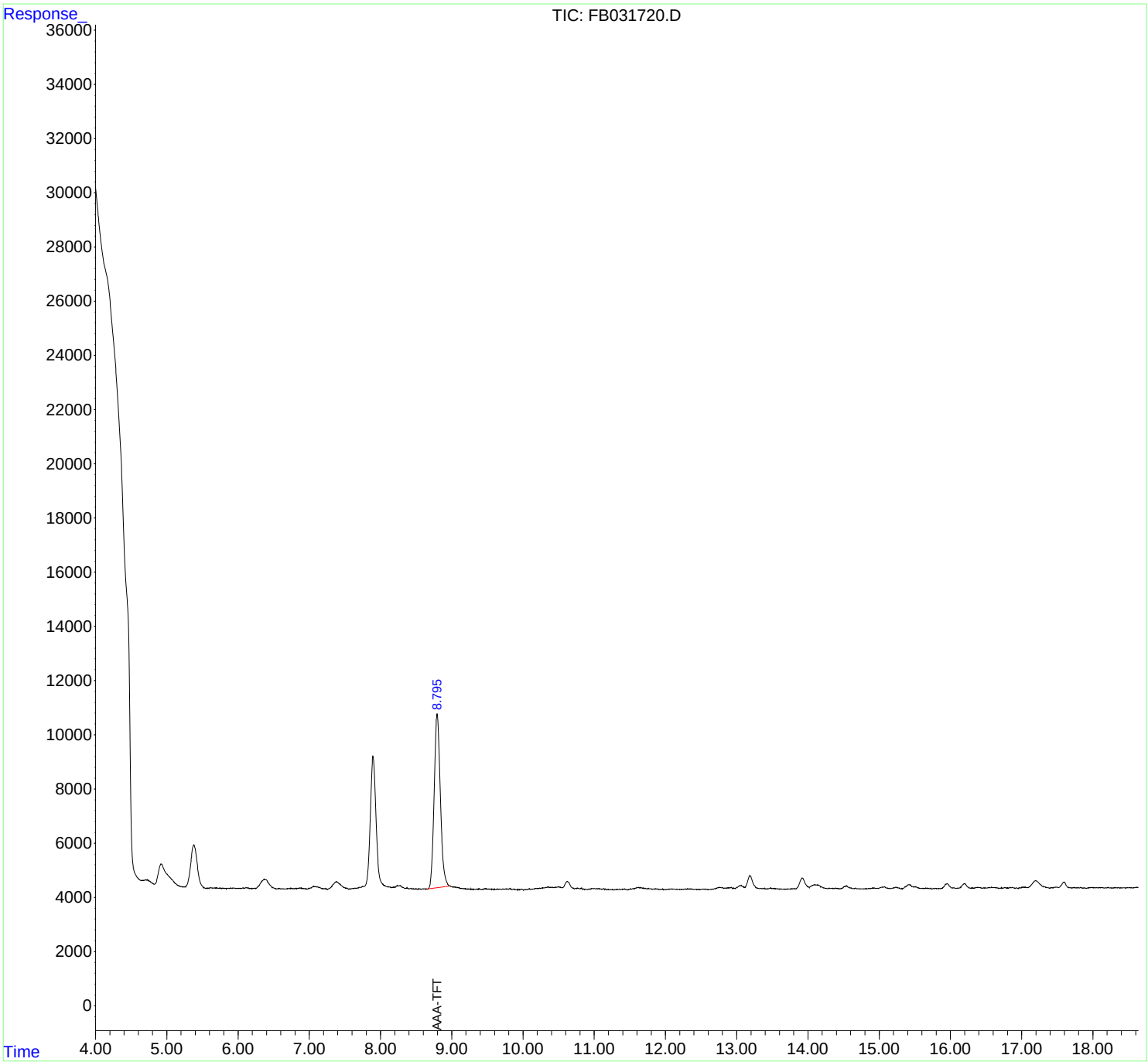
(f)=RT Delta > 1/2 Window (m)=manual int.

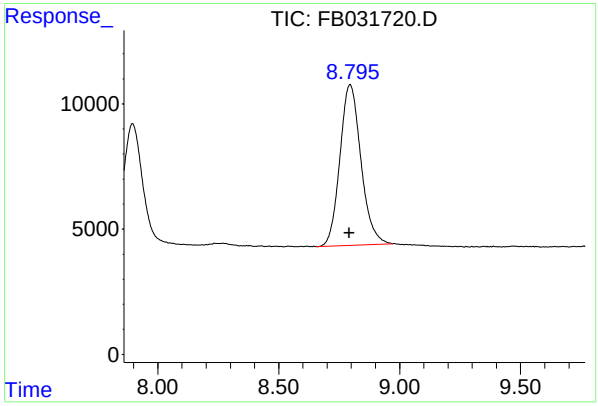
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031720.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 17:44
Operator : YP/AJ
Sample : Q2010-04
Misc : 7.00G/5.00 ML DI WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-17

Integration File: Calibration.e
Quant Time: May 14 07:22:12 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.: 8.796 min
Delta R.T.: 0.004 mi
Response: 387346
Conc: 16.89 ng/m

Instrument :
FID_B
ClientSampleId :
TP-17

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031720.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 17:44
Sample : Q2010-04
Misc : 7.00G/5.00 ML DI WATER
ALS Vial : 14 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	4.659	4.604	4.681	BV	7	-74	-0.02%	-0.007%
2	4.712	4.681	4.724	VV	68	1387	0.34%	0.129%
3	4.731	4.724	4.826	VV	90	2451	0.60%	0.228%
4	5.231	5.220	5.260	PV	11	238	0.06%	0.022%
5	5.550	5.541	5.561	PV	14	85	0.02%	0.008%
6	5.581	5.561	5.591	VV	13	150	0.04%	0.014%
7	5.613	5.591	5.628	VV	36	493	0.12%	0.046%
8	5.633	5.628	5.642	VV	29	177	0.04%	0.016%
9	5.673	5.642	5.695	VV	33	690	0.17%	0.064%
10	5.703	5.695	5.720	VV	35	326	0.08%	0.030%
11	5.749	5.720	5.772	VV	27	458	0.11%	0.043%
12	5.781	5.772	5.790	VV	20	134	0.03%	0.012%
13	5.798	5.790	5.835	VV	24	306	0.08%	0.028%
14	5.866	5.835	5.877	PV	21	371	0.09%	0.034%
15	5.899	5.877	5.915	VV	29	402	0.10%	0.037%
16	5.943	5.915	5.988	VV	29	835	0.21%	0.078%
17	6.005	5.988	6.020	VV	29	336	0.08%	0.031%
18	6.029	6.020	6.040	VV	24	216	0.05%	0.020%
19	6.069	6.040	6.077	VV	35	533	0.13%	0.050%
20	6.083	6.077	6.096	VV	30	283	0.07%	0.026%
21	6.113	6.096	6.129	VV	47	698	0.17%	0.065%
22	6.138	6.129	6.161	VV	46	560	0.14%	0.052%
23	6.169	6.161	6.207	VV	25	430	0.11%	0.040%
24	6.216	6.207	6.223	VV	28	194	0.05%	0.018%
25	6.237	6.223	6.254	VV	28	404	0.10%	0.038%
26	6.371	6.254	6.543	VV	361	29867	7.34%	2.776%
27	6.583	6.543	6.600	VV	26	553	0.14%	0.051%
28	6.630	6.600	6.668	VV	16	406	0.10%	0.038%
29	6.682	6.668	6.693	VV	19	229	0.06%	0.021%
30	6.703	6.693	6.711	VV	26	221	0.05%	0.021%
31	6.723	6.711	6.730	VV	34	300	0.07%	0.028%
32	6.737	6.730	6.752	VV	42	392	0.10%	0.036%
33	6.761	6.752	6.775	VV	36	329	0.08%	0.031%
34	6.785	6.775	6.800	VV	24	307	0.08%	0.029%
35	6.807	6.800	6.820	VV	34	347	0.09%	0.032%
36	6.837	6.820	6.850	VV	33	534	0.13%	0.050%

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rteres

37	6.857	6.850	6.860	VV	48	249	0.06%	0.023%
38	6.870	6.860	6.903	VV	51	1101	0.27%	0.102%
39	6.912	6.903	6.969	VV	30	886	0.22%	0.082%
40	7.062	6.969	7.072	VV	108	3549	0.87%	0.330%
41	7.080	7.072	7.137	VV	110	3543	0.87%	0.329%
42	7.144	7.137	7.201	VV	78	1826	0.45%	0.170%
43	7.214	7.201	7.224	VV	34	336	0.08%	0.031%
44	7.237	7.224	7.252	VV	31	335	0.08%	0.031%
45	7.387	7.252	7.551	PV	287	24063	5.91%	2.236%
46	7.568	7.551	7.579	VV	28	355	0.09%	0.033%
47	7.590	7.579	7.599	VV	39	341	0.08%	0.032%
48	7.616	7.599	7.626	VV	49	639	0.16%	0.059%
49	7.644	7.626	7.658	VV	59	931	0.23%	0.087%
50	7.704	7.658	7.714	VV	86	2179	0.54%	0.203%
51	7.746	7.714	7.754	VV	124	2237	0.55%	0.208%
52	7.896	7.754	8.162	VV	4925	293107	72.04%	27.240%
53	8.184	8.162	8.192	VV	91	1559	0.38%	0.145%
54	8.234	8.192	8.244	VV	158	3688	0.91%	0.343%
55	8.271	8.244	8.360	VV	155	7278	1.79%	0.676%
56	8.369	8.360	8.404	VV	68	1320	0.32%	0.123%
57	8.428	8.404	8.451	VV	54	1107	0.27%	0.103%
58	8.462	8.451	8.483	VV	47	605	0.15%	0.056%
59	8.491	8.483	8.500	VV	41	337	0.08%	0.031%
60	8.508	8.500	8.521	VV	34	336	0.08%	0.031%
61	8.540	8.521	8.567	VV	43	814	0.20%	0.076%
62	8.594	8.567	8.603	VV	36	593	0.15%	0.055%
63	8.618	8.603	8.661	VV	40	1064	0.26%	0.099%
64	8.796	8.661	9.019	VV	6504	406853	100.00%	37.811%
65	9.028	9.019	9.036	VV	117	1101	0.27%	0.102%
66	9.044	9.036	9.052	VV	109	1005	0.25%	0.093%
67	9.061	9.052	9.132	VV	106	3873	0.95%	0.360%
68	9.142	9.132	9.219	VV	62	2357	0.58%	0.219%
69	9.231	9.219	9.242	VV	46	489	0.12%	0.045%
70	9.253	9.242	9.266	VV	44	442	0.11%	0.041%
71	9.275	9.266	9.290	VV	41	353	0.09%	0.033%
72	9.300	9.290	9.330	VV	41	597	0.15%	0.055%
73	9.349	9.330	9.422	VV	39	1632	0.40%	0.152%
74	9.465	9.422	9.514	VV	54	2023	0.50%	0.188%
75	9.524	9.514	9.534	VV	44	419	0.10%	0.039%
76	9.565	9.534	9.583	VV	40	874	0.21%	0.081%
77	9.642	9.583	9.658	VV	42	1173	0.29%	0.109%
78	9.677	9.658	9.701	VV	42	858	0.21%	0.080%
79	9.720	9.701	9.731	VV	51	602	0.15%	0.056%
80	9.762	9.731	9.771	VV	52	905	0.22%	0.084%
81	9.779	9.771	9.799	VV	44	633	0.16%	0.059%
82	9.816	9.799	9.846	VV	64	1164	0.29%	0.108%
83	9.877	9.846	9.901	VV	43	886	0.22%	0.082%
84	9.914	9.901	9.961	VV	25	720	0.18%	0.067%
85	9.985	9.961	10.010	VV	42	658	0.16%	0.061%
86	10.032	10.010	10.042	PV	38	401	0.10%	0.037%
87	10.058	10.042	10.068	VV	31	367	0.09%	0.034%
88	10.092	10.068	10.112	VV	55	972	0.24%	0.090%
89	10.182	10.112	10.198	VV	63	2424	0.60%	0.225%

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90	10.214	10.198	10.223	VV	68	914	0.22%	0.085%
91	10.235	10.223	10.253	VV	76	1226	0.30%	0.114%
92	10.271	10.253	10.294	VV	85	1907	0.47%	0.177%
93	10.326	10.294	10.339	VV	104	2499	0.61%	0.232%
94	10.352	10.339	10.374	VV	118	2286	0.56%	0.212%
95	10.381	10.374	10.416	VV	102	2478	0.61%	0.230%
96	10.419	10.416	10.435	VV	103	1167	0.29%	0.108%
97	10.444	10.435	10.451	VV	104	908	0.22%	0.084%
98	10.468	10.451	10.480	VV	111	1811	0.45%	0.168%
99	10.496	10.480	10.540	VV	125	3923	0.96%	0.365%
100	10.621	10.540	10.722	VV	320	18579	4.57%	1.727%
101	10.741	10.722	10.758	VV	68	1275	0.31%	0.119%
102	10.764	10.758	10.793	VV	73	1283	0.32%	0.119%
103	10.822	10.793	10.838	VV	71	1407	0.35%	0.131%
104	10.849	10.838	10.902	VV	50	1076	0.26%	0.100%
105	10.980	10.902	10.992	VV	56	2175	0.53%	0.202%
106	11.002	10.992	11.028	VV	55	1093	0.27%	0.102%
107	11.039	11.028	11.048	VV	55	564	0.14%	0.052%
108	11.061	11.048	11.076	VV	55	809	0.20%	0.075%
109	11.084	11.076	11.106	VV	48	707	0.17%	0.066%
110	11.133	11.106	11.148	VV	56	947	0.23%	0.088%
111	11.160	11.148	11.184	VV	44	534	0.13%	0.050%
112	11.210	11.184	11.227	VV	26	446	0.11%	0.041%
113	11.237	11.227	11.245	VV	18	148	0.04%	0.014%
114	11.255	11.245	11.278	VV	21	220	0.05%	0.020%
115	11.331	11.278	11.341	VV	25	666	0.16%	0.062%
116	11.355	11.341	11.367	VV	35	349	0.09%	0.032%
117	11.380	11.367	11.402	VV	28	466	0.11%	0.043%
118	11.428	11.402	11.464	VV	44	912	0.22%	0.085%
119	11.513	11.464	11.525	PV	50	805	0.20%	0.075%
120	11.623	11.525	11.640	VV	91	4425	1.09%	0.411%
121	11.648	11.640	11.705	VV	91	2758	0.68%	0.256%
122	11.724	11.705	11.750	VV	55	1335	0.33%	0.124%
123	11.765	11.750	11.774	VV	59	697	0.17%	0.065%
124	11.781	11.774	11.820	VV	47	1021	0.25%	0.095%
125	11.849	11.820	11.857	VV	40	737	0.18%	0.068%
126	11.869	11.857	11.880	VV	41	465	0.11%	0.043%
127	11.895	11.880	11.911	VV	45	565	0.14%	0.052%
128	11.920	11.911	11.939	VV	21	279	0.07%	0.026%
129	11.961	11.939	11.978	VV	34	395	0.10%	0.037%
130	11.986	11.978	11.990	VV	11	57	0.01%	0.005%
131	11.999	11.990	12.008	VV	14	122	0.03%	0.011%
132	12.043	12.008	12.052	VV	31	521	0.13%	0.048%
133	12.089	12.052	12.105	VV	37	923	0.23%	0.086%
134	12.116	12.105	12.148	VV	32	617	0.15%	0.057%
135	12.159	12.148	12.170	VV	27	276	0.07%	0.026%
136	12.178	12.170	12.231	VV	19	611	0.15%	0.057%
137	12.280	12.231	12.292	VV	31	747	0.18%	0.069%
138	12.313	12.292	12.323	VV	40	525	0.13%	0.049%
139	12.331	12.323	12.355	VV	38	569	0.14%	0.053%
140	12.364	12.355	12.396	VV	34	593	0.15%	0.055%
141	12.408	12.396	12.461	VV	21	636	0.16%	0.059%

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142	12.468	12.461	12.486	VV	17	185	0.05%	0.017%
143	12.537	12.486	12.545	VV	28	609	0.15%	0.057%
144	12.553	12.545	12.564	VV	28	235	0.06%	0.022%
145	12.572	12.564	12.592	VV	22	240	0.06%	0.022%
146	12.609	12.592	12.634	VV	14	230	0.06%	0.021%
147	12.657	12.634	12.667	VV	27	360	0.09%	0.033%
148	12.670	12.667	12.676	VV	25	115	0.03%	0.011%
149	12.694	12.676	12.709	VV	45	694	0.17%	0.065%
150	12.757	12.709	12.796	VV	87	3690	0.91%	0.343%
151	12.804	12.796	12.817	VV	83	861	0.21%	0.080%
152	12.829	12.817	12.859	VV	61	1390	0.34%	0.129%
153	12.927	12.859	12.942	VV	87	3288	0.81%	0.306%
154	12.962	12.942	12.982	VV	66	1212	0.30%	0.113%
155	13.047	12.982	13.060	VV	150	4914	1.21%	0.457%
156	13.064	13.060	13.115	VV	154	3717	0.91%	0.345%
157	13.184	13.115	13.326	VV	519	28158	6.92%	2.617%
158	13.340	13.326	13.365	VV	49	844	0.21%	0.078%
159	13.393	13.365	13.413	VV	51	987	0.24%	0.092%
160	13.480	13.413	13.507	VV	57	1940	0.48%	0.180%
161	13.517	13.507	13.525	VV	42	406	0.10%	0.038%
162	13.531	13.525	13.584	VV	49	1090	0.27%	0.101%
163	13.593	13.584	13.608	VV	28	294	0.07%	0.027%
164	13.625	13.608	13.655	VV	26	418	0.10%	0.039%
165	13.665	13.655	13.678	VV	27	183	0.05%	0.017%
166	13.693	13.678	13.703	VV	17	177	0.04%	0.016%
167	13.720	13.703	13.732	VV	25	295	0.07%	0.027%
168	13.741	13.732	13.750	VV	20	195	0.05%	0.018%
169	13.764	13.750	13.772	VV	33	308	0.08%	0.029%
170	13.802	13.772	13.811	VV	33	602	0.15%	0.056%
171	13.818	13.811	13.834	VV	31	339	0.08%	0.031%
172	13.919	13.834	14.020	VV	424	24002	5.90%	2.231%
173	14.088	14.020	14.104	VV	174	6816	1.68%	0.633%
174	14.113	14.104	14.131	VV	170	2693	0.66%	0.250%
175	14.142	14.131	14.254	VV	163	6887	1.69%	0.640%
176	14.264	14.254	14.281	VV	42	519	0.13%	0.048%
177	14.297	14.281	14.318	VV	43	721	0.18%	0.067%
178	14.331	14.318	14.341	VV	44	500	0.12%	0.046%
179	14.348	14.341	14.368	VV	40	525	0.13%	0.049%
180	14.386	14.368	14.398	VV	49	630	0.15%	0.059%
181	14.409	14.398	14.426	VV	44	567	0.14%	0.053%
182	14.436	14.426	14.451	VV	32	374	0.09%	0.035%
183	14.538	14.451	14.634	VV	124	7195	1.77%	0.669%
184	14.644	14.634	14.655	VV	30	344	0.08%	0.032%
185	14.668	14.655	14.705	VV	45	849	0.21%	0.079%
186	14.721	14.705	14.733	VV	25	294	0.07%	0.027%
187	14.753	14.733	14.775	VV	22	419	0.10%	0.039%
188	14.783	14.775	14.790	VV	18	130	0.03%	0.012%
189	14.855	14.790	14.864	VV	31	877	0.22%	0.081%
190	14.870	14.864	14.876	VV	27	166	0.04%	0.015%
191	14.905	14.876	14.922	VV	53	975	0.24%	0.091%
192	14.932	14.922	14.953	VV	52	728	0.18%	0.068%
193	14.962	14.953	14.974	VV	38	403	0.10%	0.037%
194	15.079	14.974	15.132	VV	89	5298	1.30%	0.492%

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195	15.138	15.132	15.151	VV	31	295	0.07%	0.027%
196	15.206	15.151	15.214	VV	57	1367	0.34%	0.127%
197	15.234	15.214	15.308	VV	74	2630	0.65%	0.244%
198	15.319	15.308	15.328	VV	26	219	0.05%	0.020%
199	15.421	15.328	15.494	VV	164	10221	2.51%	0.950%
200	15.509	15.494	15.587	VV	90	3013	0.74%	0.280%
201	15.603	15.587	15.632	VV	28	618	0.15%	0.057%
202	15.643	15.632	15.714	VV	29	1184	0.29%	0.110%
203	15.726	15.714	15.746	VV	35	289	0.07%	0.027%
204	15.766	15.746	15.779	PV	22	283	0.07%	0.026%
205	15.792	15.779	15.810	VV	20	294	0.07%	0.027%
206	15.824	15.810	15.863	VV	18	485	0.12%	0.045%
207	15.954	15.863	16.029	VV	200	9746	2.40%	0.906%
208	16.049	16.029	16.085	VV	43	1007	0.25%	0.094%
209	16.198	16.085	16.284	VV	188	9970	2.45%	0.927%
210	16.385	16.284	16.453	VV	54	3307	0.81%	0.307%
211	16.473	16.453	16.514	VV	28	891	0.22%	0.083%
212	16.545	16.514	16.565	VV	45	1065	0.26%	0.099%
213	16.582	16.565	16.692	VV	40	2293	0.56%	0.213%
214	16.764	16.692	16.787	PV	22	781	0.19%	0.073%
			Sum of corrected areas:			1076026		

FB042325.M Wed May 14 09:09:15 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			

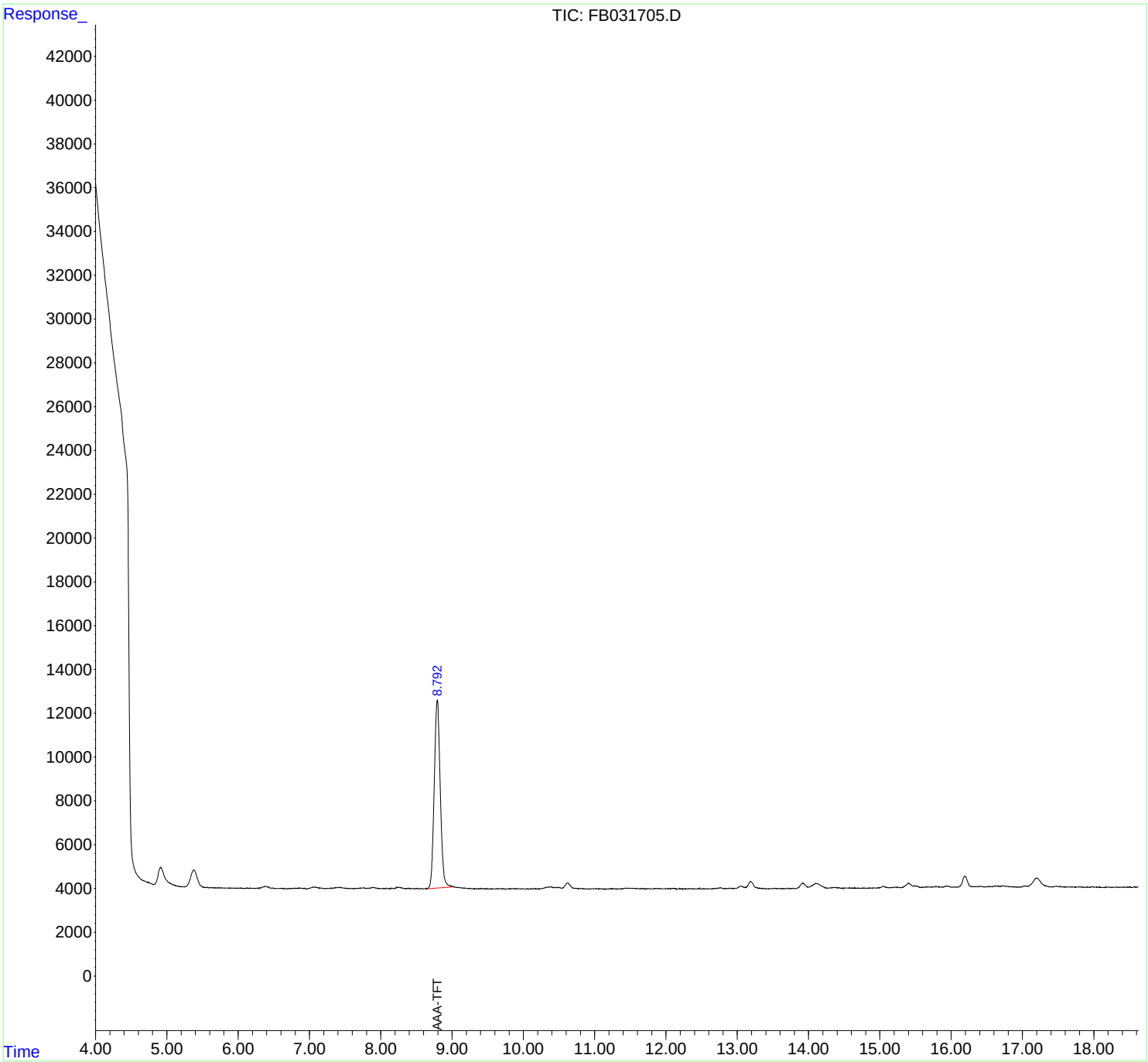
(f)=RT Delta > 1/2 Window (m)=manual int.

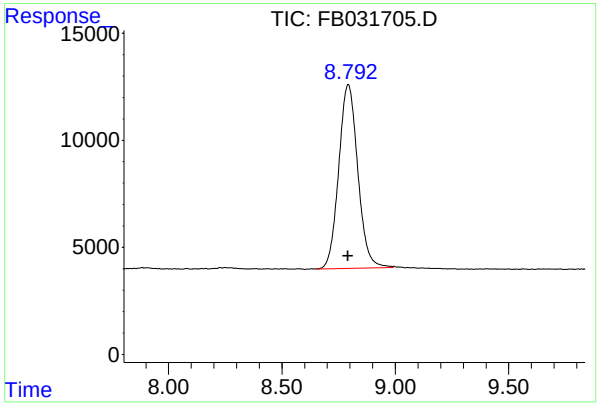
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031705.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 9:24
Operator : YP/AJ
Sample : VBF0513S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

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 mir
Response:	501449
Conc:	21.87 ng/m

Instrument :
FID_B
ClientSampleId :
VBF0513S1

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A B C D E F G H I

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\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			

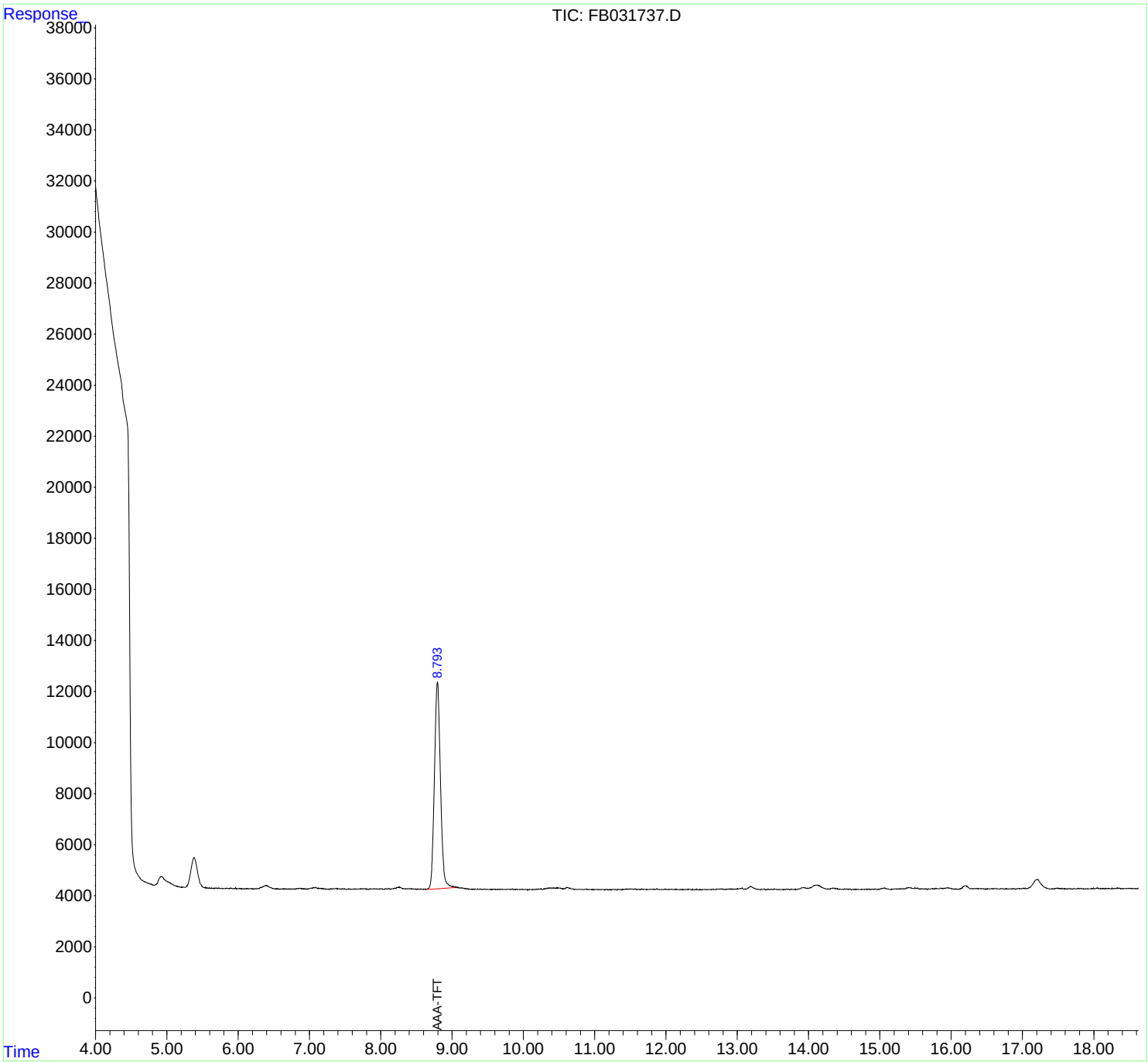
(f)=RT Delta > 1/2 Window (m)=manual int.

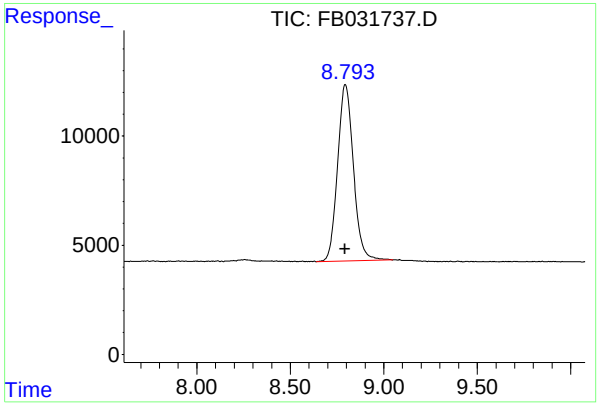
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031737.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 11:04
Operator : YP/AJ
Sample : VBF0514S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

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

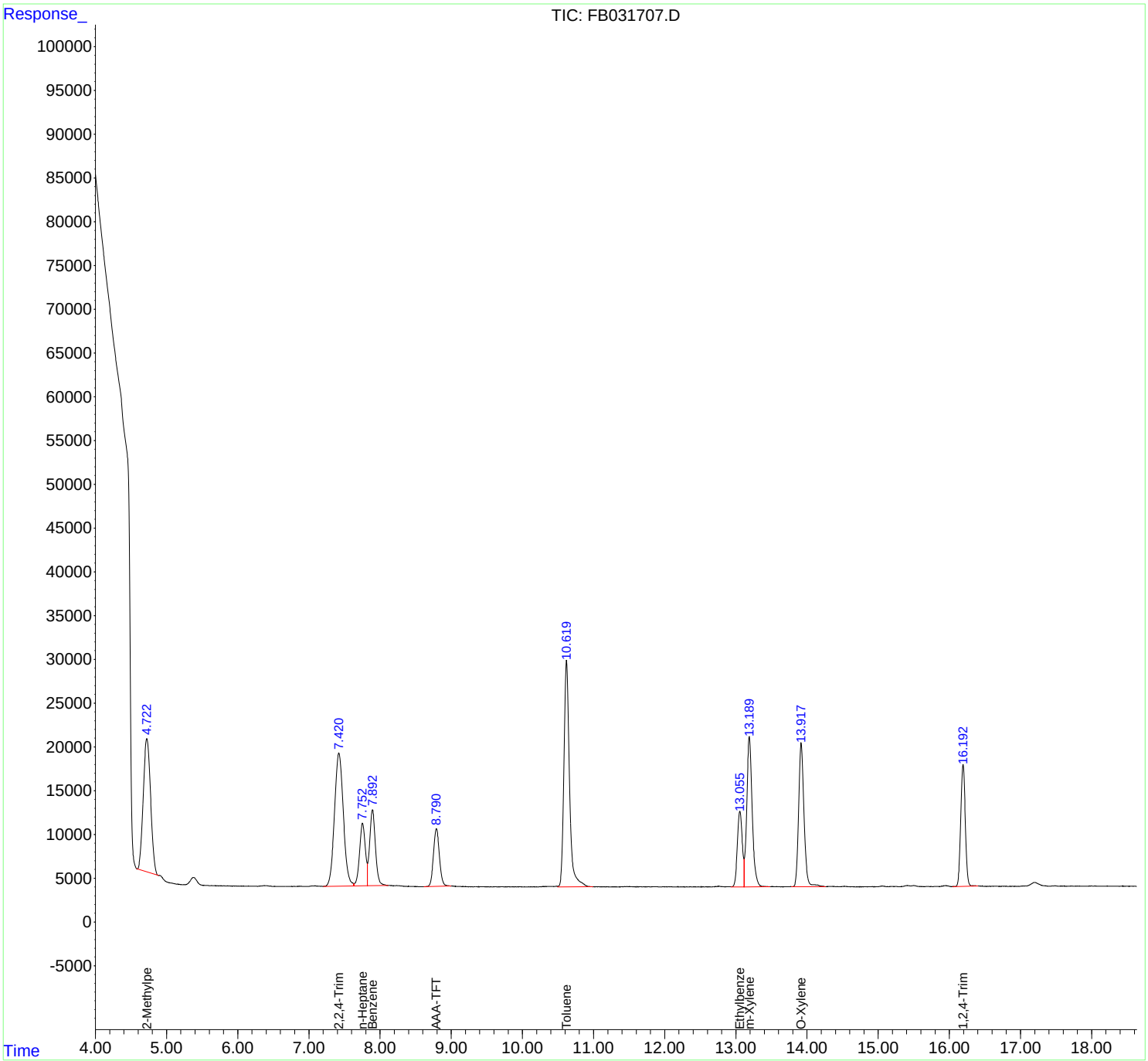
(f)=RT Delta > 1/2 Window (m)=manual int.

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

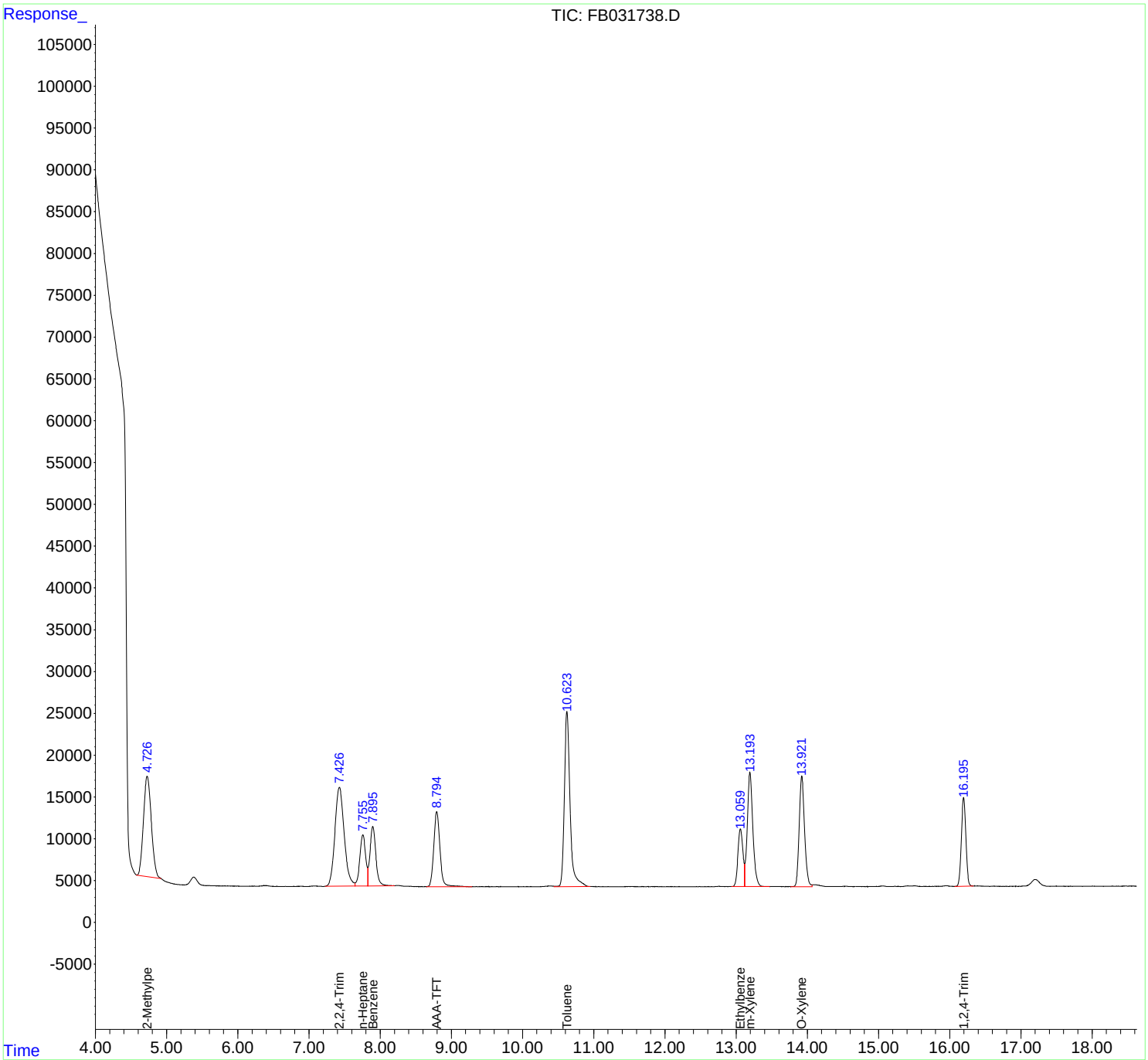
Integration File: Calibration.e
Quant Time: May 15 04:28:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

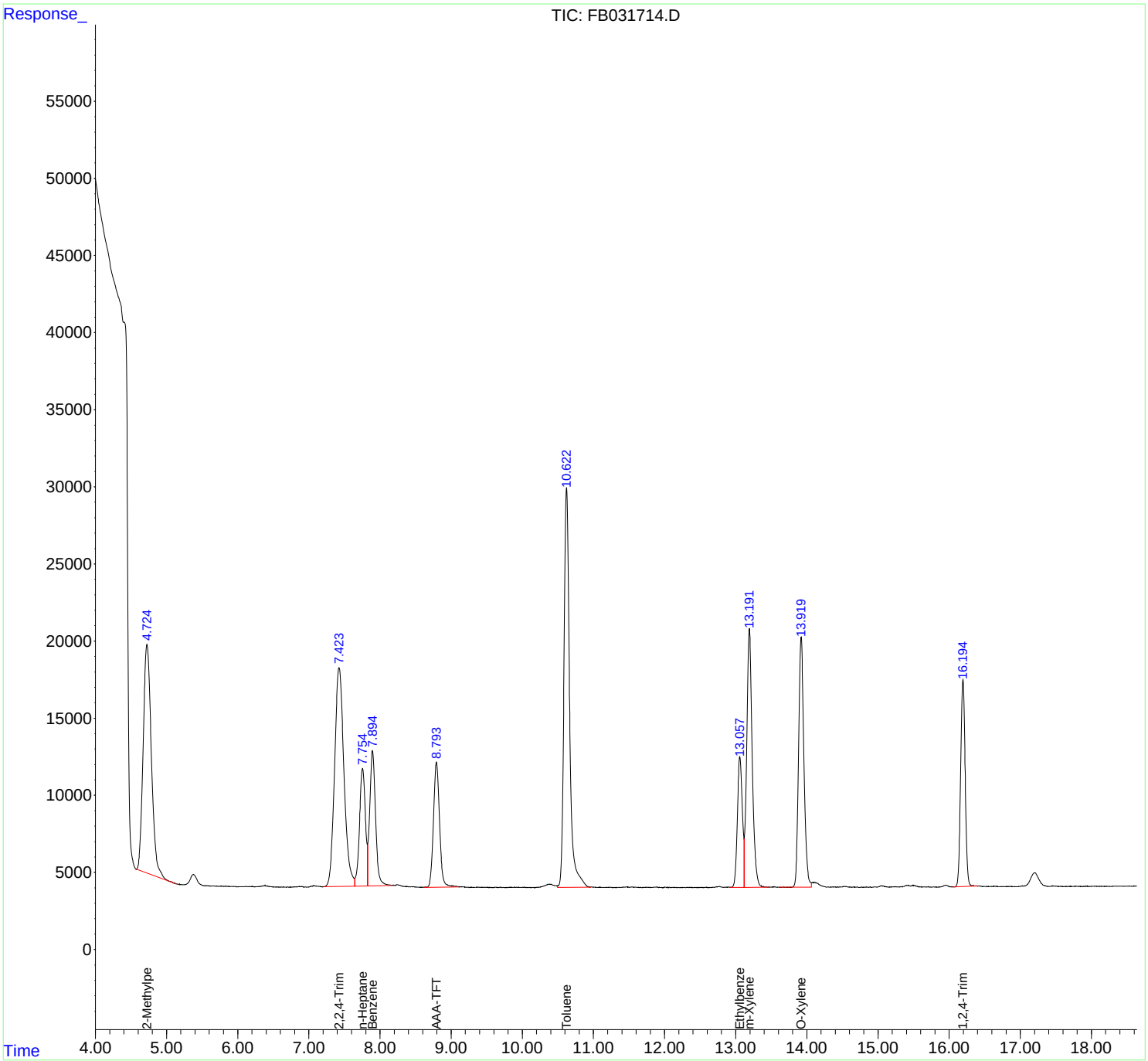
(f)=RT Delta > 1/2 Window (m)=manual int.

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



rteres

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

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
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

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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	

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

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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	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

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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

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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	

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

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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

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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

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LAB CHRONICLE

OrderID:	Q2010	**OrderDate:**	5/9/2025 4:00:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2010-01	**TP-10**	**SOIL**			**05/08/25**			**05/09/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
Q2010-02	**TP-13**	**SOIL**			**05/08/25**			**05/09/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/14/25	
Q2010-03	**TP-14**	**SOIL**			**05/08/25**			**05/09/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
Q2010-04	**TP-17**	**SOIL**			**05/08/25**			**05/09/25**
			Diesel Range Organics	8015D		05/13/25	05/14/25	
			Gasoline Range Organics	8015D			05/13/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2010

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : TP-10									
Q2010-01	TP-10	SOIL	Phenanthrene		150.000	J	22.4	180	ug/Kg
Q2010-01	TP-10	SOIL	Fluoranthene		510.000		32.1	180	ug/Kg
Q2010-01	TP-10	SOIL	Pyrene		380.000		38.5	180	ug/Kg
Q2010-01	TP-10	SOIL	Benzo(a)anthracene		220.000		24.6	180	ug/Kg
Q2010-01	TP-10	SOIL	Chrysene		280.000		21.3	180	ug/Kg
Q2010-01	TP-10	SOIL	Bis(2-ethylhexyl)phthalate		180.000		63.3	180	ug/Kg
Q2010-01	TP-10	SOIL	Benzo(b)fluoranthene		370.000		20.3	180	ug/Kg
Q2010-01	TP-10	SOIL	Benzo(k)fluoranthene		140.000	J	24	180	ug/Kg
Q2010-01	TP-10	SOIL	Benzo(a)pyrene		250.000		31.6	180	ug/Kg
Q2010-01	TP-10	SOIL	Indeno(1,2,3-cd)pyrene		130.000	J	31.1	180	ug/Kg
Q2010-01	TP-10	SOIL	Benzo(g,h,i)perylene		150.000	J	27.5	180	ug/Kg
			Total Svoc :		**2,760.00**				
Q2010-01	TP-10	SOIL	n-Hexadecanoic acid	*	220.000	J	0	0	ug/Kg
Q2010-01	TP-10	SOIL	11H-Benzo[a]fluoren-11-one	*	84.500	J	0	0	ug/Kg
Q2010-01	TP-10	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	200.000	AB	0	0	ug/Kg
Q2010-01	TP-10	SOIL	Benzo[e]pyrene	*	180.000	J	0	0	ug/Kg
Q2010-01	TP-10	SOIL	Benzophenone	*	120.000	J	0	0	ug/Kg
			Total Tics :		**804.50**				
			Total Concentration:		**3,564.50**				
Client ID : TP-13									
Q2010-02	TP-13	SOIL	(E)-4-(3-Hydroxyprop-1-en-1-yl)-	*	180.000	J	0	0	ug/Kg
Q2010-02	TP-13	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	280.000	AB	0	0	ug/Kg
Q2010-02	TP-13	SOIL	3,5-Dimethoxy-4-hydroxycinnam	*	410.000	J	0	0	ug/Kg
Q2010-02	TP-13	SOIL	Benzophenone	*	350.000	J	0	0	ug/Kg
Q2010-02	TP-13	SOIL	cis-13-Octadecenoic acid	*	190.000	J	0	0	ug/Kg
Q2010-02	TP-13	SOIL	Dichloroacetic acid, heptadecyl es	*	110.000	J	0	0	ug/Kg
Q2010-02	TP-13	SOIL	Docosane, 7-hexyl-	*	120.000	J	0	0	ug/Kg
Q2010-02	TP-13	SOIL	Eicosane, 9-octyl-	*	83.700	J	0	0	ug/Kg
Q2010-02	TP-13	SOIL	Heptacosane	*	110.000	J	0	0	ug/Kg
Q2010-02	TP-13	SOIL	n-Hexadecanoic acid	*	2,100.000	J	0	0	ug/Kg
Q2010-02	TP-13	SOIL	Nonadecane	*	120.000	J	0	0	ug/Kg
Q2010-02	TP-13	SOIL	Octadecanoic acid	*	100.000	J	0	0	ug/Kg
Q2010-02	TP-13	SOIL	Octadecanoic acid, 2-(2-hydroxye	*	900.000	J	0	0	ug/Kg
Q2010-02	TP-13	SOIL	Pentadecanoic acid	*	220.000	J	0	0	ug/Kg
Q2010-02	TP-13	SOIL	Tetradecanoic acid	*	390.000	J	0	0	ug/Kg
Q2010-02	TP-13	SOIL	trans-Sinapyl alcohol	*	550.000	J	0	0	ug/Kg
Q2010-02	TP-13	SOIL	Tridecanoic acid	*	2,400.000	J	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2010

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2010-02	TP-13	SOIL	unknown13.634	*	180.000	J	0	0	ug/Kg
			Total Tics :		**8,793.70**				
			Total Concentration:		**8,793.70**				
Client ID :	**TP-14**								
Q2010-03	TP-14	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	290.000	AB	0	0	ug/Kg
Q2010-03	TP-14	SOIL	Benzophenone	*	210.000	J	0	0	ug/Kg
Q2010-03	TP-14	SOIL	n-Hexadecanoic acid	*	180.000	J	0	0	ug/Kg
Q2010-03	TP-14	SOIL	Pentafluoropropionic acid, pentad	*	130.000	J	0	0	ug/Kg
			Total Tics :		**810.00**				
			Total Concentration:		**810.00**				
Client ID :	**TP-17**								
Q2010-04	TP-17	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	330.000	AB	0	0	ug/Kg
Q2010-04	TP-17	SOIL	Benzophenone	*	190.000	J	0	0	ug/Kg
Q2010-04	TP-17	SOIL	Heptadecyl trifluoroacetate	*	150.000	J	0	0	ug/Kg
Q2010-04	TP-17	SOIL	n-Hexadecanoic acid	*	150.000	J	0	0	ug/Kg
Q2010-04	TP-17	SOIL	unknown17.756	*	100.000	J	0	0	ug/Kg
			Total Tics :		**920.00**				
			Total Concentration:		**920.00**				

SAMPLE DATA

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-10	SDG No.:	Q2010
Lab Sample ID:	Q2010-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142412.D	1	05/13/25 09:05	05/16/25 00:58	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	350	ug/Kg
108-95-2	Phenol	23.6	U	23.6	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.0	U	26.0	180	ug/Kg
95-57-8	2-Chlorophenol	26.1	U	26.1	180	ug/Kg
95-48-7	2-Methylphenol	32.0	U	32.0	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40.1	U	40.1	180	ug/Kg
98-86-2	Acetophenone	31.6	U	31.6	180	ug/Kg
65794-96-9	3+4-Methylphenols	44.0	U	44.0	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.7	U	50.7	85.6	ug/Kg
67-72-1	Hexachloroethane	18.8	U	18.8	180	ug/Kg
98-95-3	Nitrobenzene	19.6	U	19.6	180	ug/Kg
78-59-1	Isophorone	35.1	U	35.1	180	ug/Kg
88-75-5	2-Nitrophenol	62.3	U	62.3	180	ug/Kg
105-67-9	2,4-Dimethylphenol	69.3	U	69.3	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	32.9	U	32.9	180	ug/Kg
120-83-2	2,4-Dichlorophenol	30.3	U	30.3	180	ug/Kg
91-20-3	Naphthalene	24.3	U	24.3	180	ug/Kg
106-47-8	4-Chloroaniline	37.9	U	37.9	180	ug/Kg
87-68-3	Hexachlorobutadiene	27.1	U	27.1	180	ug/Kg
105-60-2	Caprolactam	55.7	U	55.7	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	30.7	U	30.7	180	ug/Kg
91-57-6	2-Methylnaphthalene	27.4	U	27.4	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.2	U	21.2	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	31.1	U	31.1	180	ug/Kg
92-52-4	1,1-Biphenyl	23.3	U	23.3	180	ug/Kg
91-58-7	2-Chloronaphthalene	24.1	U	24.1	180	ug/Kg
88-74-4	2-Nitroaniline	51.5	U	51.5	180	ug/Kg
131-11-3	Dimethylphthalate	29.0	U	29.0	180	ug/Kg

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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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-10	SDG No.:	Q2010
Lab Sample ID:	Q2010-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142412.D	1	05/13/25 09:05	05/16/25 00:58	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	30.9	U	30.9	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	35.9	U	35.9	180	ug/Kg
99-09-2	3-Nitroaniline	49.2	U	49.2	180	ug/Kg
83-32-9	Acenaphthene	22.8	U	22.8	180	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	350	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	350	ug/Kg
132-64-9	Dibenzofuran	24.3	U	24.3	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	53.6	U	53.6	180	ug/Kg
84-66-2	Diethylphthalate	30.3	U	30.3	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	28.6	U	28.6	180	ug/Kg
86-73-7	Fluorene	27.1	U	27.1	180	ug/Kg
100-01-6	4-Nitroaniline	68.7	U	68.7	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	35.2	U	35.2	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	29.7	U	29.7	180	ug/Kg
118-74-1	Hexachlorobenzene	27.1	U	27.1	180	ug/Kg
1912-24-9	Atrazine	36.4	U	36.4	180	ug/Kg
87-86-5	Pentachlorophenol	54.9	UQ	54.9	350	ug/Kg
85-01-8	Phenanthrene	150	J	22.4	180	ug/Kg
120-12-7	Anthracene	35.6	U	35.6	180	ug/Kg
86-74-8	Carbazole	33.4	U	33.4	180	ug/Kg
84-74-2	Di-n-butylphthalate	51.2	U	51.2	180	ug/Kg
206-44-0	Fluoranthene	510		32.1	180	ug/Kg
129-00-0	Pyrene	380		38.5	180	ug/Kg
85-68-7	Butylbenzylphthalate	76.4	U	76.4	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	39.3	U	39.3	350	ug/Kg
56-55-3	Benzo(a)anthracene	220		24.6	180	ug/Kg
218-01-9	Chrysene	280		21.3	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	180		63.3	180	ug/Kg
117-84-0	Di-n-octyl phthalate	92.8	U	92.8	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	370		20.3	180	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-10	SDG No.:	Q2010
Lab Sample ID:	Q2010-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142412.D	1	05/13/25 09:05	05/16/25 00:58	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	140	J	24.0	180	ug/Kg
50-32-8	Benzo(a)pyrene	250		31.6	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	J	31.1	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29.3	U	29.3	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	J	27.5	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.4	U	27.4	180	ug/Kg
123-91-1	1,4-Dioxane	48.3	U	48.3	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	29.3	U	29.3	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	67.2		18 - 112	45%	SPK: 150
13127-88-3	Phenol-d6	67.8		15 - 107	45%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.3		18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.4		20 - 109	48%	SPK: 100
118-79-6	2,4,6-Tribromophenol	67.4		10 - 116	45%	SPK: 150
1718-51-0	Terphenyl-d14	40.7		10 - 105	41%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	160000	6.904			
1146-65-2	Naphthalene-d8	587000	8.186			
15067-26-2	Acenaphthene-d10	279000	9.939			
1517-22-2	Phenanthrene-d10	408000	11.427			
1719-03-5	Chrysene-d12	296000	14.062			
1520-96-3	Perylene-d12	223000	15.557			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	200	AB		5.12	ug/Kg
000119-61-9	Benzophenone	120	J		10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	220	J		11.9	ug/Kg
000479-79-8	11H-Benzo[a]fluoren-11-one	84.5	J		13.9	ug/Kg
000192-97-2	Benzo[e]pyrene	180	J		15.4	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-10	SDG No.:	Q2010
Lab Sample ID:	Q2010-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142412.D	1	05/13/25 09:05	05/16/25 00:58	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:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-13	SDG No.:	Q2010
Lab Sample ID:	Q2010-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.4
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
BP024637.D	1	05/13/25 09:05	05/15/25 14:38	PB167973

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	26.2	U	26.2	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.8	U	28.8	200	ug/Kg
95-57-8	2-Chlorophenol	28.9	U	28.9	200	ug/Kg
95-48-7	2-Methylphenol	35.4	U	35.4	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	44.4	U	44.4	200	ug/Kg
98-86-2	Acetophenone	34.9	U	34.9	200	ug/Kg
65794-96-9	3+4-Methylphenols	48.7	U	48.7	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	56.1	U	56.1	94.7	ug/Kg
67-72-1	Hexachloroethane	20.8	U	20.8	200	ug/Kg
98-95-3	Nitrobenzene	21.7	U	21.7	200	ug/Kg
78-59-1	Isophorone	38.8	U	38.8	200	ug/Kg
88-75-5	2-Nitrophenol	68.9	U	68.9	200	ug/Kg
105-67-9	2,4-Dimethylphenol	76.7	U	76.7	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	36.5	U	36.5	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.5	U	33.5	200	ug/Kg
91-20-3	Naphthalene	26.9	U	26.9	200	ug/Kg
106-47-8	4-Chloroaniline	41.9	U	41.9	200	ug/Kg
87-68-3	Hexachlorobutadiene	30.0	U	30.0	200	ug/Kg
105-60-2	Caprolactam	61.7	U	61.7	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	34.0	U	34.0	200	ug/Kg
91-57-6	2-Methylnaphthalene	30.3	U	30.3	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.4	U	23.4	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34.5	U	34.5	200	ug/Kg
92-52-4	1,1-Biphenyl	25.8	U	25.8	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.6	U	26.6	200	ug/Kg
88-74-4	2-Nitroaniline	57.0	U	57.0	200	ug/Kg
131-11-3	Dimethylphthalate	32.1	U	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-13	SDG No.:	Q2010
Lab Sample ID:	Q2010-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.4
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
BP024637.D	1	05/13/25 09:05	05/15/25 14:38	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	34.2	U	34.2	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	39.8	U	39.8	200	ug/Kg
99-09-2	3-Nitroaniline	54.5	U	54.5	200	ug/Kg
83-32-9	Acenaphthene	25.2	U	25.2	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	26.9	U	26.9	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.3	U	59.3	200	ug/Kg
84-66-2	Diethylphthalate	33.5	U	33.5	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	31.6	U	31.6	200	ug/Kg
86-73-7	Fluorene	30.0	U	30.0	200	ug/Kg
100-01-6	4-Nitroaniline	76.0	U	76.0	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	39.0	U	39.0	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.9	U	32.9	200	ug/Kg
118-74-1	Hexachlorobenzene	30.0	U	30.0	200	ug/Kg
1912-24-9	Atrazine	40.3	U	40.3	200	ug/Kg
87-86-5	Pentachlorophenol	60.7	UQ	60.7	390	ug/Kg
85-01-8	Phenanthrene	24.7	U	24.7	200	ug/Kg
120-12-7	Anthracene	39.4	U	39.4	200	ug/Kg
86-74-8	Carbazole	36.9	U	36.9	200	ug/Kg
84-74-2	Di-n-butylphthalate	56.7	U	56.7	200	ug/Kg
206-44-0	Fluoranthene	35.5	U	35.5	200	ug/Kg
129-00-0	Pyrene	42.6	U	42.6	200	ug/Kg
85-68-7	Butylbenzylphthalate	84.5	U	84.5	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	43.5	U	43.5	390	ug/Kg
56-55-3	Benzo(a)anthracene	27.2	U	27.2	200	ug/Kg
218-01-9	Chrysene	23.6	U	23.6	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	70.1	U	70.1	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	22.5	U	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-13	SDG No.:	Q2010
Lab Sample ID:	Q2010-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.4
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
BP024637.D	1	05/13/25 09:05	05/15/25 14:38	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	26.5	U	26.5	200	ug/Kg
50-32-8	Benzo(a)pyrene	34.9	U	34.9	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34.5	U	34.5	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32.4	U	32.4	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	30.4	U	30.4	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	30.3	U	30.3	200	ug/Kg
123-91-1	1,4-Dioxane	53.5	U	53.5	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.4	U	32.4	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	106		18 - 112	71%	SPK: 150
13127-88-3	Phenol-d6	116		15 - 107	77%	SPK: 150
4165-60-0	Nitrobenzene-d5	66.1		18 - 107	66%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.4		20 - 109	60%	SPK: 100
118-79-6	2,4,6-Tribromophenol	115		10 - 116	77%	SPK: 150
1718-51-0	Terphenyl-d14	53.3		10 - 105	53%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	81600	7.658			
1146-65-2	Naphthalene-d8	326000	10.428			
15067-26-2	Acenaphthene-d10	209000	14.287			
1517-22-2	Phenanthrene-d10	463000	17.092			
1719-03-5	Chrysene-d12	648000	21.521			
1520-96-3	Perylene-d12	871000	24.815			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	280	AB		4.82	ug/Kg
000057-11-4	Octadecanoic acid	100	J		13.1	ug/Kg
001002-84-2	Pentadecanoic acid	220	J		13.3	ug/Kg
000544-63-8	Tetradecanoic acid	390	J		13.4	ug/Kg
000057-10-3	n-Hexadecanoic acid	2100	J		13.4	ug/Kg
	unknown13.634	180	J		13.6	ug/Kg
000119-61-9	Benzophenone	350	J		15.7	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-13	SDG No.:	Q2010
Lab Sample ID:	Q2010-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.4
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
BP024637.D	1	05/13/25 09:05	05/15/25 14:38	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
032811-40-8	(E)-4-(3-Hydroxyprop-1-en-1-yl)-2-	180	J		16.5	ug/Kg
000638-53-9	Tridecanoic acid	2400	J		18.0	ug/Kg
087345-53-7	3,5-Dimethoxy-4-hydroxycinnamalde	410	J		18.3	ug/Kg
020675-96-1	trans-Sinapyl alcohol	550	J		18.4	ug/Kg
013126-39-1	cis-13-Octadecenoic acid	190	J		19.2	ug/Kg
000106-11-6	Octadecanoic acid, 2-(2-hydroxyeth	900	J		19.4	ug/Kg
013475-77-9	Eicosane, 9-octyl-	83.7	J		20.2	ug/Kg
055373-86-9	Docosane, 7-hexyl-	120	J		21.0	ug/Kg
1000282-98-2	Dichloroacetic acid, heptadecyl es	110	J		21.2	ug/Kg
000629-92-5	Nonadecane	120	J		21.8	ug/Kg
000593-49-7	Heptacosane	110	J		22.7	ug/Kg

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-14	SDG No.:	Q2010
Lab Sample ID:	Q2010-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.7
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
BF142397.D	1	05/13/25 09:05	05/15/25 17:42	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	410	ug/Kg
108-95-2	Phenol	27.3	U	27.3	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	30.1	U	30.1	210	ug/Kg
95-57-8	2-Chlorophenol	30.2	U	30.2	210	ug/Kg
95-48-7	2-Methylphenol	37.0	U	37.0	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	46.4	U	46.4	210	ug/Kg
98-86-2	Acetophenone	36.5	U	36.5	210	ug/Kg
65794-96-9	3+4-Methylphenols	50.8	U	50.8	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	58.6	U	58.6	98.9	ug/Kg
67-72-1	Hexachloroethane	21.8	U	21.8	210	ug/Kg
98-95-3	Nitrobenzene	22.6	U	22.6	210	ug/Kg
78-59-1	Isophorone	40.6	U	40.6	210	ug/Kg
88-75-5	2-Nitrophenol	72.0	U	72.0	210	ug/Kg
105-67-9	2,4-Dimethylphenol	80.1	U	80.1	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	38.1	U	38.1	210	ug/Kg
120-83-2	2,4-Dichlorophenol	35.0	U	35.0	210	ug/Kg
91-20-3	Naphthalene	28.1	U	28.1	210	ug/Kg
106-47-8	4-Chloroaniline	43.8	U	43.8	210	ug/Kg
87-68-3	Hexachlorobutadiene	31.3	U	31.3	210	ug/Kg
105-60-2	Caprolactam	64.4	U	64.4	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	35.5	U	35.5	210	ug/Kg
91-57-6	2-Methylnaphthalene	31.7	U	31.7	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	24.5	U	24.5	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	36.0	U	36.0	210	ug/Kg
92-52-4	1,1-Biphenyl	27.0	U	27.0	210	ug/Kg
91-58-7	2-Chloronaphthalene	27.8	U	27.8	210	ug/Kg
88-74-4	2-Nitroaniline	59.5	U	59.5	210	ug/Kg
131-11-3	Dimethylphthalate	33.5	U	33.5	210	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-14	SDG No.:	Q2010
Lab Sample ID:	Q2010-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.7
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
BF142397.D	1	05/13/25 09:05	05/15/25 17:42	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	35.7	U	35.7	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	41.6	U	41.6	210	ug/Kg
99-09-2	3-Nitroaniline	56.9	U	56.9	210	ug/Kg
83-32-9	Acenaphthene	26.3	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	28.1	U	28.1	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	62.0	U	62.0	210	ug/Kg
84-66-2	Diethylphthalate	35.0	U	35.0	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	33.0	U	33.0	210	ug/Kg
86-73-7	Fluorene	31.3	U	31.3	210	ug/Kg
100-01-6	4-Nitroaniline	79.4	U	79.4	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	40.7	U	40.7	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	34.4	U	34.4	210	ug/Kg
118-74-1	Hexachlorobenzene	31.3	U	31.3	210	ug/Kg
1912-24-9	Atrazine	42.0	U	42.0	210	ug/Kg
87-86-5	Pentachlorophenol	63.4	UQ	63.4	410	ug/Kg
85-01-8	Phenanthrene	25.8	U	25.8	210	ug/Kg
120-12-7	Anthracene	41.2	U	41.2	210	ug/Kg
86-74-8	Carbazole	38.6	U	38.6	210	ug/Kg
84-74-2	Di-n-butylphthalate	59.2	U	59.2	210	ug/Kg
206-44-0	Fluoranthene	37.1	U	37.1	210	ug/Kg
129-00-0	Pyrene	44.5	U	44.5	210	ug/Kg
85-68-7	Butylbenzylphthalate	88.3	U	88.3	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	45.4	U	45.4	410	ug/Kg
56-55-3	Benzo(a)anthracene	28.4	U	28.4	210	ug/Kg
218-01-9	Chrysene	24.6	U	24.6	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	73.2	U	73.2	210	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	23.5	U	23.5	210	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-14	SDG No.:	Q2010
Lab Sample ID:	Q2010-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.7
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
BF142397.D	1	05/13/25 09:05	05/15/25 17:42	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	27.7	U	27.7	210	ug/Kg
50-32-8	Benzo(a)pyrene	36.5	U	36.5	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	36.0	U	36.0	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	33.9	U	33.9	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	31.8	U	31.8	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	31.7	U	31.7	210	ug/Kg
123-91-1	1,4-Dioxane	55.9	U	55.9	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	33.9	U	33.9	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	82.8		18 - 112	55%	SPK: 150
13127-88-3	Phenol-d6	81.9		15 - 107	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	55.5		18 - 107	55%	SPK: 100
321-60-8	2-Fluorobiphenyl	52.3		20 - 109	52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	93.4		10 - 116	62%	SPK: 150
1718-51-0	Terphenyl-d14	52.1		10 - 105	52%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	158000	6.898			
1146-65-2	Naphthalene-d8	599000	8.181			
15067-26-2	Acenaphthene-d10	318000	9.933			
1517-22-2	Phenanthrene-d10	559000	11.422			
1719-03-5	Chrysene-d12	353000	14.063			
1520-96-3	Perylene-d12	355000	15.551			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	290	AB		5.12	ug/Kg
000119-61-9	Benzophenone	210	J		10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	180	J		11.9	ug/Kg
959092-08-1	Pentafluoropropionic acid, pentade	130	J		13.9	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-14	SDG No.:	Q2010
Lab Sample ID:	Q2010-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.7
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
BF142397.D	1	05/13/25 09:05	05/15/25 17:42	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:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-17	SDG No.:	Q2010
Lab Sample ID:	Q2010-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	77.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142398.D	1	05/13/25 09:05	05/15/25 18:11	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	U	200	430	ug/Kg
108-95-2	Phenol	28.5	U	28.5	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	31.4	U	31.4	220	ug/Kg
95-57-8	2-Chlorophenol	31.5	U	31.5	220	ug/Kg
95-48-7	2-Methylphenol	38.6	U	38.6	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	48.4	U	48.4	220	ug/Kg
98-86-2	Acetophenone	38.1	U	38.1	220	ug/Kg
65794-96-9	3+4-Methylphenols	53.0	U	53.0	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	61.2	U	61.2	100	ug/Kg
67-72-1	Hexachloroethane	22.7	U	22.7	220	ug/Kg
98-95-3	Nitrobenzene	23.6	U	23.6	220	ug/Kg
78-59-1	Isophorone	42.3	U	42.3	220	ug/Kg
88-75-5	2-Nitrophenol	75.1	U	75.1	220	ug/Kg
105-67-9	2,4-Dimethylphenol	83.6	U	83.6	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	39.7	U	39.7	220	ug/Kg
120-83-2	2,4-Dichlorophenol	36.5	U	36.5	220	ug/Kg
91-20-3	Naphthalene	29.3	U	29.3	220	ug/Kg
106-47-8	4-Chloroaniline	45.7	U	45.7	220	ug/Kg
87-68-3	Hexachlorobutadiene	32.6	U	32.6	220	ug/Kg
105-60-2	Caprolactam	67.2	U	67.2	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	37.0	U	37.0	220	ug/Kg
91-57-6	2-Methylnaphthalene	33.0	U	33.0	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	150	U	150	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	25.5	U	25.5	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	37.5	U	37.5	220	ug/Kg
92-52-4	1,1-Biphenyl	28.1	U	28.1	220	ug/Kg
91-58-7	2-Chloronaphthalene	29.0	U	29.0	220	ug/Kg
88-74-4	2-Nitroaniline	62.1	U	62.1	220	ug/Kg
131-11-3	Dimethylphthalate	35.0	U	35.0	220	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-17	SDG No.:	Q2010
Lab Sample ID:	Q2010-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	77.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142398.D	1	05/13/25 09:05	05/15/25 18:11	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	37.3	U	37.3	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	43.4	U	43.4	220	ug/Kg
99-09-2	3-Nitroaniline	59.4	U	59.4	220	ug/Kg
83-32-9	Acenaphthene	27.5	U	27.5	220	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	300	430	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	430	ug/Kg
132-64-9	Dibenzofuran	29.3	U	29.3	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	64.6	U	64.6	220	ug/Kg
84-66-2	Diethylphthalate	36.5	U	36.5	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	34.5	U	34.5	220	ug/Kg
86-73-7	Fluorene	32.6	U	32.6	220	ug/Kg
100-01-6	4-Nitroaniline	82.8	U	82.8	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	42.4	U	42.4	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	35.9	U	35.9	220	ug/Kg
118-74-1	Hexachlorobenzene	32.6	U	32.6	220	ug/Kg
1912-24-9	Atrazine	43.9	U	43.9	220	ug/Kg
87-86-5	Pentachlorophenol	66.2	UQ	66.2	430	ug/Kg
85-01-8	Phenanthrene	27.0	U	27.0	220	ug/Kg
120-12-7	Anthracene	43.0	U	43.0	220	ug/Kg
86-74-8	Carbazole	40.3	U	40.3	220	ug/Kg
84-74-2	Di-n-butylphthalate	61.8	U	61.8	220	ug/Kg
206-44-0	Fluoranthene	38.7	U	38.7	220	ug/Kg
129-00-0	Pyrene	46.4	U	46.4	220	ug/Kg
85-68-7	Butylbenzylphthalate	92.1	U	92.1	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	47.4	U	47.4	430	ug/Kg
56-55-3	Benzo(a)anthracene	29.7	U	29.7	220	ug/Kg
218-01-9	Chrysene	25.7	U	25.7	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	76.4	U	76.4	220	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	24.5	U	24.5	220	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-17	SDG No.:	Q2010
Lab Sample ID:	Q2010-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	77.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142398.D	1	05/13/25 09:05	05/15/25 18:11	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	28.9	U	28.9	220	ug/Kg
50-32-8	Benzo(a)pyrene	38.1	U	38.1	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	37.5	U	37.5	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	35.4	U	35.4	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	33.2	U	33.2	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	33.0	U	33.0	220	ug/Kg
123-91-1	1,4-Dioxane	58.3	U	58.3	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	35.4	U	35.4	220	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	68.7		18 - 112	46%	SPK: 150
13127-88-3	Phenol-d6	69.6		15 - 107	46%	SPK: 150
4165-60-0	Nitrobenzene-d5	41.8		18 - 107	42%	SPK: 100
321-60-8	2-Fluorobiphenyl	38.5		20 - 109	38%	SPK: 100
118-79-6	2,4,6-Tribromophenol	74.6		10 - 116	50%	SPK: 150
1718-51-0	Terphenyl-d14	43.2		10 - 105	43%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	157000	6.898			
1146-65-2	Naphthalene-d8	594000	8.181			
15067-26-2	Acenaphthene-d10	320000	9.934			
1517-22-2	Phenanthrene-d10	556000	11.422			
1719-03-5	Chrysene-d12	352000	14.063			
1520-96-3	Perylene-d12	349000	15.551			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	330	AB		5.11	ug/Kg
000119-61-9	Benzophenone	190	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	150	J		11.9	ug/Kg
1010351-87-0	Heptadecyl trifluoroacetate	150	J		13.9	ug/Kg
	unknown17.756	100	J		17.8	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-17	SDG No.:	Q2010
Lab Sample ID:	Q2010-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	77.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142398.D	1	05/13/25 09:05	05/15/25 18:11	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

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Surrogate Summary

SW-846

SDG No.: Q2010

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
Q2010-01	TP-10	2-Fluorophenol	150	67.2	45		18	112
		Phenol-d6	150	67.8	45		15	107
		Nitrobenzene-d5	100	47.3	47		18	107
		2-Fluorobiphenyl	100	48.4	48		20	109
		2,4,6-Tribromophenol	150	67.4	45		10	116
		Terphenyl-d14	100	40.7	41		10	105
Q2010-02	TP-13	2-Fluorophenol	150	106	71		18	112
		Phenol-d6	150	116	77		15	107
		Nitrobenzene-d5	100	66.1	66		18	107
		2-Fluorobiphenyl	100	60.4	60		20	109
		2,4,6-Tribromophenol	150	115	77		10	116
		Terphenyl-d14	100	53.3	53		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
Q2010-03	TP-14	2-Fluorophenol	150	82.8	55		18	112
		Phenol-d6	150	81.9	55		15	107
		Nitrobenzene-d5	100	55.5	55		18	107
		2-Fluorobiphenyl	100	52.3	52		20	109
		2,4,6-Tribromophenol	150	93.4	62		10	116
		Terphenyl-d14	100	52.1	52		10	105
Q2010-04	TP-17	2-Fluorophenol	150	68.7	46		18	112
		Phenol-d6	150	69.6	46		15	107
		Nitrobenzene-d5	100	41.8	42		18	107
		2-Fluorobiphenyl	100	38.5	38		20	109
		2,4,6-Tribromophenol	150	74.6	50		10	116
		Terphenyl-d14	100	43.2	43		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2010

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.: Q2010

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.: Q2010

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.: Q2010

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.: Q2010

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.: Q2010

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.

PB167973BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

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-13	Q2010-02	BP024637.D	05/15/2025
TP-13MS	Q2010-02MS	BP024638.D	05/15/2025
TP-13MSD	Q2010-02MSD	BP024639.D	05/15/2025
TP-10	Q2010-01	BF142412.D	05/16/2025
TP-14	Q2010-03	BF142397.D	05/15/2025
TP-17	Q2010-04	BF142398.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.: Q2010 SDG NO.: Q2010

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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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2010 SDG NO.: Q2010

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
TP-14	Q2010-03	BF142397.D	05/15/2025	17:42
TP-17	Q2010-04	BF142398.D	05/15/2025	18:11
TP-10	Q2010-01	BF142412.D	05/16/2025	00:58

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2010 SDG NO.: Q2010

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.: Q2010 SDG NO.: Q2010

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	36.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	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-13	Q2010-02	BP024637.D	05/15/2025	14:38
TP-13MS	Q2010-02MS	BP024638.D	05/15/2025	15:18
TP-13MSD	Q2010-02MSD	BP024639.D	05/15/2025	15:59

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

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	TP-14	157964	6.90	599494	8.18	318296	9.93
02	TP-17	157195	6.90	594153	8.18	319877	9.93
03	TP-10	160126	6.90	587497	8.19	279138	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.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

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	TP-14	558784	11.42	352816	14.06	355002	15.55
02	TP-17	556086	11.42	351534	14.06	349296	15.55
03	TP-10	408075	11.43	295575	14.06	223147	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.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

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-13	81567	7.66	326104	10.43	209284	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.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

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-13	462605	17.09	648338	21.52	871428	24.82
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

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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.:	Q2010
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.:	Q2010
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.:	Q2010
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.:	Q2010
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:	PB167973BS	SDG No.:	Q2010
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.:	Q2010
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.:	Q2010
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:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-13MS	SDG No.:	Q2010
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.:	Q2010
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.:	Q2010
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:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-13MSD	SDG No.:	Q2010
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

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:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-13MSD	SDG No.:	Q2010
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

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:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-13MSD	SDG No.:	Q2010
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

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG No.: Q2010

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	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG No.: Q2010

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.: Q2010 SAS No.: Q2010 SDG No.: Q2010

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	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG No.: Q2010

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\BF051525\
Data File : BF142412.D
Acq On : 16 May 2025 00:58
Operator : RC/JU
Sample : Q2010-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-10

Quant Time: May 16 03:03:27 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

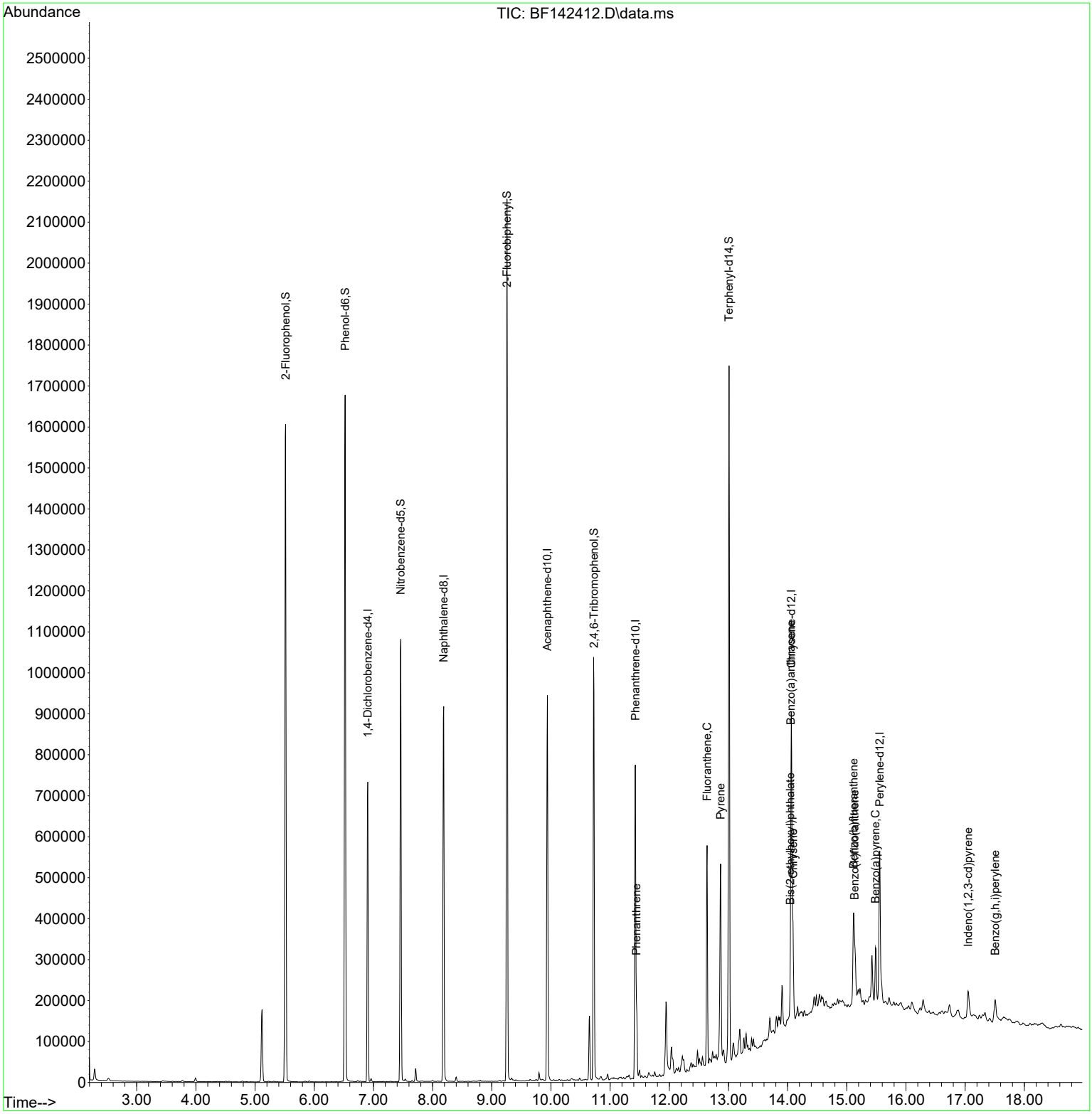
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.904	152	160126	20.000	ng		0.00
21) Naphthalene-d8	8.186	136	587497	20.000	ng		0.00
39) Acenaphthene-d10	9.939	164	279138	20.000	ng		0.00
64) Phenanthrene-d10	11.427	188	408075	20.000	ng		0.00
76) Chrysene-d12	14.062	240	295575	20.000	ng		0.00
86) Perylene-d12	15.557	264	223147	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	630267	67.192	ng		0.00
7) Phenol-d6	6.522	99	782458	67.823	ng		0.00
23) Nitrobenzene-d5	7.463	82	455565	47.291	ng		0.00
42) 2,4,6-Tribromophenol	10.727	330	181727	67.431	ng		0.00
45) 2-Fluorobiphenyl	9.257	172	946847	48.366	ng		0.00
79) Terphenyl-d14	13.010	244	813716	40.747	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	11.445	178	89039	4.163	ng		97
75) Fluoranthene	12.639	202	308467	14.426	ng		98
78) Pyrene	12.868	202	281147	10.686	ng		99
81) Benzo(a)anthracene	14.057	228	115968	6.058	ng		95
83) Chrysene	14.092	228	138136	7.752	ng		98
84) Bis(2-ethylhexyl)phtha...	14.045	149	10202	5.167	ng	#	98
87) Indeno(1,2,3-cd)pyrene	17.051	276	54989	3.542	ng	#	92
88) Benzo(b)fluoranthene	15.115	252	142116m	10.515	ng		
89) Benzo(k)fluoranthene	15.133	252	47700m	3.857	ng		
90) Benzo(a)pyrene	15.486	252	86100	7.109	ng		97
92) Benzo(g,h,i)perylene	17.509	276	52607	4.133	ng		97

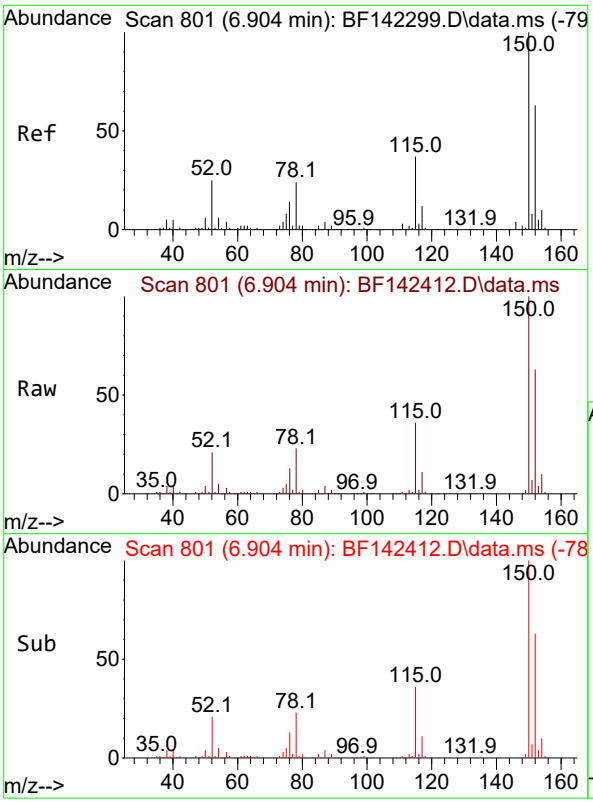
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142412.D
Acq On : 16 May 2025 00:58
Operator : RC/JU
Sample : Q2010-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-10

Quant Time: May 16 03:03:27 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



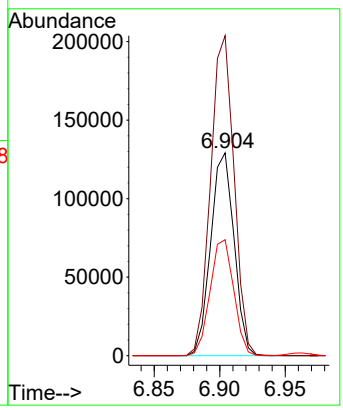


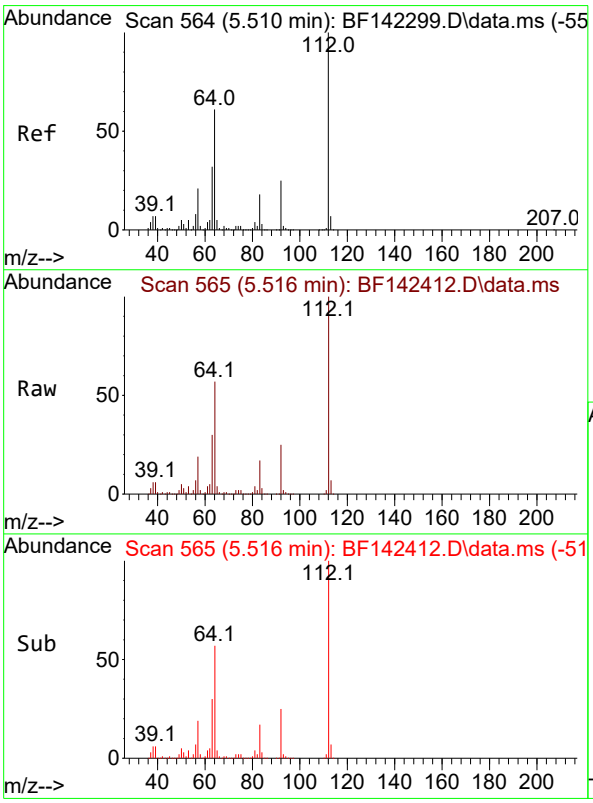
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Instrument :
BNA_F
ClientSampleId :
TP-10

Tgt Ion:152 Resp: 160126

Ion	Ratio	Lower	Upper
152	100		
150	157.7	126.6	190.0
115	57.2	47.3	70.9

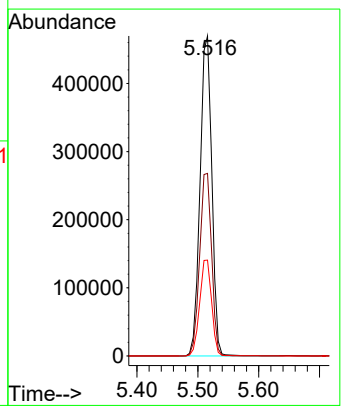


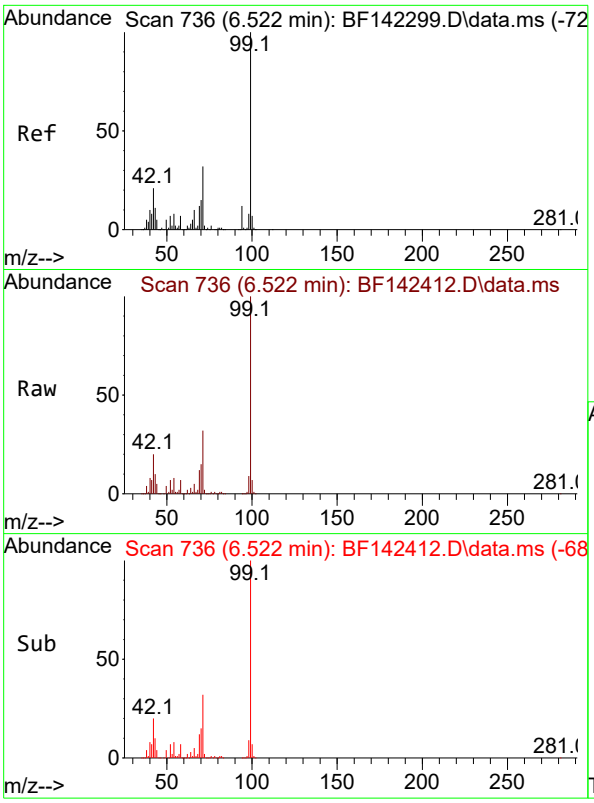


#5
2-Fluorophenol
Concen: 67.192 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Tgt Ion:112 Resp: 630267

Ion	Ratio	Lower	Upper
112	100		
64	57.1	48.9	73.3
63	29.9	25.6	38.4



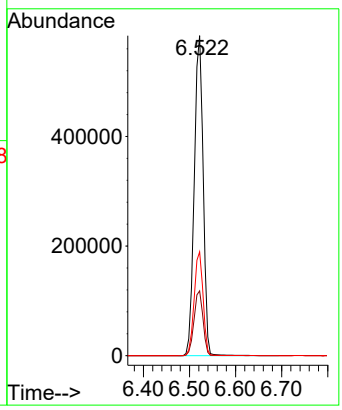


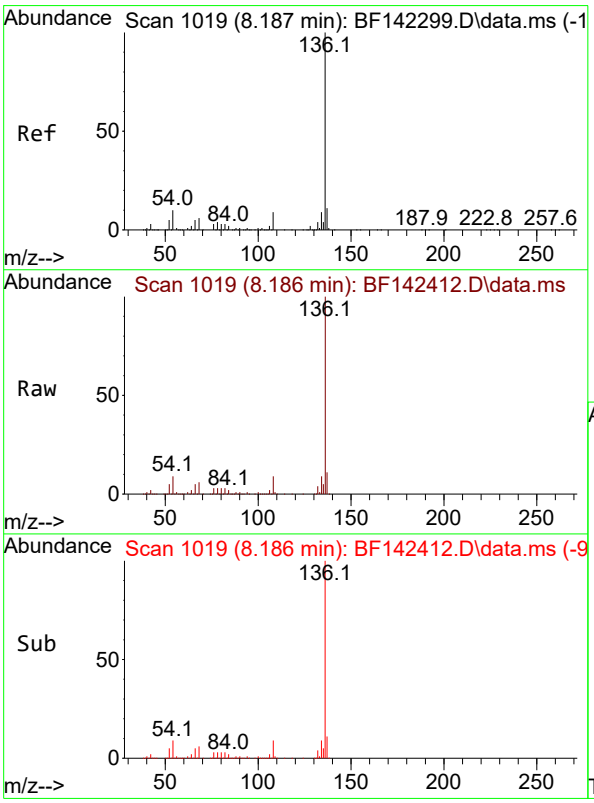
#7
Phenol-d6
Concen: 67.823 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Instrument :
BNA_F
ClientSampleId :
TP-10

Tgt Ion: 99 Resp: 782458

Ion	Ratio	Lower	Upper
99	100		
42	20.2	17.0	25.4
71	32.4	25.8	38.8

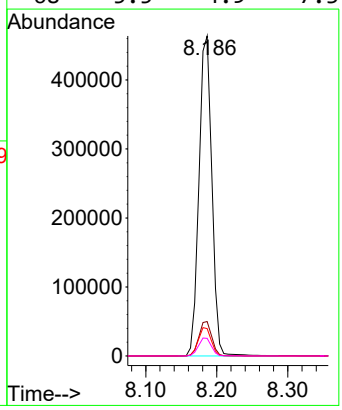


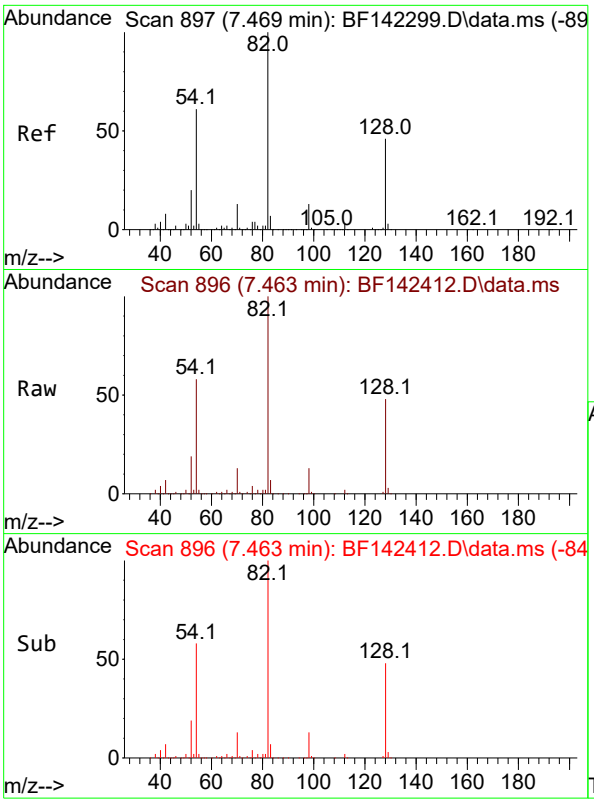


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Tgt Ion:136 Resp: 587497

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.6	7.7	11.5
68	5.5	4.9	7.3



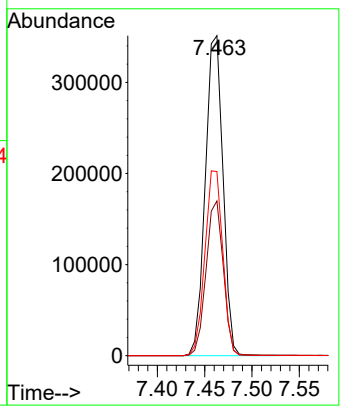


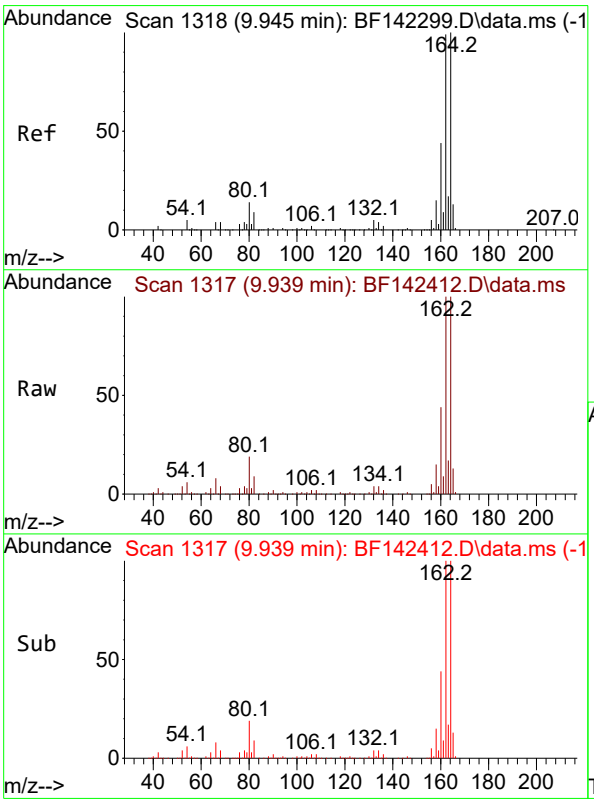
#23
Nitrobenzene-d5
Concen: 47.291 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Instrument :
BNA_F
ClientSampleId :
TP-10

Tgt Ion: 82 Resp: 455565

Ion	Ratio	Lower	Upper
82	100		
128	48.3	37.0	55.6
54	57.5	48.6	73.0

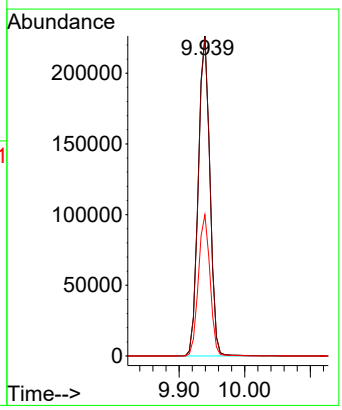


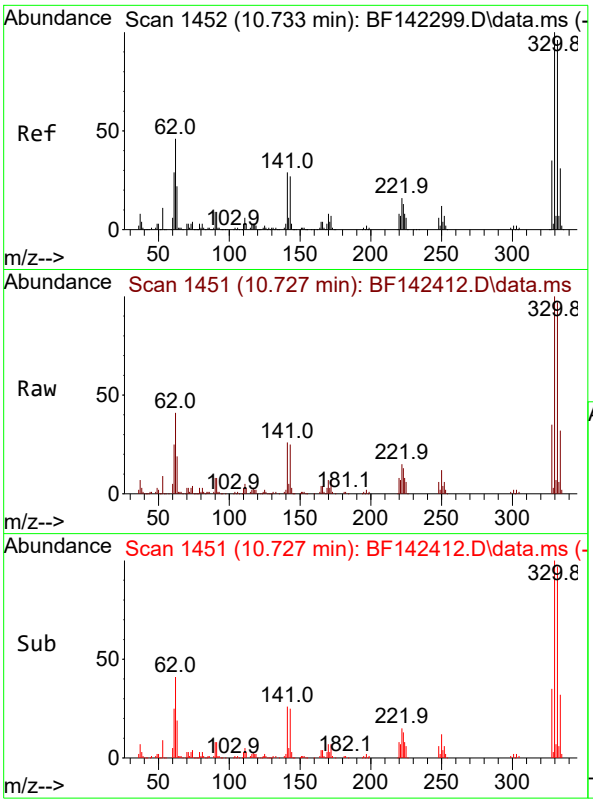


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Tgt Ion:164 Resp: 279138

Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.2	118.8
160	44.2	35.3	52.9



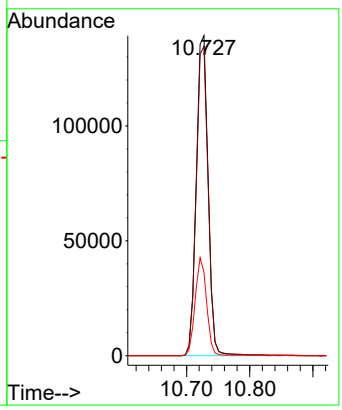


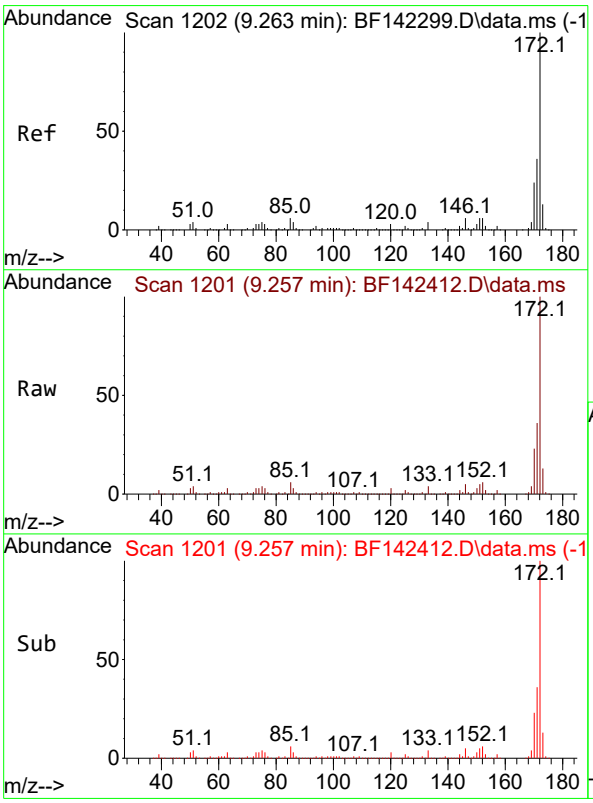
#42
2,4,6-Tribromophenol
Concen: 67.431 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Instrument :
BNA_F
ClientSampleId :
TP-10

Tgt Ion:330 Resp: 181727

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.8	115.2
141	29.7	24.9	37.3

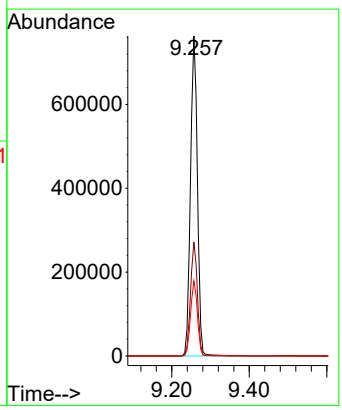


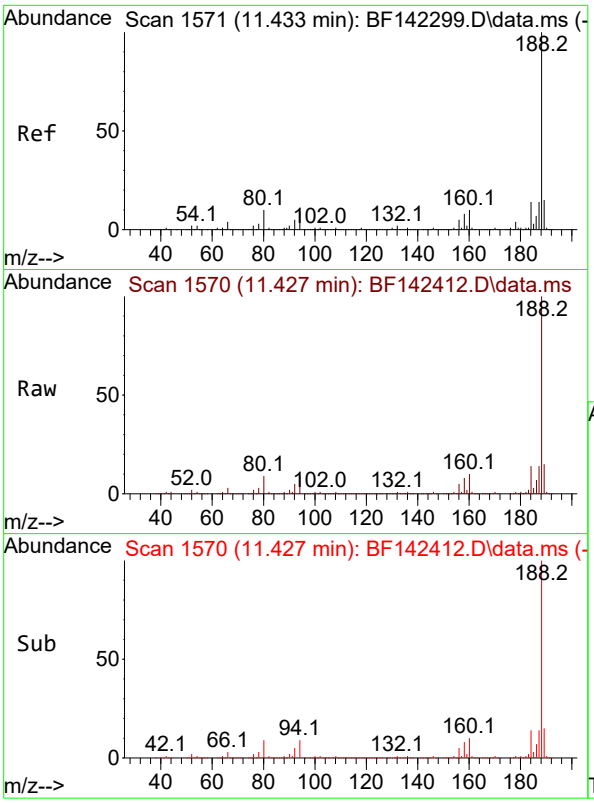


#45
2-Fluorobiphenyl
Concen: 48.366 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Tgt Ion:172 Resp: 946847

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	42.8
170	23.4	19.0	28.4



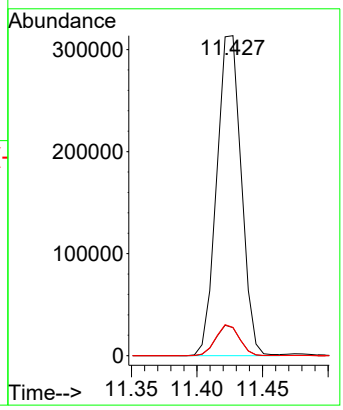


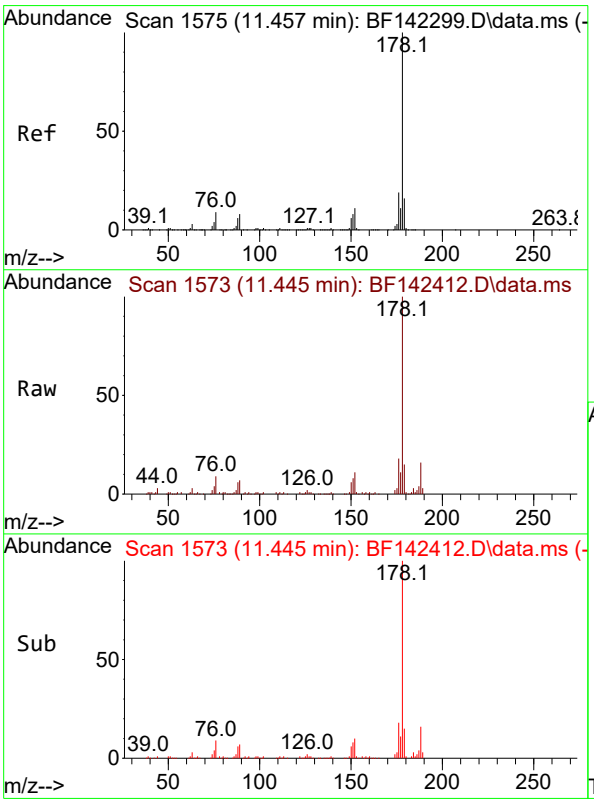
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Instrument :
BNA_F
ClientSampleId :
TP-10

Tgt Ion:188 Resp: 408075

Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.5	11.3
80	8.9	7.9	11.9

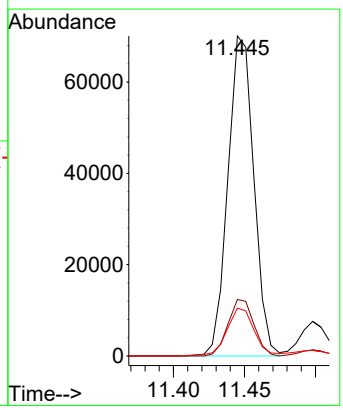


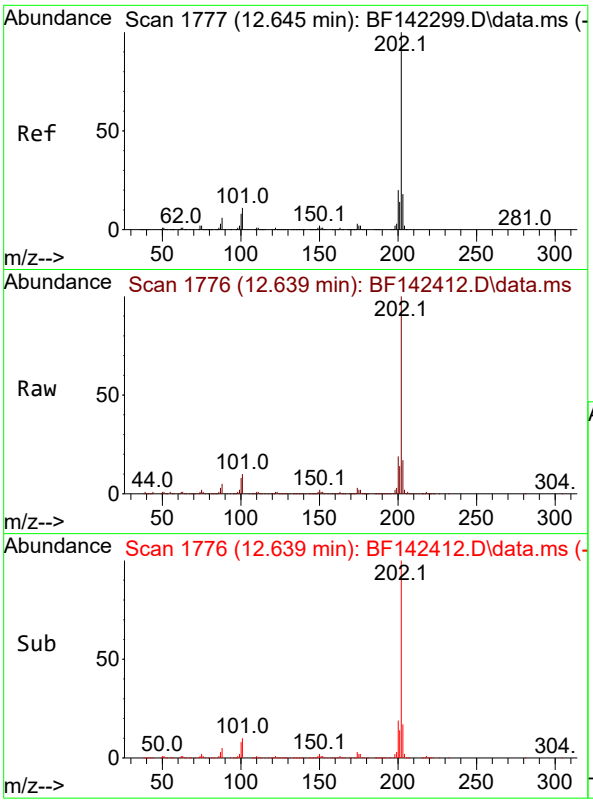


#71
Phenanthrene
Concen: 4.163 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Tgt Ion:178 Resp: 89039

Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.5	23.3
179	14.9	12.6	18.8



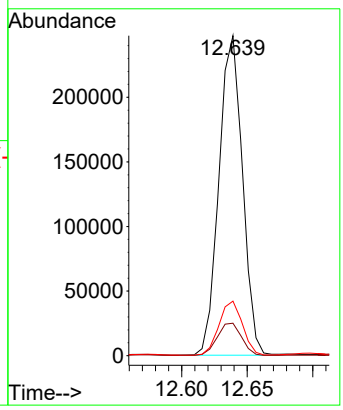


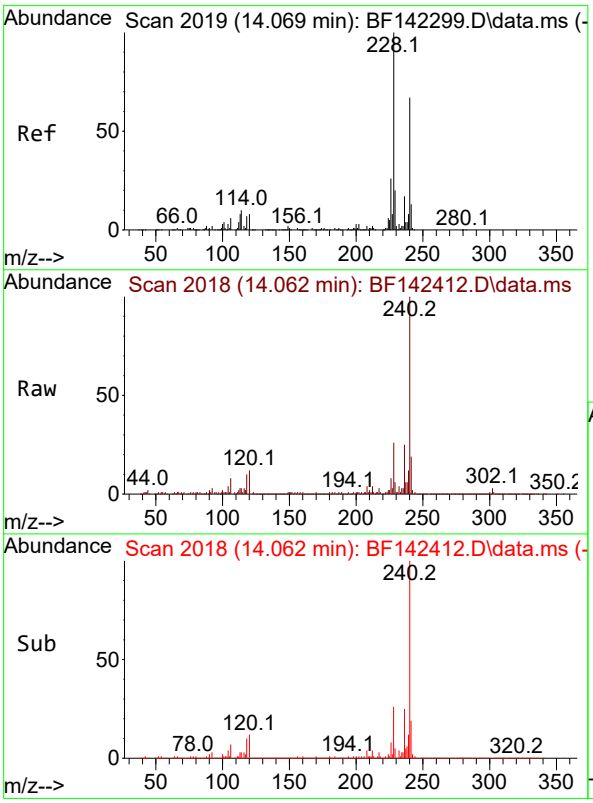
#75
Fluoranthene
Concen: 14.426 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Instrument :
BNA_F
ClientSampleId :
TP-10

Tgt Ion:202 Resp: 308467

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	31.4
203	17.1	0.0	37.9

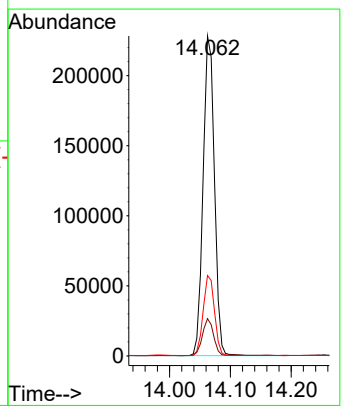


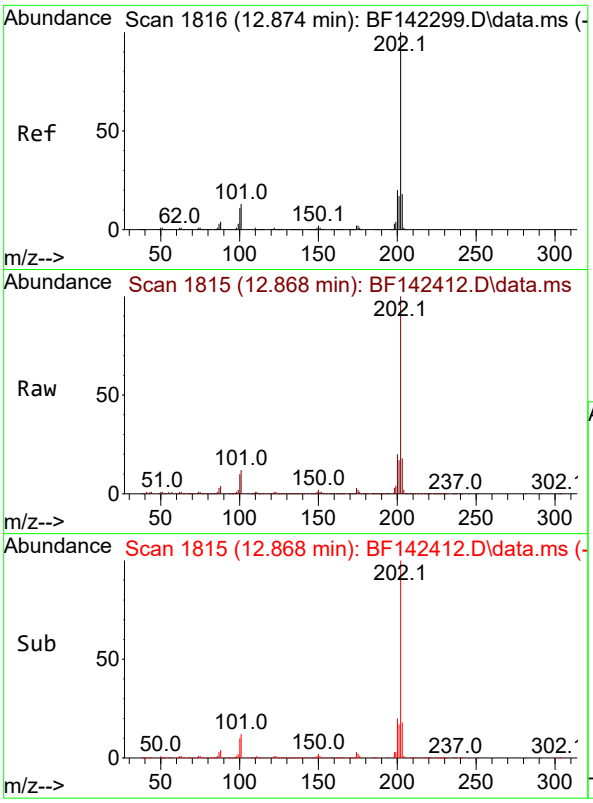


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Tgt Ion:240 Resp: 295575

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.7	14.5
236	25.1	20.0	30.0



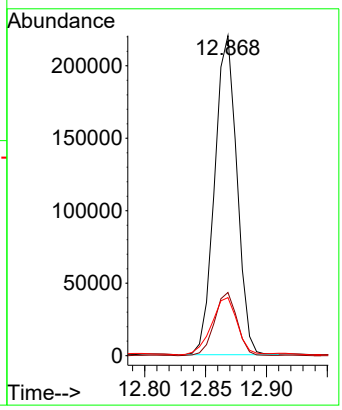


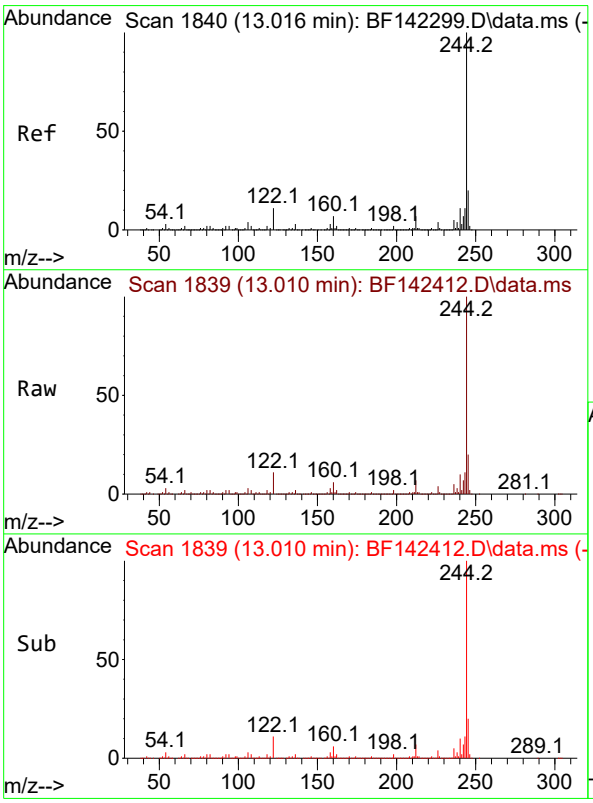
#78
Pyrene
Concen: 10.686 ng
RT: 12.868 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Instrument :
BNA_F
ClientSampleId :
TP-10

Tgt Ion:202 Resp: 281147

Ion	Ratio	Lower	Upper
202	100		
200	19.7	16.2	24.4
203	18.2	14.3	21.5

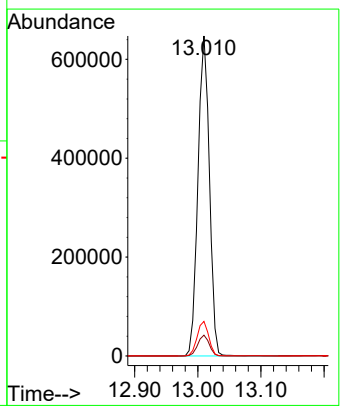


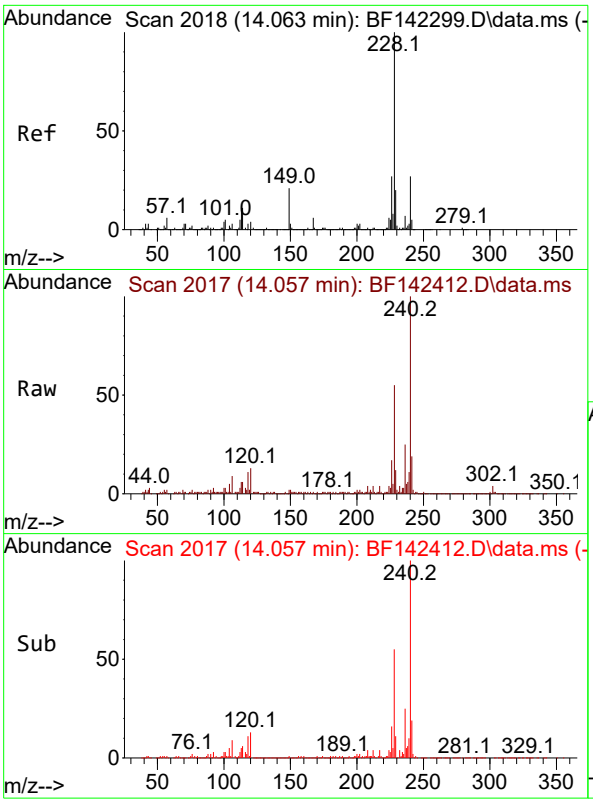


#79
Terphenyl-d14
Concen: 40.747 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Tgt Ion:244 Resp: 813716

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.2
122	10.8	9.0	13.4



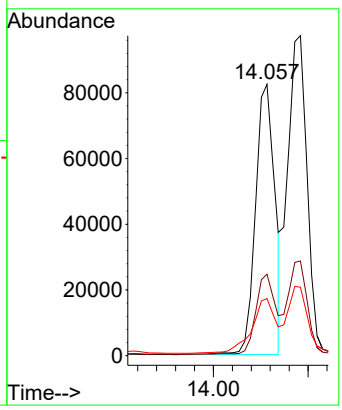


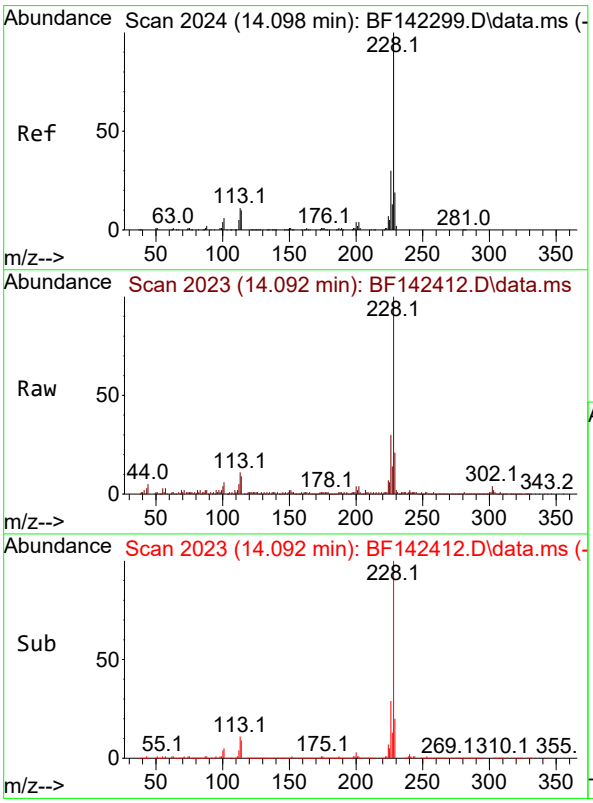
#81
Benzo(a)anthracene
Concen: 6.058 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Instrument :
BNA_F
ClientSampleId :
TP-10

Tgt Ion:228 Resp: 115968

Ion	Ratio	Lower	Upper
228	100		
226	30.0	21.5	32.3
229	21.0	15.9	23.9

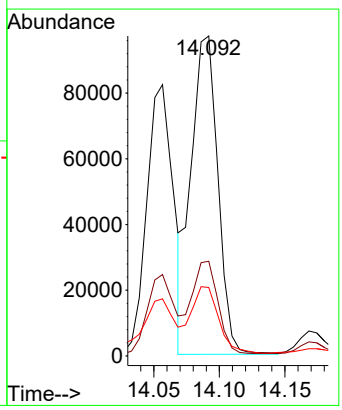


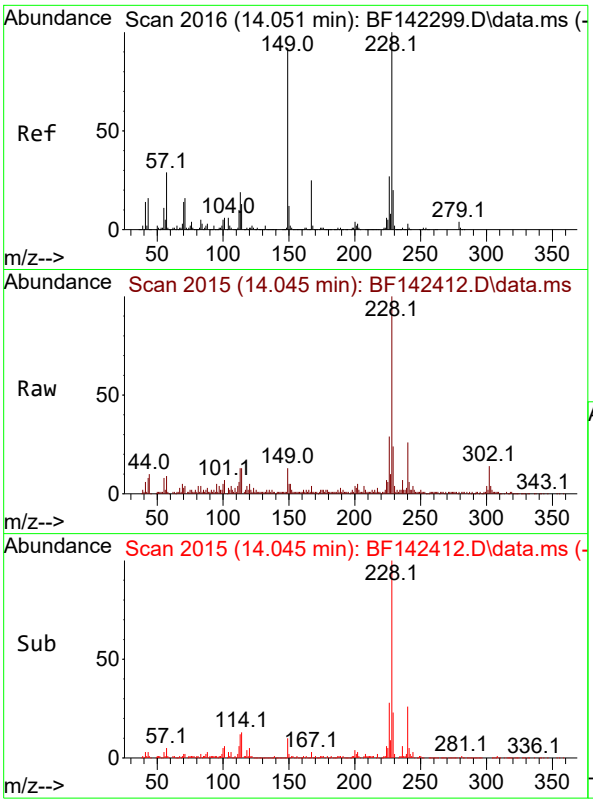


#83
Chrysene
Concen: 7.752 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Tgt Ion:228 Resp: 138136

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.9	35.9
229	21.4	15.4	23.2



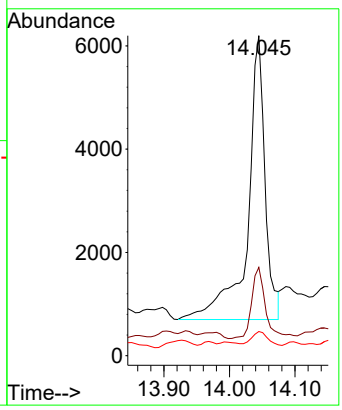


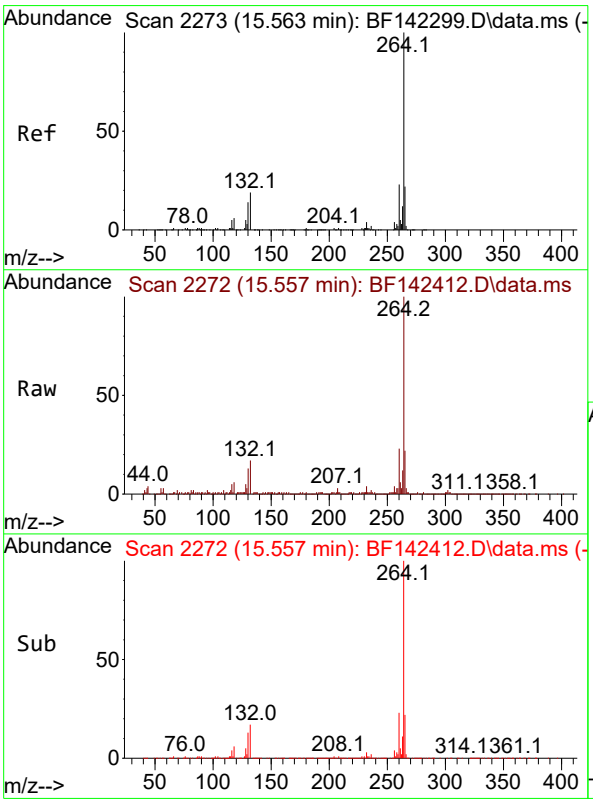
#84
Bis(2-ethylhexyl)phthalate
Concen: 5.167 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Instrument :
BNA_F
ClientSampleId :
TP-10

Tgt Ion:149 Resp: 10202

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.0	33.0
279	7.5	3.0	4.6#

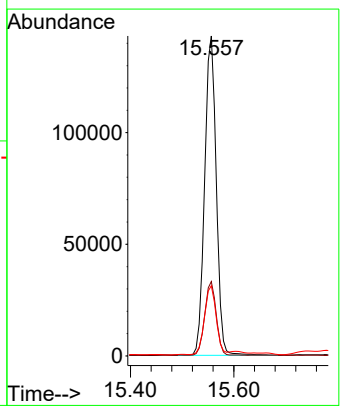


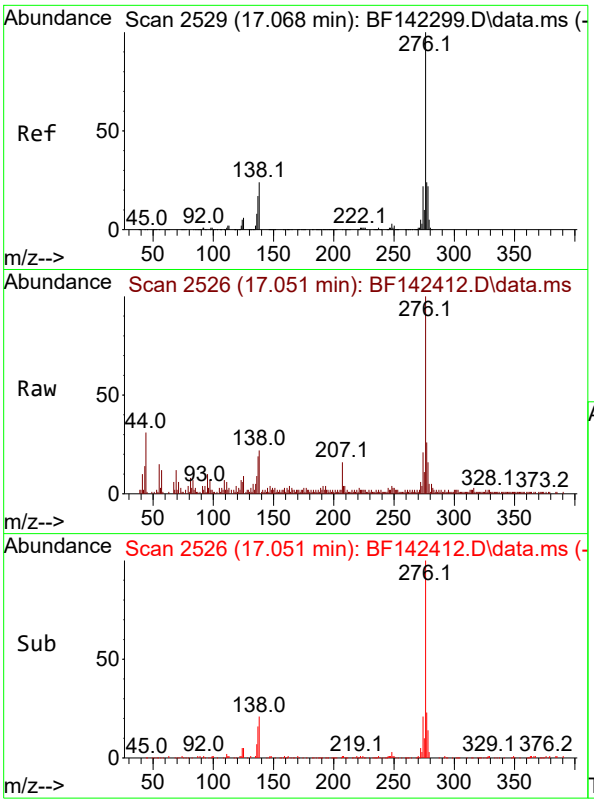


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Tgt Ion:264 Resp: 223147

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	27.8
265	21.9	17.5	26.3



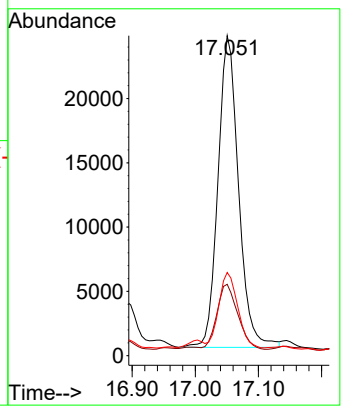


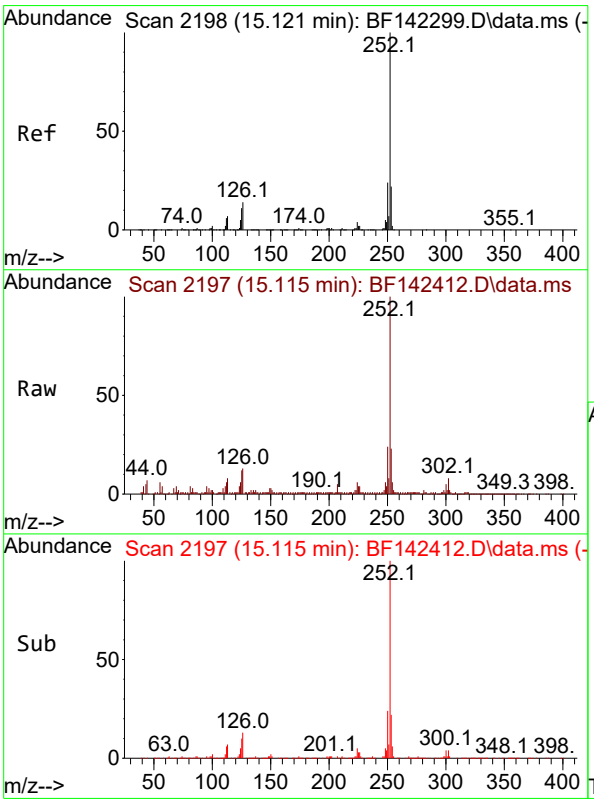
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.542 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Instrument :
BNA_F
ClientSampleId :
TP-10

Tgt Ion:276 Resp: 54989

Ion	Ratio	Lower	Upper
276	100		
138	21.1	22.0	33.0#
277	23.5	20.1	30.1

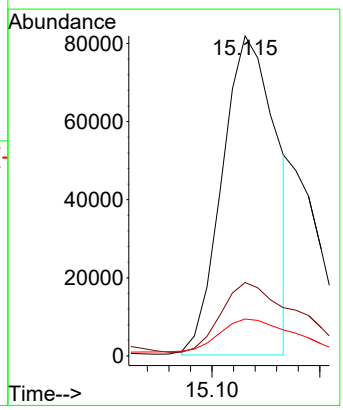


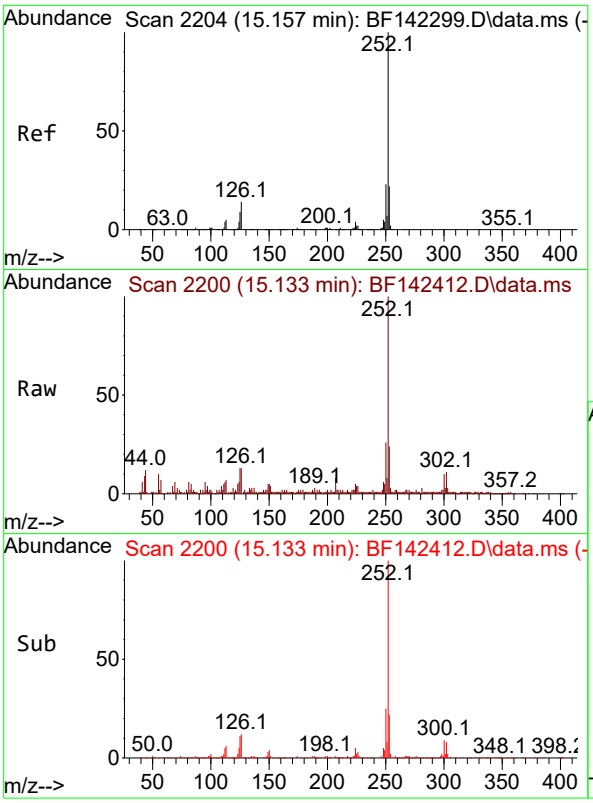


#88
Benzo(b)fluoranthene
Concen: 10.515 ng m
RT: 15.115 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Tgt Ion:252 Resp: 142116

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.7	26.5
125	11.6	8.7	13.1



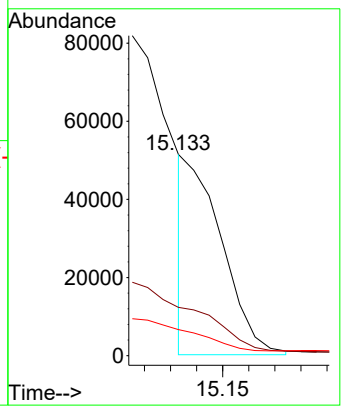


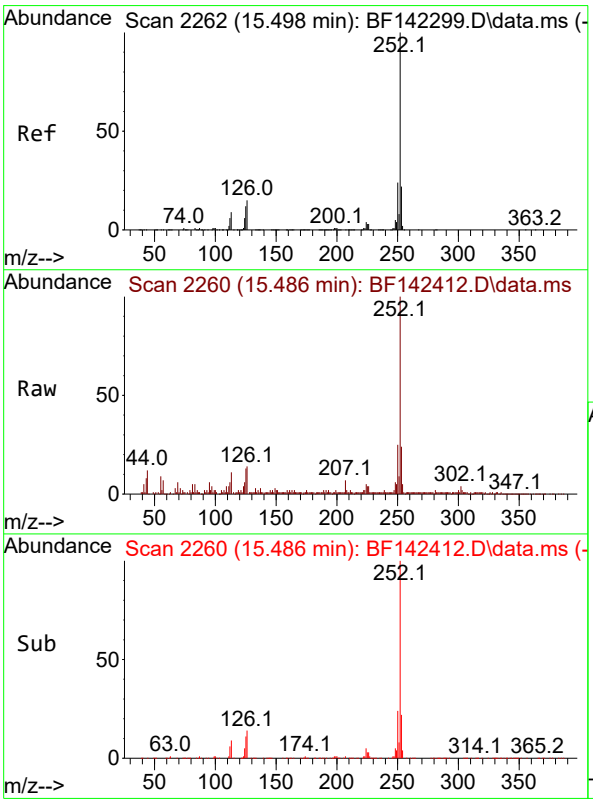
#89
Benzo(k)fluoranthene
Concen: 3.857 ng m
RT: 15.133 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Instrument :
BNA_F
ClientSampleId :
TP-10

Tgt Ion:252 Resp: 47700

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.6	26.4
125	13.0	8.1	12.1#

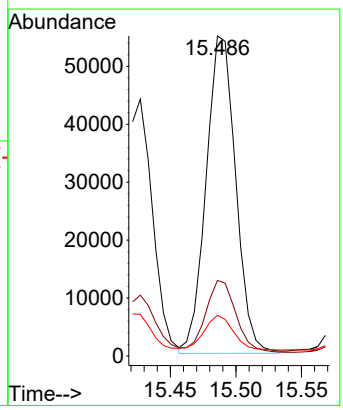


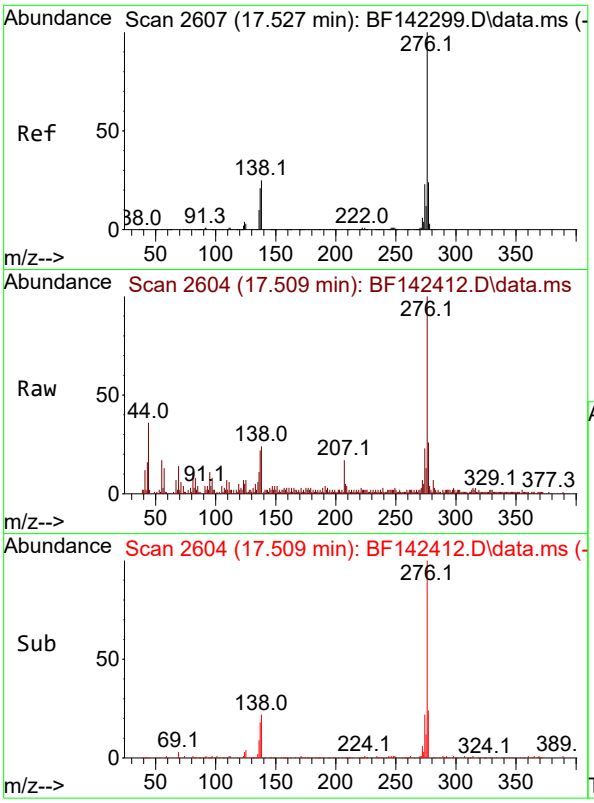


#90
Benzo(a)pyrene
Concen: 7.109 ng
RT: 15.486 min Scan# 2260
Delta R.T. -0.012 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Tgt Ion:252 Resp: 86100

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	12.7	9.4	14.0



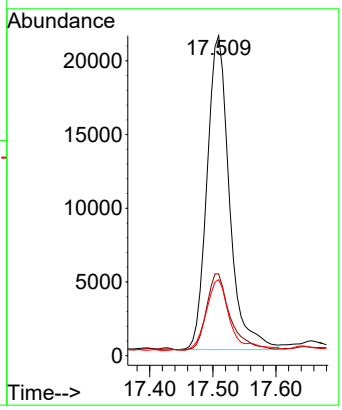


#92
Benzo(g,h,i)perylene
Concen: 4.133 ng
RT: 17.509 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Instrument :
BNA_F
ClientSampleId :
TP-10

Tgt Ion:276 Resp: 52607

Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.0	28.6
138	23.8	19.8	29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142412.D
Acq On : 16 May 2025 00:58
Operator : RC/JU
Sample : Q2010-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-10

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: BF142412.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.287	10	16	27	rVB2	26773	46181	1.75%	0.207%
2	5.116	488	497	509	rBV	176409	260540	9.89%	1.169%
3	5.516	558	565	570	rBV	1605584	2173668	82.52%	9.750%
4	6.522	729	736	741	rBV	1675469	2250507	85.44%	10.094%
5	6.904	795	801	806	rBV	731821	917143	34.82%	4.114%
6	7.463	890	896	901	rBV	1080262	1402137	53.23%	6.289%
7	7.716	933	939	949	rBV	31131	41776	1.59%	0.187%
8	8.186	1013	1019	1033	rBV	915320	1168925	44.38%	5.243%
9	9.257	1196	1201	1206	rBV	2152627	2634048	100.00%	11.814%
10	9.798	1289	1293	1300	rBV	19755	27689	1.05%	0.124%
11	9.939	1311	1317	1322	rBV	939090	1161466	44.09%	5.209%
12	10.651	1433	1438	1445	rVB	155989	196550	7.46%	0.882%
13	10.722	1445	1450	1463	rBV	1031656	1329036	50.46%	5.961%
14	11.427	1564	1570	1578	rBV2	766222	1205821	45.78%	5.408%
15	11.945	1650	1658	1669	rBV2	180388	363560	13.80%	1.631%
16	12.039	1669	1674	1677	rBV2	53825	87759	3.33%	0.394%
17	12.221	1698	1705	1707	rBV2	38011	73446	2.79%	0.329%
18	12.368	1724	1730	1733	rBV2	20599	40395	1.53%	0.181%
19	12.474	1744	1748	1751	rBV	38492	48019	1.82%	0.215%
20	12.639	1771	1776	1780	rBV	536138	670511	25.46%	3.007%
21	12.733	1788	1792	1795	rBV2	25381	35317	1.34%	0.158%
22	12.868	1808	1815	1820	rBV	469836	674558	25.61%	3.026%
23	13.010	1831	1839	1846	rBV	1700207	2209088	83.87%	9.908%
24	13.080	1847	1851	1859	rVV4	39228	80157	3.04%	0.360%
25	13.192	1864	1870	1874	rVB	59985	100054	3.80%	0.449%
26	13.263	1878	1882	1885	rBV	33457	45101	1.71%	0.202%
27	13.298	1885	1888	1891	rBV2	35558	42886	1.63%	0.192%
28	13.392	1901	1904	1906	rBV	28758	32273	1.23%	0.145%
29	13.698	1953	1956	1961	rBV	40351	57976	2.20%	0.260%
30	13.904	1988	1991	2001	rVB	99956	144790	5.50%	0.649%
31	14.062	2012	2018	2022	rBV	739026	1220355	46.33%	5.474%
32	15.115	2192	2197	2206	rBV	216467	523400	19.87%	2.348%
33	15.427	2246	2250	2255	rVB	108575	164298	6.24%	0.737%
34	15.486	2256	2260	2266	rVV	130867	202409	7.68%	0.908%
35	15.557	2267	2272	2284	rVB	371208	663321	25.18%	2.975%

Sample Results: **BF142412.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142412.D
Acq On : 16 May 2025 00:58
Operator : RC/JU
Sample : Q2010-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-10

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

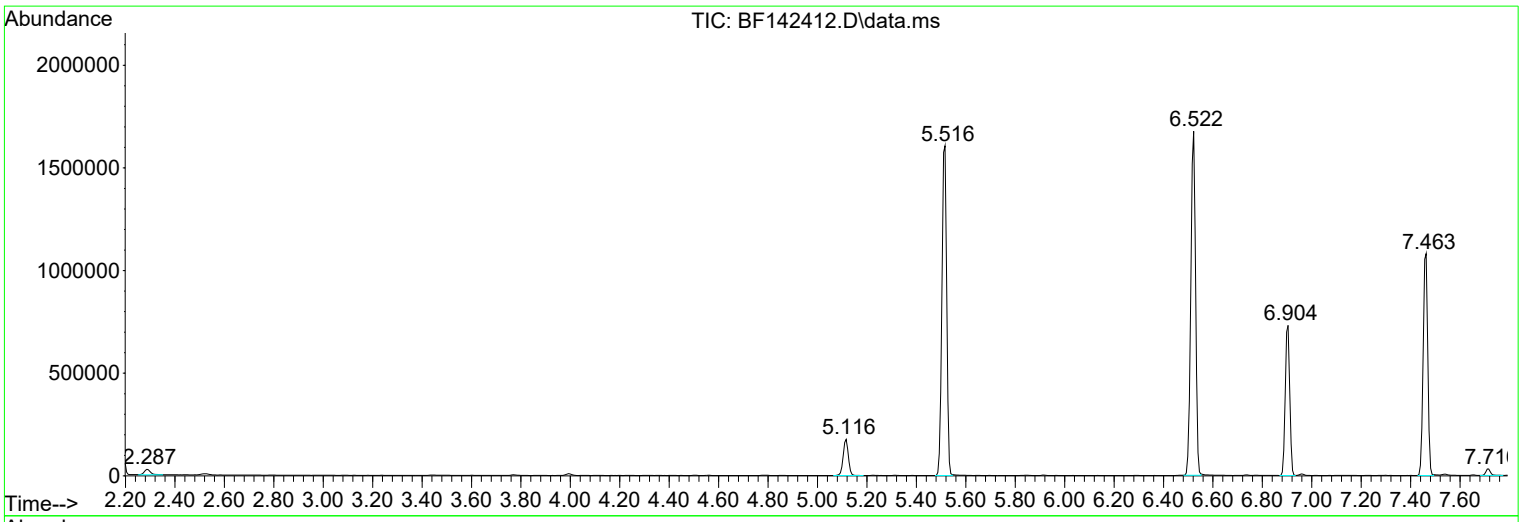
Sum of corrected areas: 22295160

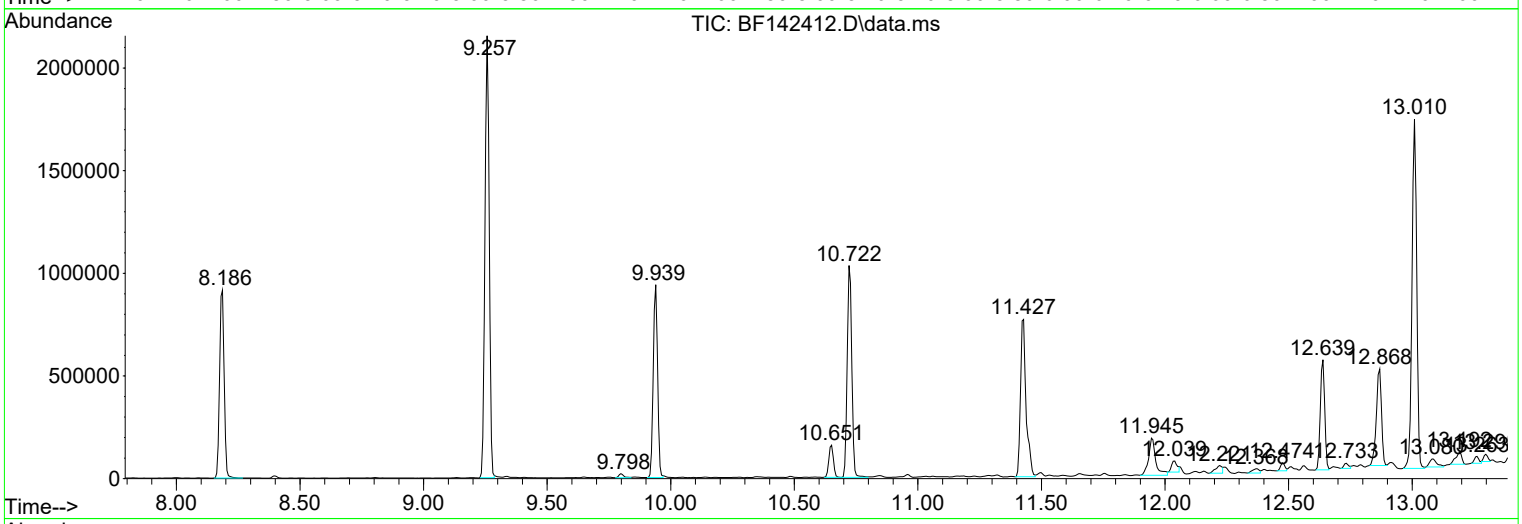
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142412.D
Acq On : 16 May 2025 00:58
Operator : RC/JU
Sample : Q2010-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

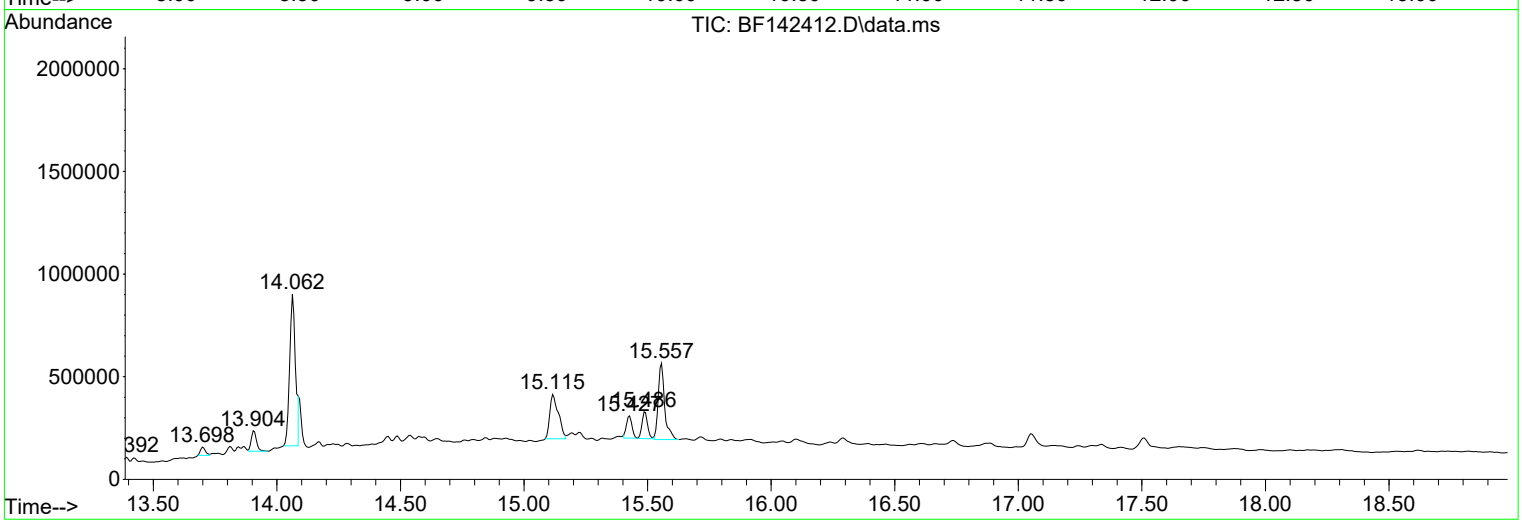
Instrument :
BNA_F
ClientSampleId :
TP-10

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 : BF142412.D
Acq On : 16 May 2025 00:58
Operator : RC/JU
Sample : Q2010-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-10

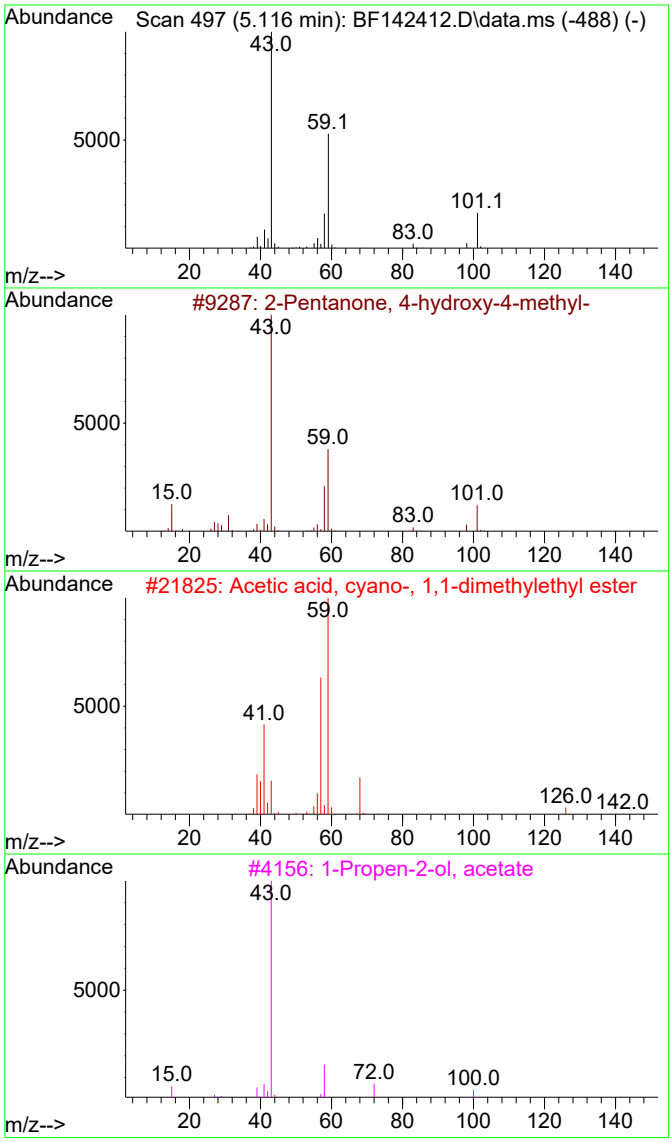
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

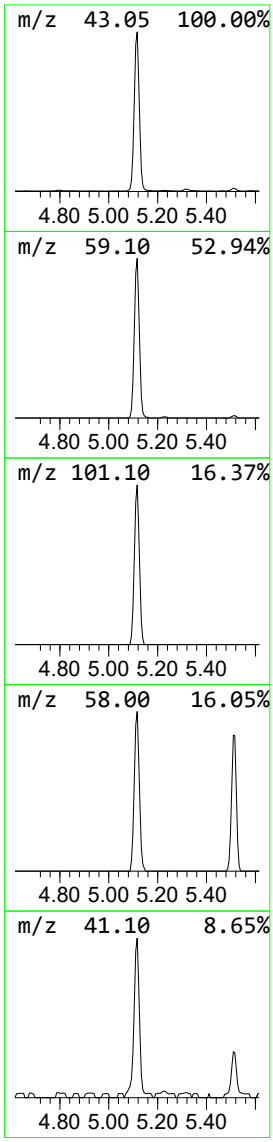
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.116	5.68 ng	260540	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	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	1,2-Butanediol	90	C4H10O2	000584-03-2	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142412.D
Acq On : 16 May 2025 00:58
Operator : RC/JU
Sample : Q2010-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

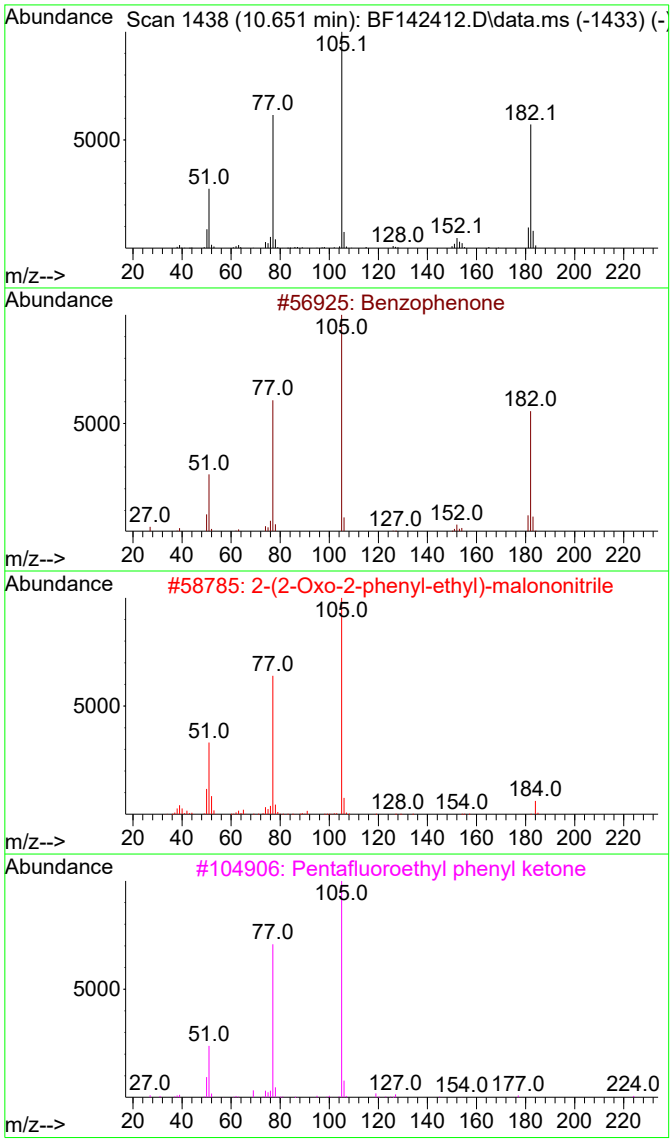
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

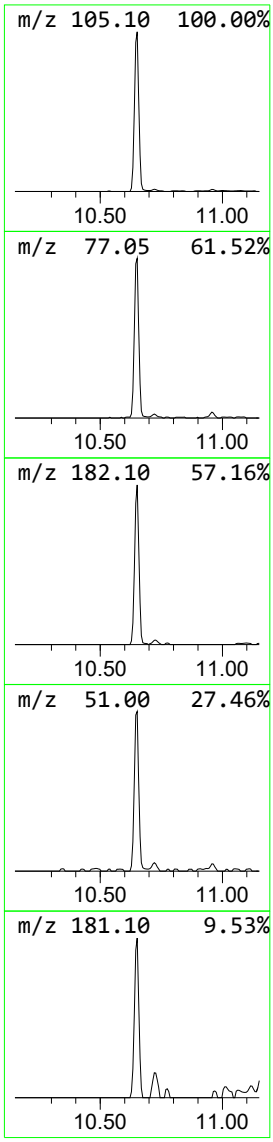
****

Peak Number 2 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.651	3.38 ng	196550	Acenaphthene-d10	9.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	53
3	Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	47
4	acetic acid, 2-bromo-, 2-oxo-2-p...	256	C10H9BrO3	1000401-50-0	47
5	N-Methylbenzamide, N-pentafluoro...	281	C11H8F5NO2	1000446-98-1	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142412.D
Acq On : 16 May 2025 00:58
Operator : RC/JU
Sample : Q2010-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

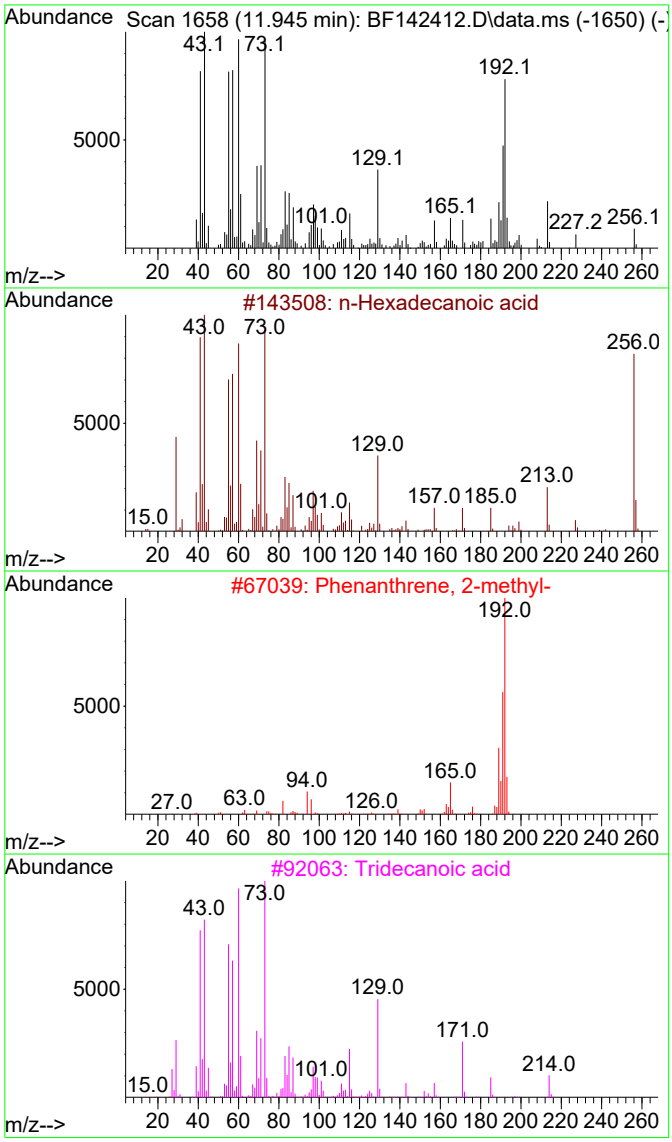
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

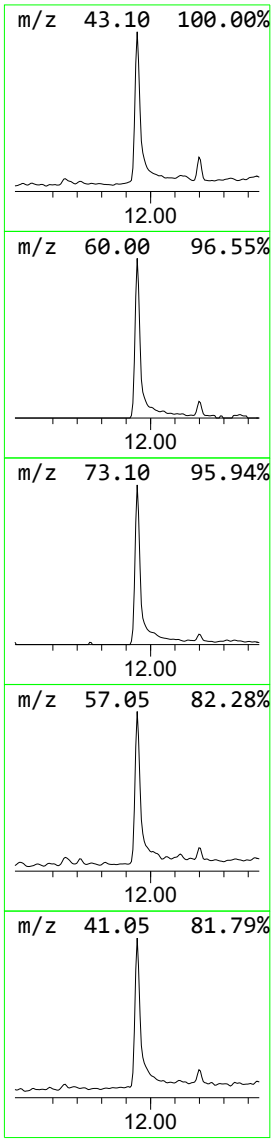
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	6.03 ng	363560	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Tridecanoic acid	214	C13H26O2	000638-53-9	86
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142412.D
Acq On : 16 May 2025 00:58
Operator : RC/JU
Sample : Q2010-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

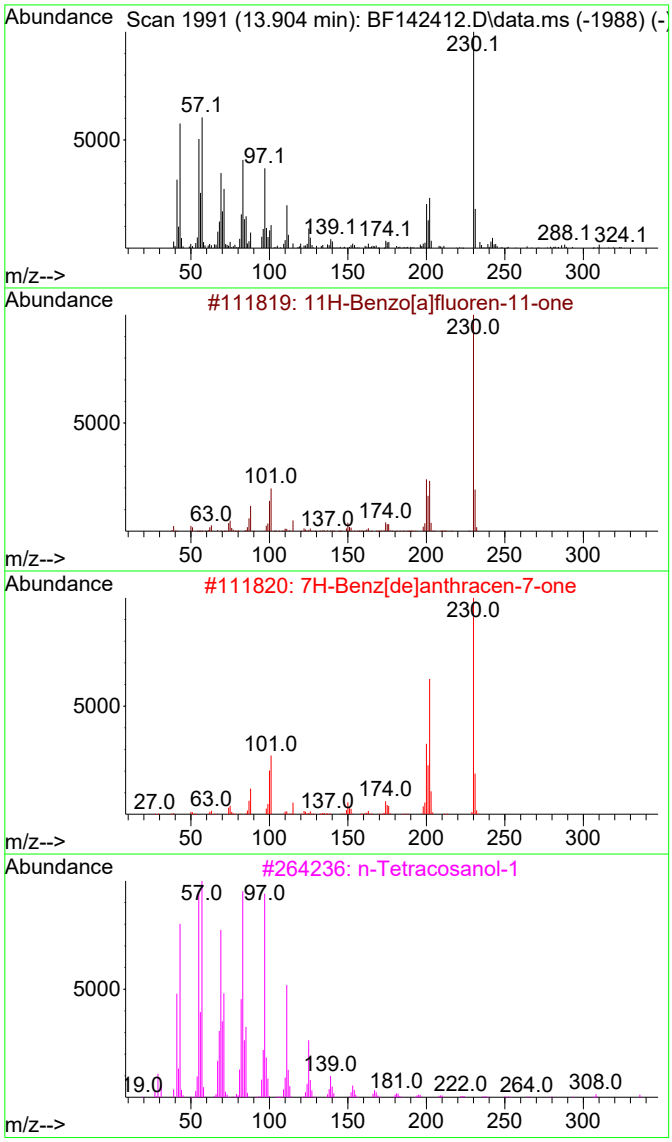
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

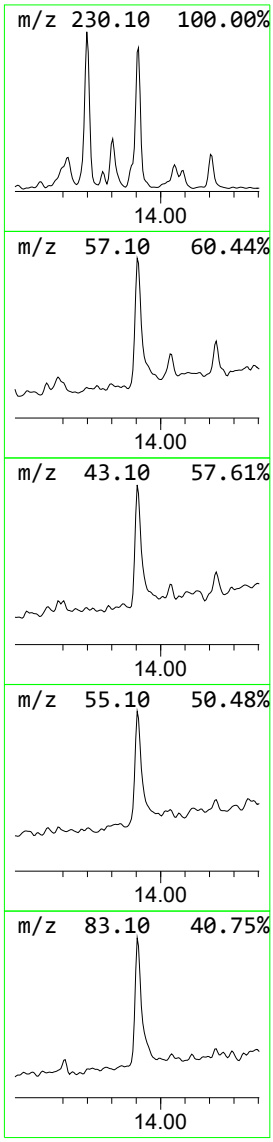
****

Peak Number 4 11H-Benzo[a]fluoren-11-one Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	2.37 ng	144790	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	91
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	55
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	38
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	38
5	Pentafluoropropionic acid, tetra...	360	C17H29F5O2	006222-06-6	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142412.D
Acq On : 16 May 2025 00:58
Operator : RC/JU
Sample : Q2010-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

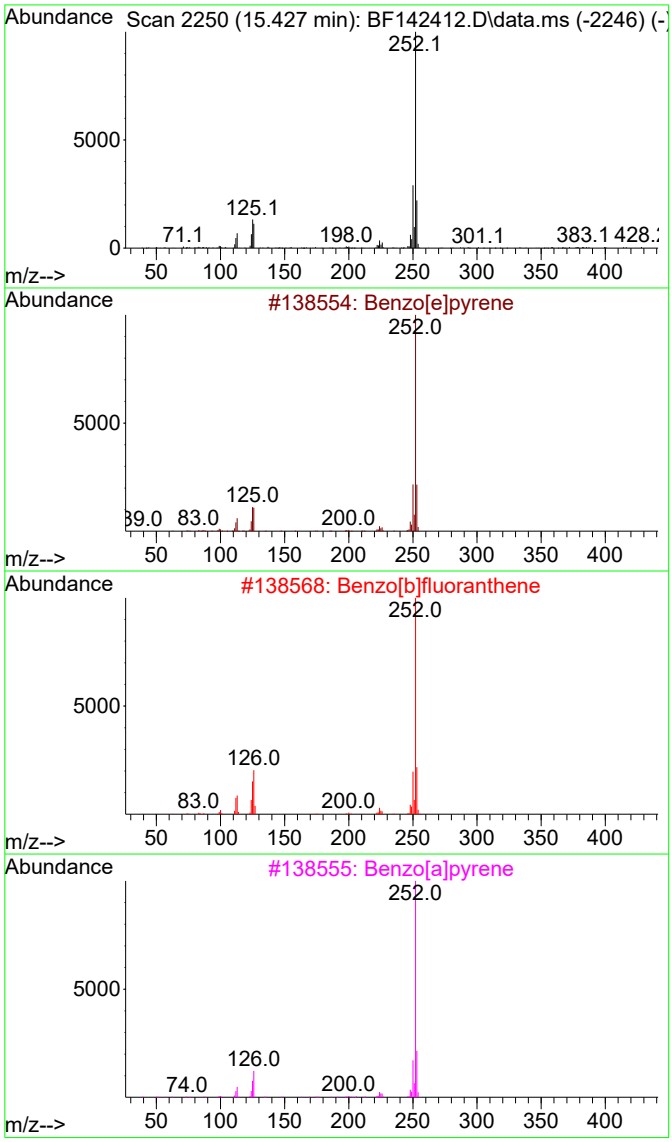
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

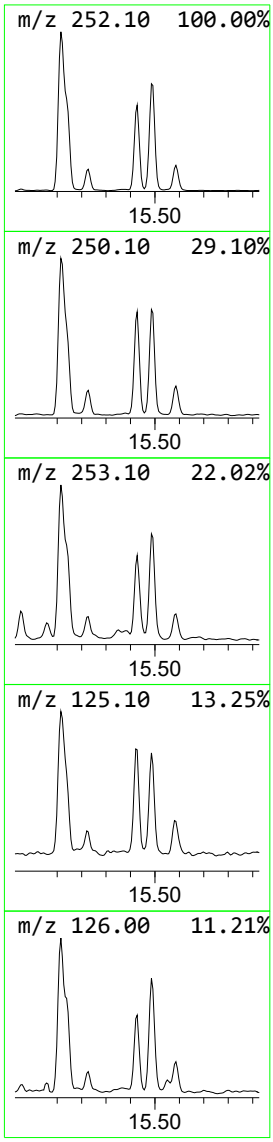
****

Peak Number 5 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.427	4.95 ng	164298	Perylene-d12	15.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142412.D
Acq On : 16 May 2025 00:58
Operator : RC/JU
Sample : Q2010-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-10

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	5.7	ng	260540	1	6.904	917143	20.0
Benzophenone	10.651	3.4	ng	196550	3	9.939	1161470	20.0
n-Hexadecanoic ...	11.945	6.0	ng	363560	4	11.427	1205820	20.0
11H-Benzo[a]flu...	13.904	2.4	ng	144790	5	14.063	1220360	20.0
Benzo[e]pyrene	15.427	5.0	ng	164298	6	15.557	663321	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024637.D
Acq On : 15 May 2025 14:38
Operator : RC/JU
Sample : Q2010-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-13

Quant Time: May 15 14:57:36 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

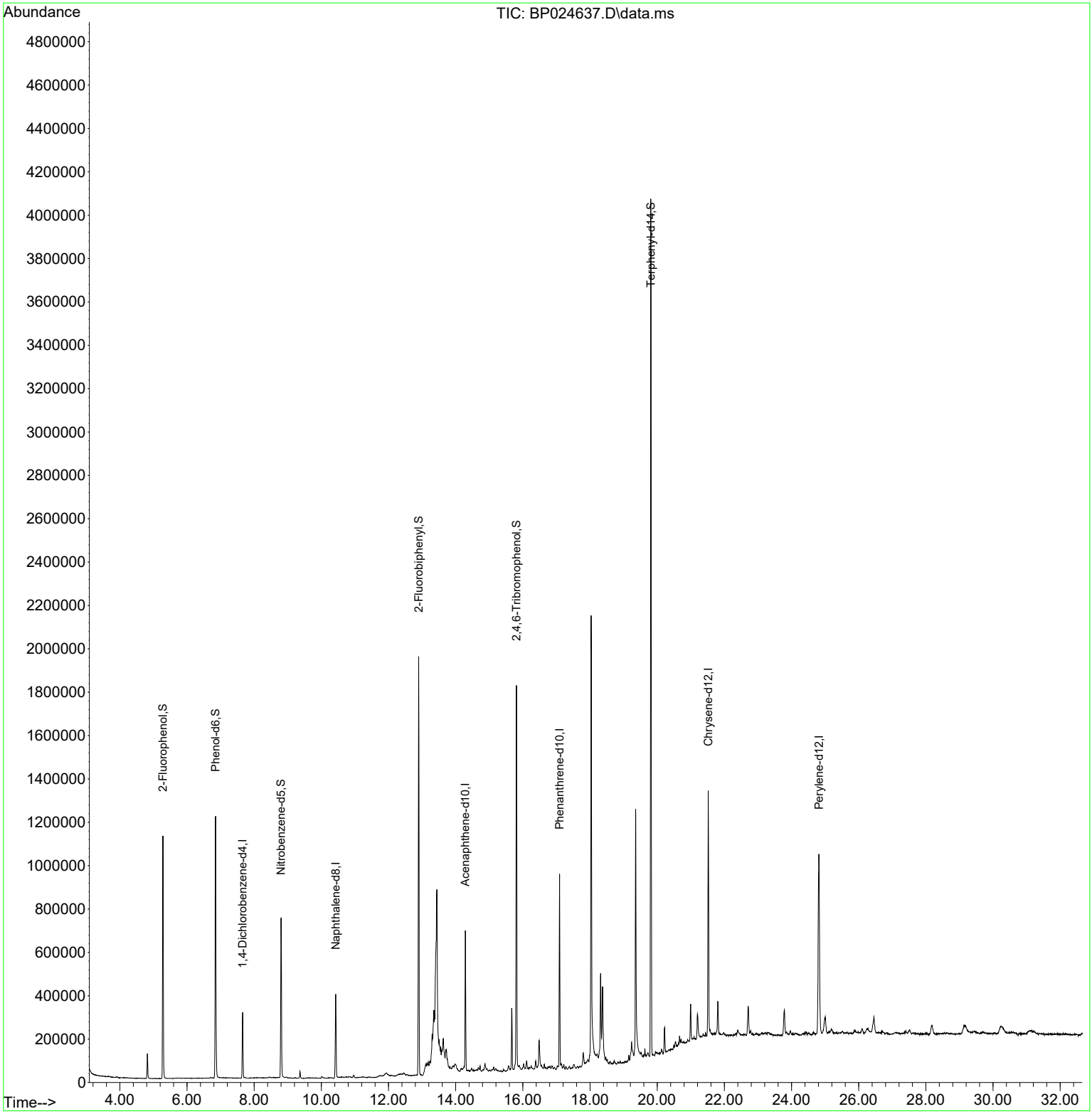
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.658	152	81567	20.000	ng	0.00
21) Naphthalene-d8	10.428	136	326104	20.000	ng	0.00
39) Acenaphthene-d10	14.287	164	209284	20.000	ng	-0.02
64) Phenanthrene-d10	17.092	188	462605	20.000	ng	0.00
76) Chrysene-d12	21.521	240	648338	20.000	ng	0.00
86) Perylene-d12	24.815	264	871428	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.281	112	507853	106.491	ng	0.00
7) Phenol-d6	6.852	99	706374	116.056	ng	0.00
23) Nitrobenzene-d5	8.799	82	426899	66.144	ng	-0.01
42) 2,4,6-Tribromophenol	15.810	330	409334	115.371	ng	0.00
45) 2-Fluorobiphenyl	12.898	172	965149	60.419	ng	0.00
79) Terphenyl-d14	19.810	244	2015741	53.311	ng	0.00
Target Compounds						Qvalue

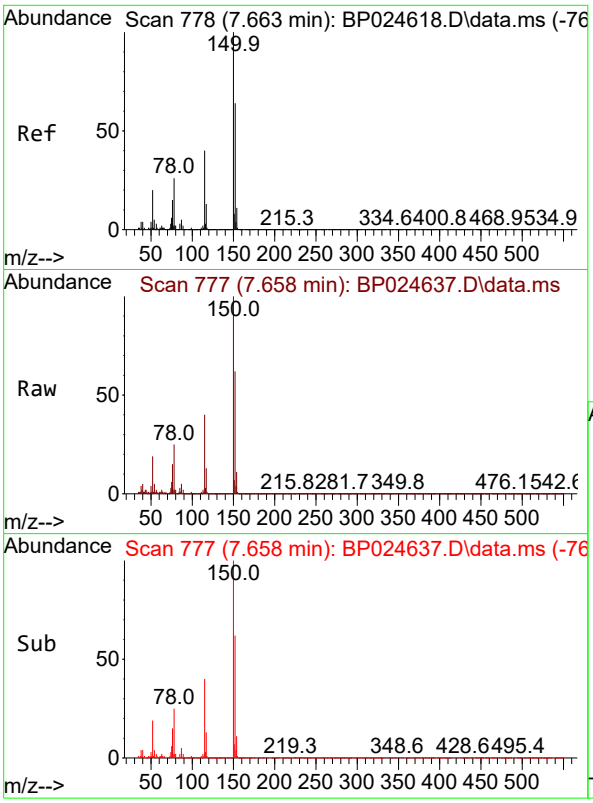
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024637.D
Acq On : 15 May 2025 14:38
Operator : RC/JU
Sample : Q2010-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-13

Quant Time: May 15 14:57:36 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



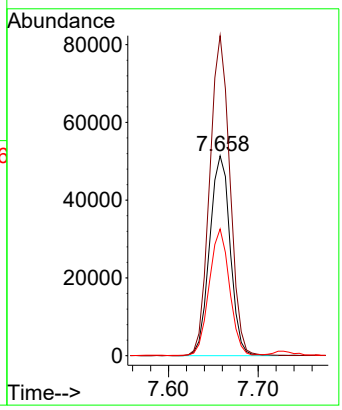


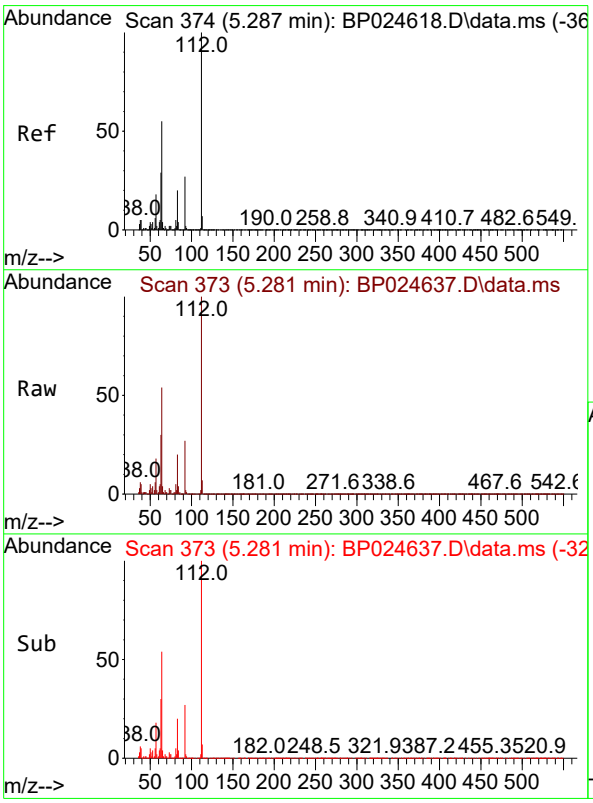
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.658 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024637.D
Acq: 15 May 2025 14:38

Instrument :
BNA_P
ClientSampleId :
TP-13

Tgt Ion:152 Resp: 81567

Ion	Ratio	Lower	Upper
152	100		
150	160.1	125.9	188.9
115	63.4	50.1	75.1

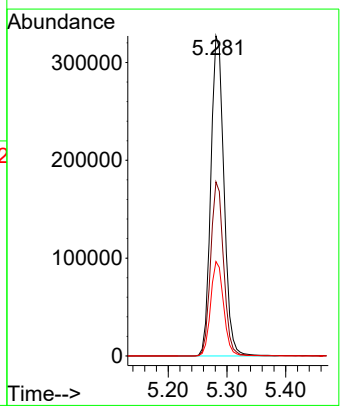


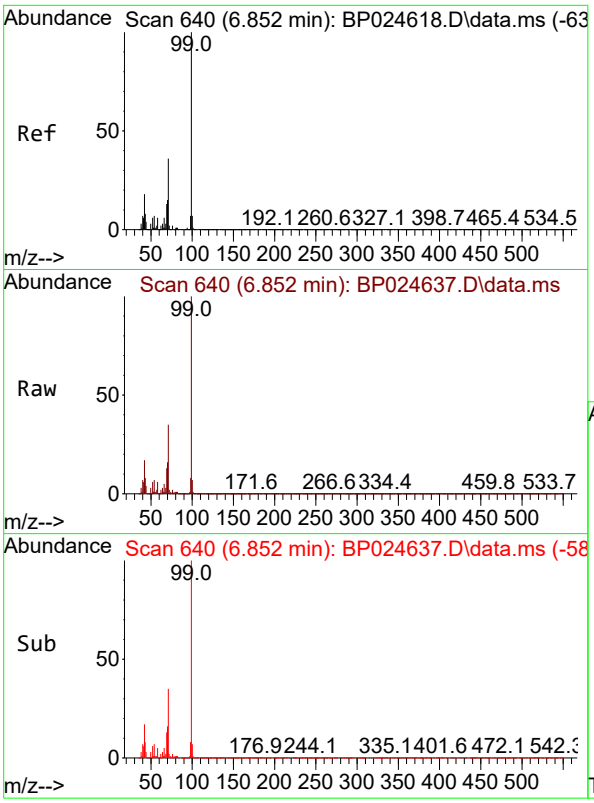


#5
2-Fluorophenol
Concen: 106.491 ng
RT: 5.281 min Scan# 373
Delta R.T. -0.006 min
Lab File: BP024637.D
Acq: 15 May 2025 14:38

Tgt Ion:112 Resp: 507853

Ion	Ratio	Lower	Upper
112	100		
64	54.4	44.1	66.1
63	29.5	23.5	35.3



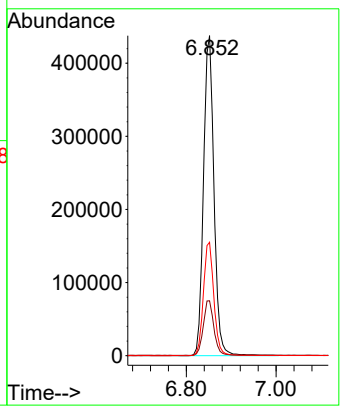


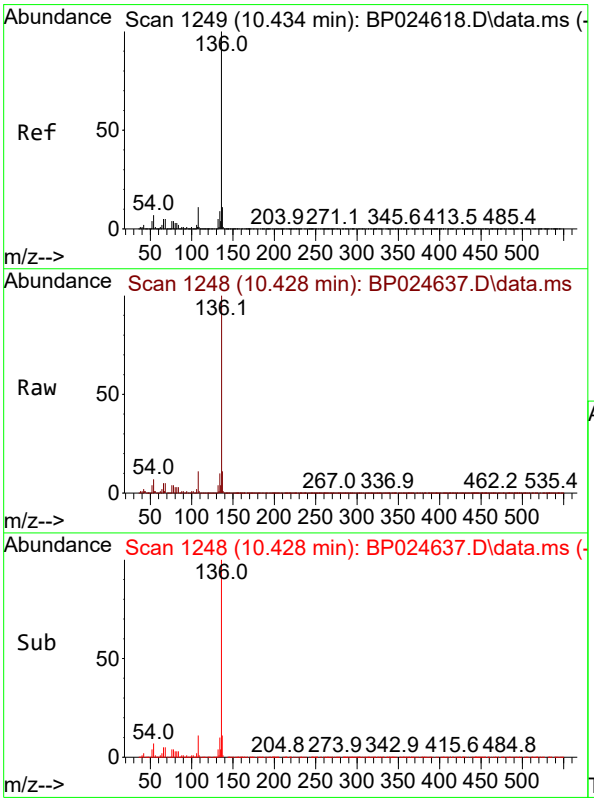
#7
Phenol-d6
Concen: 116.056 ng
RT: 6.852 min Scan# 64
Delta R.T. 0.000 min
Lab File: BP024637.D
Acq: 15 May 2025 14:38

Instrument :
BNA_P
ClientSampleId :
TP-13

Tgt Ion: 99 Resp: 706374

Ion	Ratio	Lower	Upper
99	100		
42	17.2	14.4	21.6
71	35.5	29.2	43.8

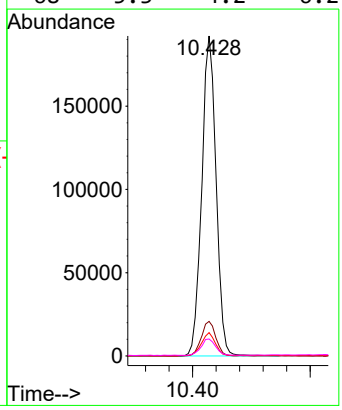


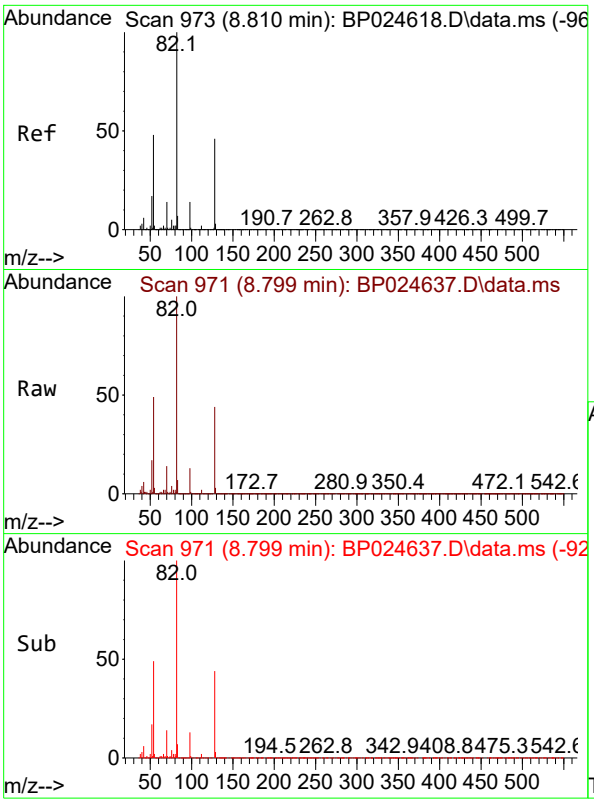


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP024637.D
Acq: 15 May 2025 14:38

Tgt Ion:136 Resp: 326104

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.3	5.5	8.3
68	5.3	4.2	6.2



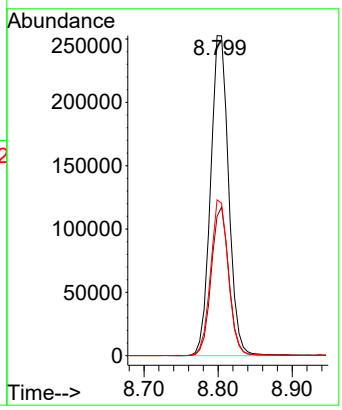


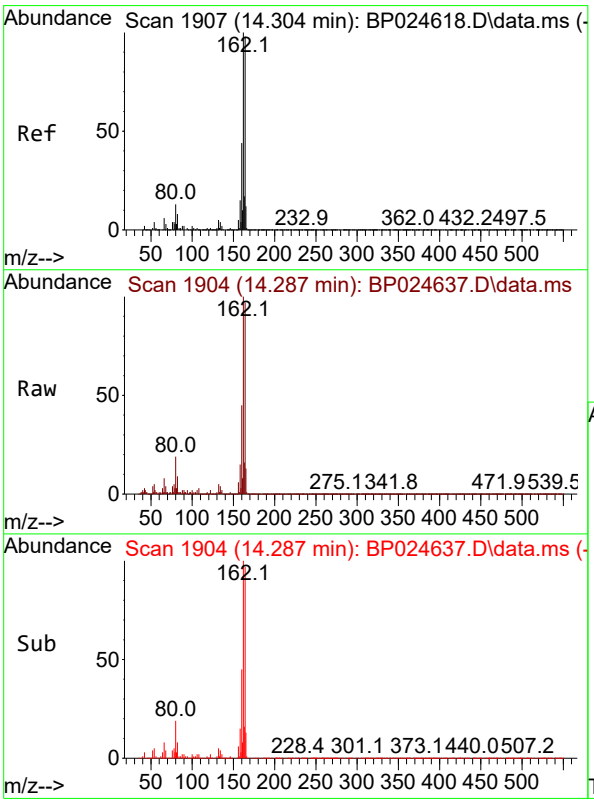
#23
Nitrobenzene-d5
Concen: 66.144 ng
RT: 8.799 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024637.D
Acq: 15 May 2025 14:38

Instrument :
BNA_P
ClientSampleId :
TP-13

Tgt Ion: 82 Resp: 426899

Ion	Ratio	Lower	Upper
82	100		
128	43.5	37.0	55.4
54	48.7	38.7	58.1

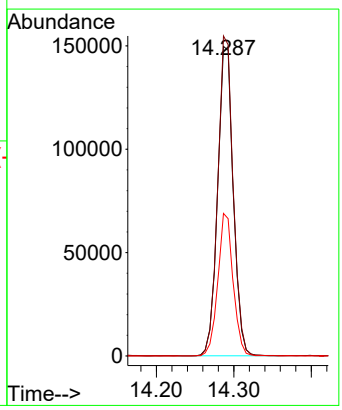


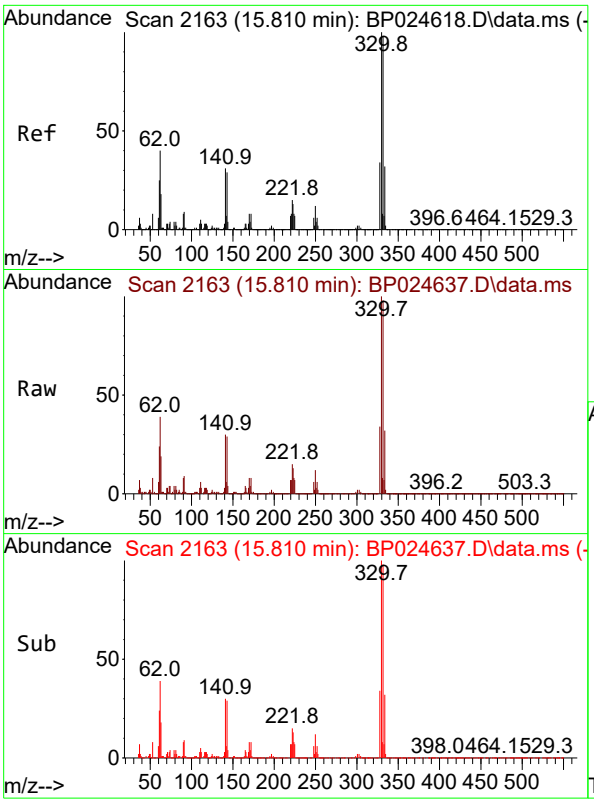


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.287 min Scan# 1904
Delta R.T. -0.018 min
Lab File: BP024637.D
Acq: 15 May 2025 14:38

Tgt Ion:164 Resp: 209284

Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.8	122.6
160	46.1	36.3	54.5



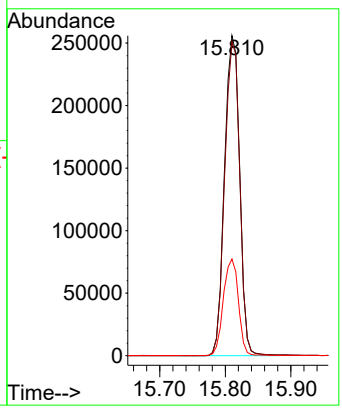


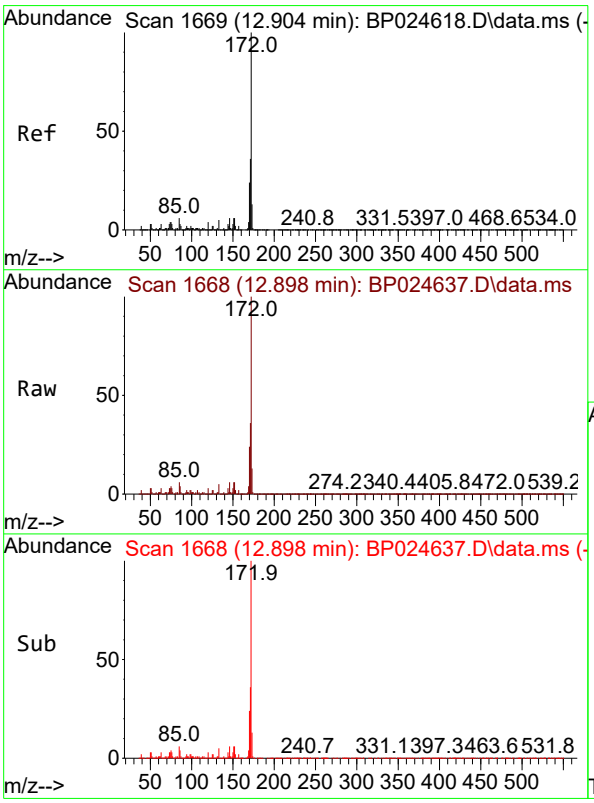
#42
2,4,6-Tribromophenol
Concen: 115.371 ng
RT: 15.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024637.D
Acq: 15 May 2025 14:38

Instrument :
BNA_P
ClientSampleId :
TP-13

Tgt Ion:330 Resp: 409334

Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.2	117.4
141	30.0	24.3	36.5

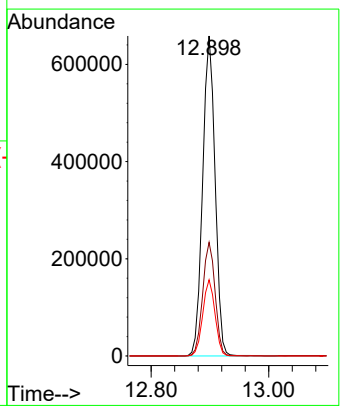


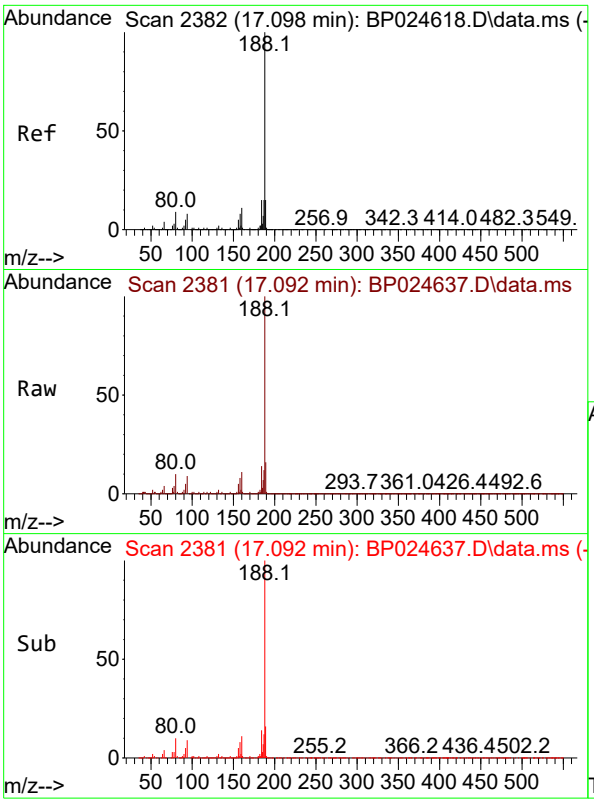


#45
2-Fluorobiphenyl
Concen: 60.419 ng
RT: 12.898 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BP024637.D
Acq: 15 May 2025 14:38

Tgt Ion:172 Resp: 965149

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.8	43.2
170	23.8	18.8	28.2



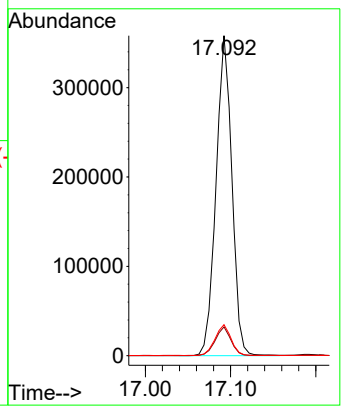


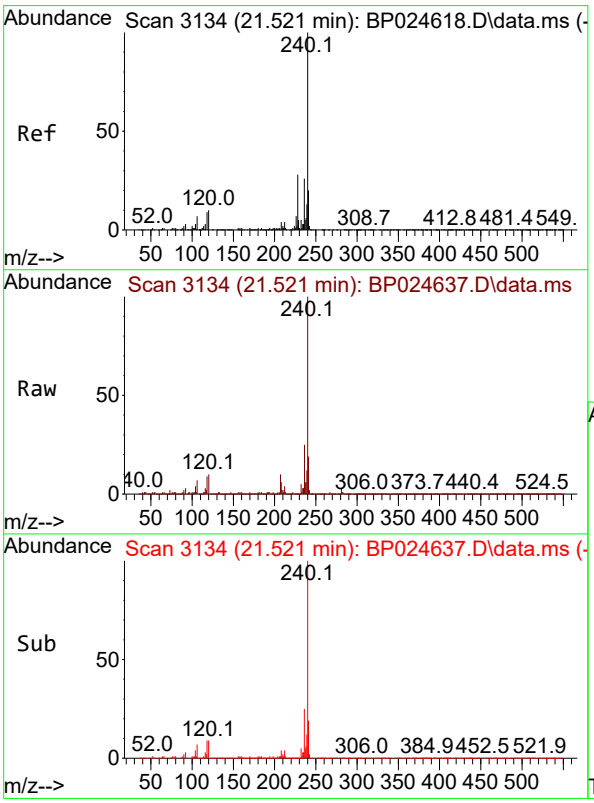
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.092 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024637.D
Acq: 15 May 2025 14:38

Instrument :
BNA_P
ClientSampleId :
TP-13

Tgt Ion:188 Resp: 462605

Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.5	9.7
80	9.7	7.3	10.9

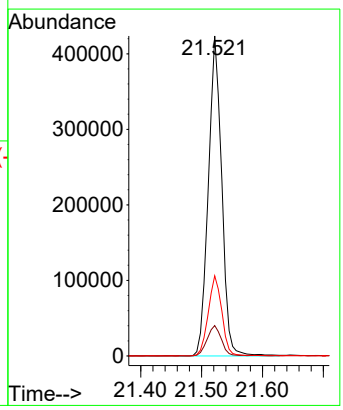


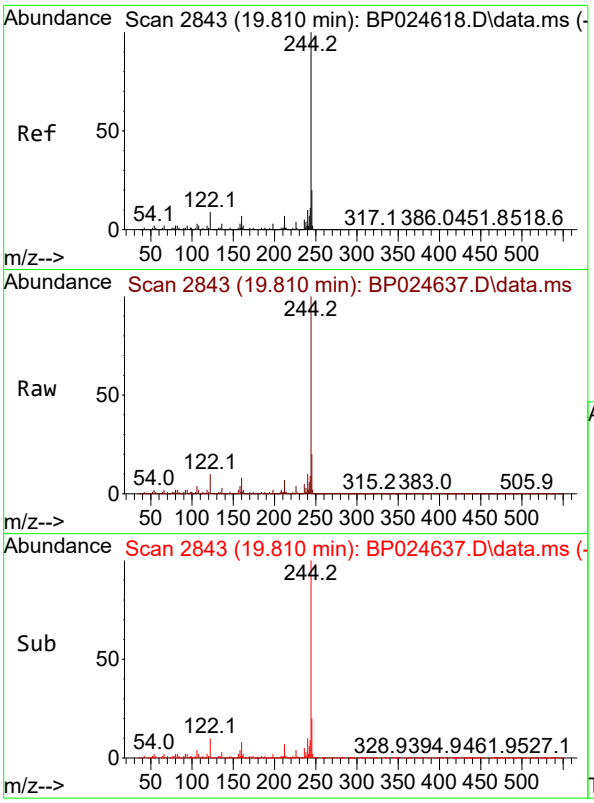


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.521 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024637.D
Acq: 15 May 2025 14:38

Tgt Ion:240 Resp: 648338

Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.8	11.6
236	25.0	20.6	31.0



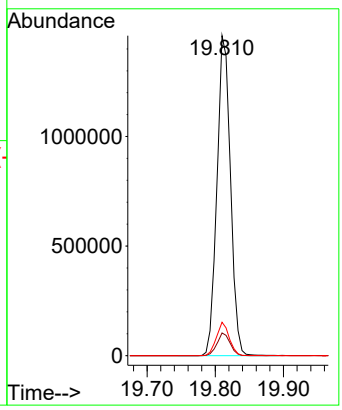


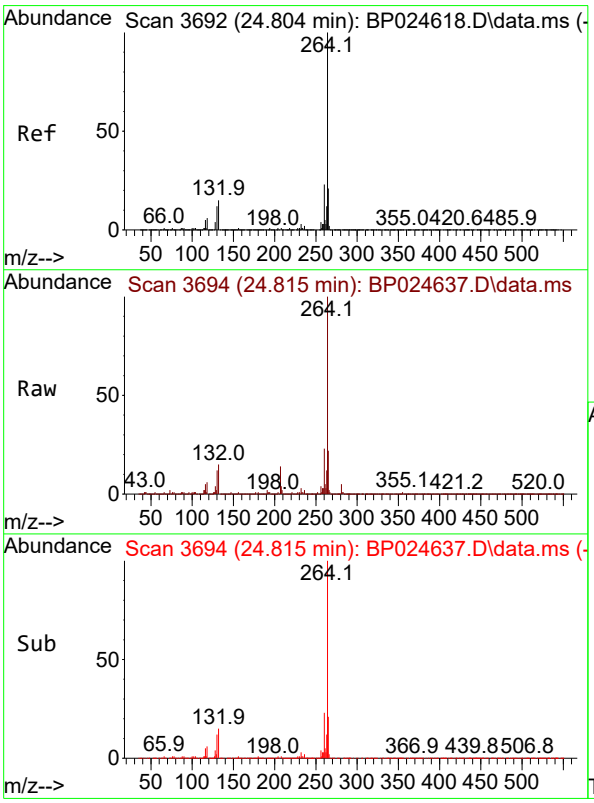
#79
Terphenyl-d14
Concen: 53.311 ng
RT: 19.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024637.D
Acq: 15 May 2025 14:38

Instrument :
BNA_P
ClientSampleId :
TP-13

Tgt Ion:244 Resp: 2015741

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	10.4	7.4	11.0

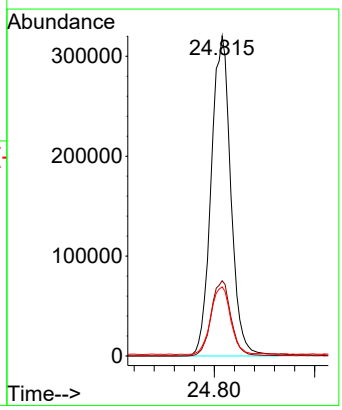




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.815 min Scan# 3694
Delta R.T. 0.012 min
Lab File: BP024637.D
Acq: 15 May 2025 14:38

Tgt Ion:264 Resp: 871428

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.6	17.0	25.6



Sample Results: **BP024637.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024637.D
Acq On : 15 May 2025 14:38
Operator : RC/JU
Sample : Q2010-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-13

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: BP024637.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.822	287	295	303	rBV	115810	168901	3.14%	0.471%
2	5.281	367	373	387	rBV	1118983	1717104	31.93%	4.792%
3	6.852	628	640	655	rBV	1208452	1998161	37.15%	5.576%
4	7.658	770	777	785	rBV	303989	482484	8.97%	1.346%
5	8.805	964	972	986	rBV	737593	1248429	23.21%	3.484%
6	10.428	1241	1248	1257	rBV	387132	665298	12.37%	1.857%
7	12.898	1661	1668	1676	rBV	1930445	2814197	52.33%	7.853%
8	13.104	1690	1703	1704	rBV5	46508	117666	2.19%	0.328%
9	13.298	1728	1736	1738	rBV2	132560	255398	4.75%	0.713%
10	13.351	1739	1745	1747	rVV3	213470	447928	8.33%	1.250%
11	13.440	1750	1760	1770	rVB	720122	2353296	43.76%	6.567%
12	13.634	1788	1793	1801	rVB3	90805	205187	3.82%	0.573%
13	14.287	1899	1904	1913	rVB	646679	903944	16.81%	2.523%
14	15.669	2134	2139	2145	rVB	281164	403334	7.50%	1.126%
15	15.810	2152	2163	2174	rBV	1767845	2864410	53.26%	7.993%
16	16.110	2210	2214	2223	rVB3	37723	71478	1.33%	0.199%
17	16.486	2273	2278	2287	rVB3	117819	253810	4.72%	0.708%
18	17.092	2375	2381	2386	rBV	888985	1142834	21.25%	3.189%
19	17.798	2496	2501	2508	rBV6	52743	108314	2.01%	0.302%
20	18.033	2530	2541	2557	rBV	2057236	3490992	64.91%	9.742%
21	18.316	2584	2589	2594	rBV	355312	595638	11.07%	1.662%
22	18.375	2594	2599	2612	rVB	337448	796455	14.81%	2.223%
23	19.239	2737	2746	2756	rBV7	81794	269851	5.02%	0.753%
24	19.357	2761	2766	2790	rVB	1137225	1963241	36.50%	5.479%
25	19.810	2838	2843	2852	rVB	3949905	5378269	100.00%	15.008%
26	20.222	2908	2913	2918	rBV	114320	182563	3.39%	0.509%
27	20.998	3040	3045	3052	rBV	166071	266857	4.96%	0.745%
28	21.198	3075	3079	3090	rBV3	106045	232334	4.32%	0.648%
29	21.521	3128	3134	3141	rBV	1118715	1725892	32.09%	4.816%
30	21.804	3178	3182	3190	rVB	150419	261632	4.86%	0.730%
31	22.704	3333	3335	3343	rVB2	124960	234199	4.35%	0.654%
32	24.815	3685	3694	3707	rVB	825814	2215120	41.19%	6.181%

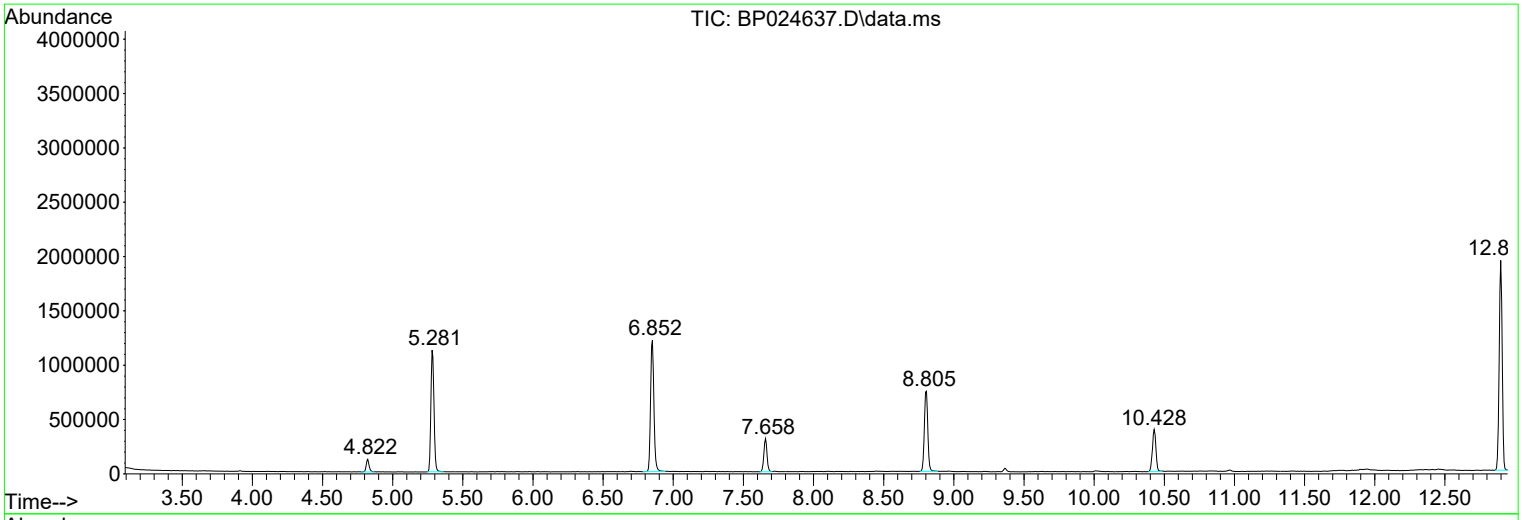
Sum of corrected areas: 35835216

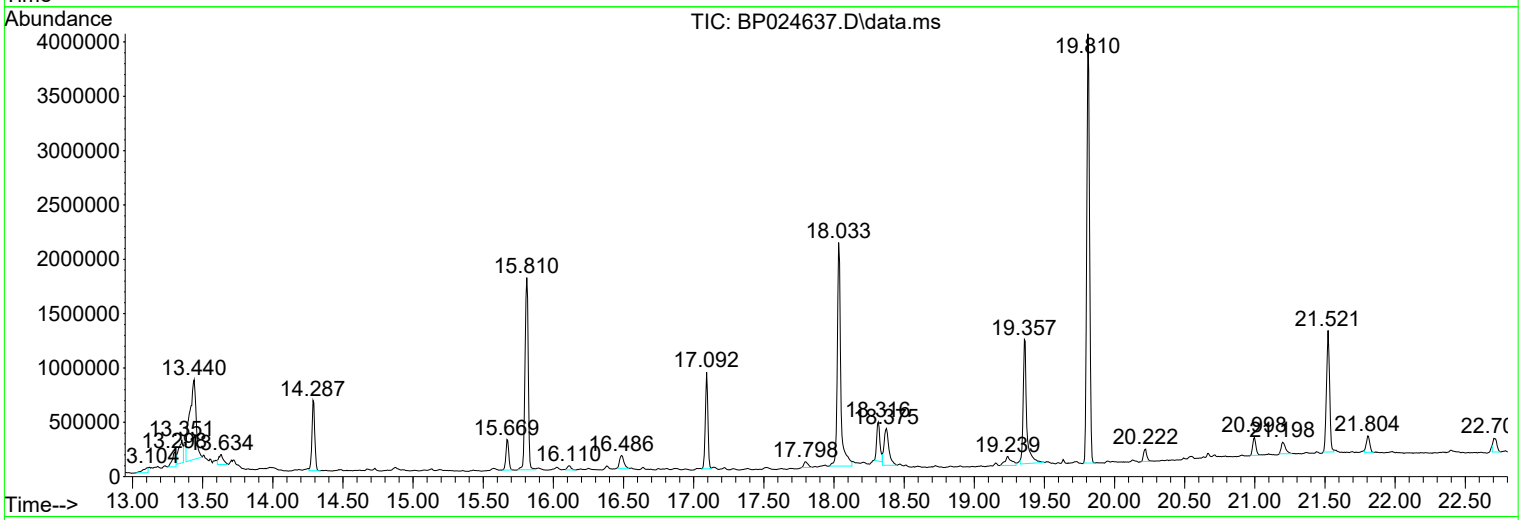
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024637.D
Acq On : 15 May 2025 14:38
Operator : RC/JU
Sample : Q2010-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

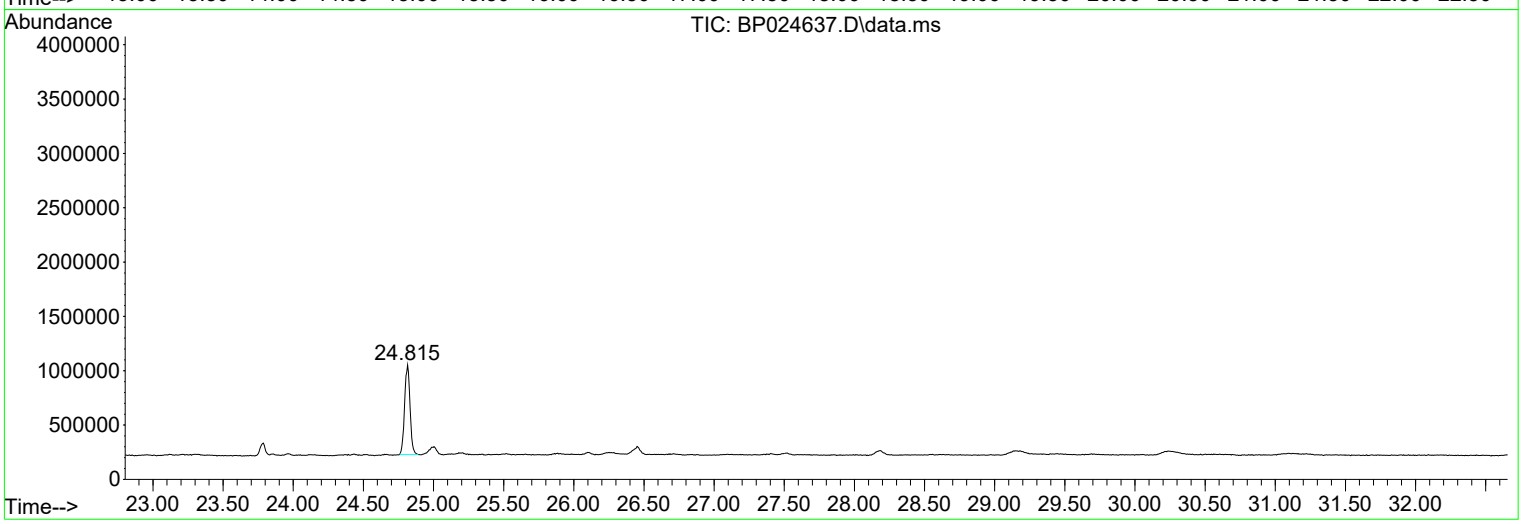
Instrument :
BNA_P
ClientSampleId :
TP-13

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







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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-13

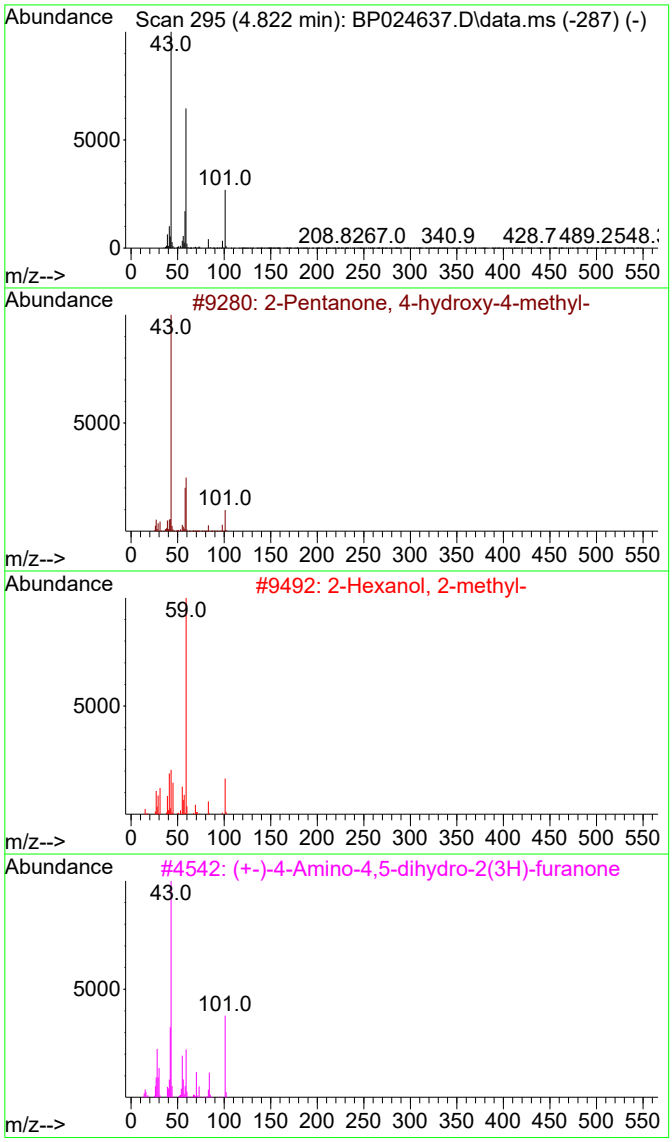
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

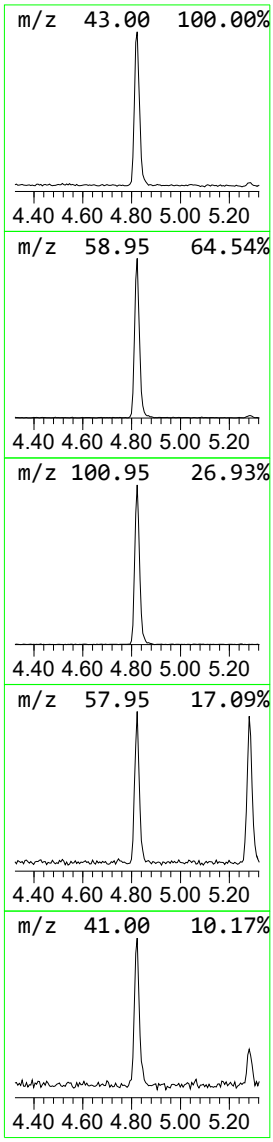
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.822	7.00 ng	168901	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	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
3	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	28
4	1,2-Butanediol	90	C4H10O2	000584-03-2	17
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17





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Instrument :
BNA_P
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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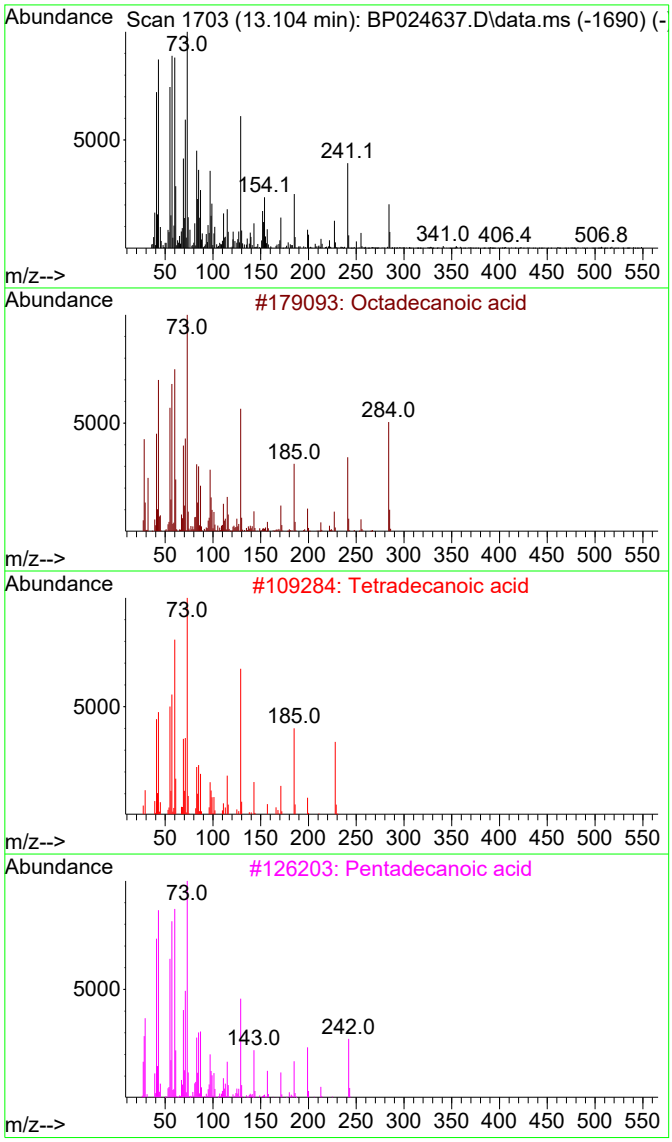
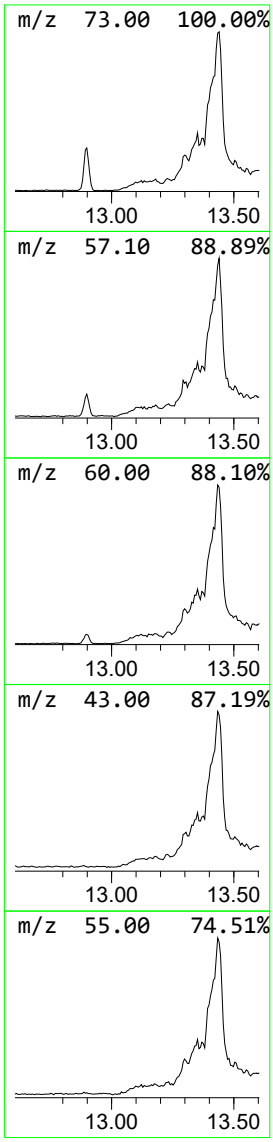
Peak Number 2 Octadecanoic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.104	2.60 ng	117666	Acenaphthene-d10	14.287

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	60
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	60
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	59
5	Undecanoic acid	186	C11H22O2	000112-37-8	49





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Sample : Q2010-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

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BNA_P
ClientSampleId :
TP-13

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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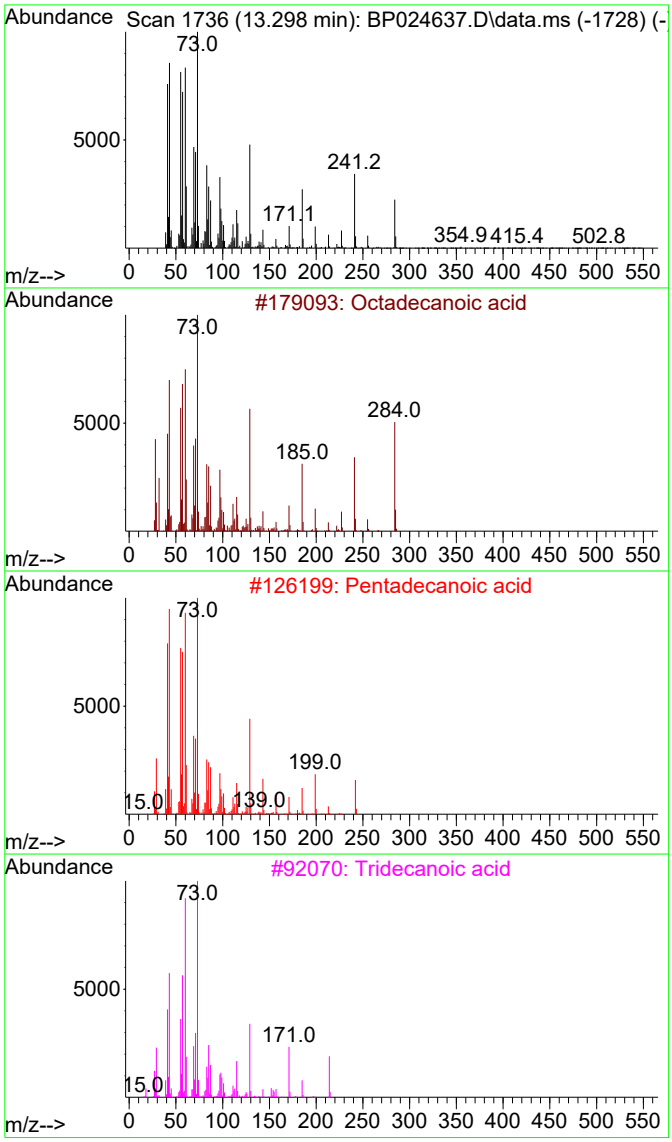
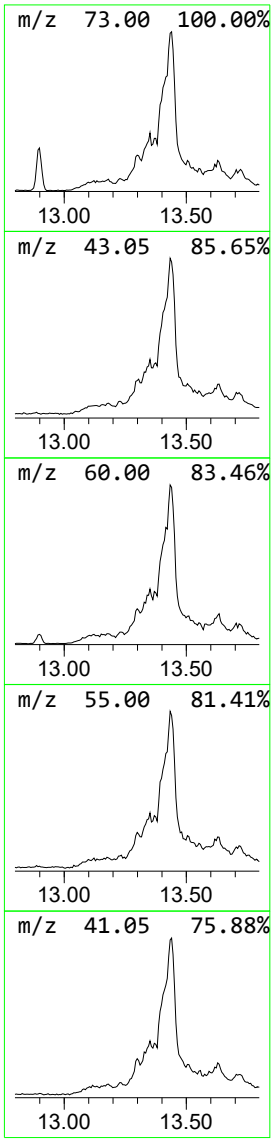
Peak Number 3 Pentadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.298	5.65 ng	255398	Acenaphthene-d10	14.287

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	89
3	Tridecanoic acid	214	C13H26O2	000638-53-9	64
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	58





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Acq On : 15 May 2025 14:38
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Sample : Q2010-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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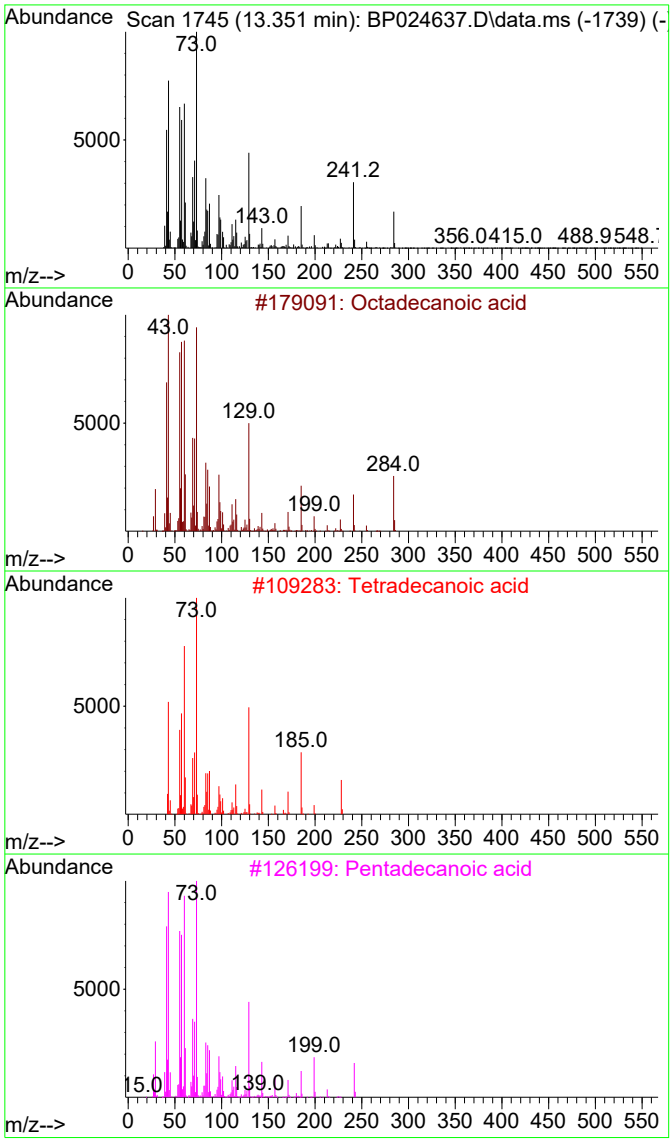
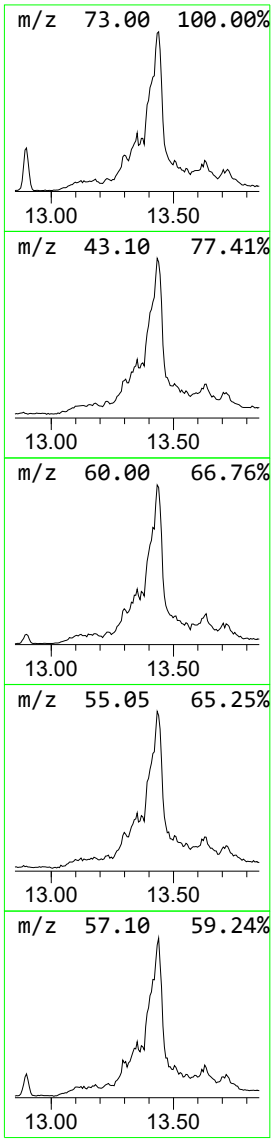
Peak Number 4 Tetradecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.351	9.91 ng	447928	Acenaphthene-d10	14.287

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	95
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	86
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	58
4	8-Methylnonanoic acid	172	C10H20O2	005963-14-4	38
5	Nonanoic acid	158	C9H18O2	000112-05-0	27





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Sample : Q2010-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

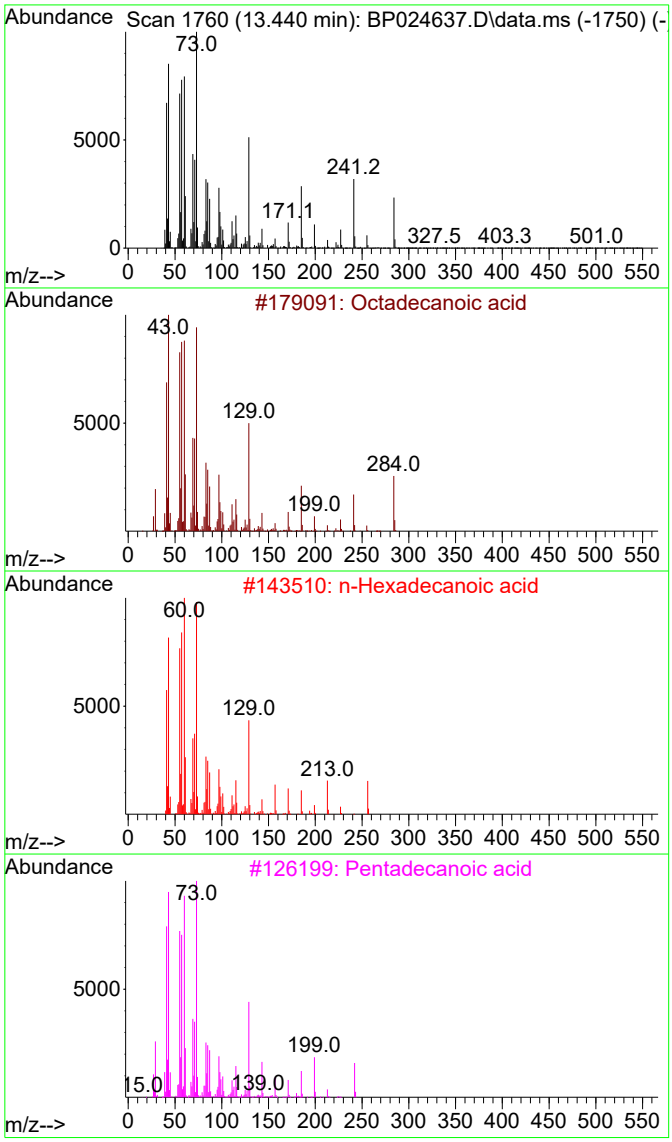
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

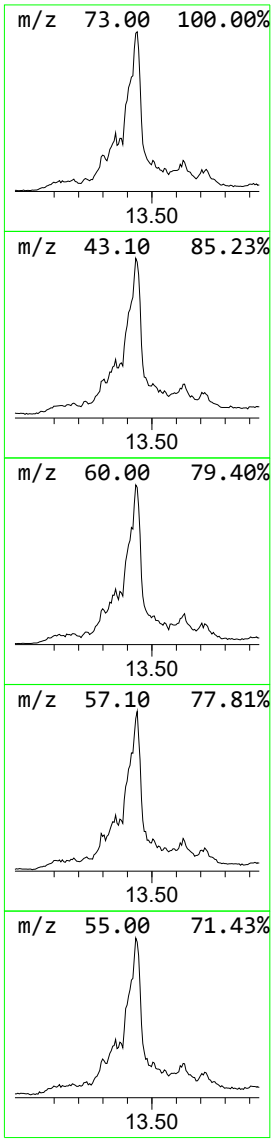
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.440	52.07 ng	2353300	Acenaphthene-d10	14.287

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	90
4	n-Decanoic acid	172	C10H20O2	000334-48-5	83
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	74





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Sample : Q2010-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

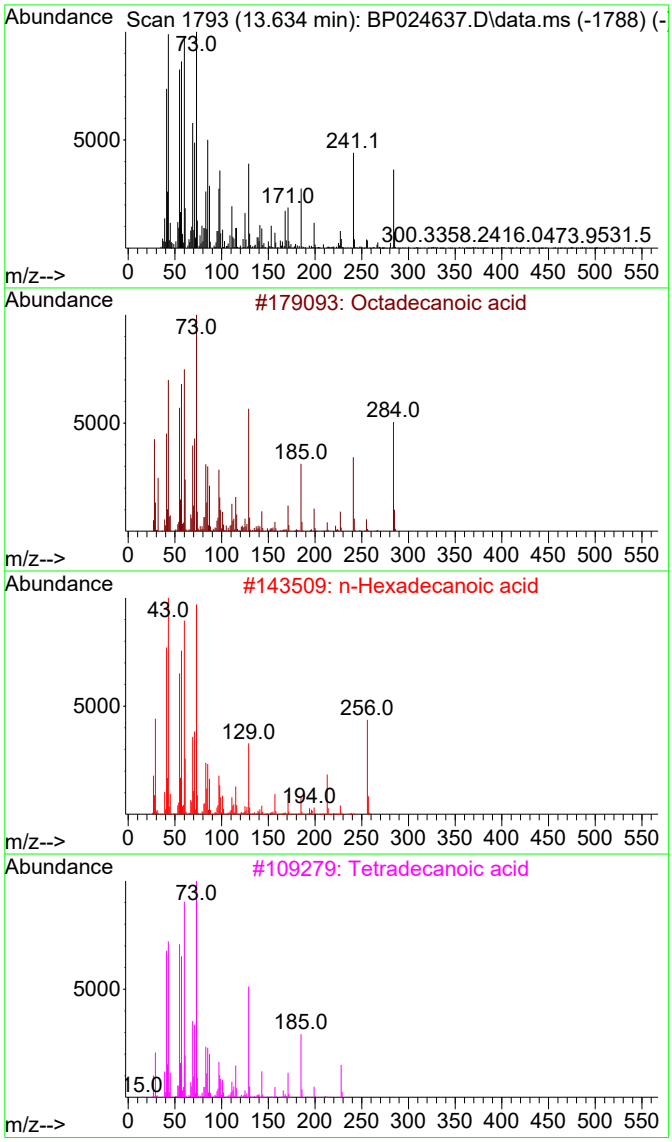
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

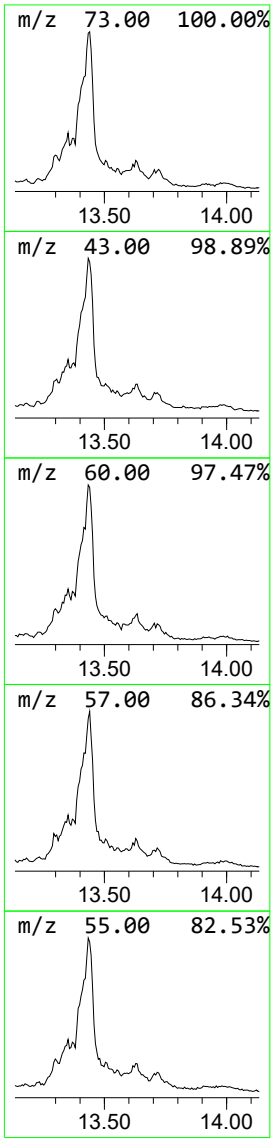
****

Peak Number 6 unknown13.634 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.634	4.54 ng	205187	Acenaphthene-d10	14.287

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	91
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	49
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	43
4	Tridecanoic acid	214	C13H26O2	000638-53-9	43
5	n-Decanoic acid	172	C10H20O2	000334-48-5	30





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Sample : Q2010-02
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ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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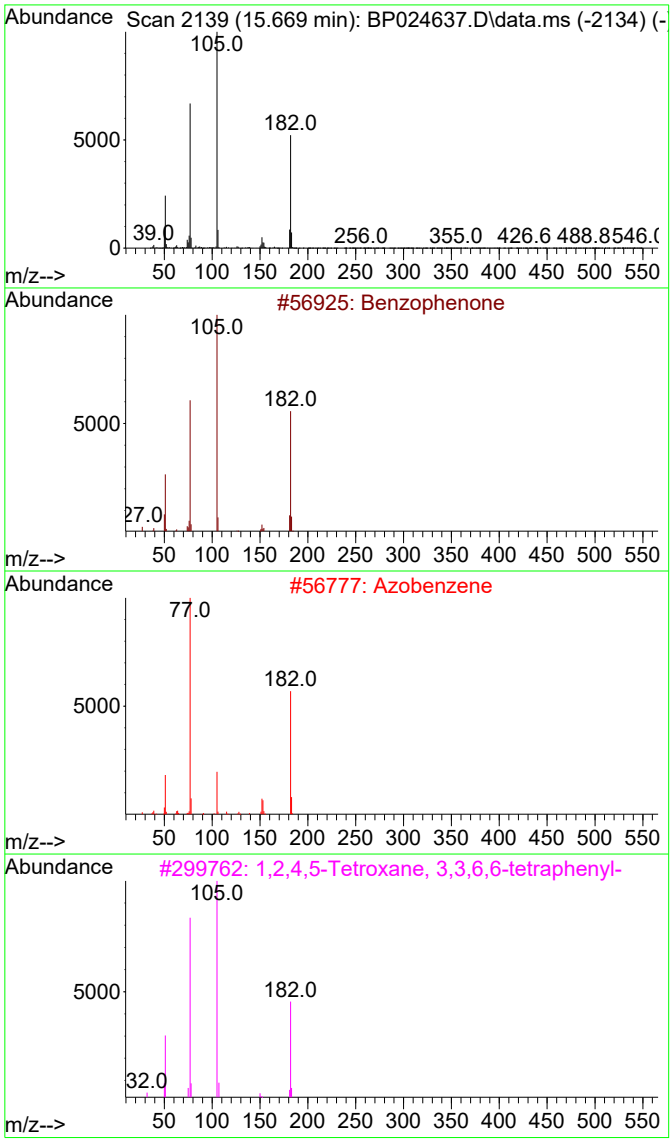
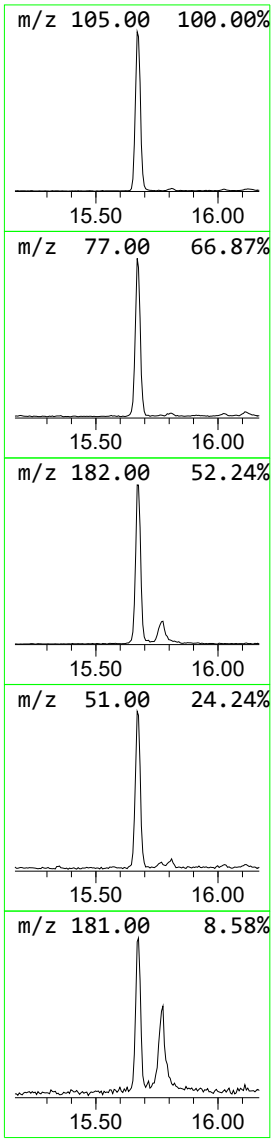
Peak Number 7 Benzophenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.669	8.92 ng	403334	Acenaphthene-d10	14.287

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	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
4	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	64
5	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56





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ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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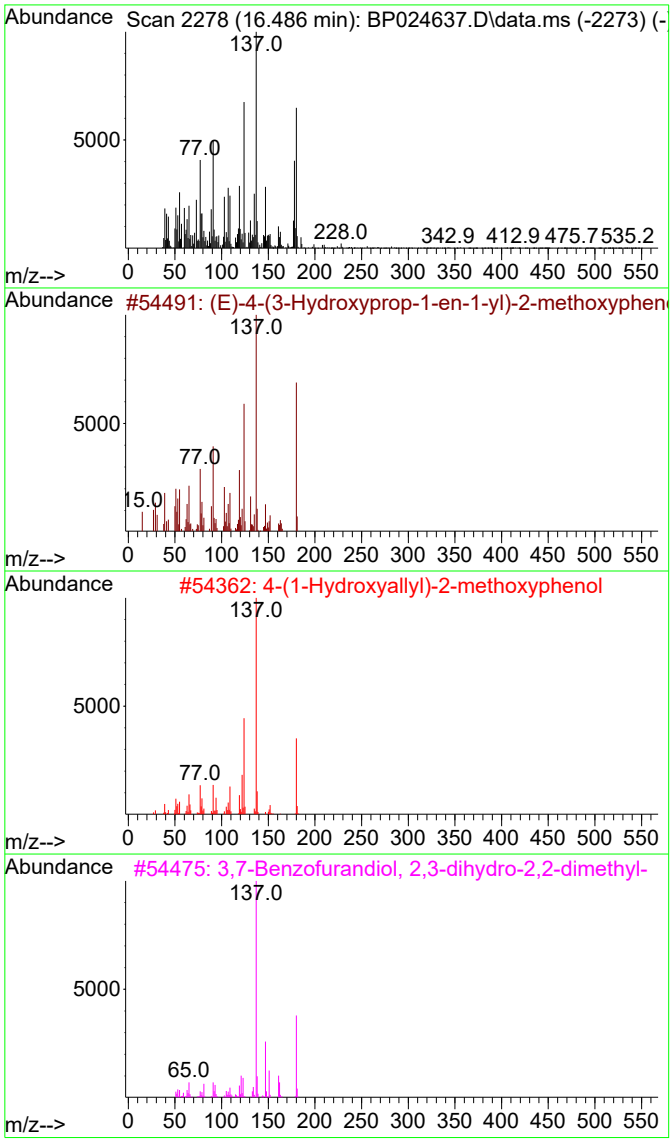
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

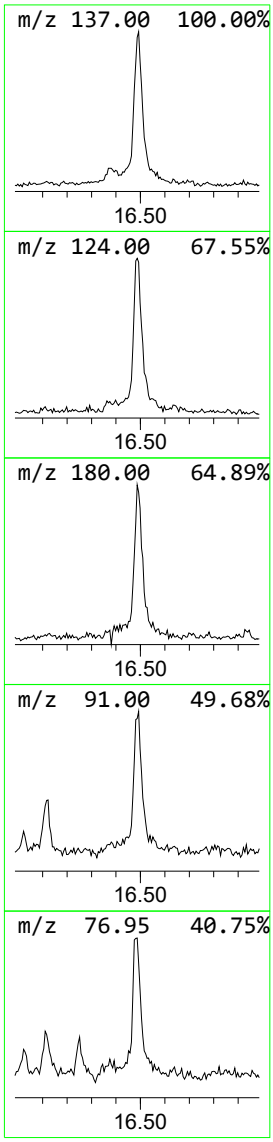
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (E)-4-(3-Hydroxyprop-1-en-1... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.486	4.44 ng	253810	Phenanthrene-d10	17.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-4-(3-Hydroxyprop-1-en-1-yl)-...	180	C10H12O3	032811-40-8	76
2	4-(1-Hydroxyallyl)-2-methoxyphenol	180	C10H12O3	112465-50-6	53
3	3,7-Benzofurandiol, 2,3-dihydro-...	180	C10H12O3	017781-15-6	38
4	1-(Prop-2-ynyloxy)-3,4-methylene...	178	C10H10O3	019202-22-3	38
5	9-Ethoxy-10-oxatricyclo[7.2.1.0(...	224	C13H20O3	1000187-02-8	38





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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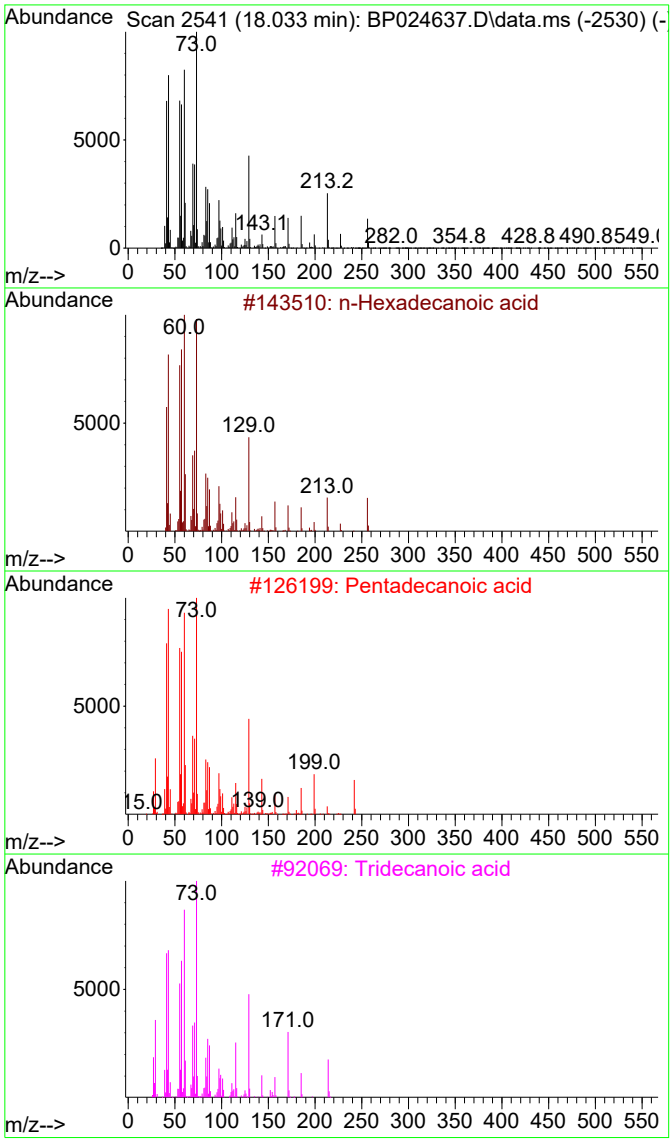
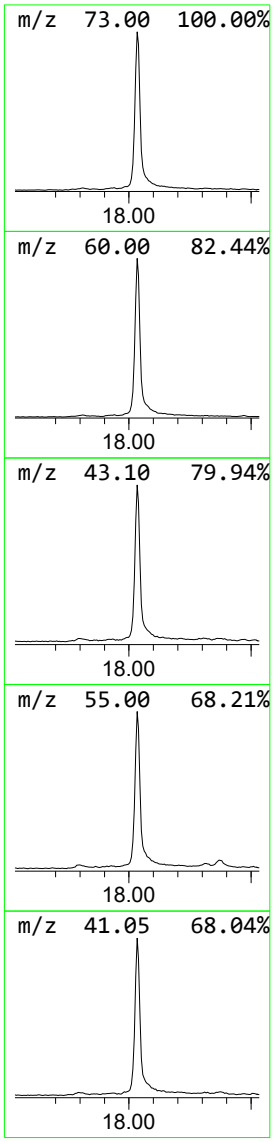
Peak Number 9 Tridecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.033	61.09 ng	3490990	Phenanthrene-d10	17.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	91
4	Undecanoic acid	186	C11H22O2	000112-37-8	87
5	n-Decanoic acid	172	C10H20O2	000334-48-5	76





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Data File : BP024637.D
Acq On : 15 May 2025 14:38
Operator : RC/JU
Sample : Q2010-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-13

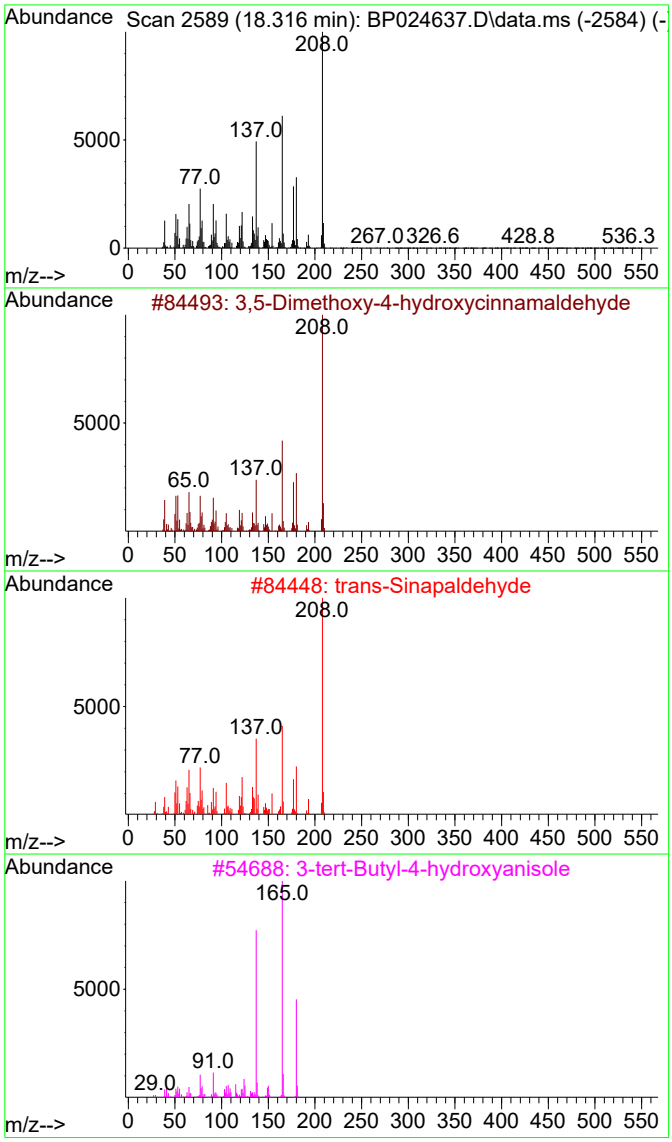
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

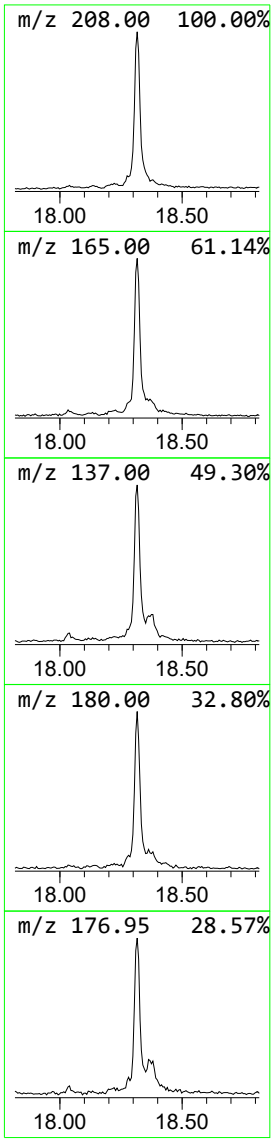
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 3,5-Dimethoxy-4-hydroxycinn... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.316	10.42 ng	595638	Phenanthrene-d10	17.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethoxy-4-hydroxycinnamald...	208	C11H12O4	087345-53-7	97
2	trans-Sinapaldehyde	208	C11H12O4	004206-58-0	95
3	3-tert-Butyl-4-hydroxyanisole	180	C11H16O2	000121-00-6	80
4	1,2-Dimethoxy-4-(3-methoxy-1-pro...	208	C12H16O3	1000313-35-0	46
5	Phenanthrene, 9-methoxy-	208	C15H12O	005085-74-5	45





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Data File : BP024637.D
Acq On : 15 May 2025 14:38
Operator : RC/JU
Sample : Q2010-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

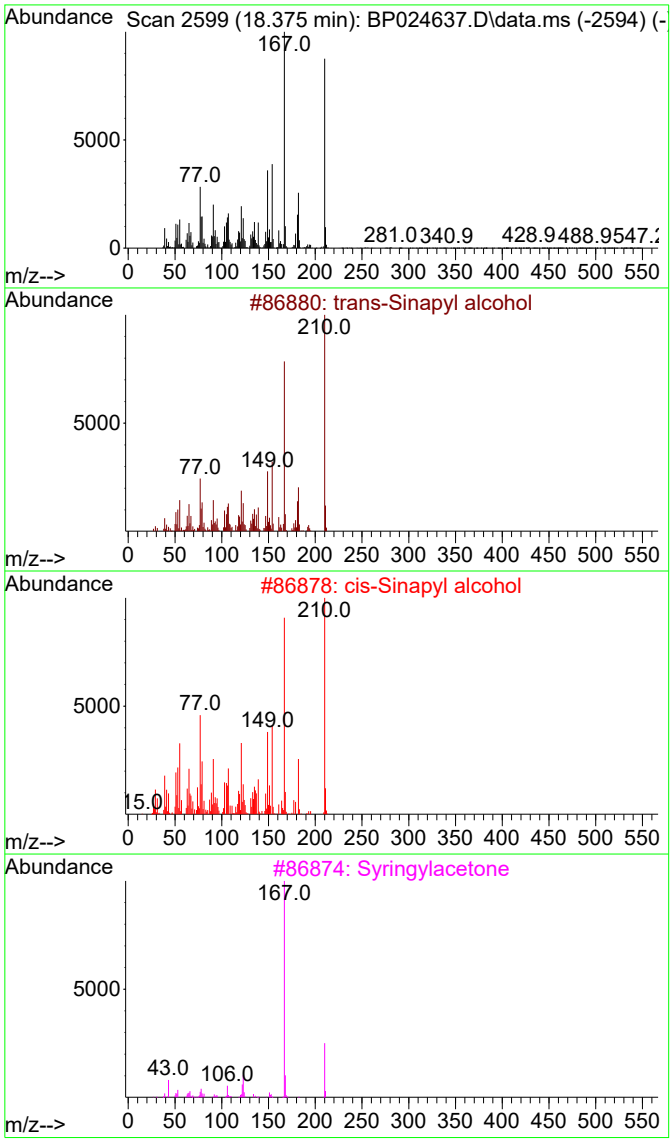
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

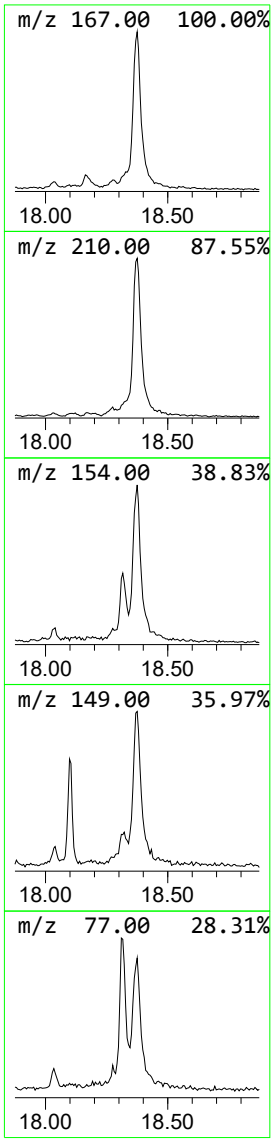
****

Peak Number 11 trans-Sinapyl alcohol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.375	13.94 ng	796455	Phenanthrene-d10	17.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Sinapyl alcohol	210	C11H14O4	020675-96-1	97
2	cis-Sinapyl alcohol	210	C11H14O4	104330-63-4	86
3	Syringylacetone	210	C11H14O4	019037-58-2	60
4	Phenol, 2-chloro-4-cyclohexyl-	210	C12H15ClO	003964-61-2	59
5	4-Ethoxy-2,5-dimethoxybenzaldehyde	210	C11H14O4	1000121-30-2	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024637.D
Acq On : 15 May 2025 14:38
Operator : RC/JU
Sample : Q2010-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

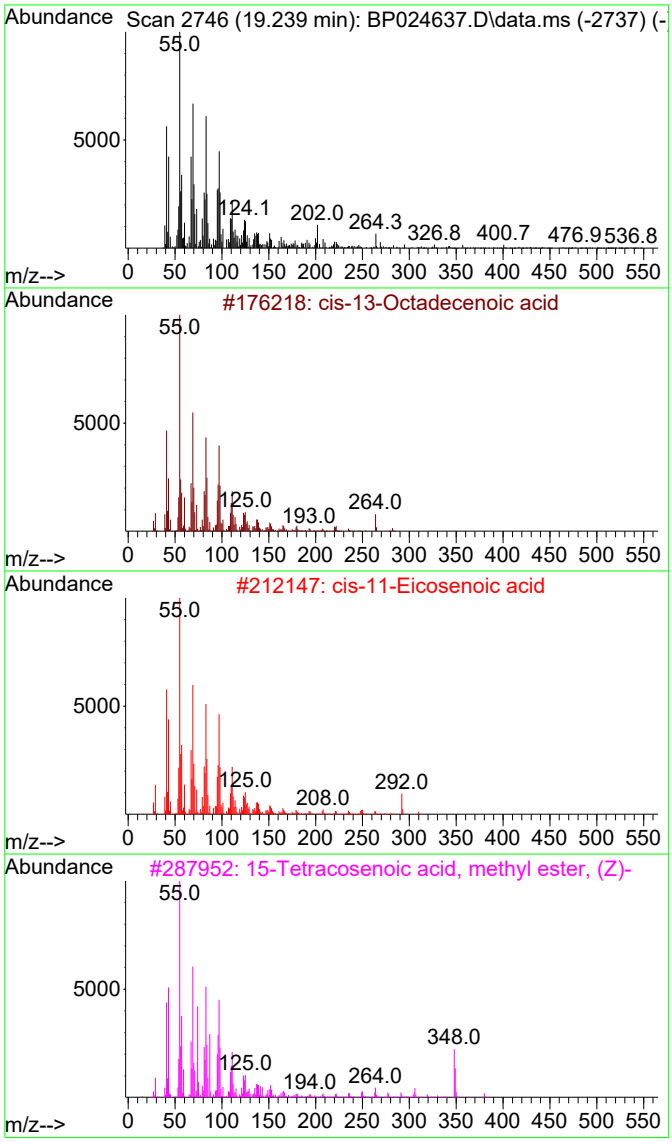
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

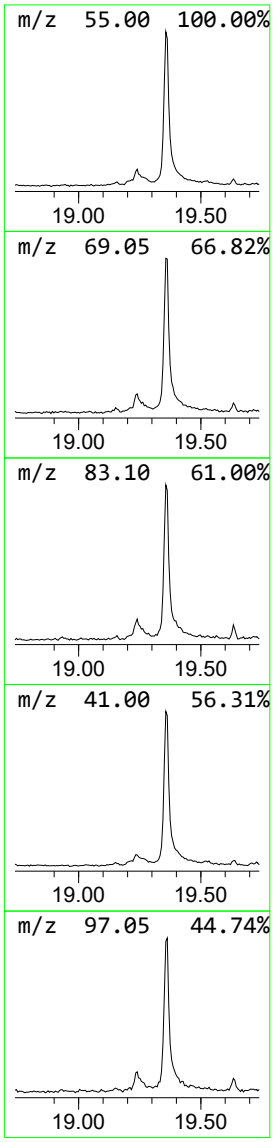
****

Peak Number 12 cis-13-Octadecenoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.239	4.72 ng	269851	Phenanthrene-d10	17.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-13-Octadecenoic acid	282	C18H34O2	013126-39-1	87
2	cis-11-Eicosenoic acid	310	C20H38O2	005561-99-9	87
3	15-Tetracosenoic acid, methyl es...	380	C25H48O2	002733-88-2	87
4	cis-10-Nonadecenoic acid	296	C19H36O2	073033-09-7	87
5	cis-13-Eicosenoic acid	310	C20H38O2	017735-94-3	87





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Data File : BP024637.D
Acq On    : 15 May 2025  14:38
Operator  : RC/JU
Sample    : Q2010-02
Misc      :
ALS Vial  : 5   Sample Multiplier: 1

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
```

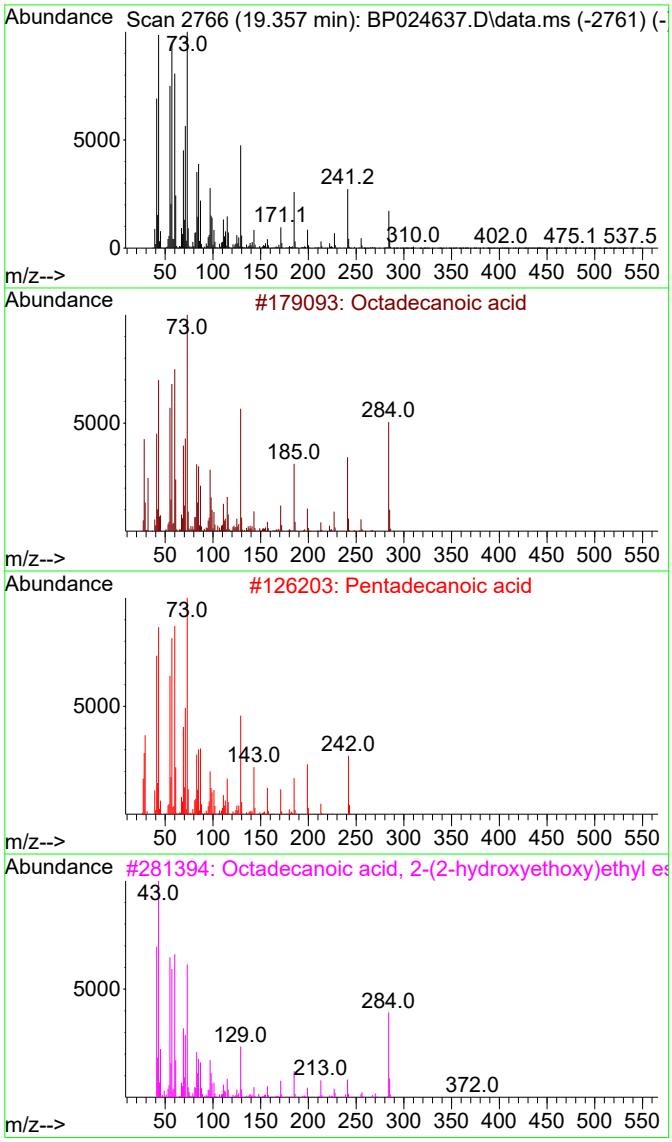
Instrument : BNA_P
ClientSampleId : TP-13

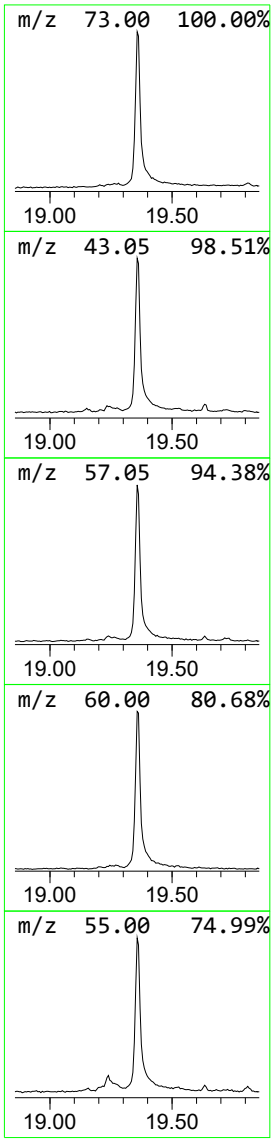
****

Peak Number 13 Octadecanoic acid, 2-(2-hyd... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.357	22.75 ng	1963240	Chrysene-d12	21.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	72
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	8-Methylnonanoic acid	172	C10H20O2	005963-14-4	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024637.D
Acq On : 15 May 2025 14:38
Operator : RC/JU
Sample : Q2010-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

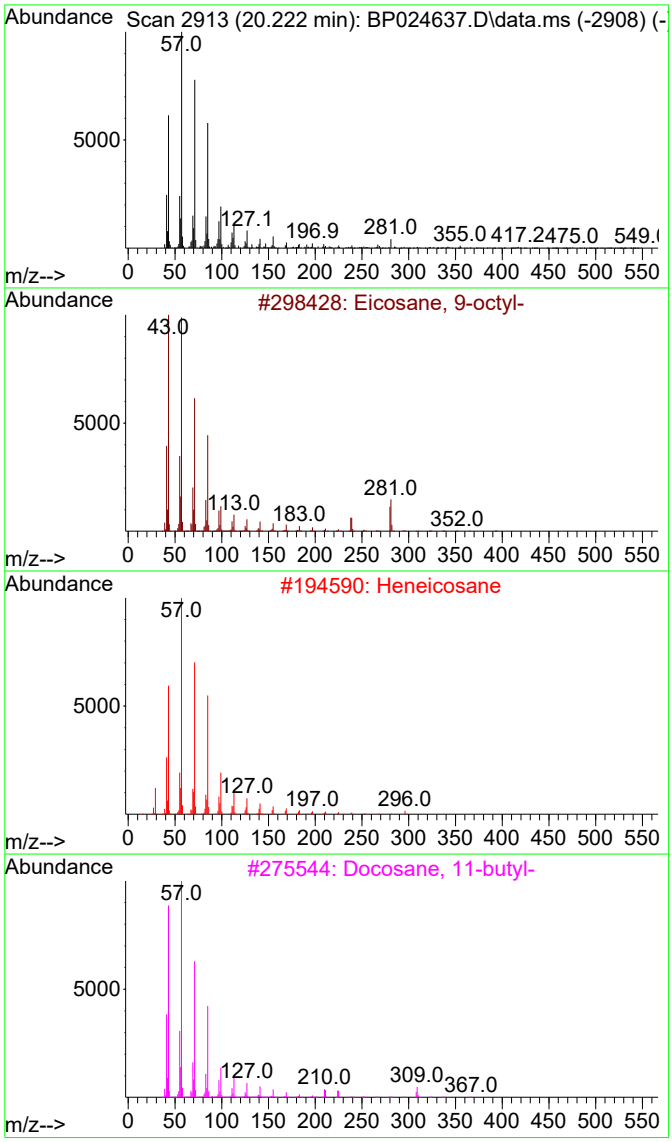
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

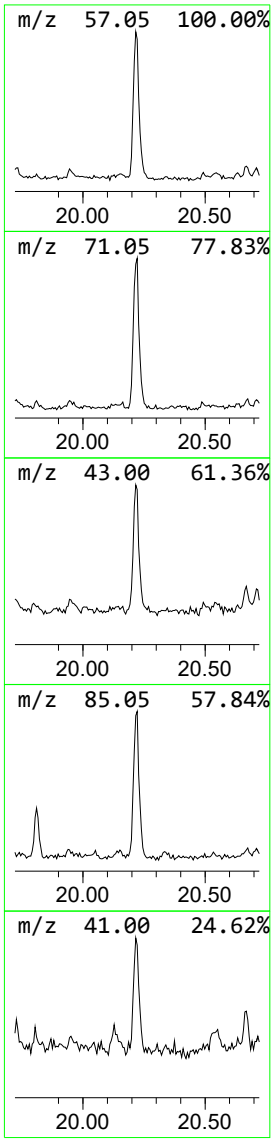
****

Peak Number 14 Eicosane, 9-octyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.222	2.12 ng	182563	Chrysene-d12	21.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 9-octyl-	394	C28H58	013475-77-9	91
2	Heneicosane	296	C21H44	000629-94-7	90
3	Docosane, 11-butyl-	366	C26H54	013475-76-8	89
4	Octadecane, 5,14-dibutyl-	366	C26H54	055282-13-8	89
5	Docosane	310	C22H46	000629-97-0	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024637.D
Acq On : 15 May 2025 14:38
Operator : RC/JU
Sample : Q2010-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

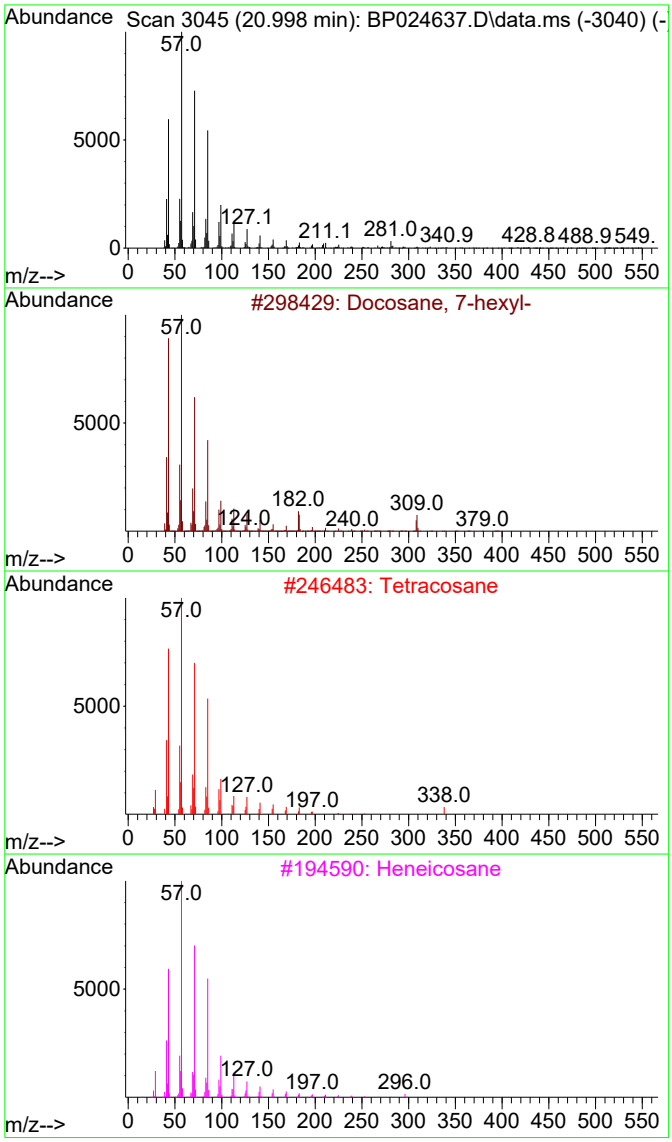
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

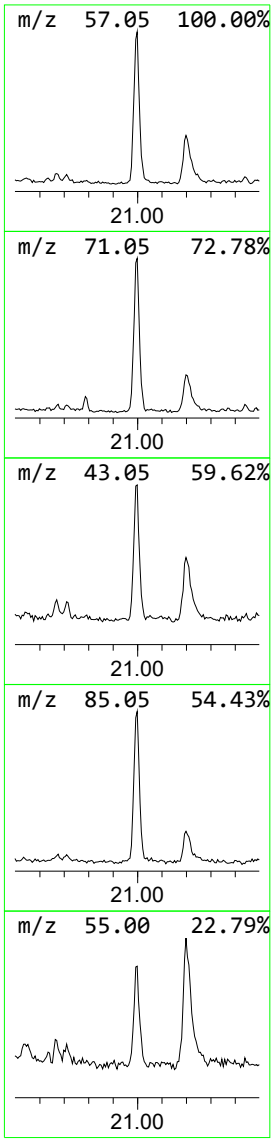
****

Peak Number 15 Docosane, 7-hexyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.998	3.09 ng	266857	Chrysene-d12	21.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane, 7-hexyl-	394	C28H58	055373-86-9	93
2	Tetracosane	338	C24H50	000646-31-1	90
3	Heneicosane	296	C21H44	000629-94-7	90
4	Triacontane, 1-iodo-	548	C30H61I	1000406-32-3	90
5	Dotriacontane, 1-iodo-	576	C32H65I	1000406-32-4	90





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Data File : BP024637.D
Acq On : 15 May 2025 14:38
Operator : RC/JU
Sample : Q2010-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

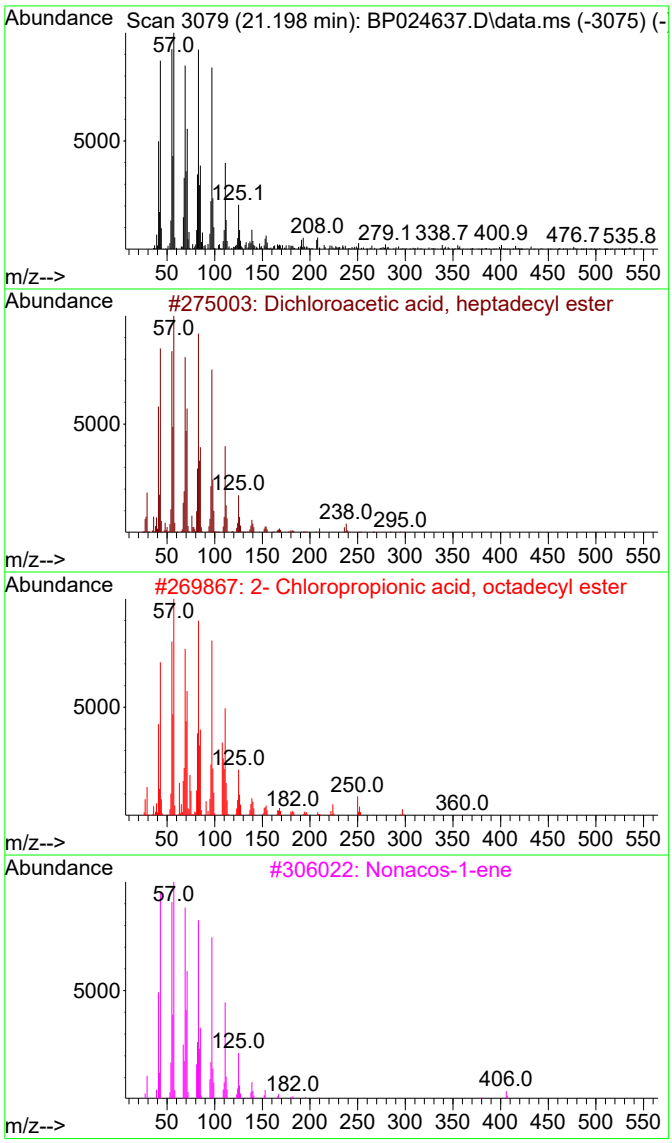
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

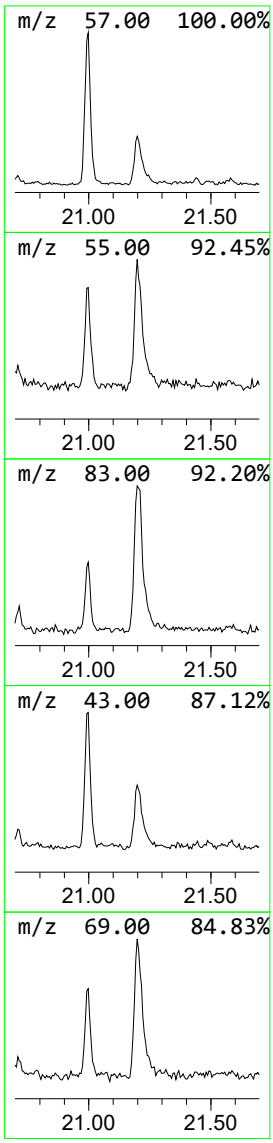
****

Peak Number 16 Dichloroacetic acid, heptad... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.198	2.69 ng	232334	Chrysene-d12	21.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	94
2	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	94
3	Nonacos-1-ene	406	C29H58	018835-35-3	94
4	Nonadecyl trifluoroacetate	380	C21H39F3O2	1000351-76-3	94
5	2- Chloropropionic acid, hexadec...	332	C19H37ClO2	086711-81-1	94





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Data File : BP024637.D
Acq On : 15 May 2025 14:38
Operator : RC/JU
Sample : Q2010-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

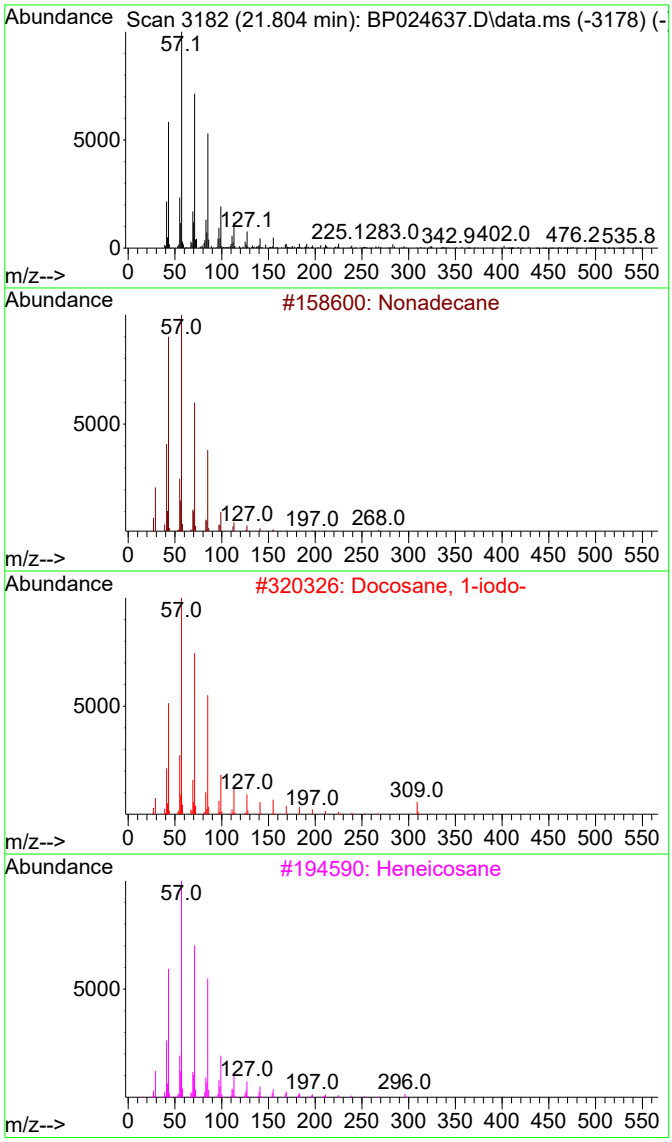
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

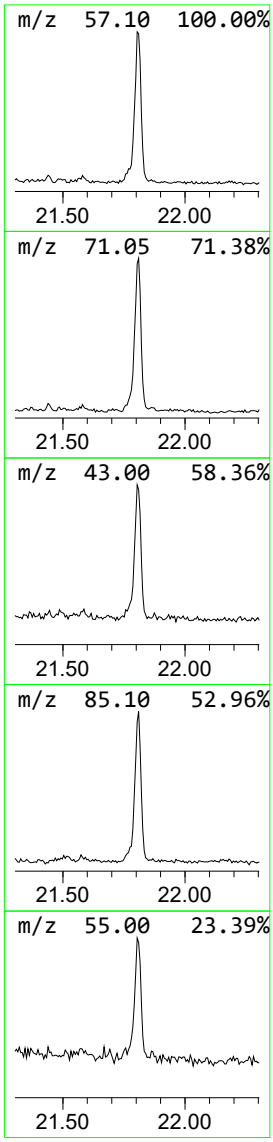
****

Peak Number 17 Nonadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.804	3.03 ng	261632	Chrysene-d12	21.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	95
2	Docosane, 1-iodo-	436	C22H45I	1000406-31-9	90
3	Heneicosane	296	C21H44	000629-94-7	90
4	Tetracosane, 1-iodo-	464	C24H49I	1000406-32-0	87
5	Tetracosane	338	C24H50	000646-31-1	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024637.D
Acq On : 15 May 2025 14:38
Operator : RC/JU
Sample : Q2010-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

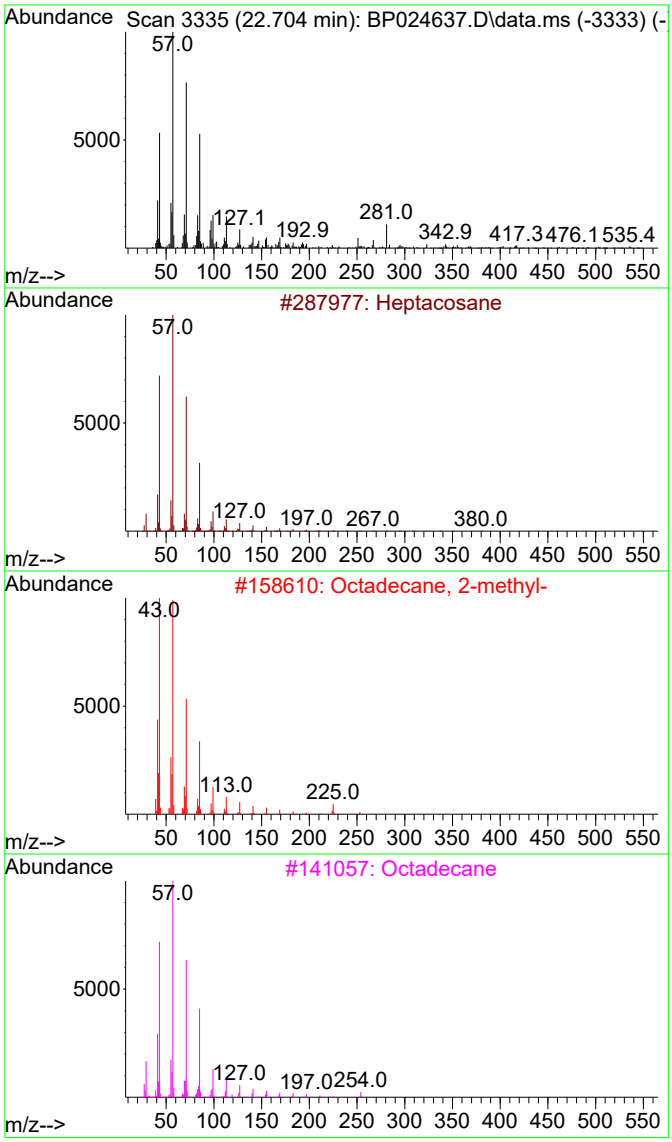
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

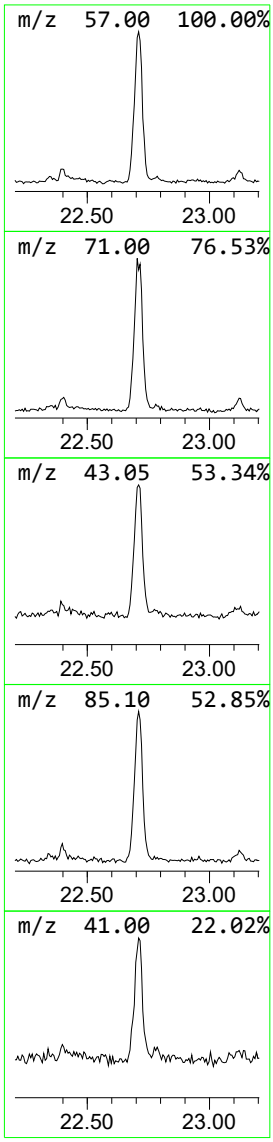
****

Peak Number 18 Heptacosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.704	2.71 ng	234199	Chrysene-d12	21.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	93
2	Octadecane, 2-methyl-	268	C19H40	001560-88-9	90
3	Octadecane	254	C18H38	000593-45-3	90
4	Pentatriacontane	493	C35H72	000630-07-9	90
5	Hexacosane	366	C26H54	000630-01-3	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024637.D
Acq On : 15 May 2025 14:38
Operator : RC/JU
Sample : Q2010-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-13

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	7.0	ng	168901	1	7.658	482484	20.0
Octadecanoic acid	13.104	2.6	ng	117666	3	14.287	903944	20.0
Pentadecanoic acid	13.298	5.7	ng	255398	3	14.287	903944	20.0
Tetradecanoic acid	13.351	9.9	ng	447928	3	14.287	903944	20.0
n-Hexadecanoic ...	13.440	52.1	ng	2353300	3	14.287	903944	20.0
unknown13.634	13.634	4.5	ng	205187	3	14.287	903944	20.0
Benzophenone	15.669	8.9	ng	403334	3	14.287	903944	20.0
(E)-4-(3-Hydrox...	16.486	4.4	ng	253810	4	17.092	1142830	20.0
Tridecanoic acid	18.033	61.1	ng	3490990	4	17.092	1142830	20.0
3,5-Dimethoxy-4...	18.316	10.4	ng	595638	4	17.092	1142830	20.0
trans-Sinapyl a...	18.375	13.9	ng	796455	4	17.092	1142830	20.0
cis-13-Octadece...	19.239	4.7	ng	269851	4	17.092	1142830	20.0
Octadecanoic ac...	19.357	22.8	ng	1963240	5	21.522	1725890	20.0
Eicosane, 9-octyl-	20.222	2.1	ng	182563	5	21.522	1725890	20.0
Docosane, 7-hexyl-	20.998	3.1	ng	266857	5	21.522	1725890	20.0
Dichloroacetic ...	21.198	2.7	ng	232334	5	21.522	1725890	20.0
Nonadecane	21.804	3.0	ng	261632	5	21.522	1725890	20.0
Heptacosane	22.704	2.7	ng	234199	5	21.522	1725890	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142397.D
Acq On : 15 May 2025 17:42
Operator : RC/JU
Sample : Q2010-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-14

Quant Time: May 15 18:24:58 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

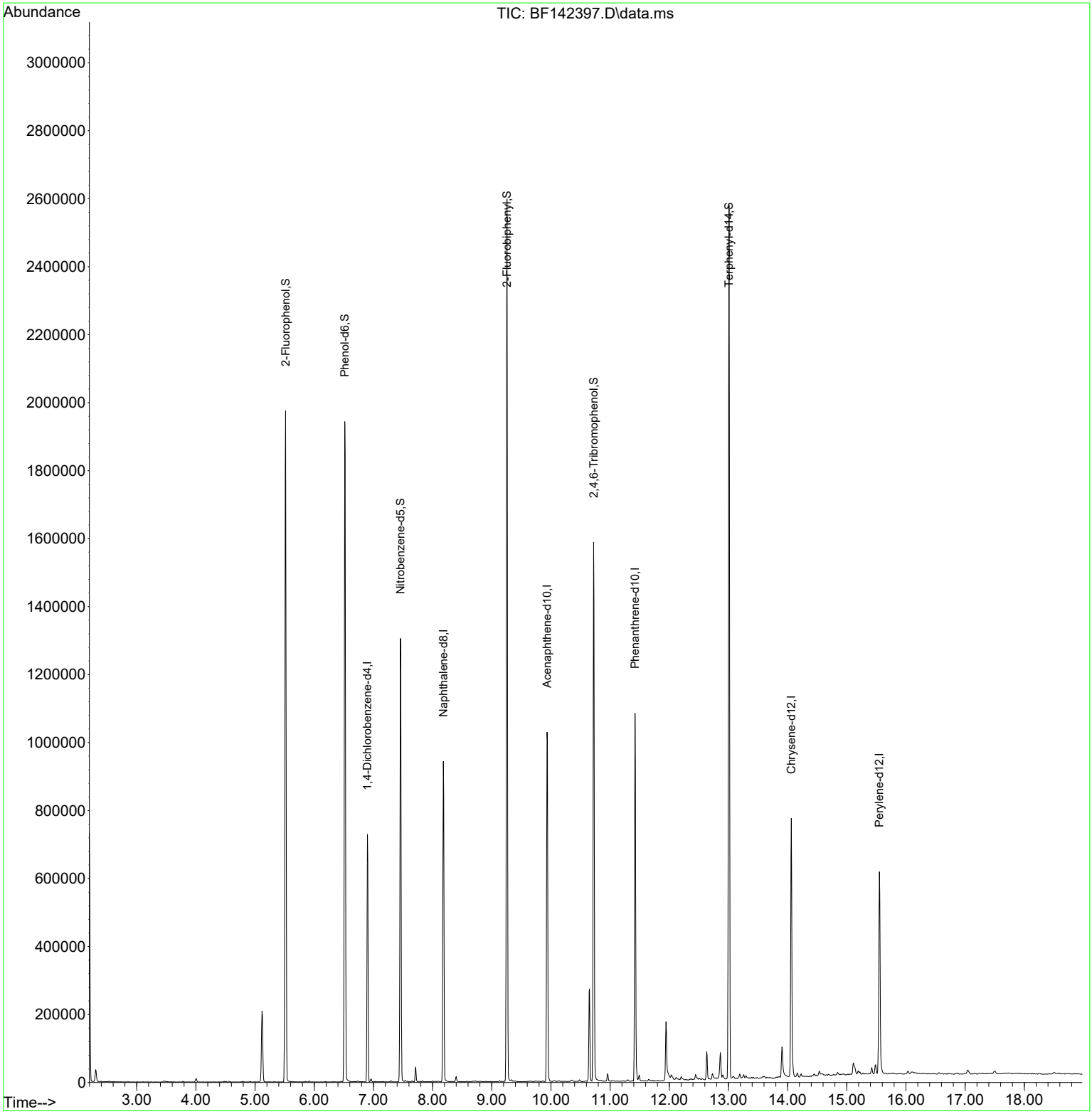
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	157964	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	599494	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	318296	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	558784	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	352816	20.000	ng	0.00
86) Perylene-d12	15.551	264	355002	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	766128	82.794	ng	0.00
7) Phenol-d6	6.516	99	932423	81.928	ng	0.00
23) Nitrobenzene-d5	7.457	82	545457	55.490	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	286928	93.368	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1167036	52.280	ng	0.00
79) Terphenyl-d14	13.010	244	1241477	52.081	ng	0.00
Target Compounds						Qvalue

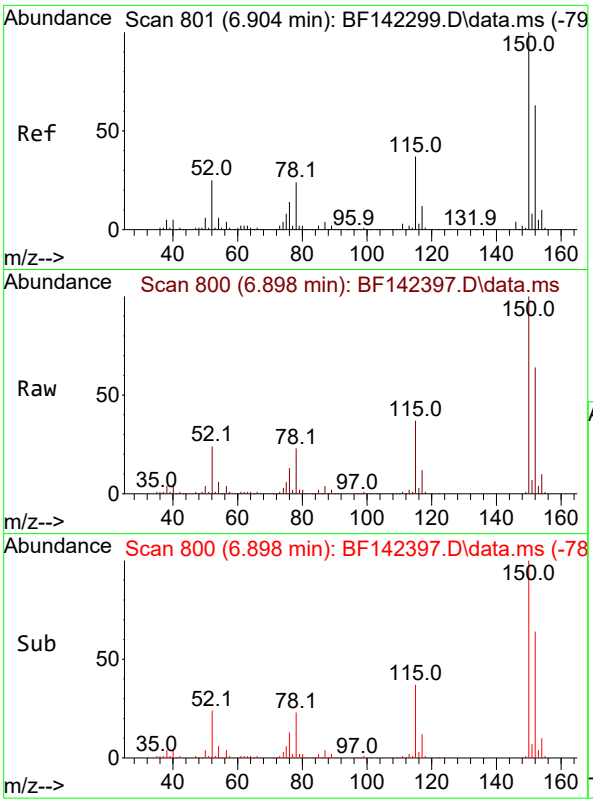
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142397.D
Acq On : 15 May 2025 17:42
Operator : RC/JU
Sample : Q2010-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-14

Quant Time: May 15 18:24:58 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



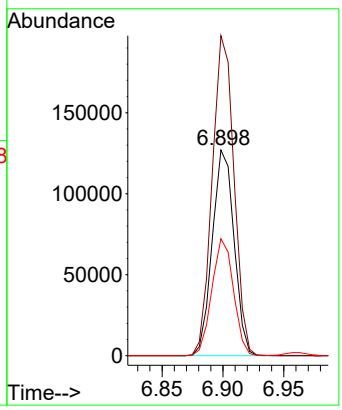


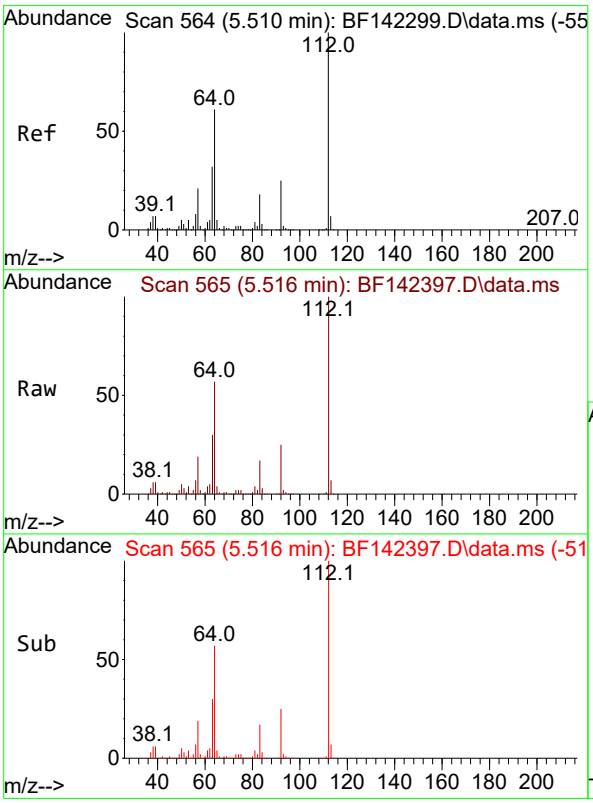
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

Instrument :
BNA_F
ClientSampleId :
TP-14

Tgt Ion:152 Resp: 157964

Ion	Ratio	Lower	Upper
152	100		
150	155.7	126.6	190.0
115	56.9	47.3	70.9

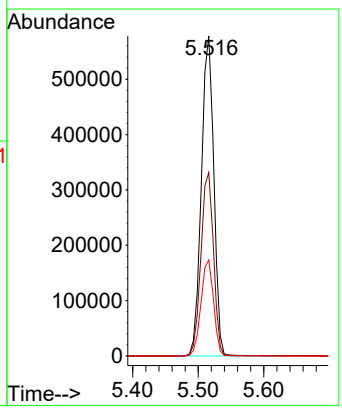


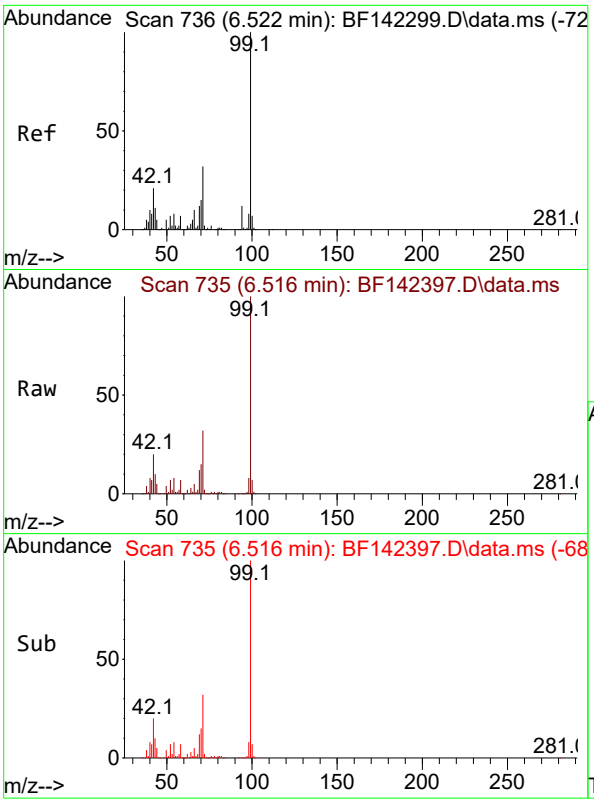


#5
2-Fluorophenol
Concen: 82.794 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

Tgt Ion:112 Resp: 766128

Ion	Ratio	Lower	Upper
112	100		
64	57.3	48.9	73.3
63	30.0	25.6	38.4



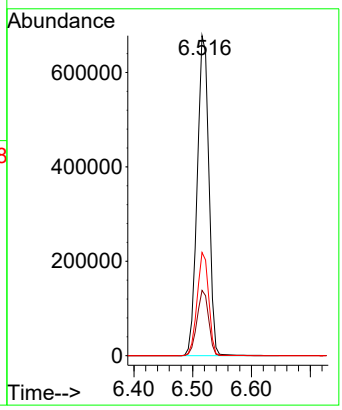


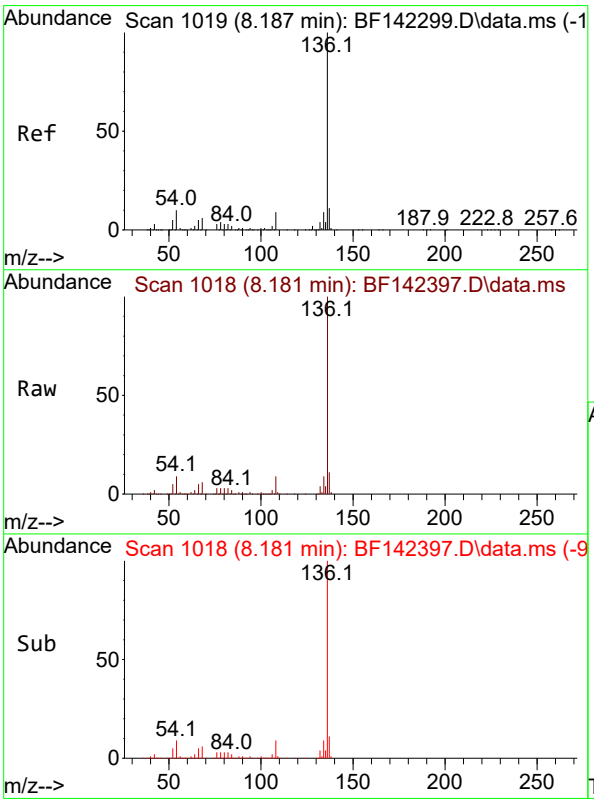
#7
Phenol-d6
Concen: 81.928 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

Instrument :
BNA_F
ClientSampleId :
TP-14

Tgt Ion: 99 Resp: 932423

Ion	Ratio	Lower	Upper
99	100		
42	20.4	17.0	25.4
71	32.2	25.8	38.8

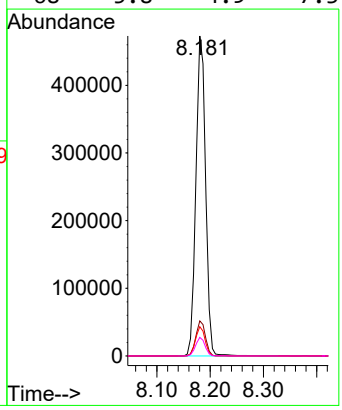


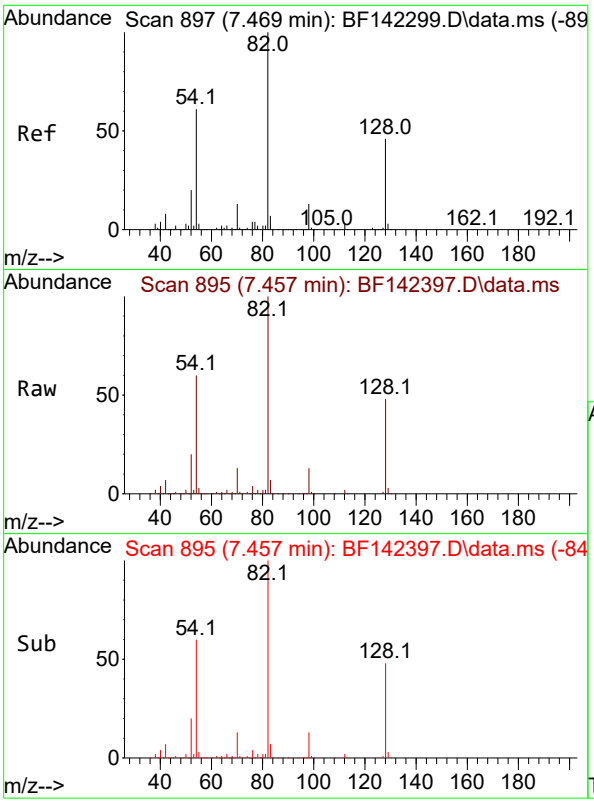


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

Tgt Ion:136 Resp: 599494

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.2	7.7	11.5
68	5.8	4.9	7.3



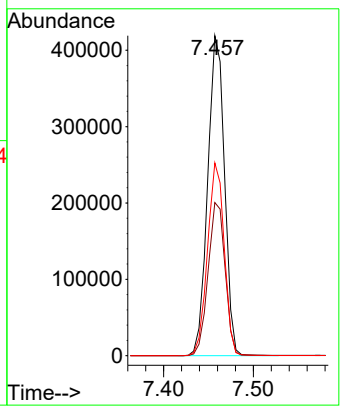


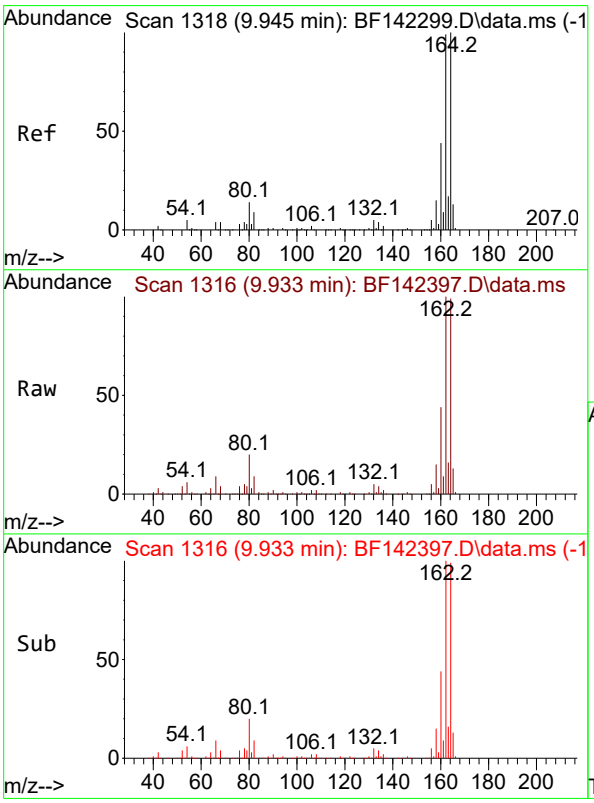
#23
Nitrobenzene-d5
Concen: 55.490 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

Instrument :
BNA_F
ClientSampleId :
TP-14

Tgt Ion: 82 Resp: 545457

Ion	Ratio	Lower	Upper
82	100		
128	47.9	37.0	55.6
54	60.3	48.6	73.0

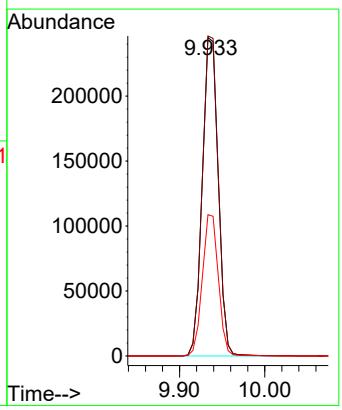


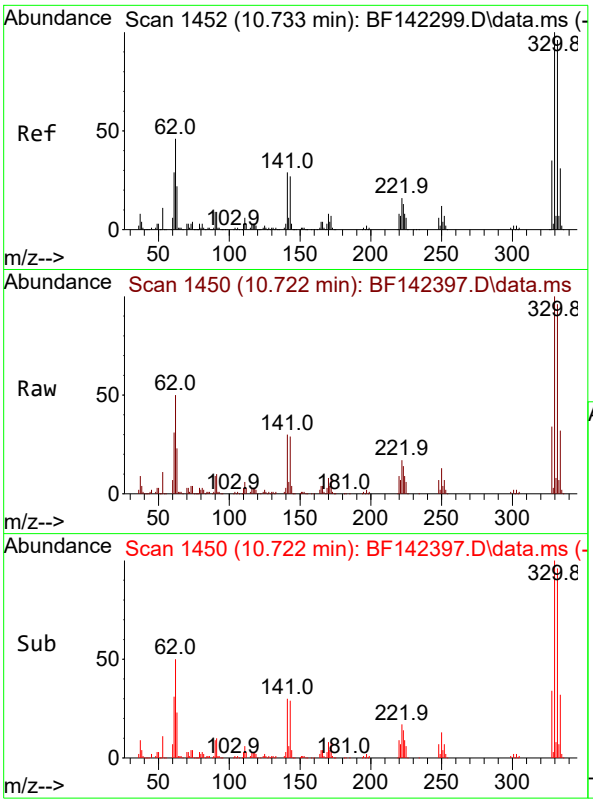


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

Tgt Ion:164 Resp: 318296

Ion	Ratio	Lower	Upper
164	100		
162	100.5	79.2	118.8
160	44.4	35.3	52.9



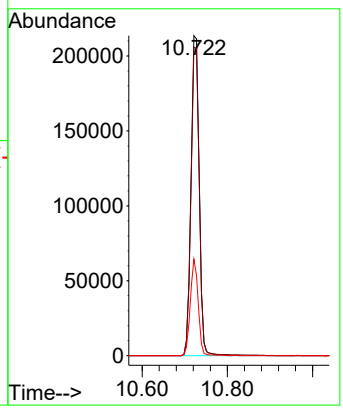


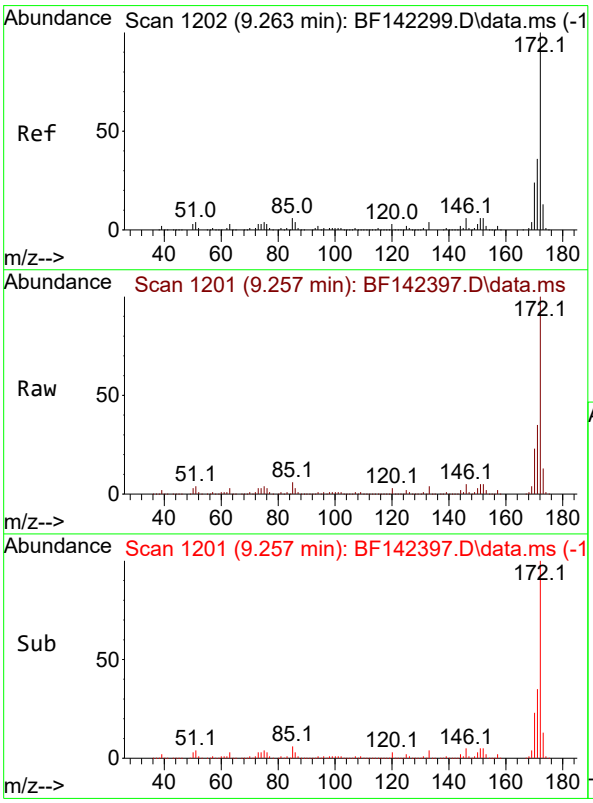
#42
2,4,6-Tribromophenol
Concen: 93.368 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

Instrument :
BNA_F
ClientSampleId :
TP-14

Tgt Ion:330 Resp: 286928

Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.8	115.2
141	28.9	24.9	37.3

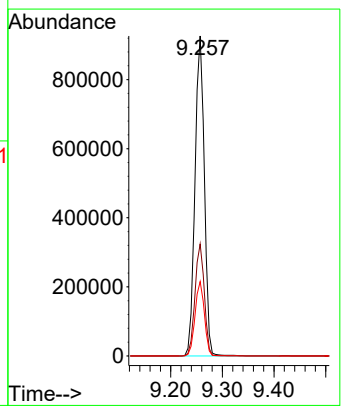


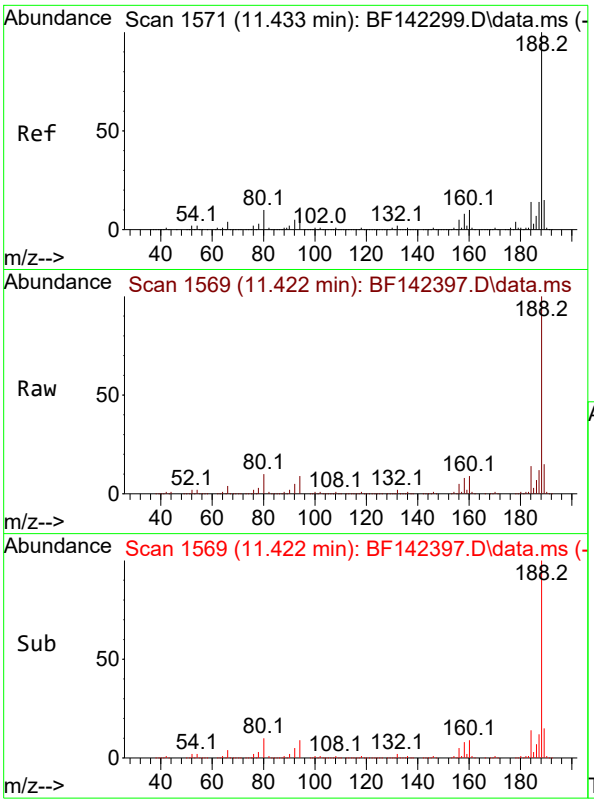


#45
2-Fluorobiphenyl
Concen: 52.280 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

Tgt Ion:172 Resp: 1167036

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.6	42.8
170	23.3	19.0	28.4



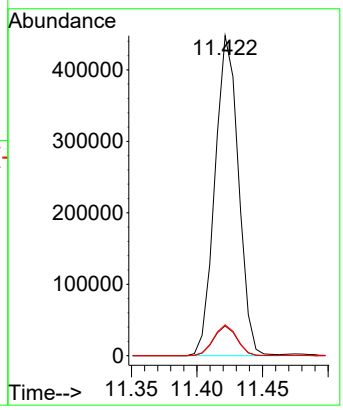


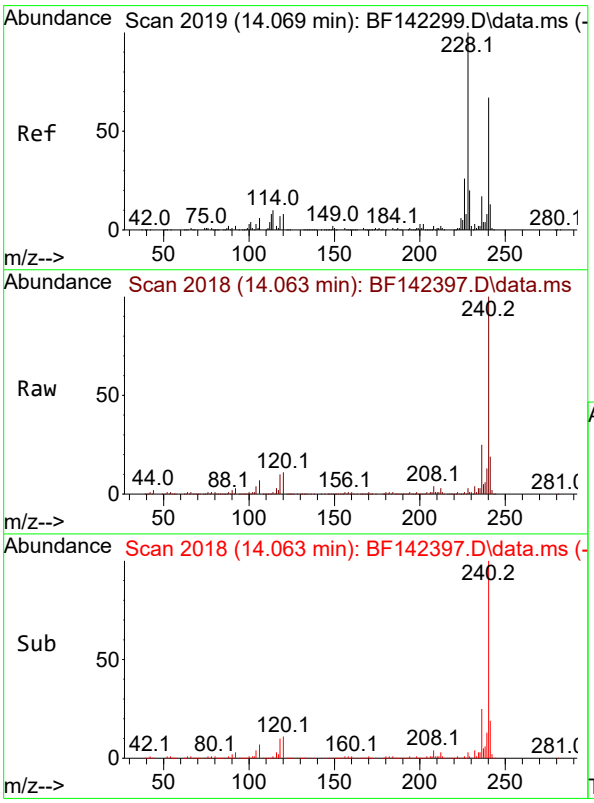
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

Instrument :
BNA_F
ClientSampleId :
TP-14

Tgt Ion:188 Resp: 558784

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.5	11.3
80	9.7	7.9	11.9

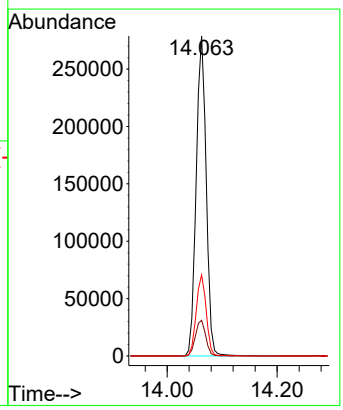


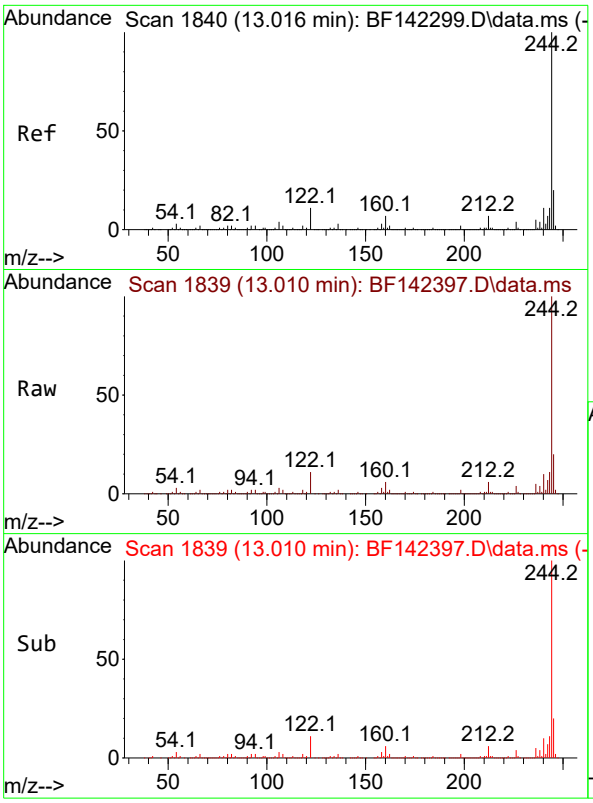


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

Tgt Ion:240 Resp: 352816

Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.7	14.5
236	25.4	20.0	30.0



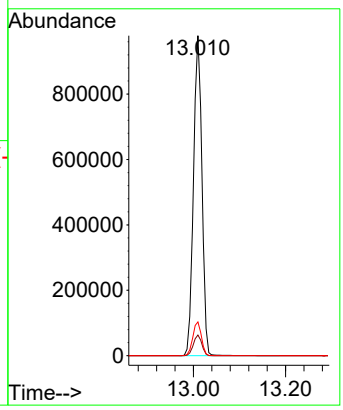


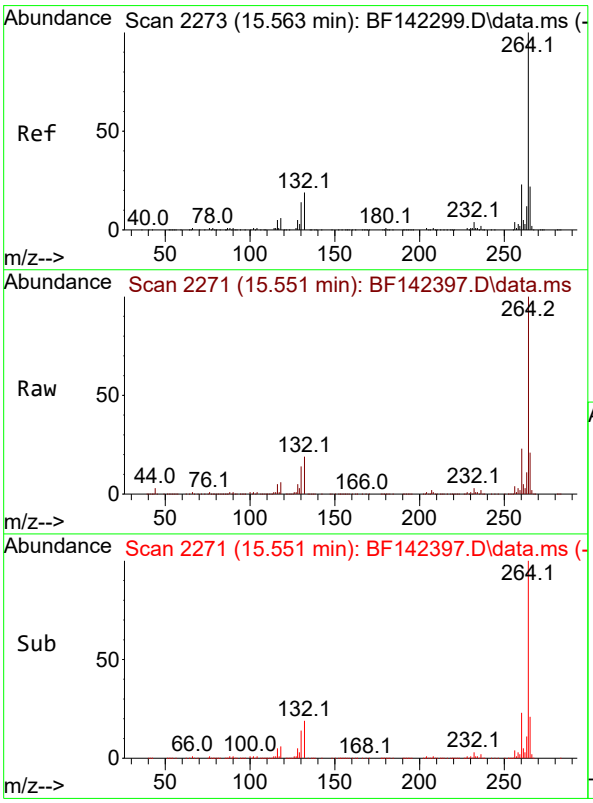
#79
Terphenyl-d14
Concen: 52.081 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

Instrument :
BNA_F
ClientSampleId :
TP-14

Tgt Ion:244 Resp: 1241477

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.2
122	10.6	9.0	13.4

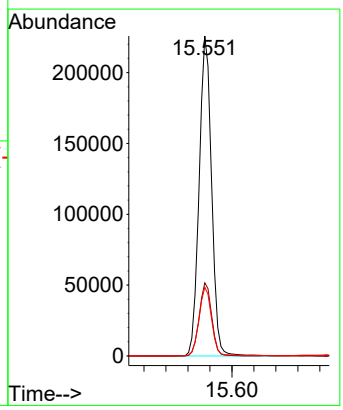




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

Tgt Ion:264 Resp: 355002

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.6	27.8
265	21.5	17.5	26.3



Sample Results: **BF142397.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142397.D
Acq On : 15 May 2025 17:42
Operator : RC/JU
Sample : Q2010-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-14

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: BF142397.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.304	13	19	28	rVB2	34268	56078	1.72%	0.234%
2	5.116	488	497	507	rBV	208110	319965	9.83%	1.336%
3	5.516	558	565	570	rBV	1975709	2629016	80.75%	10.978%
4	6.516	729	735	741	rBV	1941954	2690767	82.64%	11.236%
5	6.898	795	800	805	rBV	728162	897177	27.56%	3.746%
6	7.457	889	895	900	rBV	1304504	1697402	52.13%	7.088%
7	7.710	934	938	948	rBV	41797	53459	1.64%	0.223%
8	8.181	1013	1018	1034	rBV	942564	1186935	36.45%	4.956%
9	9.257	1195	1201	1206	rBV	2596299	3255938	100.00%	13.596%
10	9.933	1311	1316	1326	rBV	1027825	1335311	41.01%	5.576%
11	10.651	1432	1438	1445	rBV	271724	347235	10.66%	1.450%
12	10.722	1445	1450	1465	rBV	1585918	2060625	63.29%	8.604%
13	11.422	1564	1569	1577	rBV	1082518	1381355	42.43%	5.768%
14	11.945	1651	1658	1670	rBV3	173367	294656	9.05%	1.230%
15	12.633	1770	1775	1781	rBV	82929	109095	3.35%	0.456%
16	12.863	1808	1814	1818	rBV	74657	105688	3.25%	0.441%
17	13.010	1833	1839	1844	rBV	2568444	3253703	99.93%	13.586%
18	13.904	1986	1991	2008	rBV	89476	167800	5.15%	0.701%
19	14.063	2012	2018	2028	rVB	759692	1042295	32.01%	4.352%
20	15.110	2192	2196	2206	rBV	32131	77323	2.37%	0.323%
21	15.486	2255	2260	2265	rBV	26295	41047	1.26%	0.171%
22	15.551	2265	2271	2285	rVB	593846	945636	29.04%	3.949%

Sum of corrected areas: 23948506

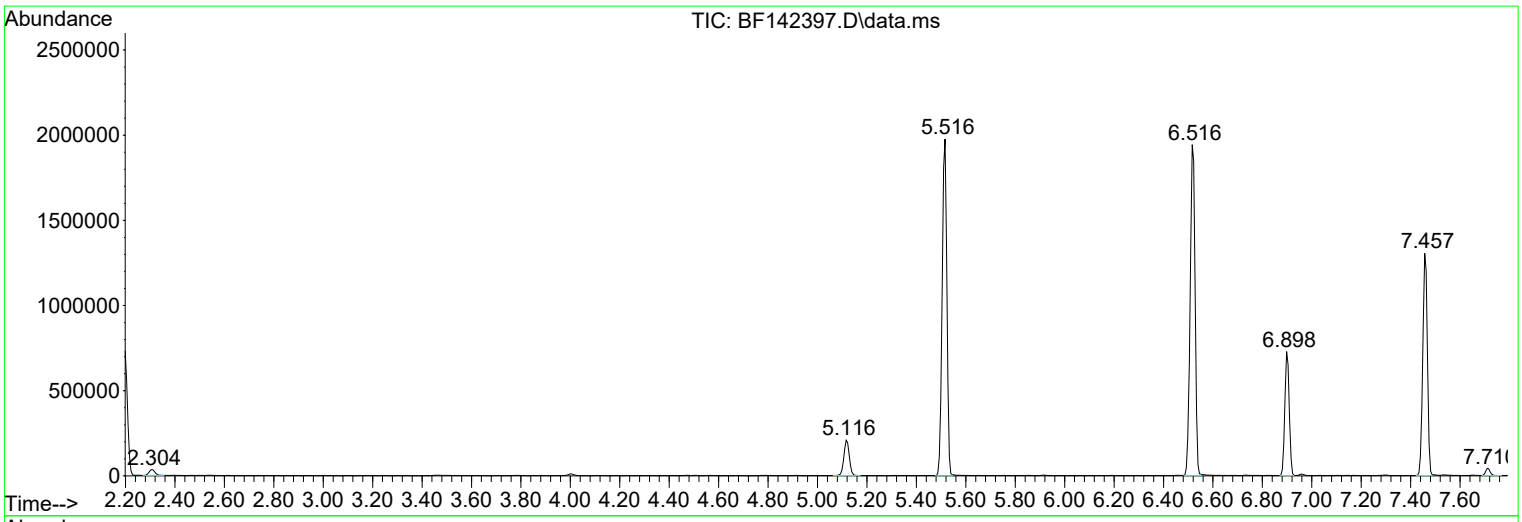
Sample Results: **BF142397.D**

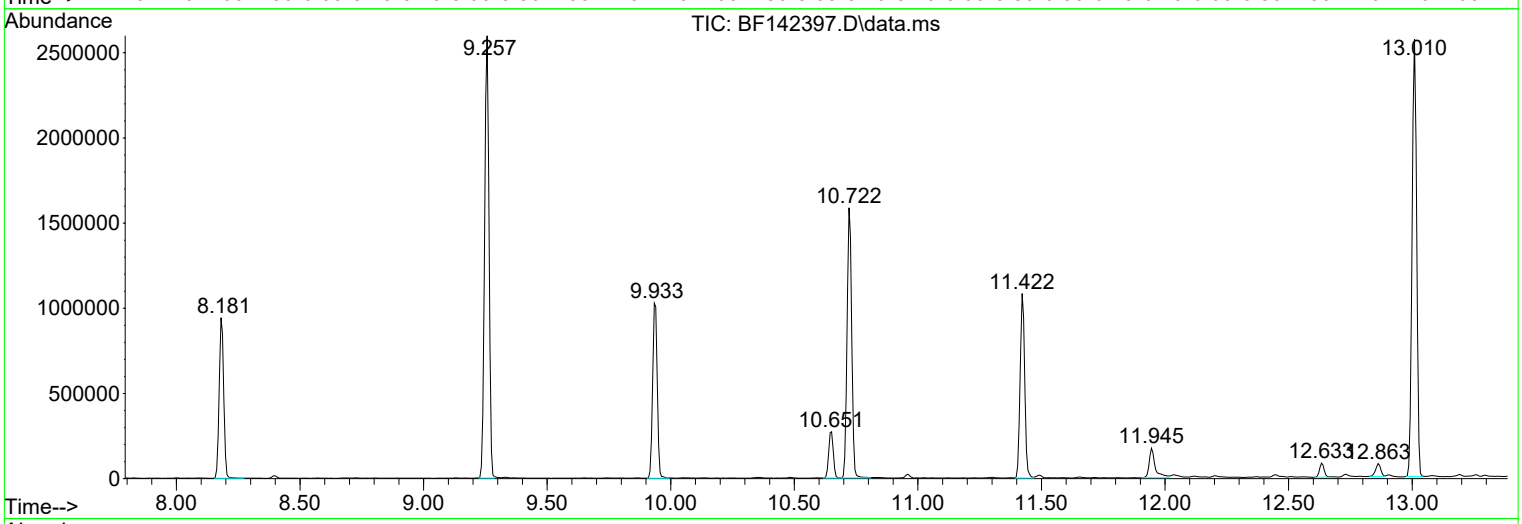
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142397.D
Acq On : 15 May 2025 17:42
Operator : RC/JU
Sample : Q2010-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

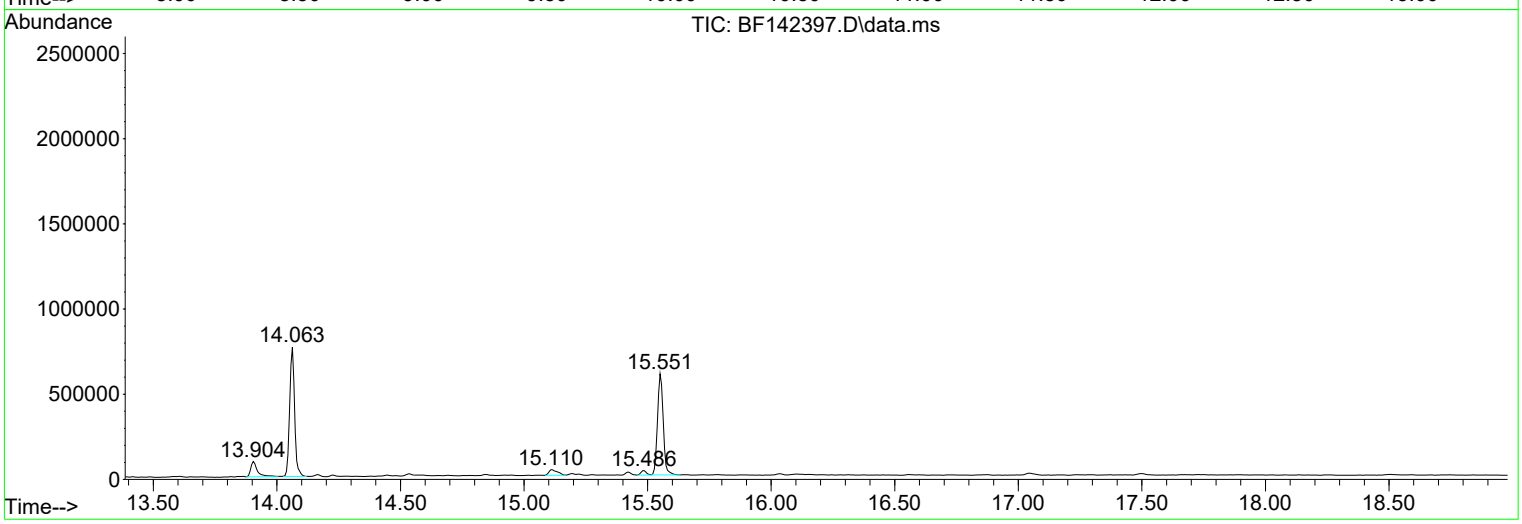
Instrument :
BNA_F
ClientSampleId :
TP-14

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 : BF142397.D
Acq On : 15 May 2025 17:42
Operator : RC/JU
Sample : Q2010-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-14

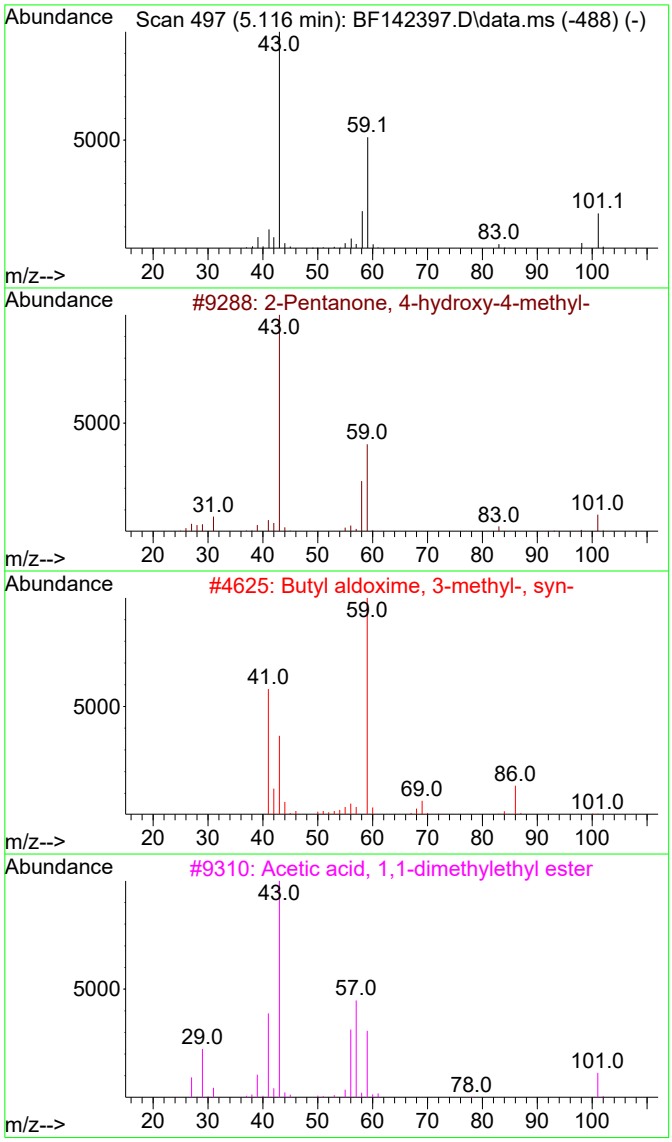
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

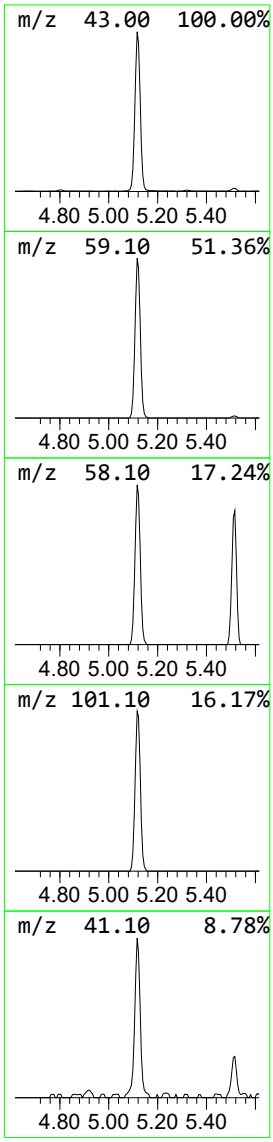
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.116	7.13 ng	319965	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	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	32
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142397.D
Acq On : 15 May 2025 17:42
Operator : RC/JU
Sample : Q2010-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-14

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

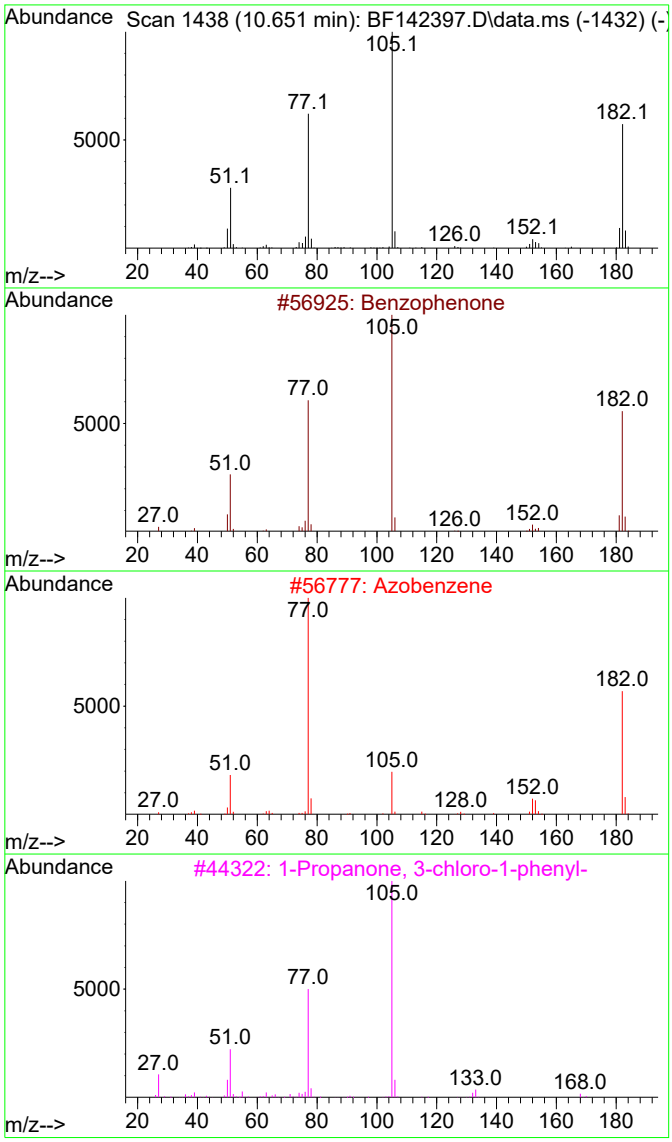
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

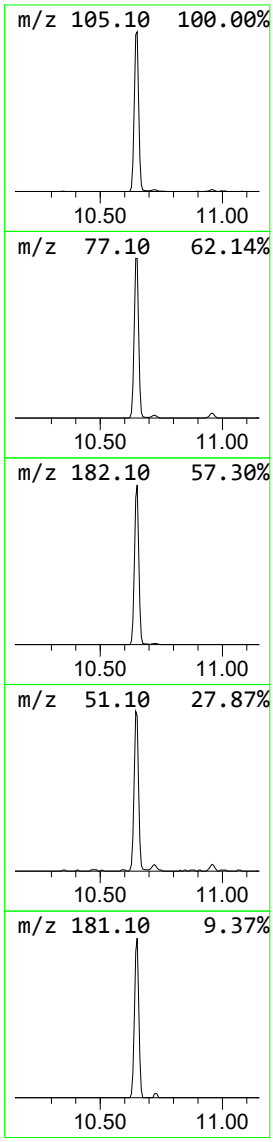
****

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.651	5.20 ng	347235	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	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47
4	2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	47
5	1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142397.D
Acq On : 15 May 2025 17:42
Operator : RC/JU
Sample : Q2010-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-14

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

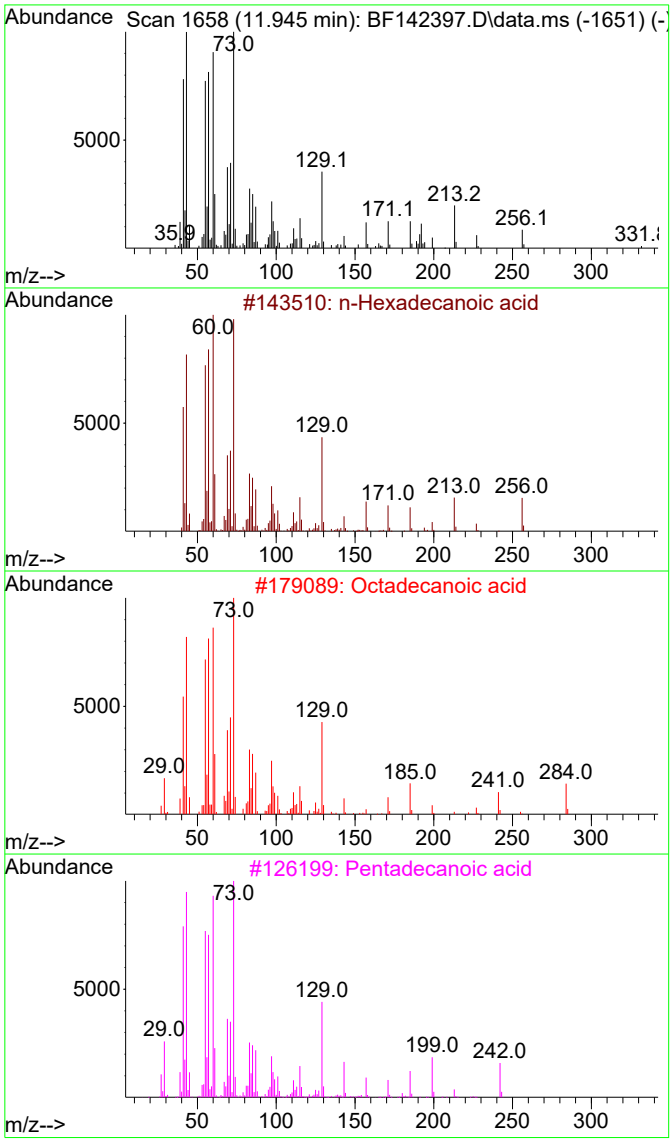
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

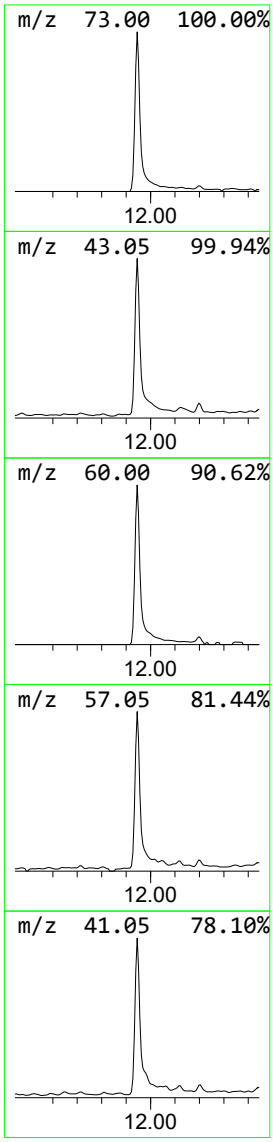
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	4.27 ng	294656	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	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tridecanoic acid	214	C13H26O2	000638-53-9	87
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142397.D
Acq On : 15 May 2025 17:42
Operator : RC/JU
Sample : Q2010-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-14

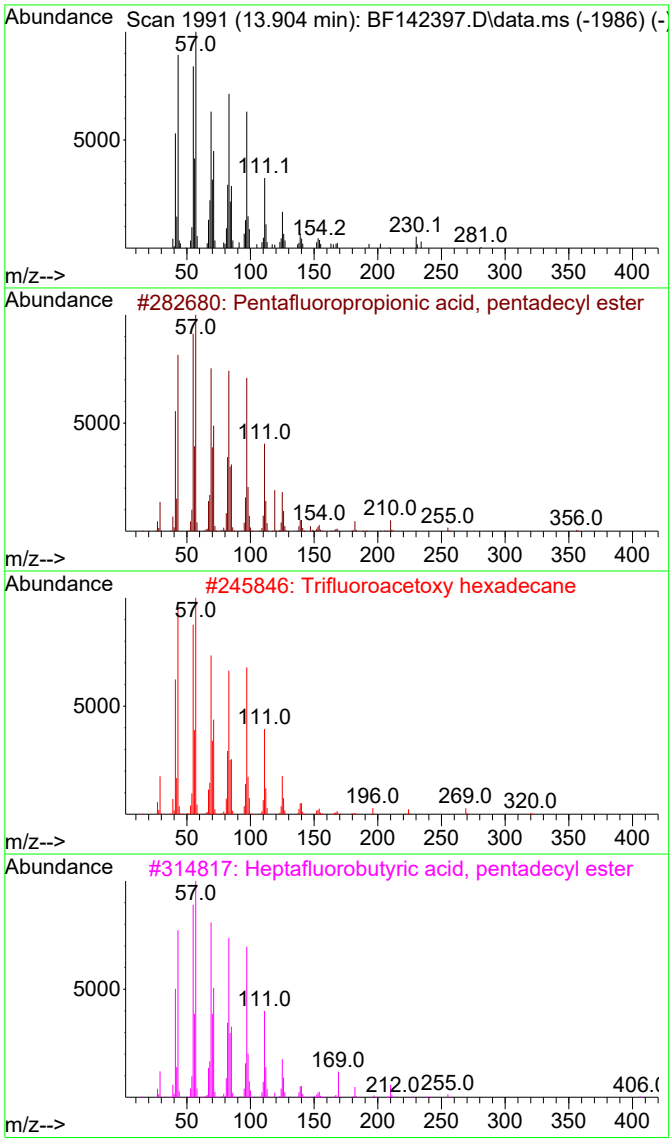
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

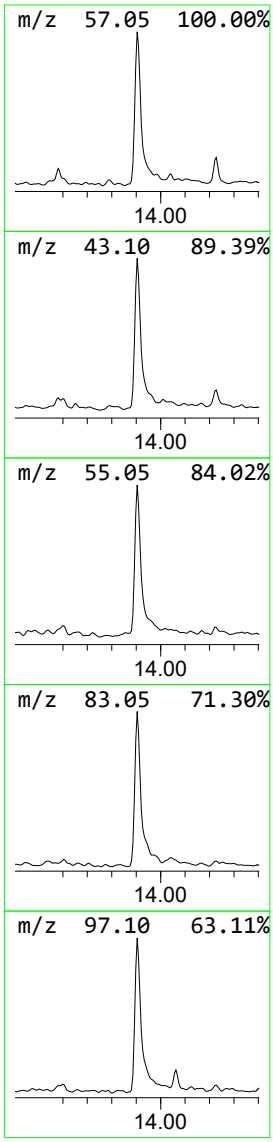
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Pentafluoropropionic acid, ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	3.22 ng	167800	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	95
2	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	95
3	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	95
4	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	94
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94





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Data File : BF142397.D
Acq On : 15 May 2025 17:42
Operator : RC/JU
Sample : Q2010-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-14

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	7.1	ng	319965	1	6.898	897177	20.0
Benzophenone	10.651	5.2	ng	347235	3	9.933	1335310	20.0
n-Hexadecanoic ...	11.945	4.3	ng	294656	4	11.422	1381360	20.0
Pentafluoroprop...	13.904	3.2	ng	167800	5	14.063	1042300	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142398.D
Acq On : 15 May 2025 18:11
Operator : RC/JU
Sample : Q2010-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-17

Quant Time: May 15 18:29:40 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

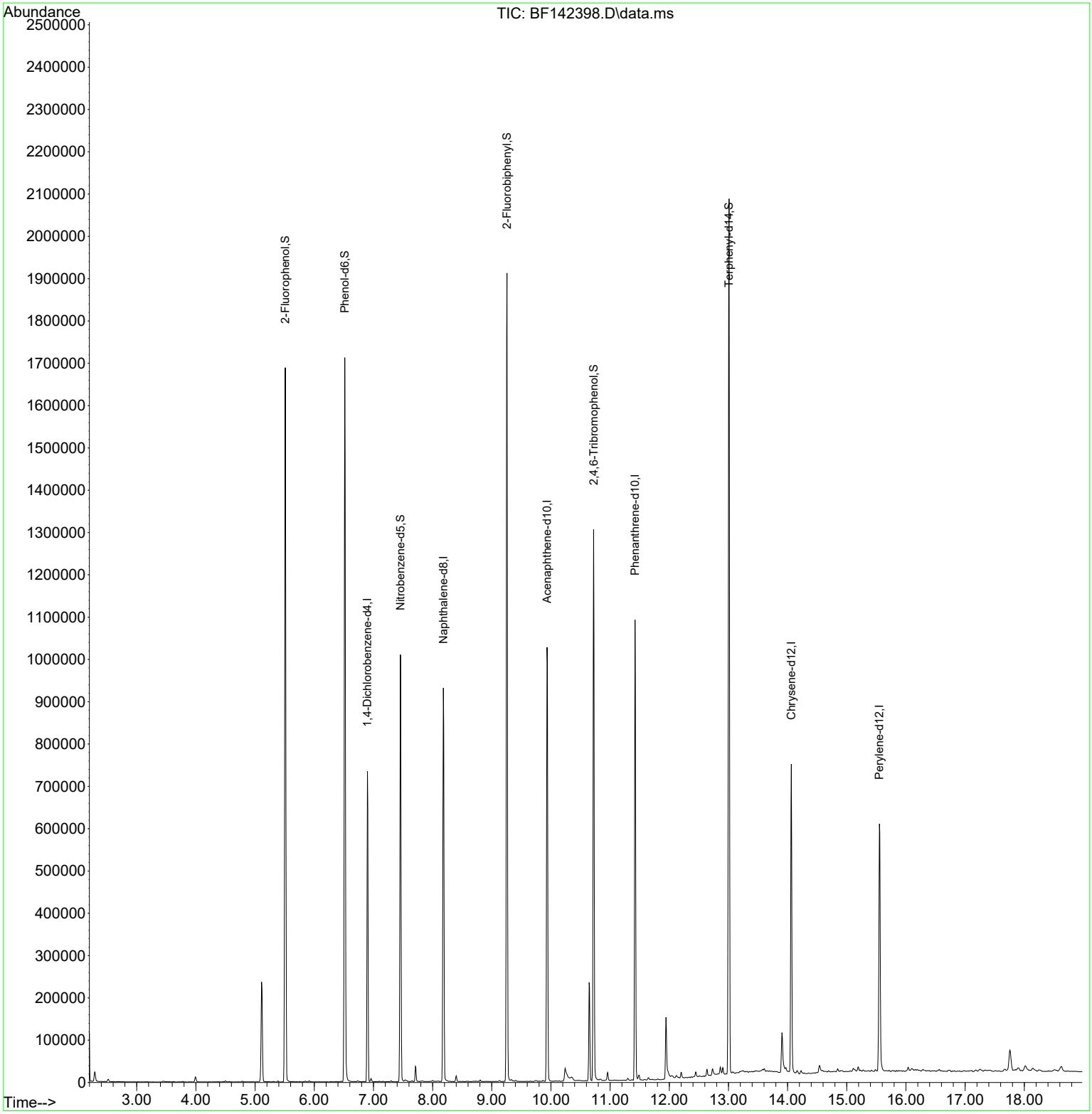
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	157195	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	594153	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	319877	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	556086	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	351534	20.000	ng	0.00
86) Perylene-d12	15.551	264	349296	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	632420	68.678	ng	0.00
7) Phenol-d6	6.516	99	788406	69.612	ng	0.00
23) Nitrobenzene-d5	7.457	82	407376	41.815	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	230339	74.583	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	863592	38.495	ng	0.00
79) Terphenyl-d14	13.010	244	1026362	43.214	ng	0.00
Target Compounds						Qvalue

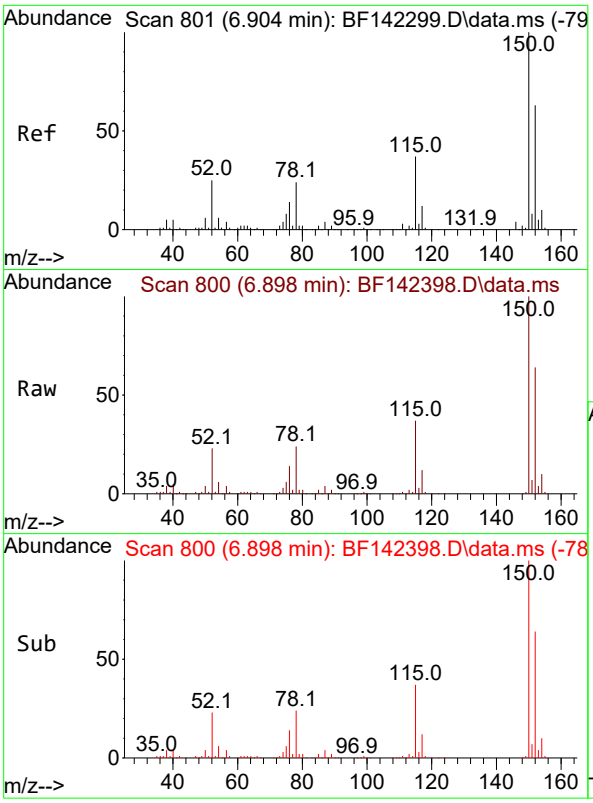
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142398.D
Acq On : 15 May 2025 18:11
Operator : RC/JU
Sample : Q2010-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-17

Quant Time: May 15 18:29:40 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



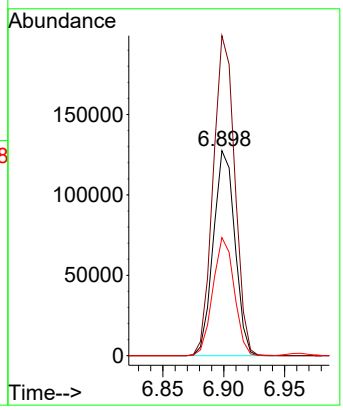


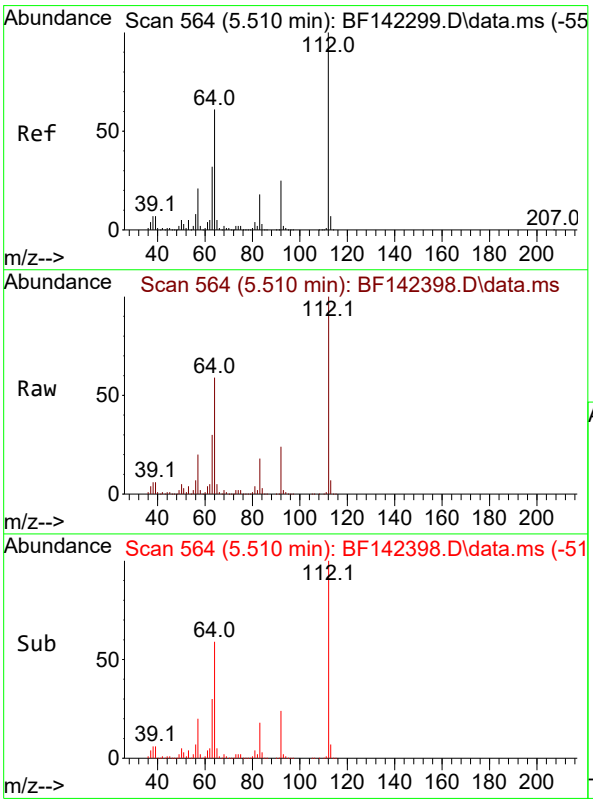
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142398.D
Acq: 15 May 2025 18:11

Instrument :
BNA_F
ClientSampleId :
TP-17

Tgt Ion:152 Resp: 157195

Ion	Ratio	Lower	Upper
152	100		
150	156.2	126.6	190.0
115	57.6	47.3	70.9

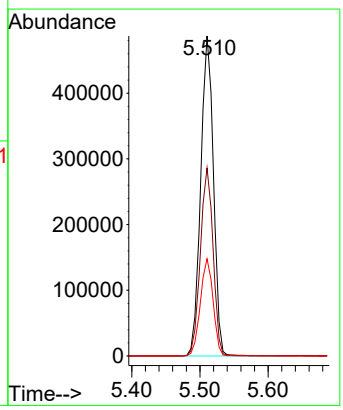


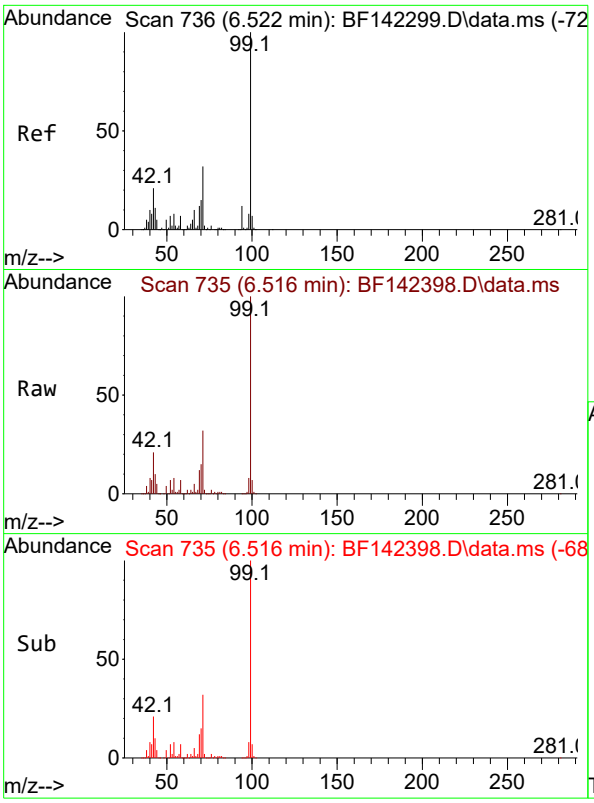


#5
2-Fluorophenol
Concen: 68.678 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF142398.D
Acq: 15 May 2025 18:11

Tgt Ion:112 Resp: 632420

Ion	Ratio	Lower	Upper
112	100		
64	58.8	48.9	73.3
63	30.3	25.6	38.4



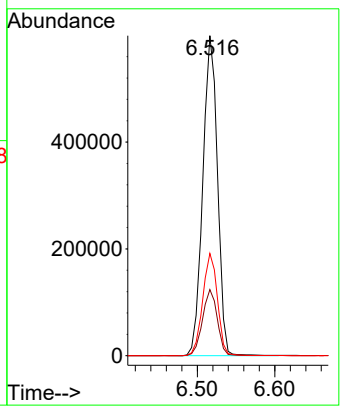


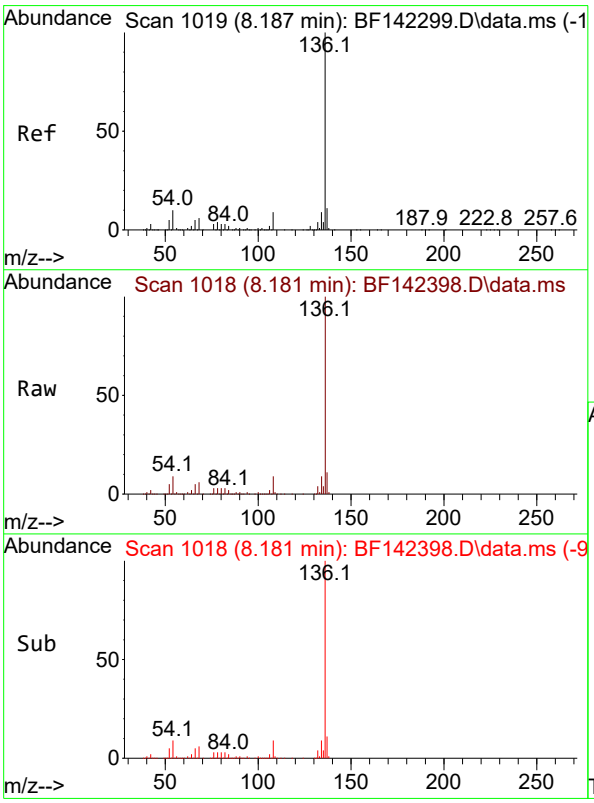
#7
Phenol-d6
Concen: 69.612 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142398.D
Acq: 15 May 2025 18:11

Instrument :
BNA_F
ClientSampleId :
TP-17

Tgt Ion: 99 Resp: 788406

Ion	Ratio	Lower	Upper
99	100		
42	20.7	17.0	25.4
71	31.9	25.8	38.8

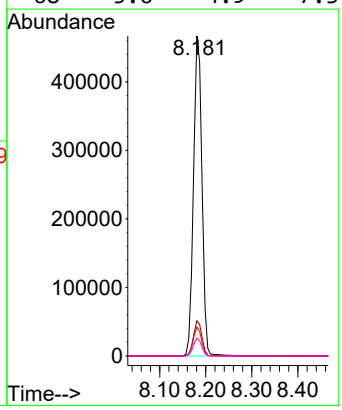


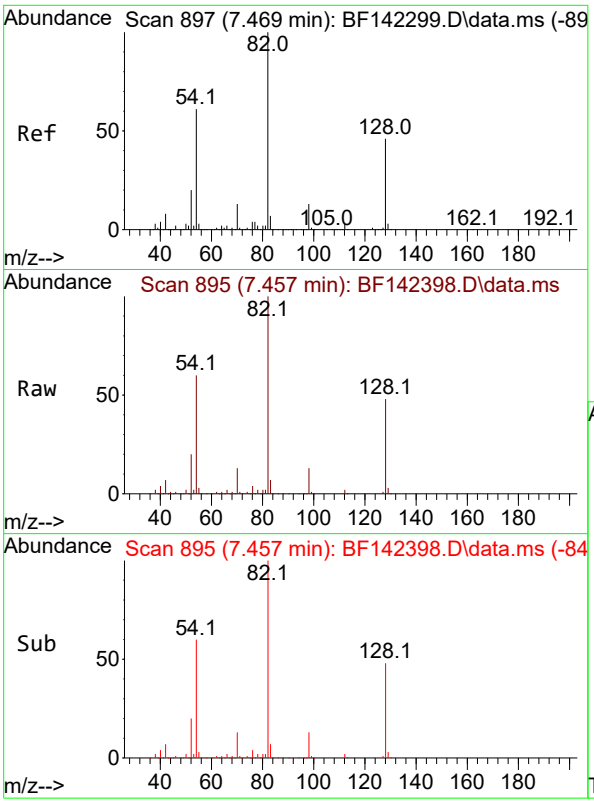


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142398.D
Acq: 15 May 2025 18:11

Tgt Ion:136 Resp: 594153

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.0	7.7	11.5
68	5.6	4.9	7.3



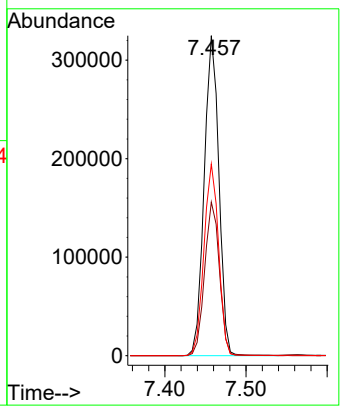


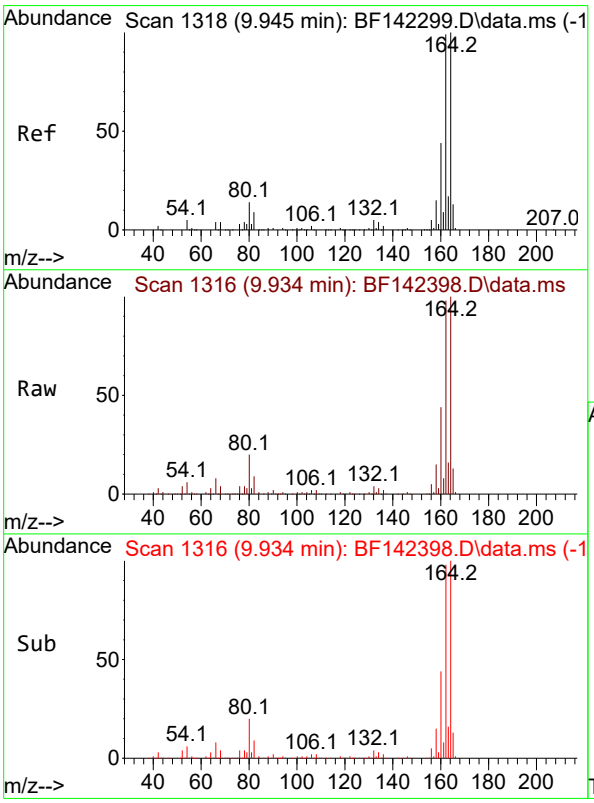
#23
Nitrobenzene-d5
Concen: 41.815 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142398.D
Acq: 15 May 2025 18:11

Instrument :
BNA_F
ClientSampleId :
TP-17

Tgt Ion: 82 Resp: 407376

Ion	Ratio	Lower	Upper
82	100		
128	48.0	37.0	55.6
54	59.9	48.6	73.0

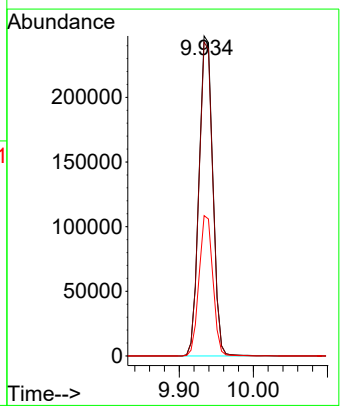


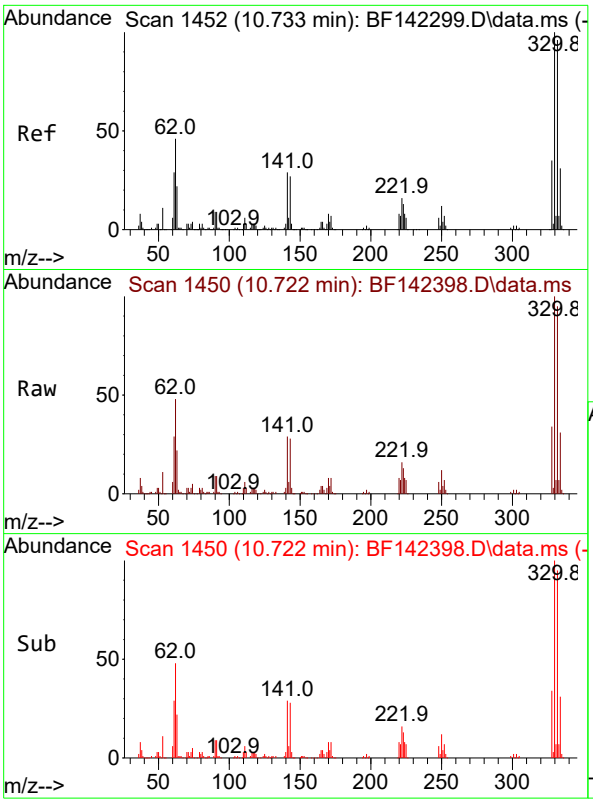


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.011 min
Lab File: BF142398.D
Acq: 15 May 2025 18:11

Tgt Ion:164 Resp: 319877

Ion	Ratio	Lower	Upper
164	100		
162	98.1	79.2	118.8
160	43.9	35.3	52.9



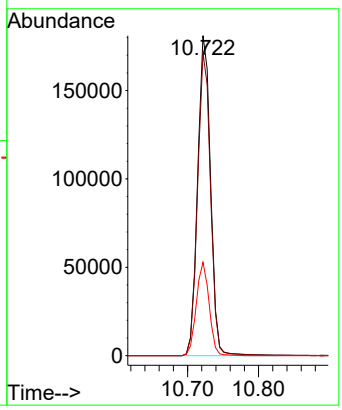


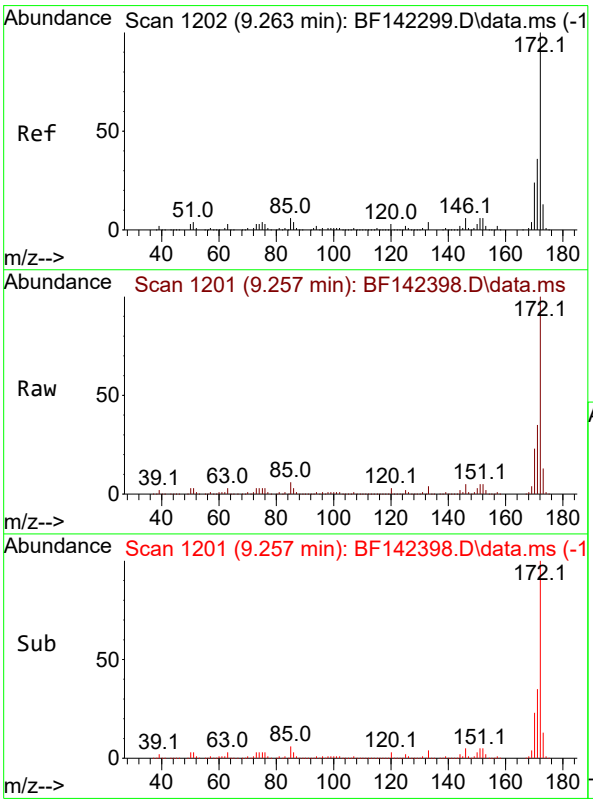
#42
2,4,6-Tribromophenol
Concen: 74.583 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142398.D
Acq: 15 May 2025 18:11

Instrument :
BNA_F
ClientSampleId :
TP-17

Tgt Ion:330 Resp: 230339

Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.8	115.2
141	28.9	24.9	37.3

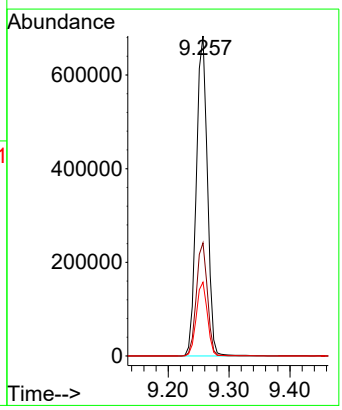


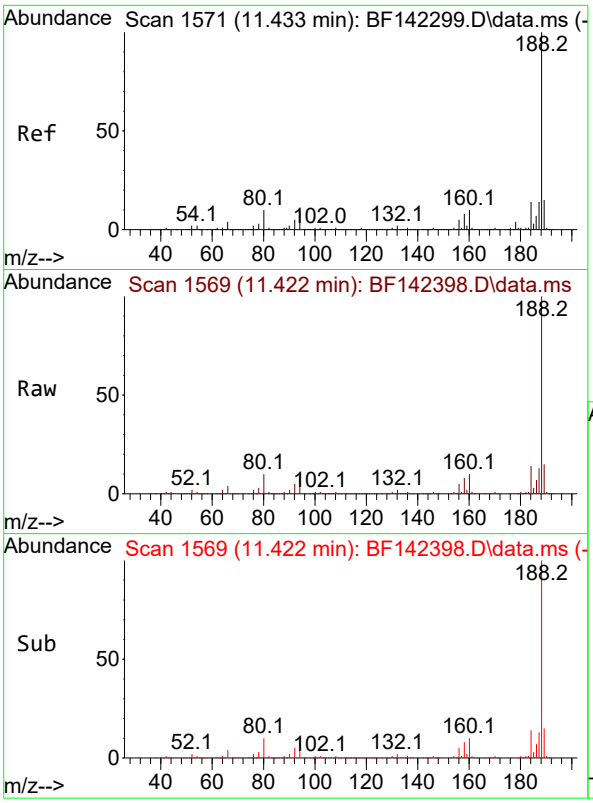


#45
2-Fluorobiphenyl
Concen: 38.495 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142398.D
Acq: 15 May 2025 18:11

Tgt Ion:172 Resp: 863592

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	42.8
170	23.1	19.0	28.4



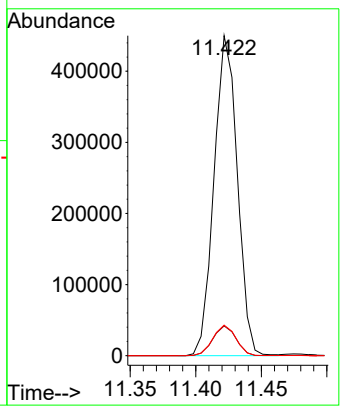


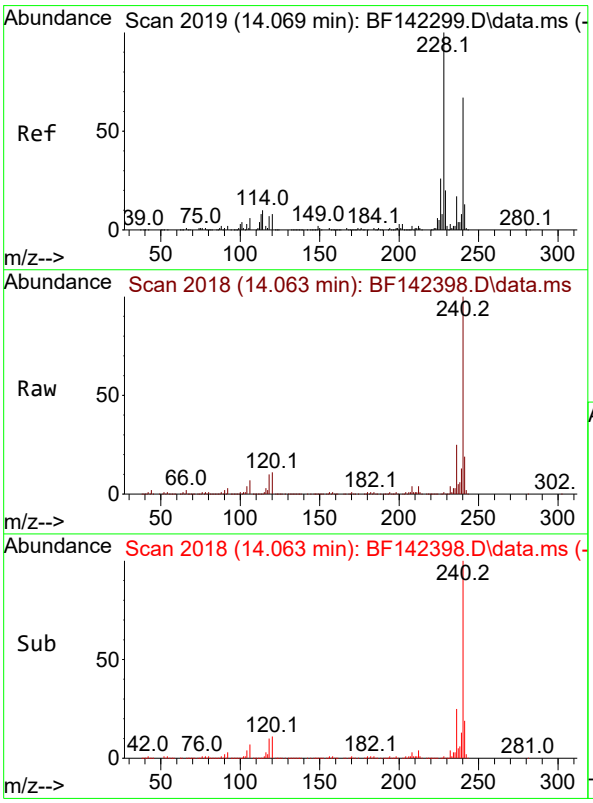
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142398.D
Acq: 15 May 2025 18:11

Instrument :
BNA_F
ClientSampleId :
TP-17

Tgt Ion:188 Resp: 556086

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.5	11.3
80	9.6	7.9	11.9

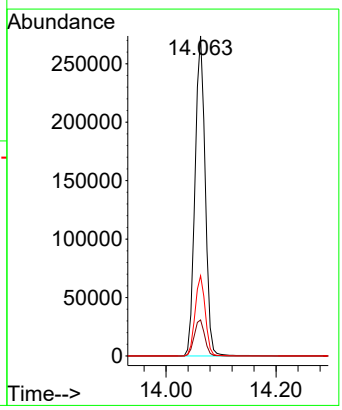


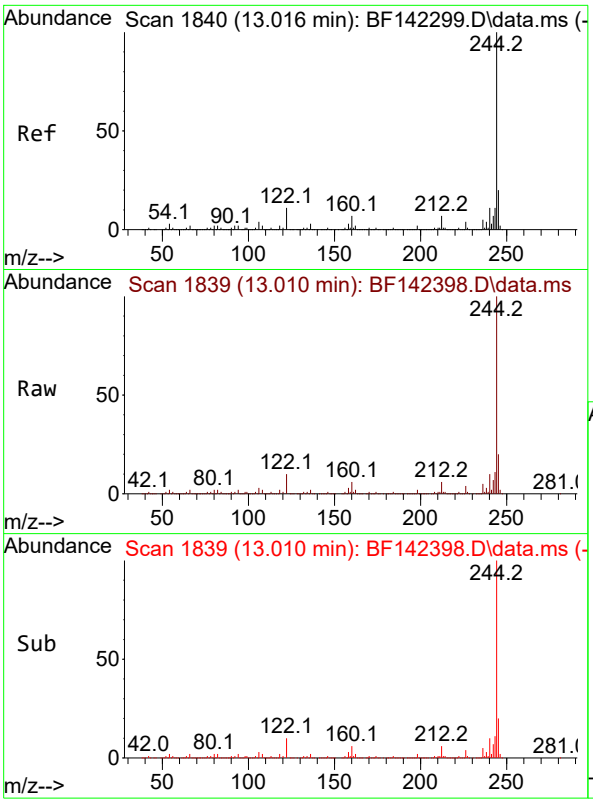


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142398.D
Acq: 15 May 2025 18:11

Tgt Ion:240 Resp: 351534

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.7	14.5
236	25.1	20.0	30.0



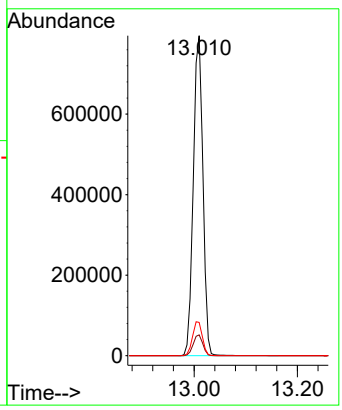


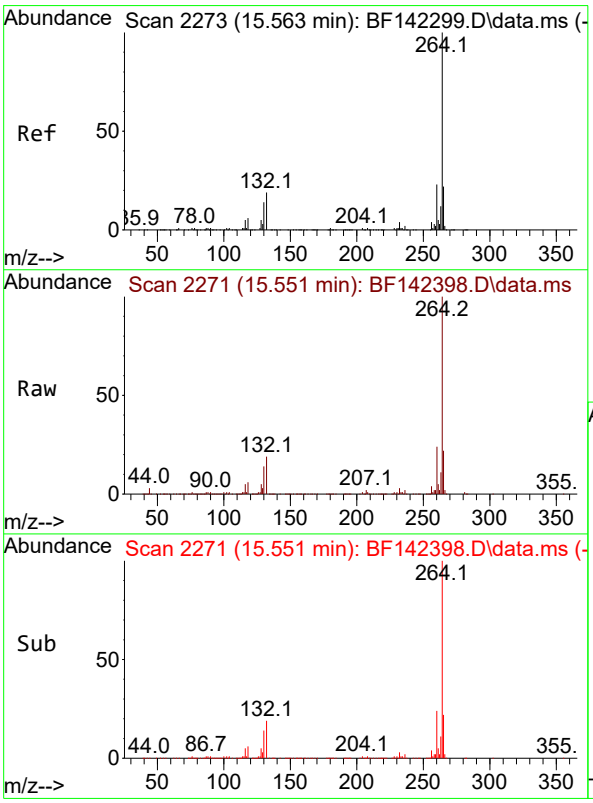
#79
Terphenyl-d14
Concen: 43.214 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142398.D
Acq: 15 May 2025 18:11

Instrument :
BNA_F
ClientSampleId :
TP-17

Tgt Ion:244 Resp: 1026362

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.2
122	10.4	9.0	13.4

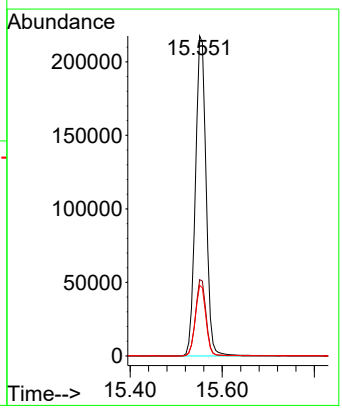




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF142398.D
Acq: 15 May 2025 18:11

Tgt Ion:264 Resp: 349296

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	27.8
265	22.1	17.5	26.3



Sample Results: **BF142398.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142398.D
Acq On : 15 May 2025 18:11
Operator : RC/JU
Sample : Q2010-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-17

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: BF142398.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.293	11	17	30	rVB2	22717	39588	1.47%	0.193%
2	5.110	486	496	503	rBV	236157	340931	12.67%	1.660%
3	5.510	558	564	569	rBV	1688268	2184857	81.17%	10.636%
4	6.516	729	735	756	rVB	1711325	2297968	85.37%	11.186%
5	6.898	795	800	805	rBV	733969	896482	33.30%	4.364%
6	7.457	889	895	900	rBV	1009168	1262654	46.91%	6.146%
7	7.710	934	938	943	rBV	35495	45263	1.68%	0.220%
8	8.181	1013	1018	1036	rVB	929857	1174308	43.62%	5.716%
9	9.257	1195	1201	1206	rBV	1910419	2411316	89.58%	11.738%
10	9.934	1311	1316	1330	rBV	1025967	1319565	49.02%	6.424%
11	10.239	1361	1368	1382	rBV2	30328	97188	3.61%	0.473%
12	10.645	1432	1437	1445	rBV	232620	294980	10.96%	1.436%
13	10.722	1445	1450	1462	rBV	1302333	1643651	61.06%	8.001%
14	11.422	1564	1569	1576	rBV	1088223	1353819	50.29%	6.590%
15	11.945	1653	1658	1671	rBV2	146553	242534	9.01%	1.181%
16	12.733	1787	1792	1800	rBV4	15803	31586	1.17%	0.154%
17	13.010	1833	1839	1844	rBV	2068502	2691859	100.00%	13.104%
18	13.904	1986	1991	2000	rBV	93935	169525	6.30%	0.825%
19	14.063	2012	2018	2028	rVB	729512	957925	35.59%	4.663%
20	14.539	2094	2099	2105	rBV4	16312	34441	1.28%	0.168%
21	15.551	2265	2271	2287	rBV	584101	938660	34.87%	4.569%
22	17.757	2640	2646	2655	rVB4	47837	113653	4.22%	0.553%

Sum of corrected areas: 20542753

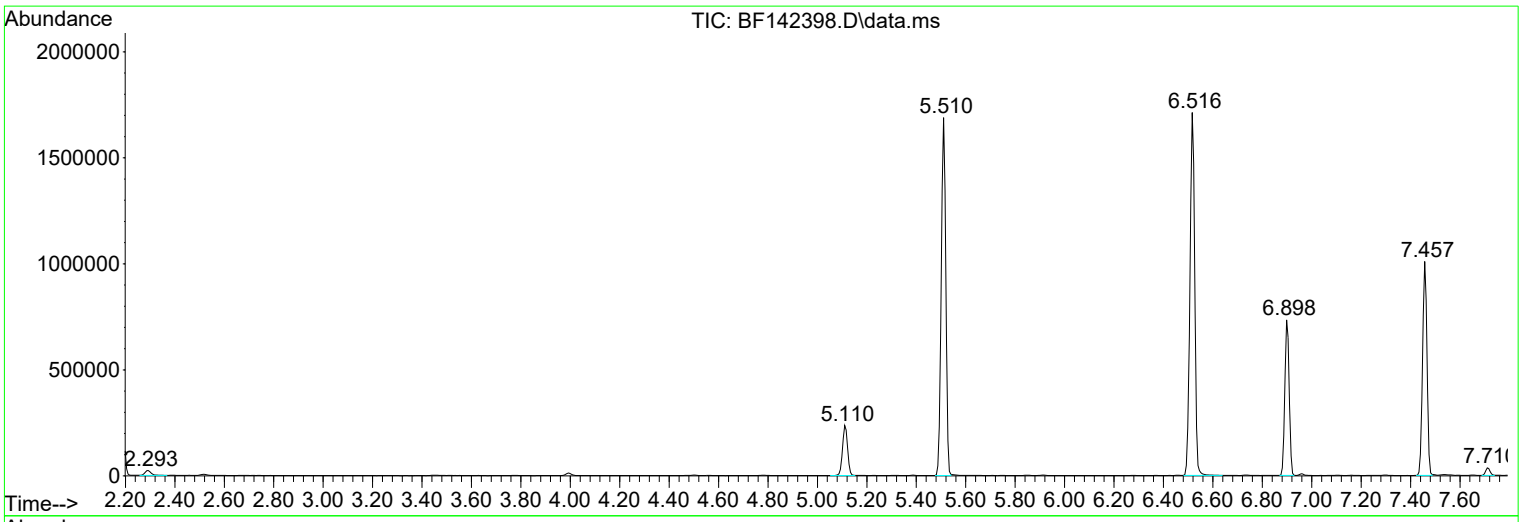
Sample Results: **BF142398.D**

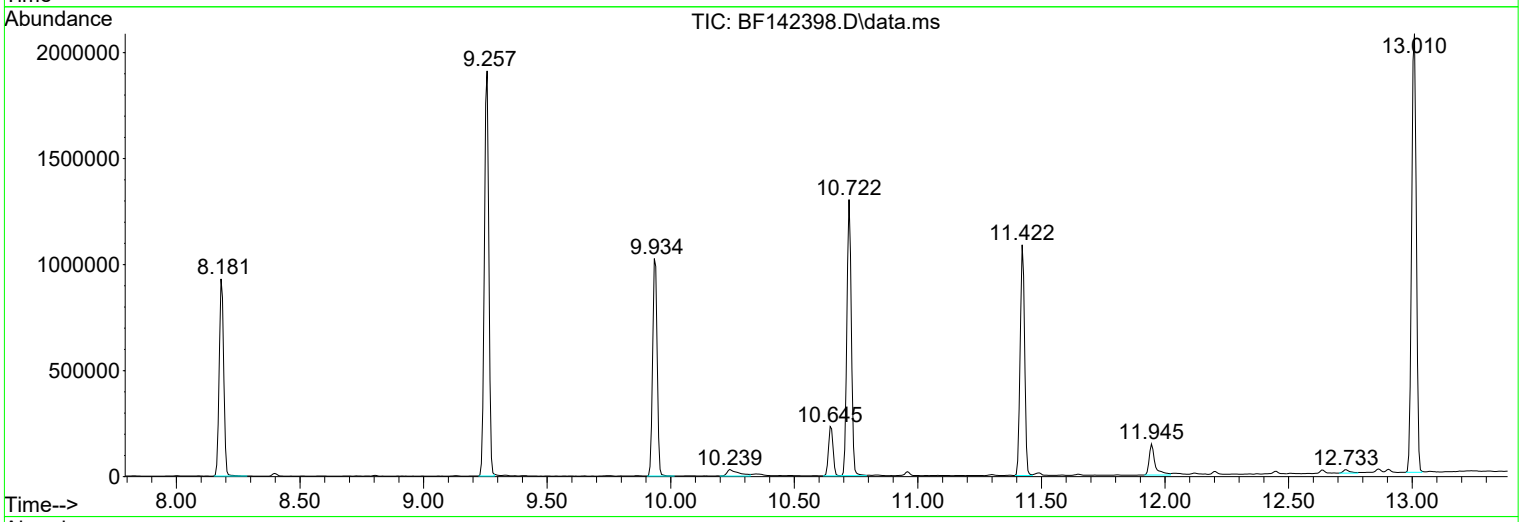
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142398.D
Acq On : 15 May 2025 18:11
Operator : RC/JU
Sample : Q2010-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

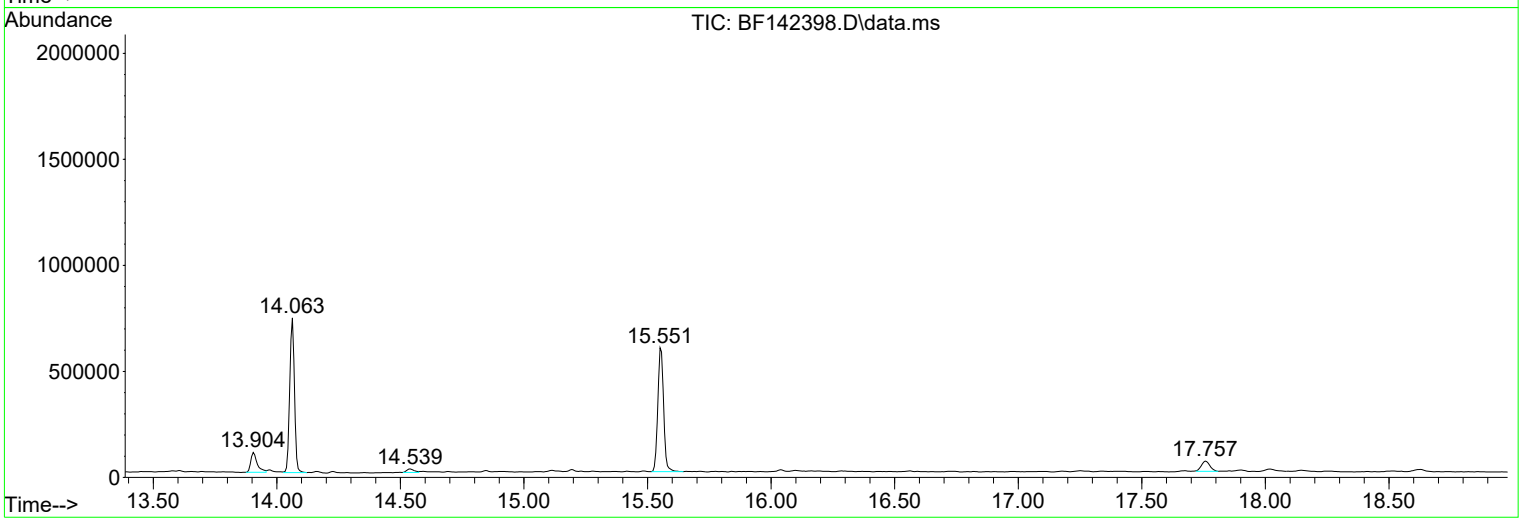
Instrument :
BNA_F
ClientSampleId :
TP-17

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 : BF142398.D
Acq On : 15 May 2025 18:11
Operator : RC/JU
Sample : Q2010-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-17

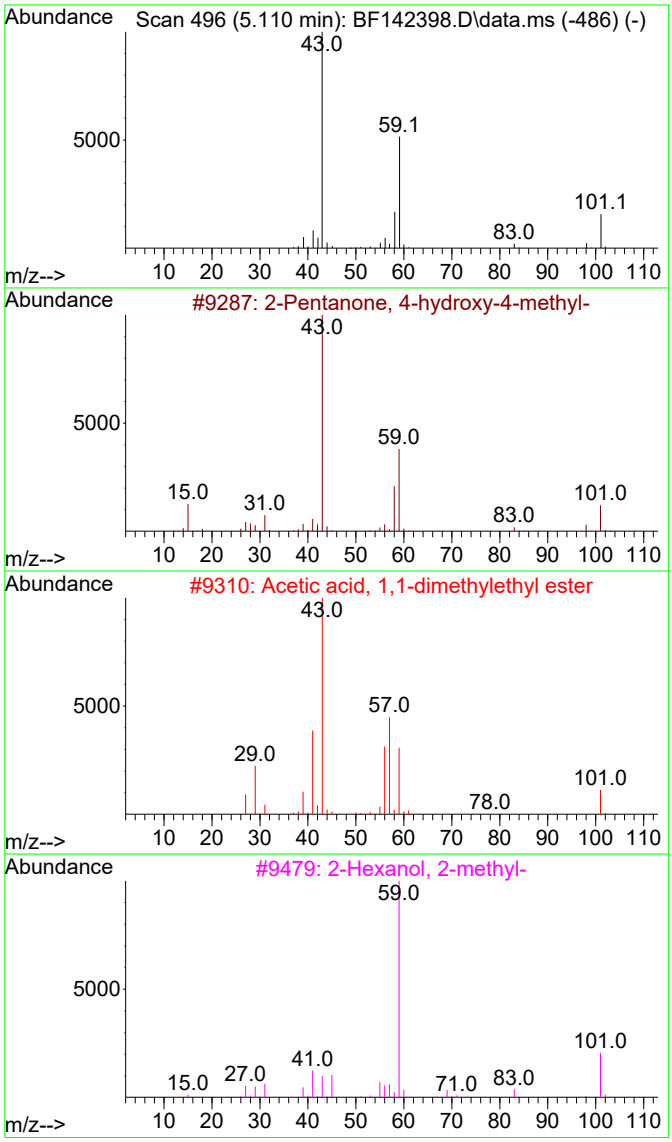
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

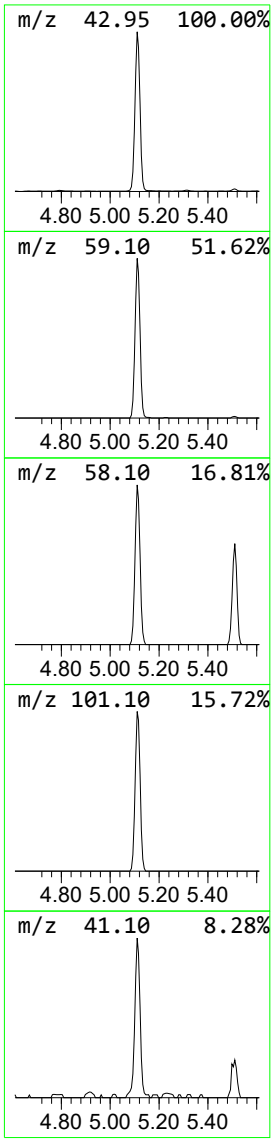
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.110	7.61 ng	340931	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	38
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142398.D
Acq On : 15 May 2025 18:11
Operator : RC/JU
Sample : Q2010-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

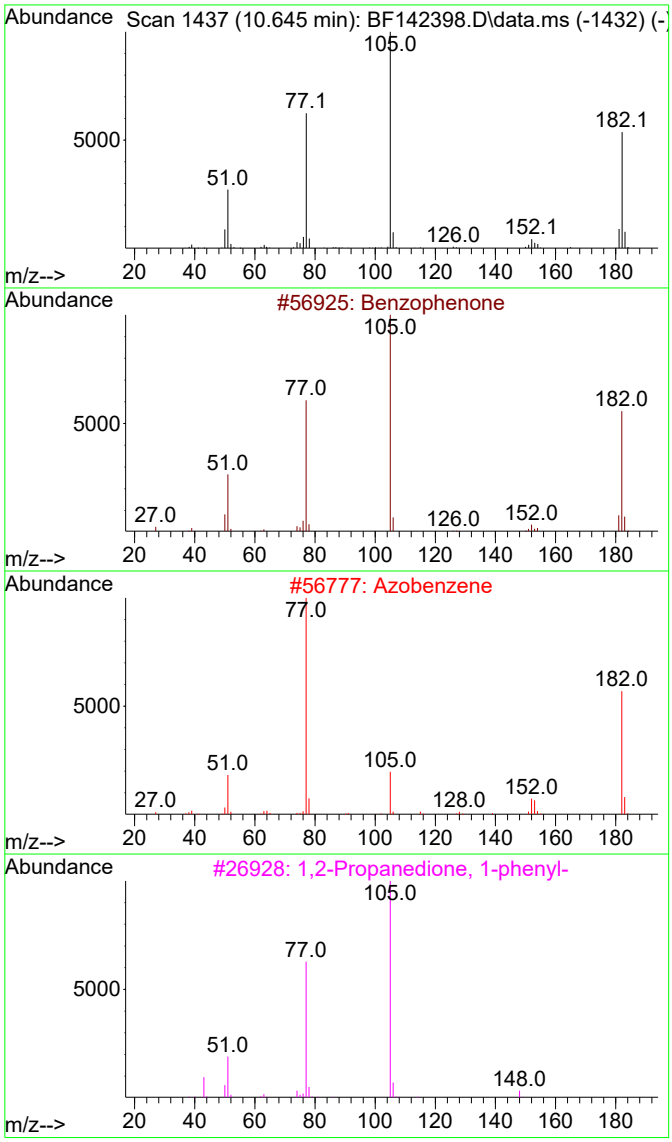
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

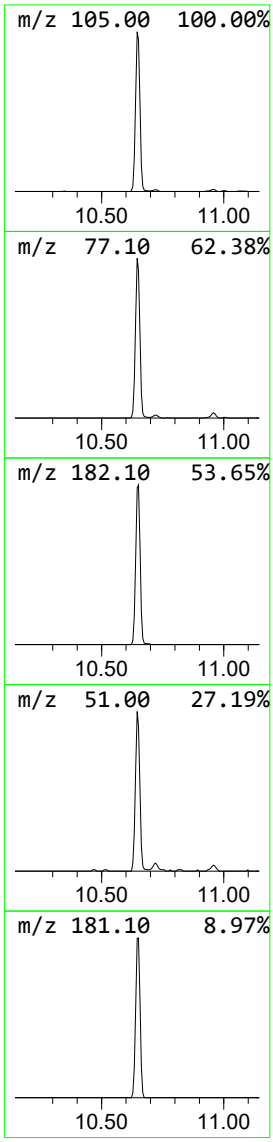
****

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.645	4.47 ng	294980	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	59
3	1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47
4	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47
5	.alpha.,.alpha.-Dichloroacetophe...	188	C8H6Cl2O	002648-61-5	47





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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142398.D
Acq On    : 15 May 2025  18:11
Operator  : RC/JU
Sample    : Q2010-04
Misc      :
ALS Vial  : 7   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
```

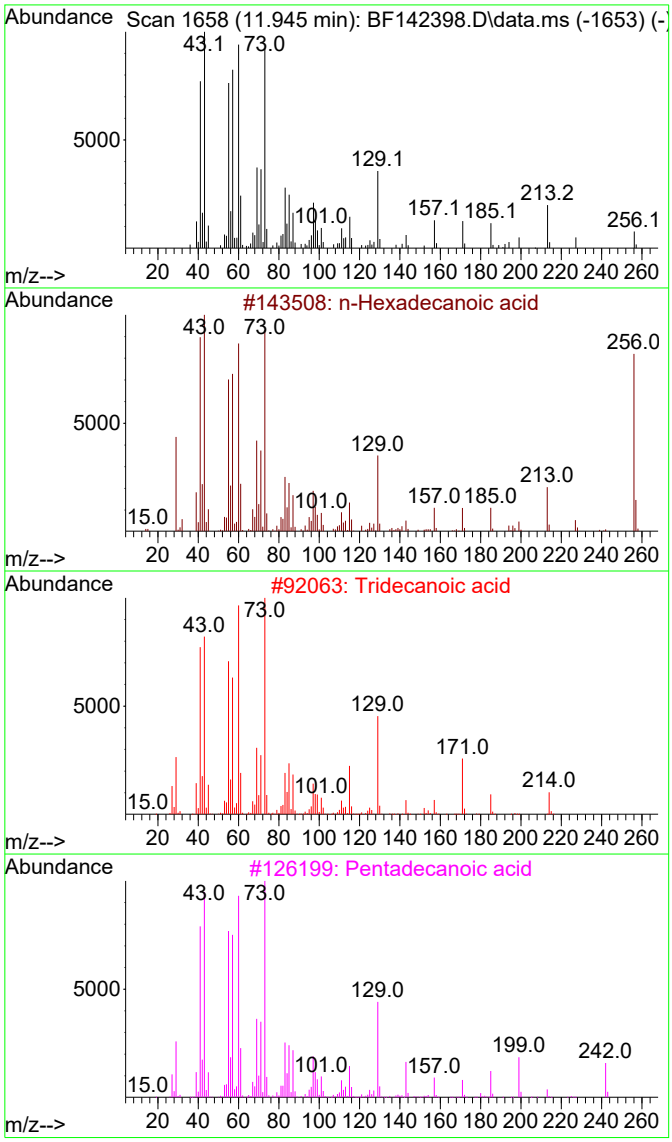
Instrument :
BNA_F
ClientSampleId :
TP-17

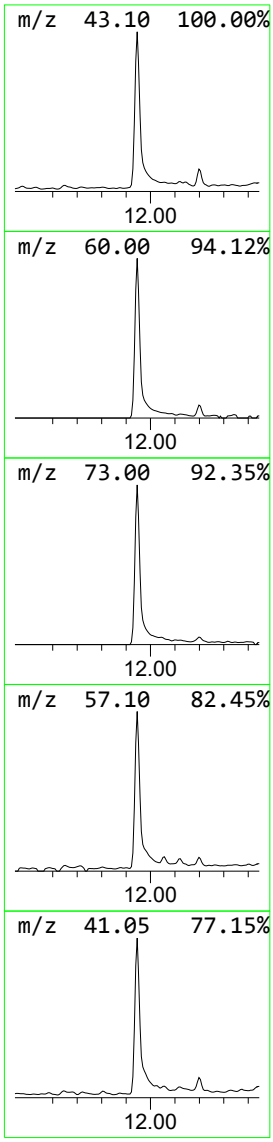
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	3.58 ng	242534	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	94
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
5	n-Decanoic acid	172	C10H20O2	000334-48-5	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142398.D
Acq On : 15 May 2025 18:11
Operator : RC/JU
Sample : Q2010-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

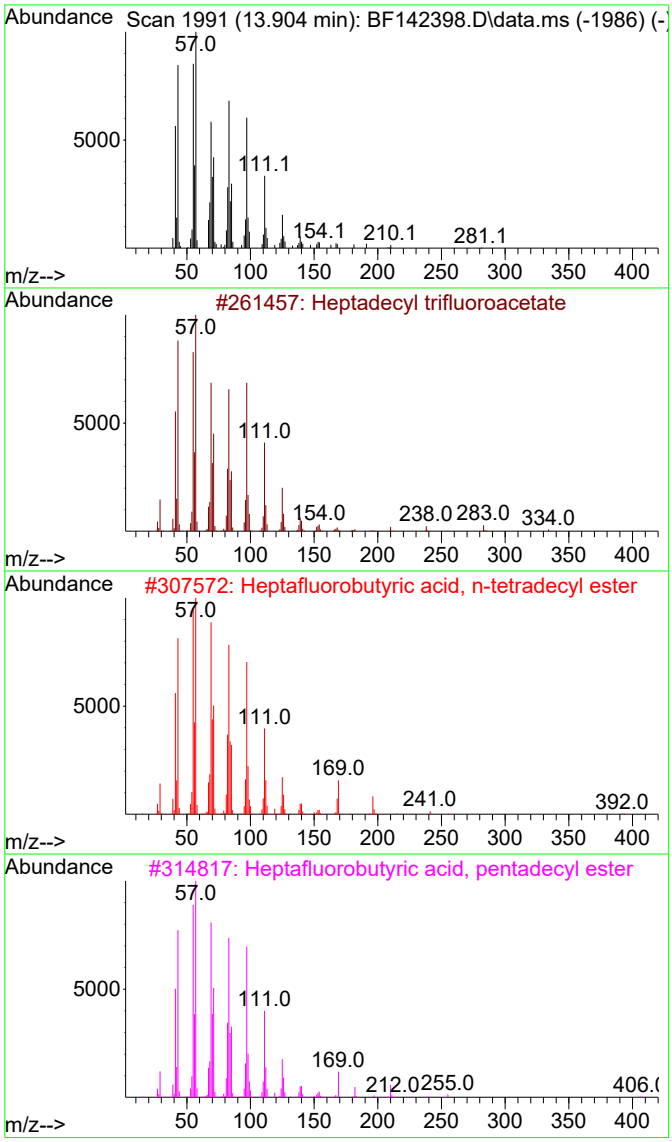
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

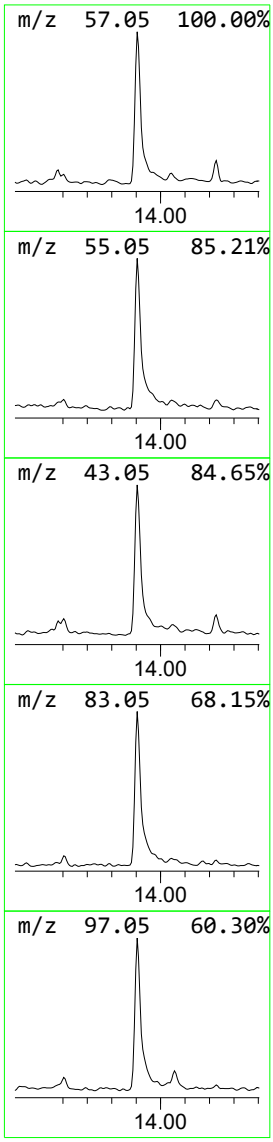
****

Peak Number 4 Heptadecyl trifluoroacetate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	3.54 ng	169525	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	94
2	Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	94
3	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
4	1-Heneicosanol	312	C21H44O	015594-90-8	93
5	1-Docosene	308	C22H44	001599-67-3	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142398.D
Acq On : 15 May 2025 18:11
Operator : RC/JU
Sample : Q2010-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

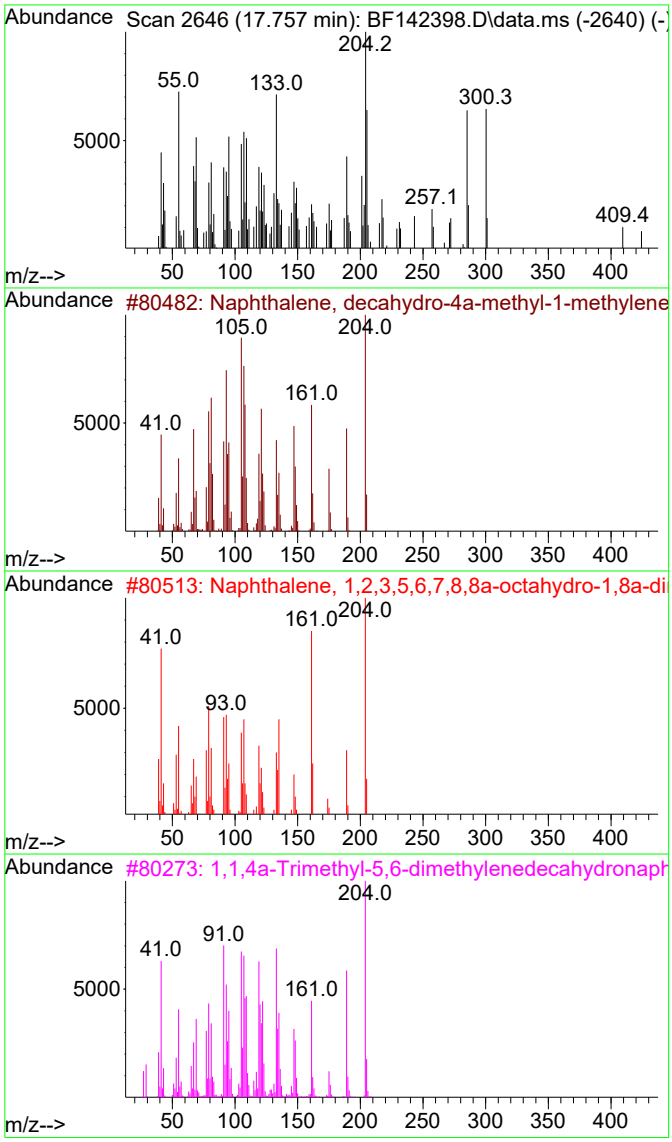
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

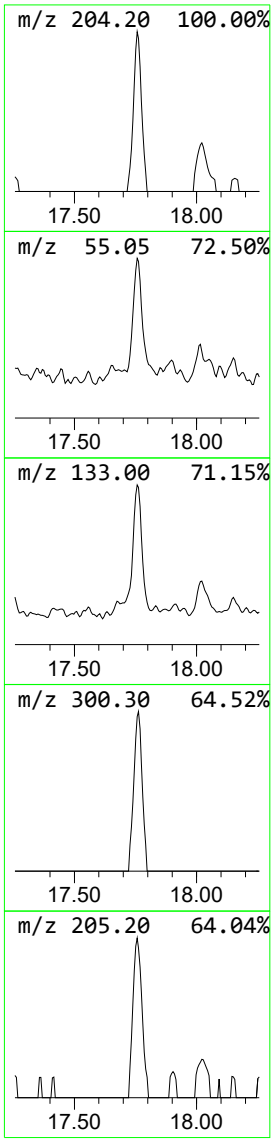
****

Peak Number 5 unknown17.756 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.756	2.42 ng	113653	Perylene-d12	15.551

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-4a-methyl...	204	C15H24	017066-67-0	46
2	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	45
3	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	43
4	Aciphyllene	204	C15H24	087745-31-1	42
5	1,3-Dimethyl-5-(propen-1-yl)adam...	204	C15H24	057040-48-9	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142398.D
Acq On : 15 May 2025 18:11
Operator : RC/JU
Sample : Q2010-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-17

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	7.6	ng	340931	1	6.898	896482	20.0
Benzophenone	10.645	4.5	ng	294980	3	9.934	1319570	20.0
n-Hexadecanoic ...	11.945	3.6	ng	242534	4	11.422	1353820	20.0
Heptadecyl trif...	13.904	3.5	ng	169525	5	14.063	957925	20.0
unknown17.756	17.756	2.4	ng	113653	6	15.551	938660	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

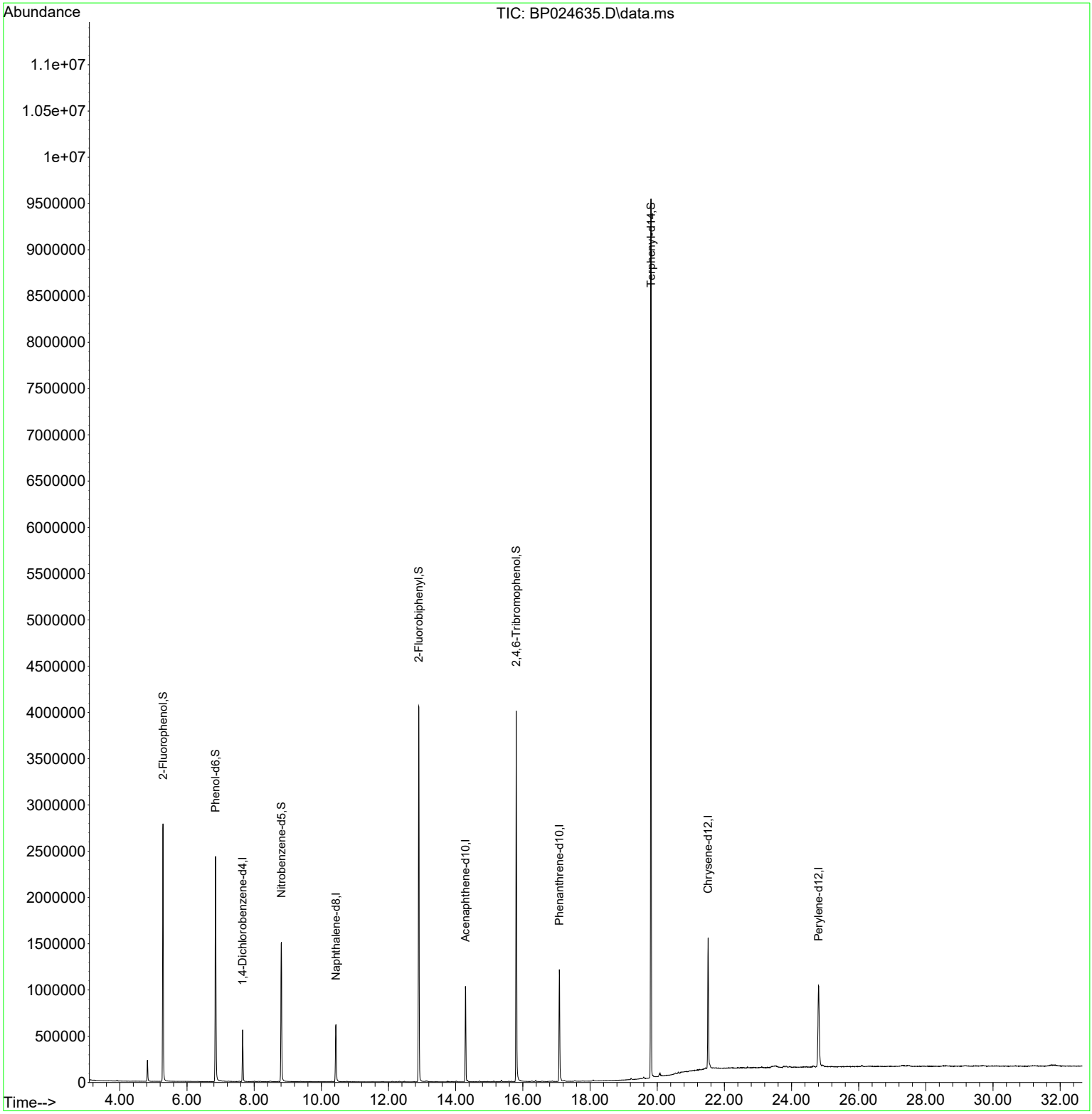
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.658	152	146276	20.000	ng	0.00
21) Naphthalene-d8	10.434	136	564318	20.000	ng	0.00
39) Acenaphthene-d10	14.293	164	357828	20.000	ng	-0.01
64) Phenanthrene-d10	17.087	188	764705	20.000	ng	-0.01
76) Chrysene-d12	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

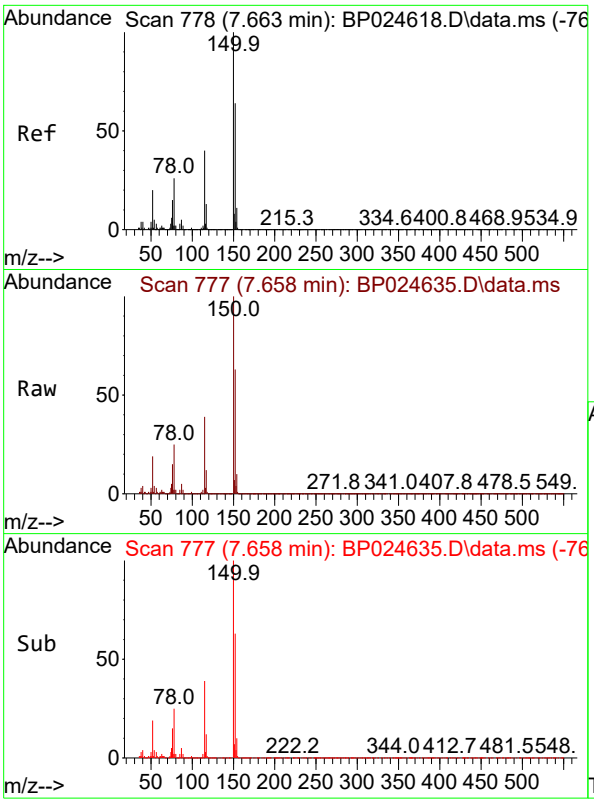
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



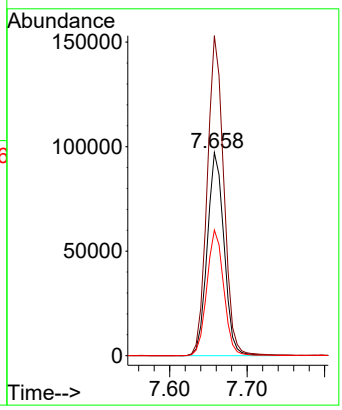


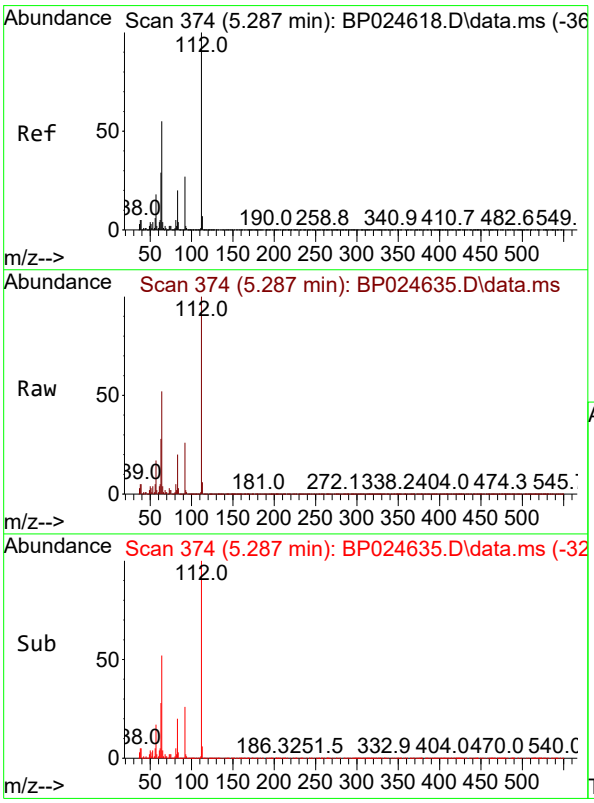
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.658 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024635.D
Acq: 15 May 2025 13:05

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

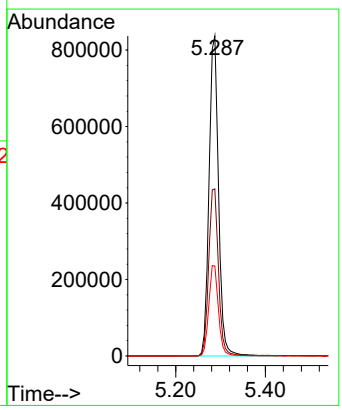


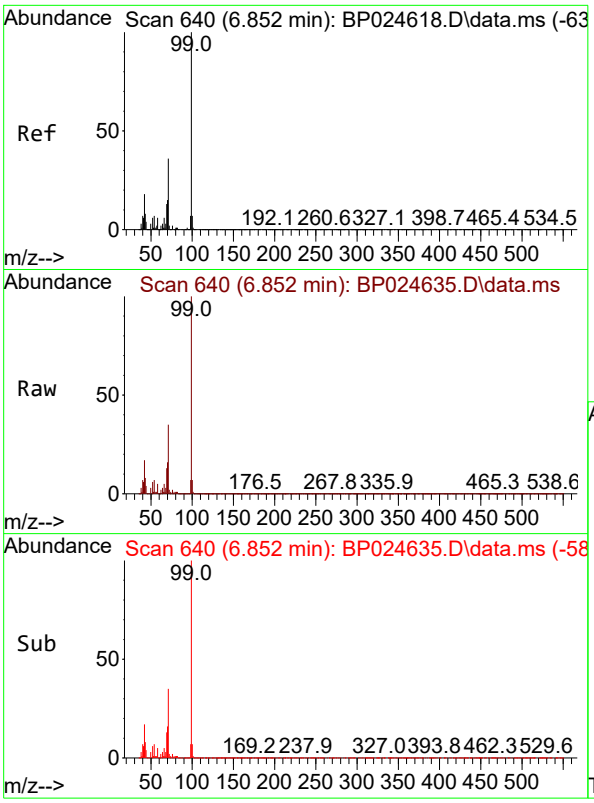


#5
2-Fluorophenol
Concen: 143.566 ng
RT: 5.287 min Scan# 374
Delta R.T. 0.000 min
Lab File: BP024635.D
Acq: 15 May 2025 13:05

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



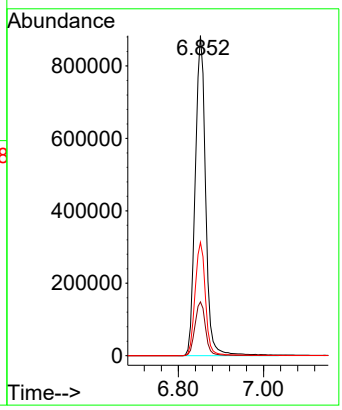


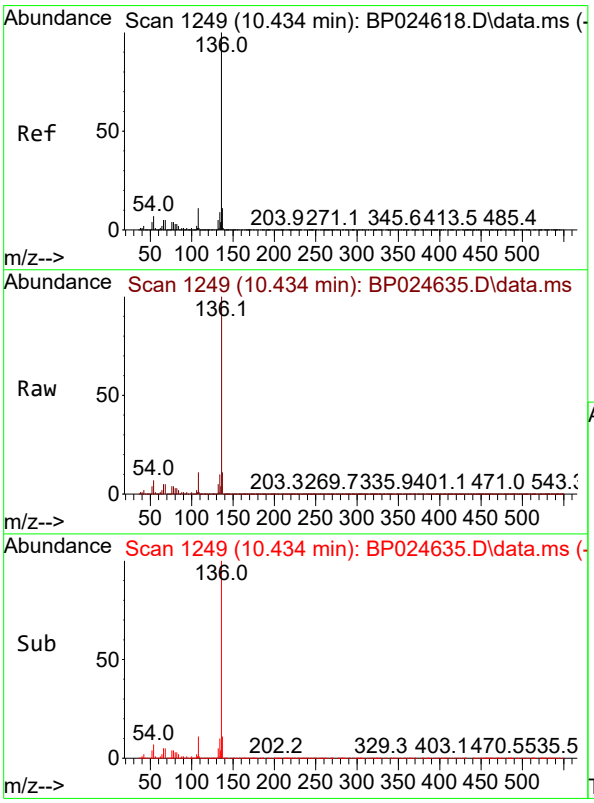
#7
Phenol-d6
Concen: 137.290 ng
RT: 6.852 min Scan# 64
Delta R.T. 0.000 min
Lab File: BP024635.D
Acq: 15 May 2025 13:05

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

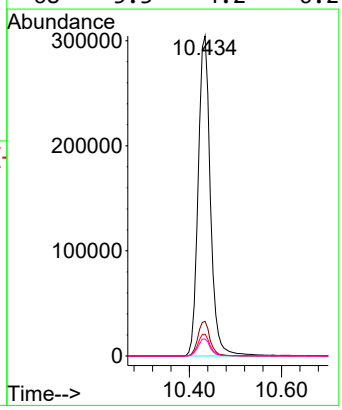


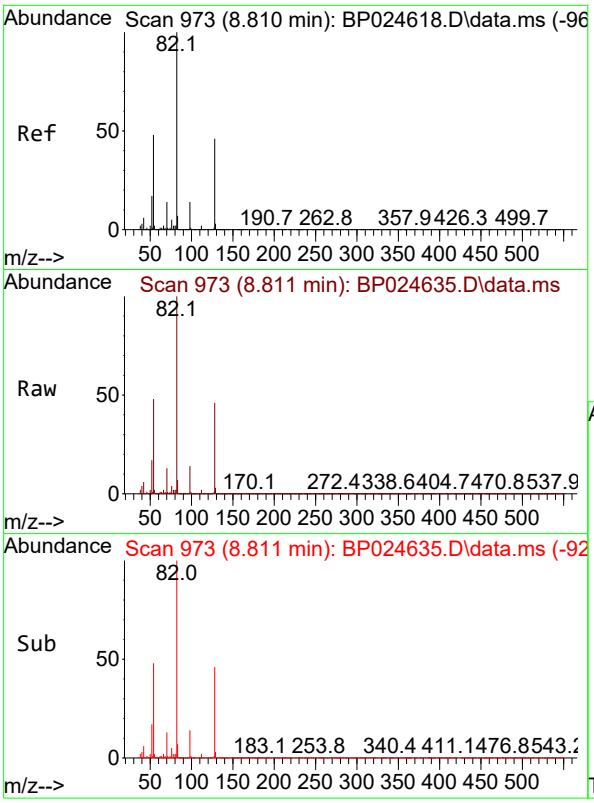


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.434 min Scan# 1249
Delta R.T. -0.000 min
Lab File: BP024635.D
Acq: 15 May 2025 13:05

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



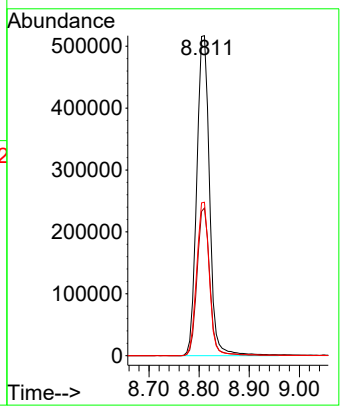


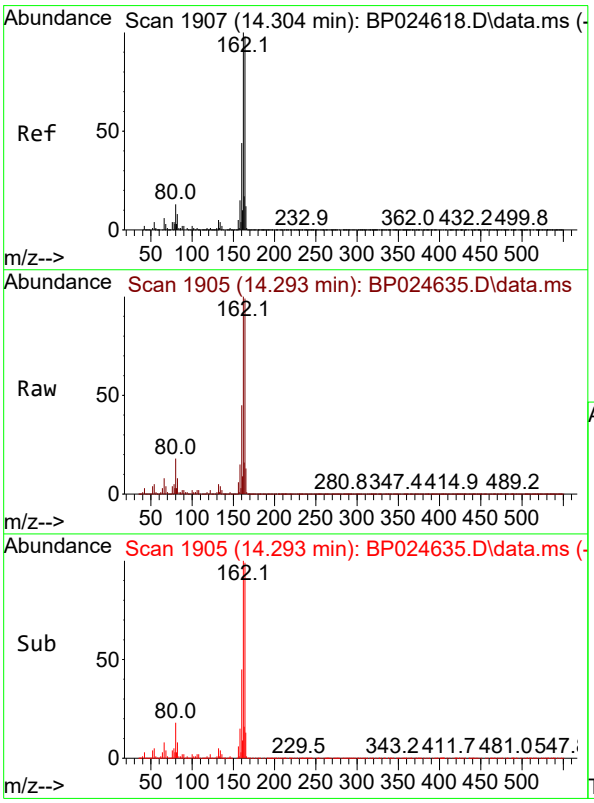
#23
Nitrobenzene-d5
Concen: 82.100 ng
RT: 8.811 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024635.D
Acq: 15 May 2025 13:05

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

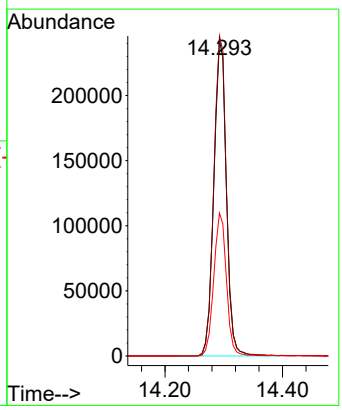


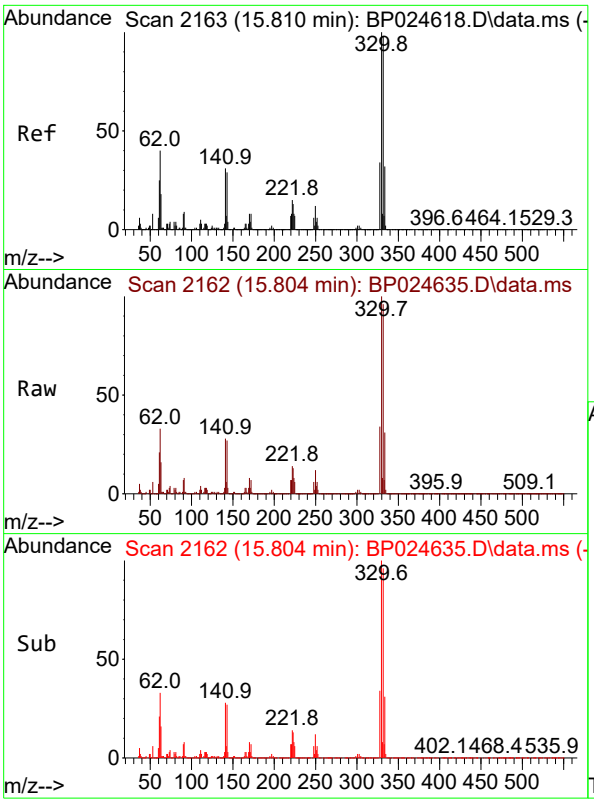


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.293 min Scan# 1905
Delta R.T. -0.012 min
Lab File: BP024635.D
Acq: 15 May 2025 13:05

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



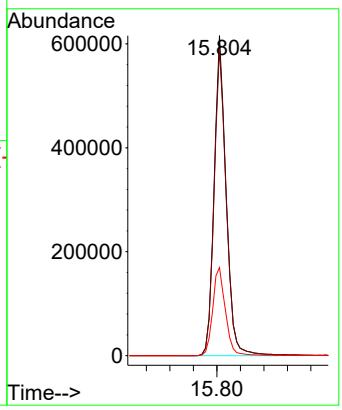


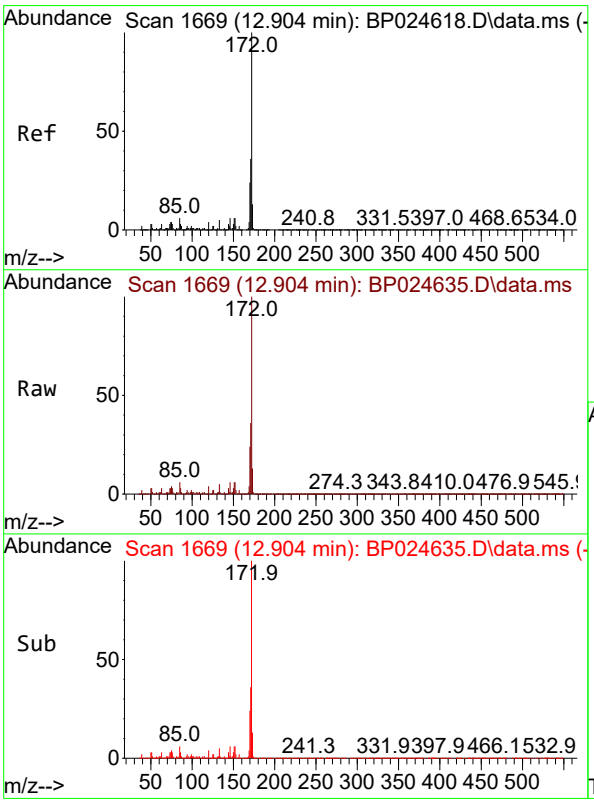
#42
2,4,6-Tribromophenol
Concen: 143.590 ng
RT: 15.804 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024635.D
Acq: 15 May 2025 13:05

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

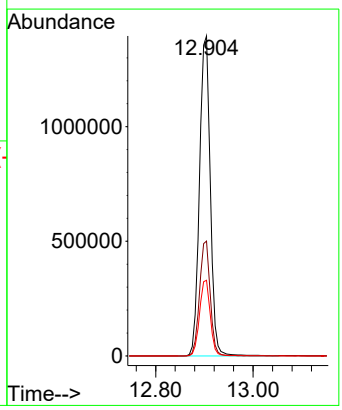


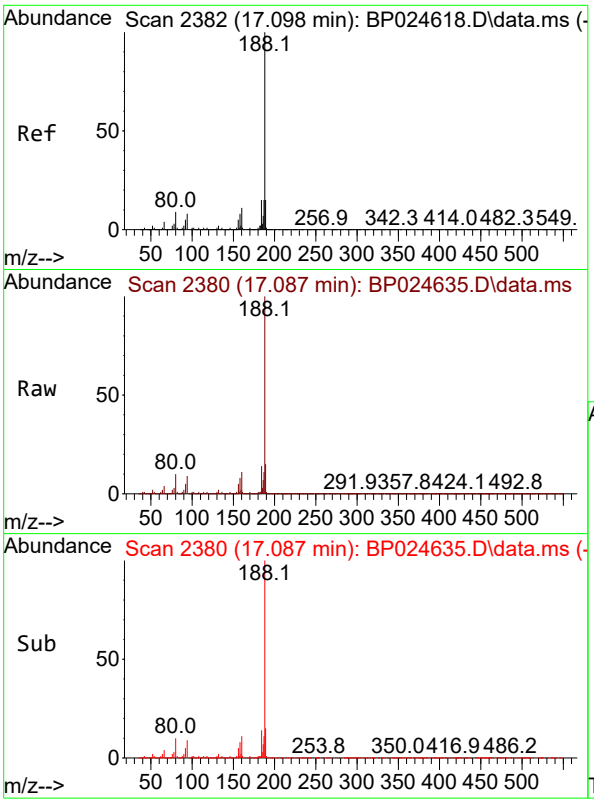


#45
2-Fluorobiphenyl
Concen: 78.715 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BP024635.D
Acq: 15 May 2025 13:05

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



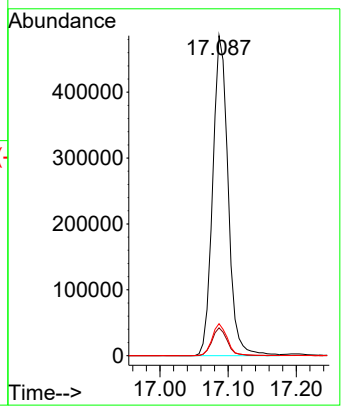


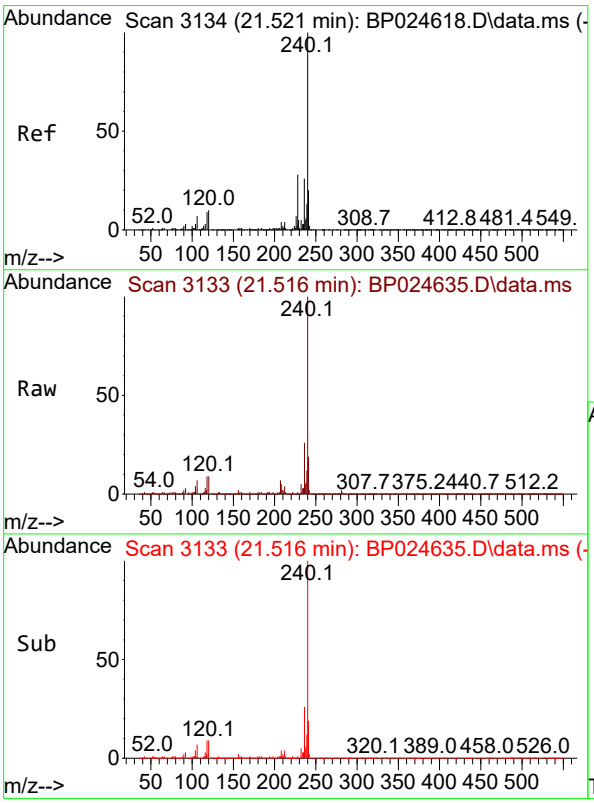
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.087 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024635.D
Acq: 15 May 2025 13:05

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

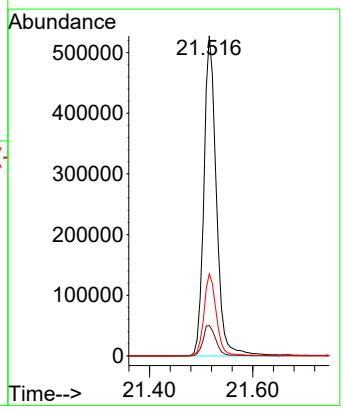


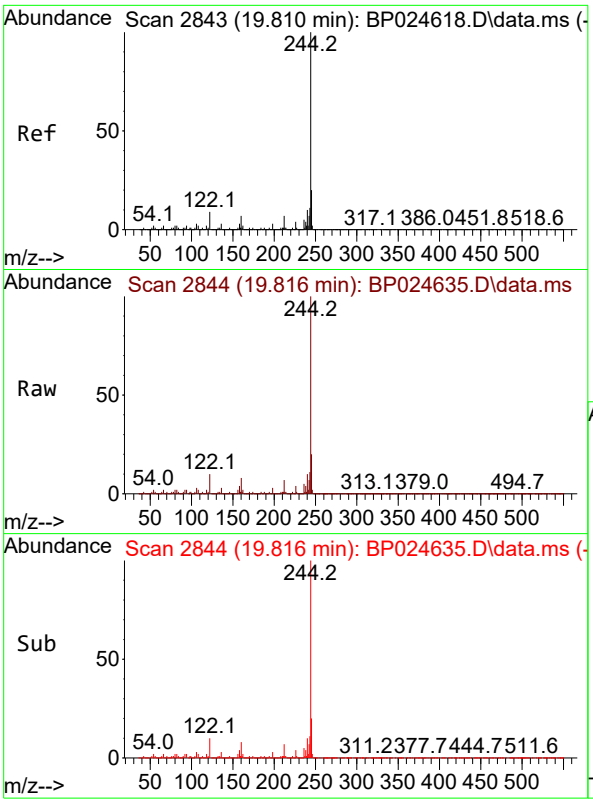


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024635.D
Acq: 15 May 2025 13:05

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



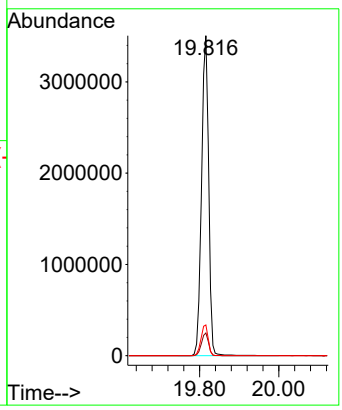


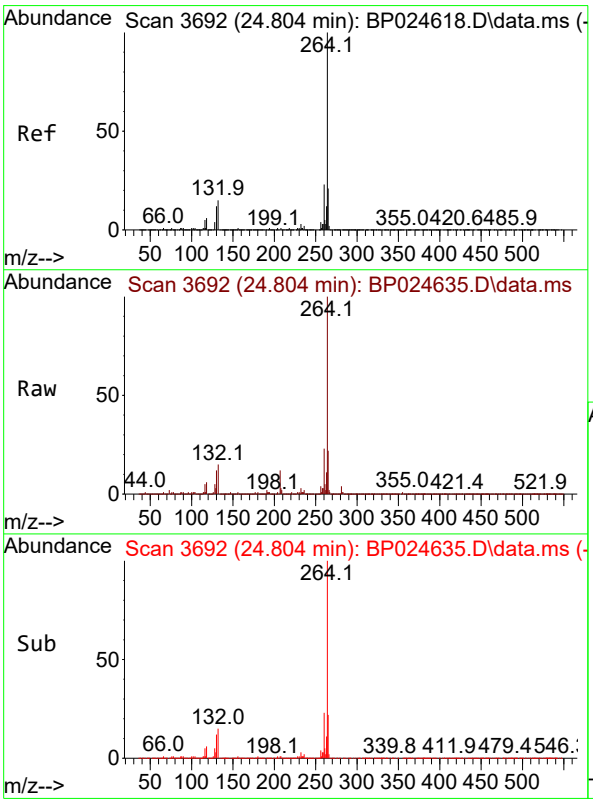
#79
Terphenyl-d14
Concen: 84.502 ng
RT: 19.816 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024635.D
Acq: 15 May 2025 13:05

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

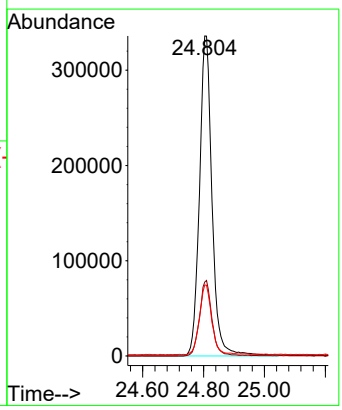




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.804 min Scan# 3692
Delta R.T. 0.000 min
Lab File: BP024635.D
Acq: 15 May 2025 13:05

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%

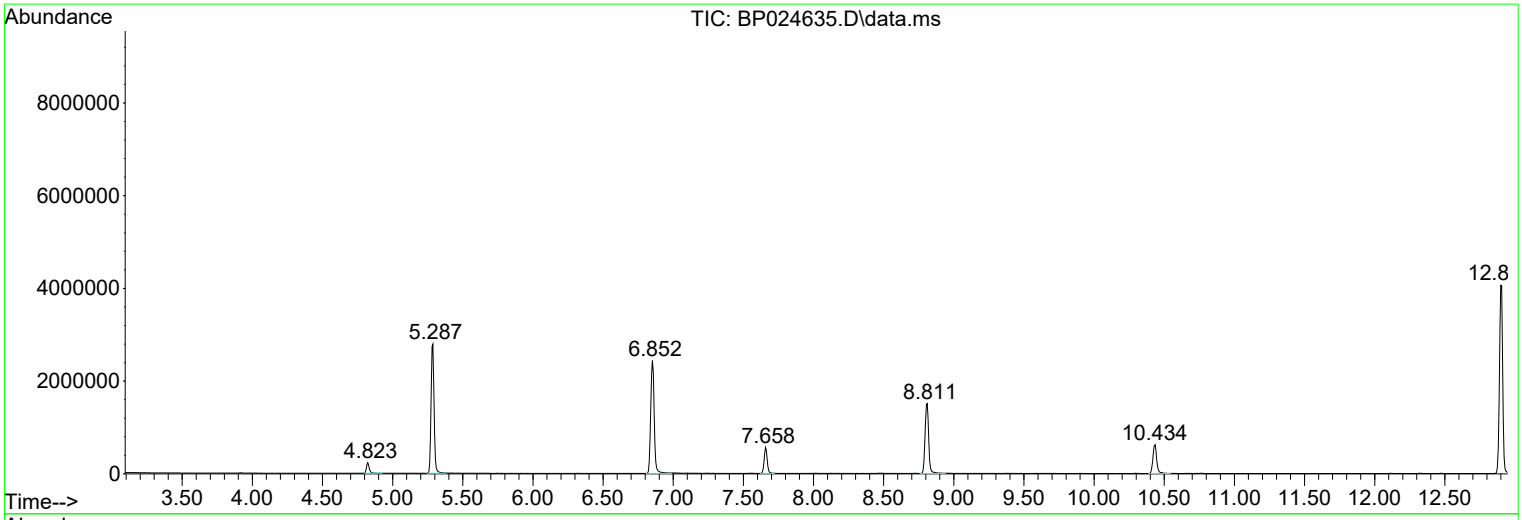
Sum of corrected areas: 45666449

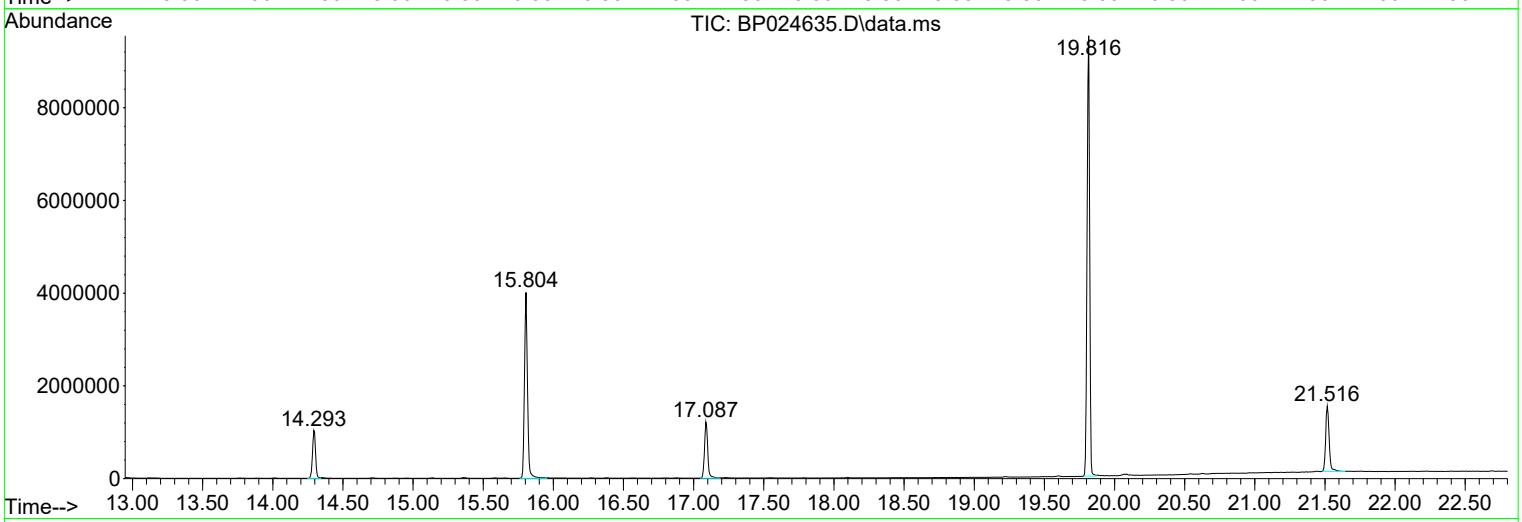
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024635.D
Acq On : 15 May 2025 13:05
Operator : RC/JU
Sample : PB167973BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

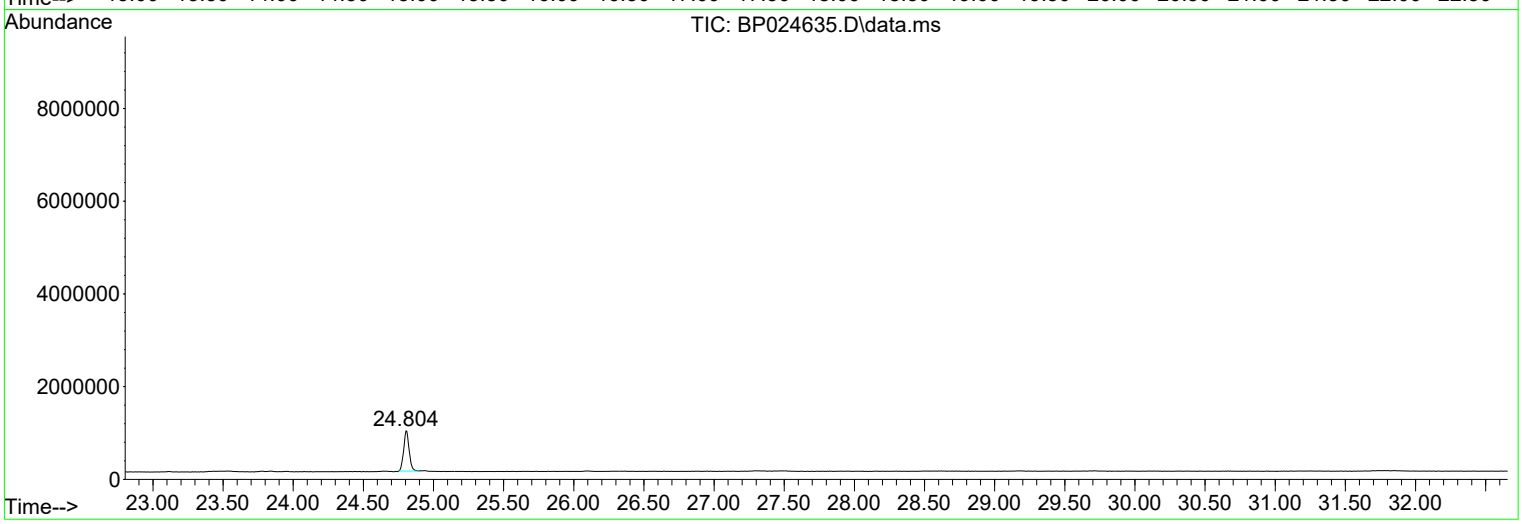
Instrument :
BNA_P
ClientSampleId :
PB167973BL

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

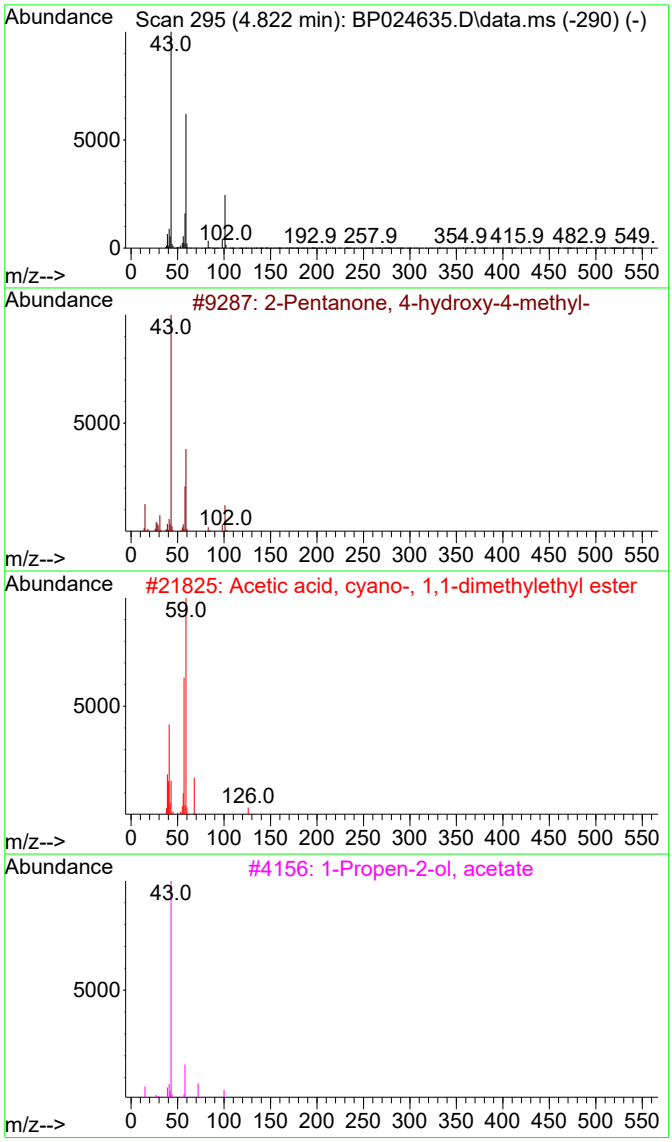
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

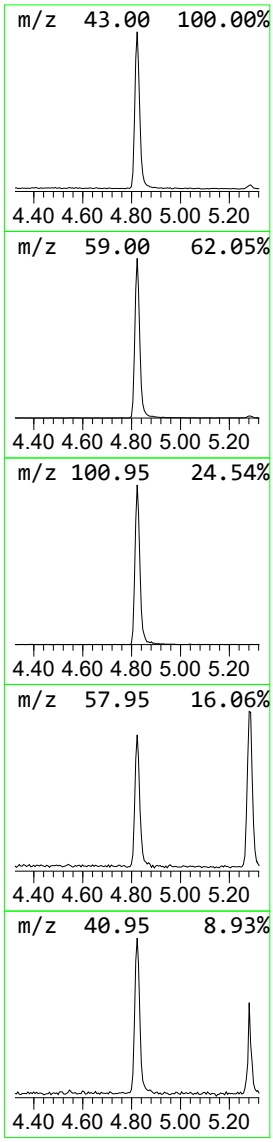
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
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_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

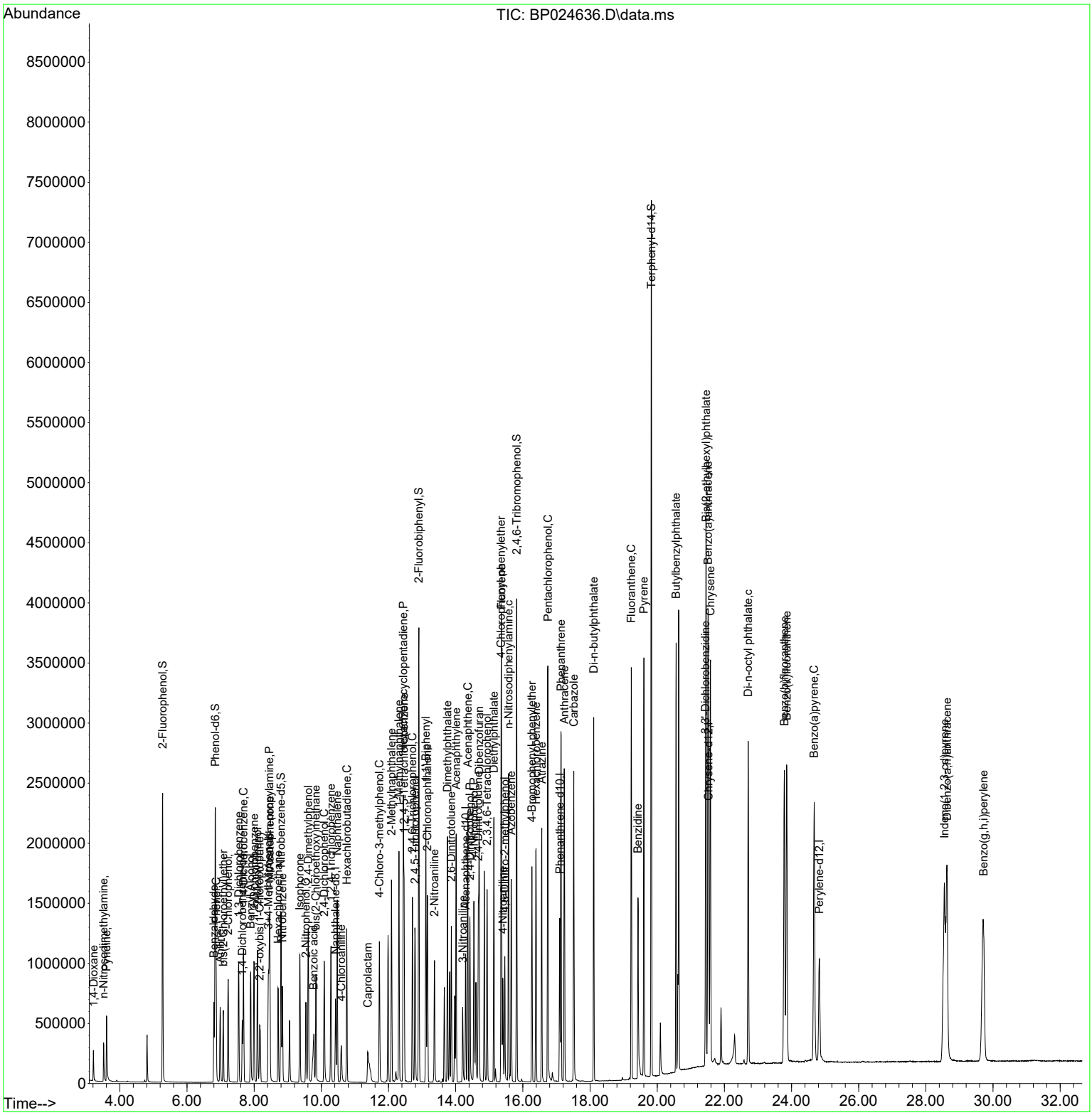
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.787	196	355418	48.883	ng	98
46) 1,1'-Biphenyl	13.110	154	1087547	42.370	ng	99
47) 2-Chloronaphthalene	13.157	162	830827	42.452	ng	100
48) 2-Nitroaniline	13.369	65	261668	45.161	ng	98
49) Acenaphthylene	14.016	152	1399482	42.731	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_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

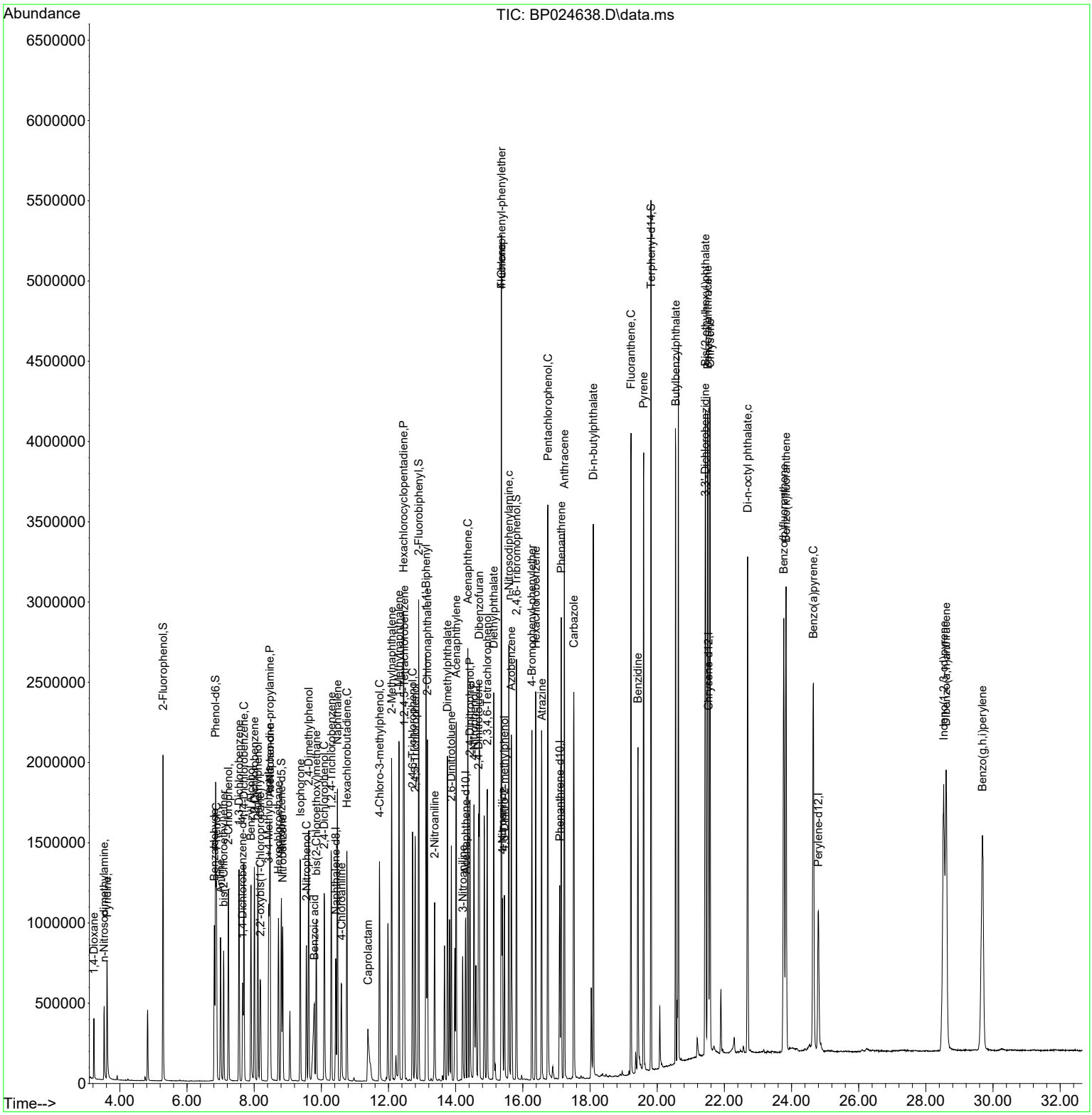
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.793	196	403367	50.893	ng	98
46) 1,1'-Biphenyl	13.116	154	1301925	46.530	ng	100
47) 2-Chloronaphthalene	13.157	162	993000	46.545	ng	99
48) 2-Nitroaniline	13.375	65	311778	49.362	ng	97
49) Acenaphthylene	14.016	152	1622957	45.458	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_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

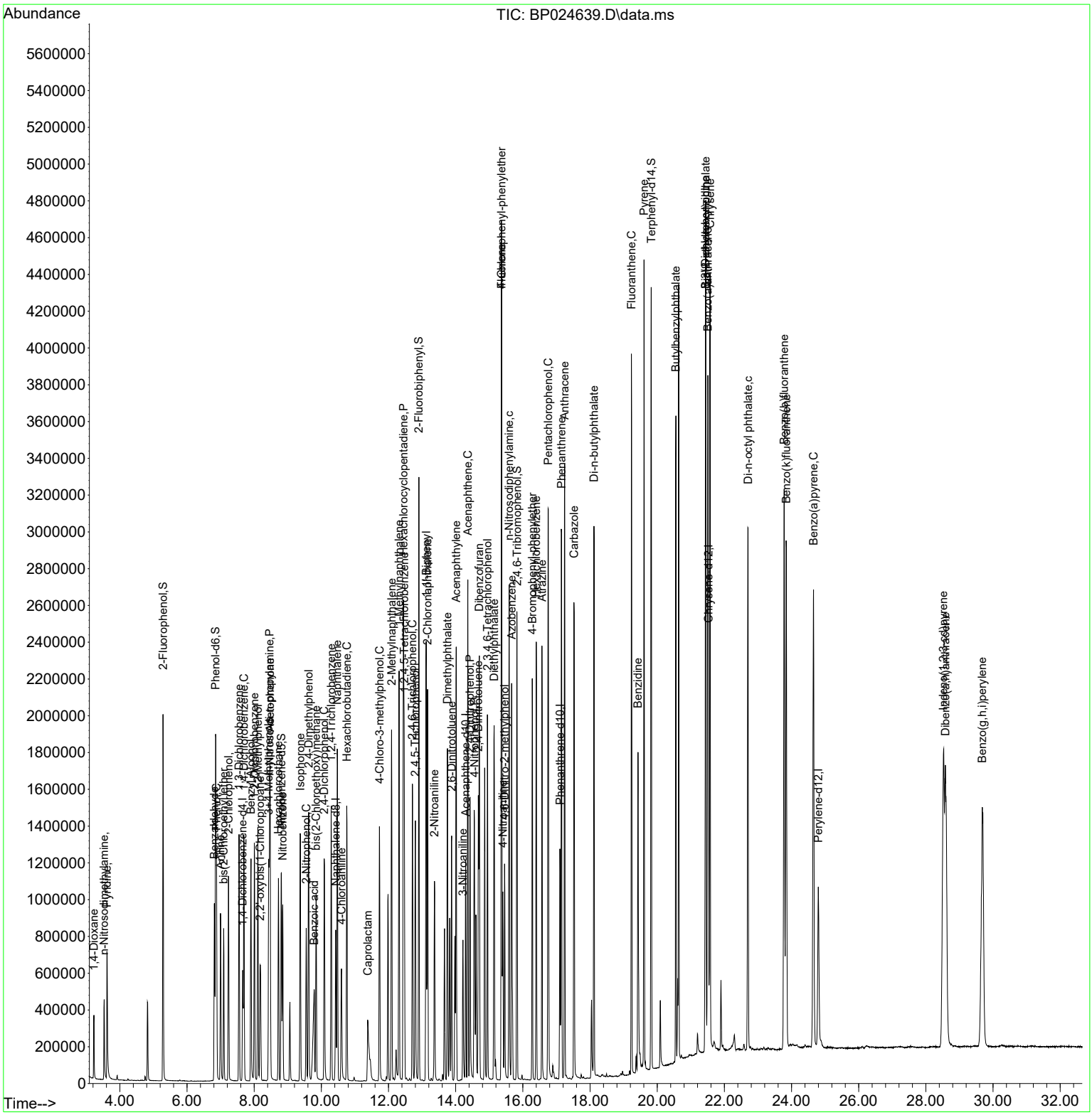
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.798	196	400383	50.924	ng		98
46) 1,1'-Biphenyl	13.122	154	1303750	46.972	ng		100
47) 2-Chloronaphthalene	13.163	162	996633	47.093	ng		100
48) 2-Nitroaniline	13.369	65	310532	49.562	ng		99
49) Acenaphthylene	14.016	152	1622651	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



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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

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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

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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

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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
Q2010-01	BF142412.D	Benzo(b)fluoranthene	Rahul	5/16/2025 12:19:18 PM	Jagrut	5/16/2025 5:47:57 PM	Peak Integrated by Software
Q2010-01	BF142412.D	Benzo(k)fluoranthene	Rahul	5/16/2025 12:19:18 PM	Jagrut	5/16/2025 5:47:57 PM	Peak Integrated by Software

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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

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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

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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 # 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_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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Fax : 908 789 8922

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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Fax : 908 789 8922

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_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

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

RS 5/16

RS 5/13

* **Extracts relinquished on the same date as received.**

Q2010 1673 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

452 of 942

Date/Time 05/13/25 9:00
Raw Sample Received by: RJ (EXT-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 (EXT-Lobby)

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LAB CHRONICLE

OrderID:	Q2010	**OrderDate:**	5/9/2025 4:00:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2010-01	**TP-10**	**SOIL**			**05/08/25**			**05/09/25**
			SVOC-TCL BNA -20	8270E		05/13/25	05/16/25	
Q2010-02	**TP-13**	**SOIL**			**05/08/25**			**05/09/25**
			SVOC-TCL BNA -20	8270E		05/13/25	05/15/25	
Q2010-03	**TP-14**	**SOIL**			**05/08/25**			**05/09/25**
			SVOC-TCL BNA -20	8270E		05/13/25	05/15/25	
Q2010-04	**TP-17**	**SOIL**			**05/08/25**			**05/09/25**
			SVOC-TCL BNA -20	8270E		05/13/25	05/15/25	

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q2010 **Order ID:** Q2010

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**TP-10**							
Q2010-01	TP-10	SOIL	alpha-Chlordane	0.52	JP	0.13	1.80	ug/kg
Q2010-01	TP-10	SOIL	gamma-Chlordane	0.26	J	0.16	1.80	ug/kg
			Total Concentration:	**0.780**				

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:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-10	SDG No.:	Q2010
Lab Sample ID:	Q2010-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	93.3 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
PD088528.D	1	05/13/25 08:30	05/13/25 17:43	PB167959

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	0.19	U	0.19	1.80	ug/kg
319-86-8	delta-BHC	0.42	U	0.42	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.80	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.80	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.20	U	0.20	1.80	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.80	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.80	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.80	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.80	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	0.15	U	0.15	1.80	ug/kg
72-43-5	Methoxychlor	0.40	U	0.40	1.80	ug/kg
53494-70-5	Endrin ketone	0.20	U	0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.40	U	0.40	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.52	JP	0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.26	J	0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.80	U	5.80	35.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.7		20 - 144	58%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.8		19 - 148	64%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-10	SDG No.:	Q2010
Lab Sample ID:	Q2010-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	93.3 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
PD088528.D	1	05/13/25 08:30	05/13/25 17:43	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:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-13	SDG No.:	Q2010
Lab Sample ID:	Q2010-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	84.4 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
PD088529.D	1	05/13/25 08:30	05/13/25 17:56	PB167959

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.46	U	0.46	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.17	U	0.17	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	2.00	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.00	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.00	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.00	ug/kg
72-20-8	Endrin	0.17	U	0.17	2.00	ug/kg
33213-65-9	Endosulfan II	0.34	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	0.17	U	0.17	2.00	ug/kg
72-43-5	Methoxychlor	0.44	U	0.44	2.00	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.44	U	0.44	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.18	U	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.40	U	6.40	39.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.2		20 - 144	76%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.6		19 - 148	88%	SPK: 20

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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-13	SDG No.:	Q2010
Lab Sample ID:	Q2010-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	84.4 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
PD088529.D	1	05/13/25 08:30	05/13/25 17:56	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:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-14	SDG No.:	Q2010
Lab Sample ID:	Q2010-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	80.7 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088530.D	1	05/13/25 08:30	05/13/25 18:10	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	0.24	U	0.24	2.10	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.10	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.10	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.10	ug/kg
72-20-8	Endrin	0.17	U	0.17	2.10	ug/kg
33213-65-9	Endosulfan II	0.36	U	0.36	2.10	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	2.10	ug/kg
1031-07-8	Endosulfan Sulfate	0.16	U	0.16	2.10	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.10	ug/kg
72-43-5	Methoxychlor	0.46	U	0.46	2.10	ug/kg
53494-70-5	Endrin ketone	0.24	U	0.24	2.10	ug/kg
7421-93-4	Endrin aldehyde	0.46	U	0.46	2.10	ug/kg
5103-71-9	alpha-Chlordane	0.15	U	0.15	2.10	ug/kg
5103-74-2	gamma-Chlordane	0.19	U	0.19	2.10	ug/kg
8001-35-2	Toxaphene	6.70	U	6.70	40.9	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.5		20 - 144	83%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.3		19 - 148	91%	SPK: 20

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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-14	SDG No.:	Q2010
Lab Sample ID:	Q2010-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	80.7 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088530.D	1	05/13/25 08:30	05/13/25 18:10	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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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:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-17	SDG No.:	Q2010
Lab Sample ID:	Q2010-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	77.4 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
PD088531.D	1	05/13/25 08:30	05/13/25 18:24	PB167959

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.17	U	0.17	2.20	ug/kg
319-85-7	beta-BHC	0.23	U	0.23	2.20	ug/kg
319-86-8	delta-BHC	0.50	U	0.50	2.20	ug/kg
58-89-9	gamma-BHC (Lindane)	0.18	U	0.18	2.20	ug/kg
76-44-8	Heptachlor	0.15	U	0.15	2.20	ug/kg
309-00-2	Aldrin	0.15	U	0.15	2.20	ug/kg
1024-57-3	Heptachlor epoxide	0.25	U	0.25	2.20	ug/kg
959-98-8	Endosulfan I	0.18	U	0.18	2.20	ug/kg
60-57-1	Dieldrin	0.18	U	0.18	2.20	ug/kg
72-55-9	4,4-DDE	0.18	U	0.18	2.20	ug/kg
72-20-8	Endrin	0.18	U	0.18	2.20	ug/kg
33213-65-9	Endosulfan II	0.37	U	0.37	2.20	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	2.20	ug/kg
1031-07-8	Endosulfan Sulfate	0.17	U	0.17	2.20	ug/kg
50-29-3	4,4-DDT	0.18	U	0.18	2.20	ug/kg
72-43-5	Methoxychlor	0.48	U	0.48	2.20	ug/kg
53494-70-5	Endrin ketone	0.25	U	0.25	2.20	ug/kg
7421-93-4	Endrin aldehyde	0.48	U	0.48	2.20	ug/kg
5103-71-9	alpha-Chlordane	0.15	U	0.15	2.20	ug/kg
5103-74-2	gamma-Chlordane	0.19	U	0.19	2.20	ug/kg
8001-35-2	Toxaphene	7.00	U	7.00	42.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.8		20 - 144	74%	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:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-17	SDG No.:	Q2010
Lab Sample ID:	Q2010-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	77.4 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
PD088531.D	1	05/13/25 08:30	05/13/25 18:24	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
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() = Laboratory InHouse Limit

QC SUMMARY

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Surrogate Summary

SDG No.: Q2010

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-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
		Decachlorobiphenyl	2	20	20.6	103		20	144
		Tetrachloro-m-xylene	2	20	21.3	106		19	148
Q2010-01	TP-10	Decachlorobiphenyl	1	20	11.7	58		20	144
		Tetrachloro-m-xylene	1	20	12.8	64		19	148
		Decachlorobiphenyl	2	20	9.76	49		20	144
		Tetrachloro-m-xylene	2	20	12.1	61		19	148
Q2010-02	TP-13	Decachlorobiphenyl	1	20	15.2	76		20	144
		Tetrachloro-m-xylene	1	20	17.6	88		19	148
		Decachlorobiphenyl	2	20	13.7	68		20	144
		Tetrachloro-m-xylene	2	20	16.9	85		19	148
Q2010-03	TP-14	Decachlorobiphenyl	1	20	16.5	83		20	144
		Tetrachloro-m-xylene	1	20	18.3	91		19	148
		Decachlorobiphenyl	2	20	13.5	68		20	144
		Tetrachloro-m-xylene	2	20	17.5	88		19	148
Q2010-04	TP-17	Decachlorobiphenyl	1	20	14.8	74		20	144
		Tetrachloro-m-xylene	1	20	18.4	92		19	148
		Decachlorobiphenyl	2	20	13.1	65		20	144
		Tetrachloro-m-xylene	2	20	17.7	88		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

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Surrogate Summary

SDG No.: Q2010

Client: CDM Smith

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
Q1984-01MS	OU4-PCS-TC-33-050725MS	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.: Q2010 **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	Limits RPD
Q1984-01MS	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	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2010 **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
Q1984-01MSD	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

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2010

Client: CDM Smith

Analytical Method: 8081B **Datafile :** PD088526.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167959BS	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	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167959BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

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-10	Q2010-01	PD088528.D	05/13/2025	05/13/2025
TP-13	Q2010-02	PD088529.D	05/13/2025	05/13/2025
TP-14	Q2010-03	PD088530.D	05/13/2025	05/13/2025
TP-17	Q2010-04	PD088531.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:	PB167959BL	SDG No.:	Q2010
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.:	Q2010
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.:	Q2010
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.:	Q2010
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:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	PIBLK-PD088523.D	SDG No.:	Q2010
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.:	Q2010
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.:	Q2010
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.:	Q2010
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.:	Q2010
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.:	Q2010
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.:	Q2010
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.:	Q2010
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
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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:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB167959BS	SDG No.:	Q2010
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.:	Q2010
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
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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.:	Q2010
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.:	Q2010
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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-33-050725MSD	SDG No.:	Q2010
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.:	Q2010
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
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J = Estimated Value
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CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/13/2025

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/13/2025

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/13/2025

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/13/2025

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 05/15/2025

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 05/15/2025

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL04 **Date Analyzed:** 05/15/2025

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL04 **Date Analyzed:** 05/15/2025

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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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010

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
PEM	PEM	05/13/2025	09:41	PD088498.D	9.07	3.55
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-10	Q2010-01	05/13/2025	17:43	PD088528.D	9.07	3.55
TP-13	Q2010-02	05/13/2025	17:56	PD088529.D	9.07	3.55
TP-14	Q2010-03	05/13/2025	18:10	PD088530.D	9.07	3.55
TP-17	Q2010-04	05/13/2025	18:24	PD088531.D	9.07	3.55
I.BLK	I.BLK	05/13/2025	19:18	PD088535.D	9.07	3.55
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.:** Q2010

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
PEM	PEM	05/13/2025	09:41	PD088498.D	8.07	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-10	Q2010-01	05/13/2025	17:43	PD088528.D	8.08	2.88
TP-13	Q2010-02	05/13/2025	17:56	PD088529.D	8.07	2.88
TP-14	Q2010-03	05/13/2025	18:10	PD088530.D	8.08	2.88
TP-17	Q2010-04	05/13/2025	18:24	PD088531.D	8.07	2.88
I.BLK	I.BLK	05/13/2025	19:18	PD088535.D	8.07	2.88
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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
OU4-PCS-TC-33-050725MSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.
PB167959BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-10

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

Lab Sample ID: Q2010-01 **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
alpha-Chlordane	1	6.03	5.98	6.08	0.52	82.7
	2	5.19	5.14	5.24	0.22	

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088528.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 17:43
Operator : AR\AJ
Sample : Q2010-01
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-10

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:45:31 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	25553773	177.5E6	12.794	12.137
28)	SA Decachlor...	9.073	8.075	38643144	180.4E6	11.681	9.759
	Target Compounds						
10)	B gamma-Chl...	5.945	5.127	2653914	6828193	0.733m	0.336m#
11)	B alpha-Chl...	6.032	5.191	5312115	11904358	1.472	0.607m#

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

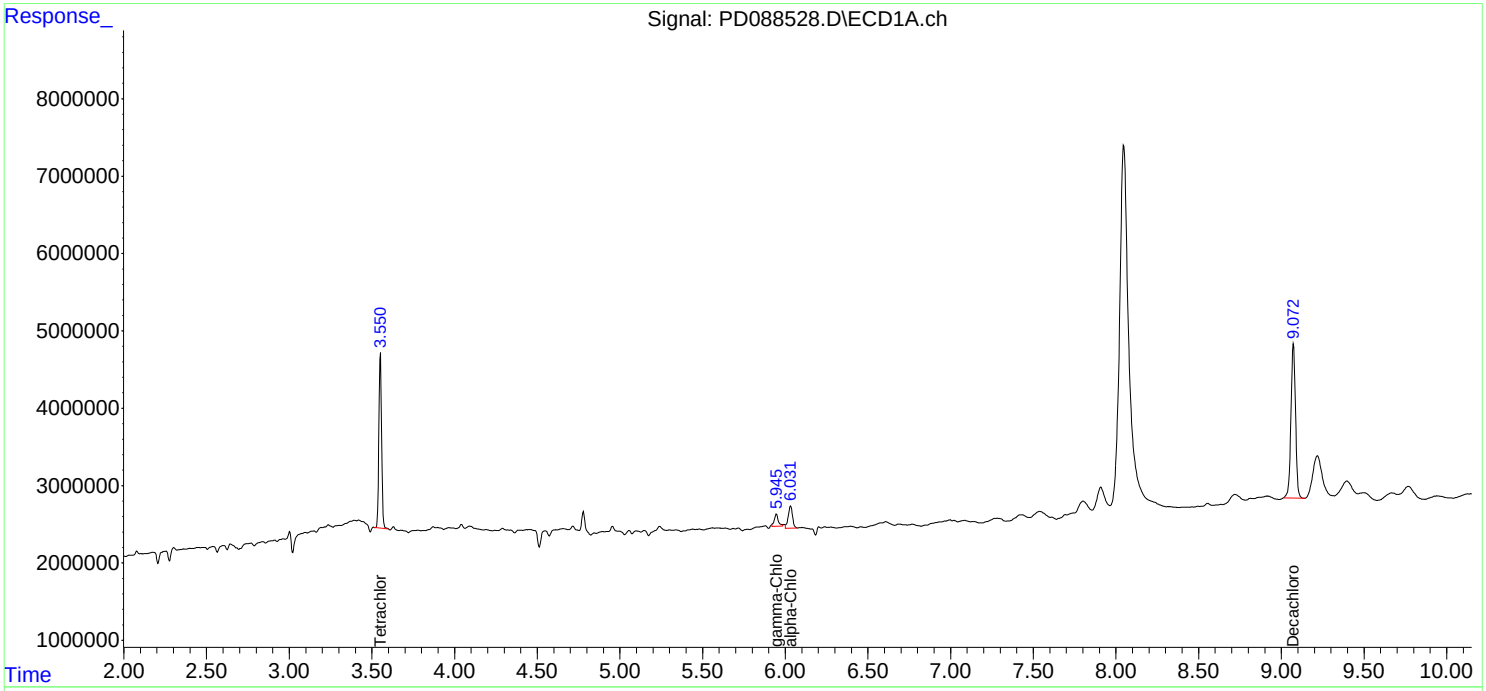
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088528.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 17:43
Operator : AR\AJ
Sample : Q2010-01
Misc :
ALS Vial : 29 Sample Multiplier: 1

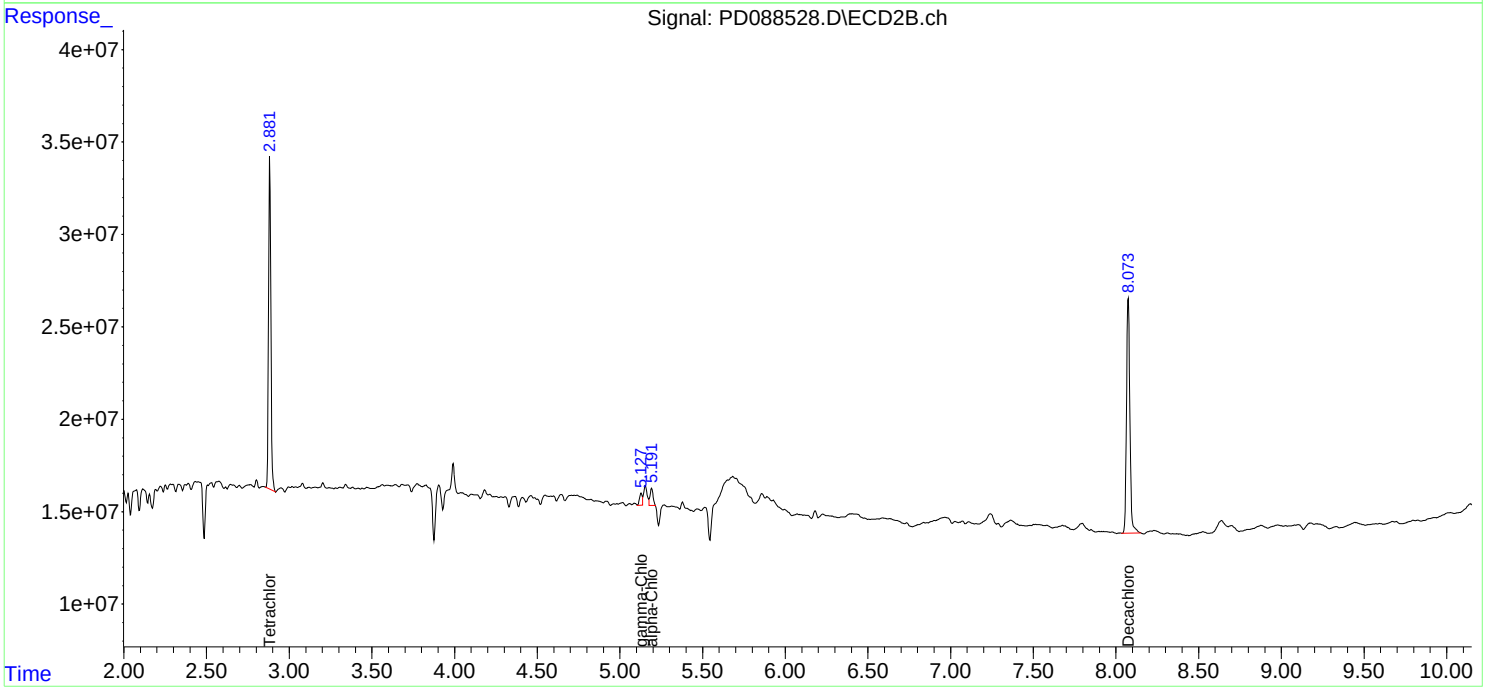
Instrument :
ECD_D
ClientSampleId :
TP-10

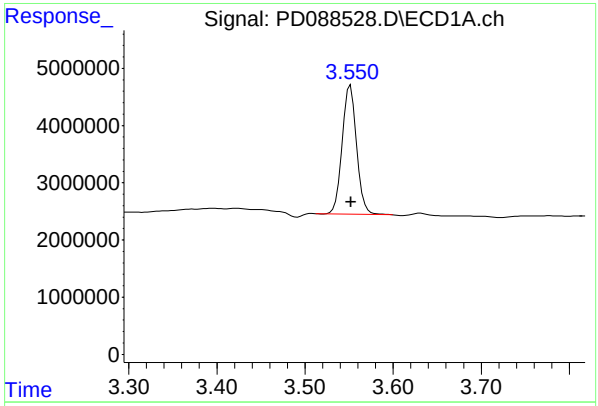
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:45:31 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







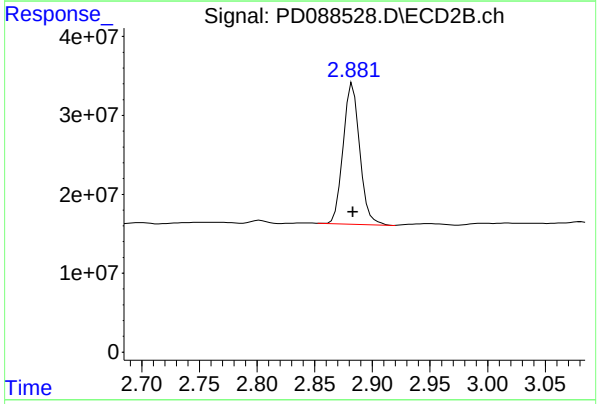
#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.000 mi
Response: 25553773
Conc: 12.79 ng/m

Instrument :
ECD_D
ClientSampleId :
TP-10

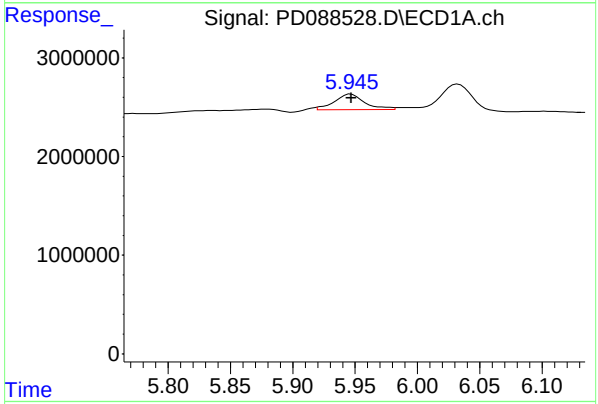
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/15/2025



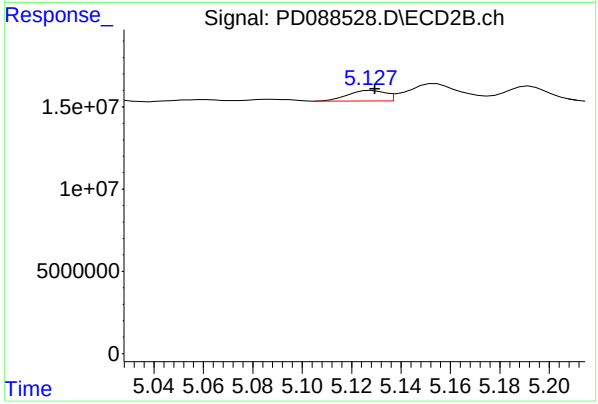
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 177460689
Conc: 12.14 ng/ml



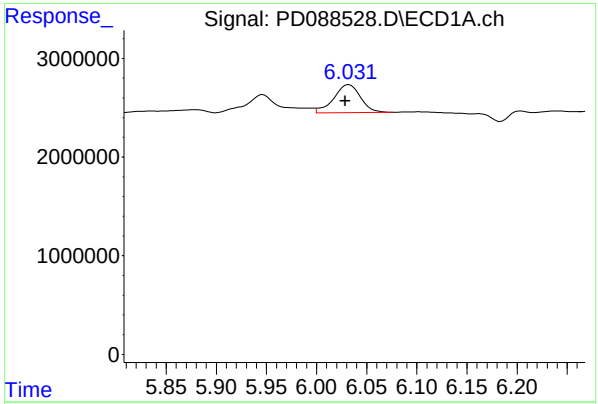
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: -0.002 min
Response: 2653914
Conc: 0.73 ng/ml m



#10 gamma-Chlordane

R.T.: 5.127 min
Delta R.T.: -0.003 min
Response: 6828193
Conc: 0.34 ng/ml m



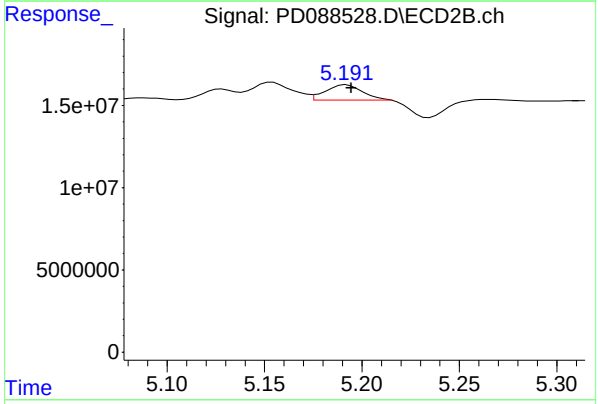
#11 alpha-Chlordane

R.T.: 6.032 min
Delta R.T.: 0.004 min
Response: 5312115
Conc: 1.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-10

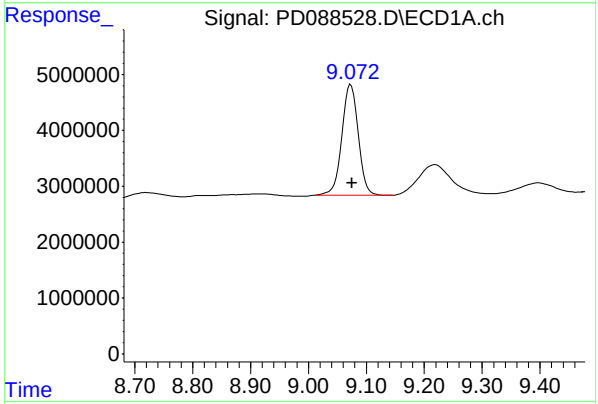
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/15/2025



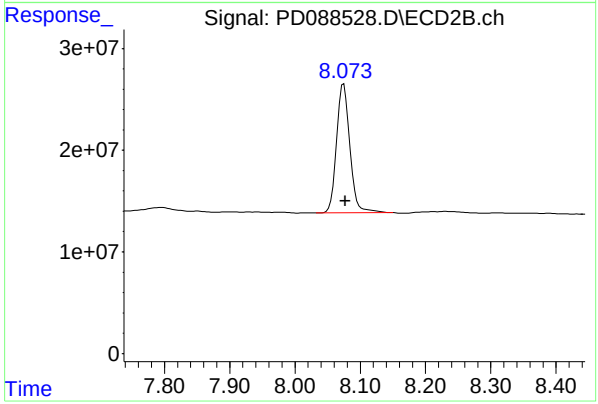
#11 alpha-Chlordane

R.T.: 5.191 min
Delta R.T.: -0.004 min
Response: 11904358
Conc: 0.61 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.002 min
Response: 38643144
Conc: 11.68 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 180351583
Conc: 9.76 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088529.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 17:56
Operator : AR\AJ
Sample : Q2010-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-13

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:45:49 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...	3.552	2.883	35261773	247.3E6	17.654	16.911
28)	SA Decachlor...	9.073	8.074	50312664	252.4E6	15.209	13.659
	Target Compounds						

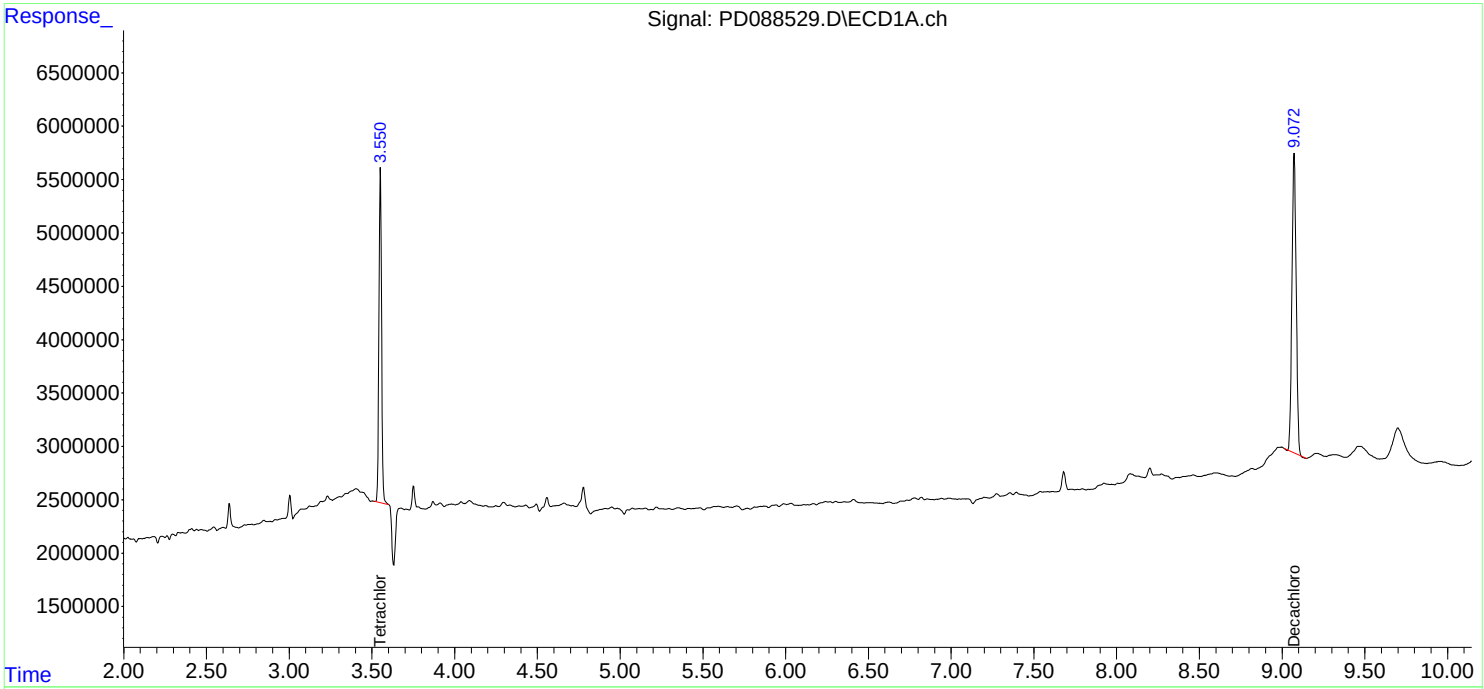
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

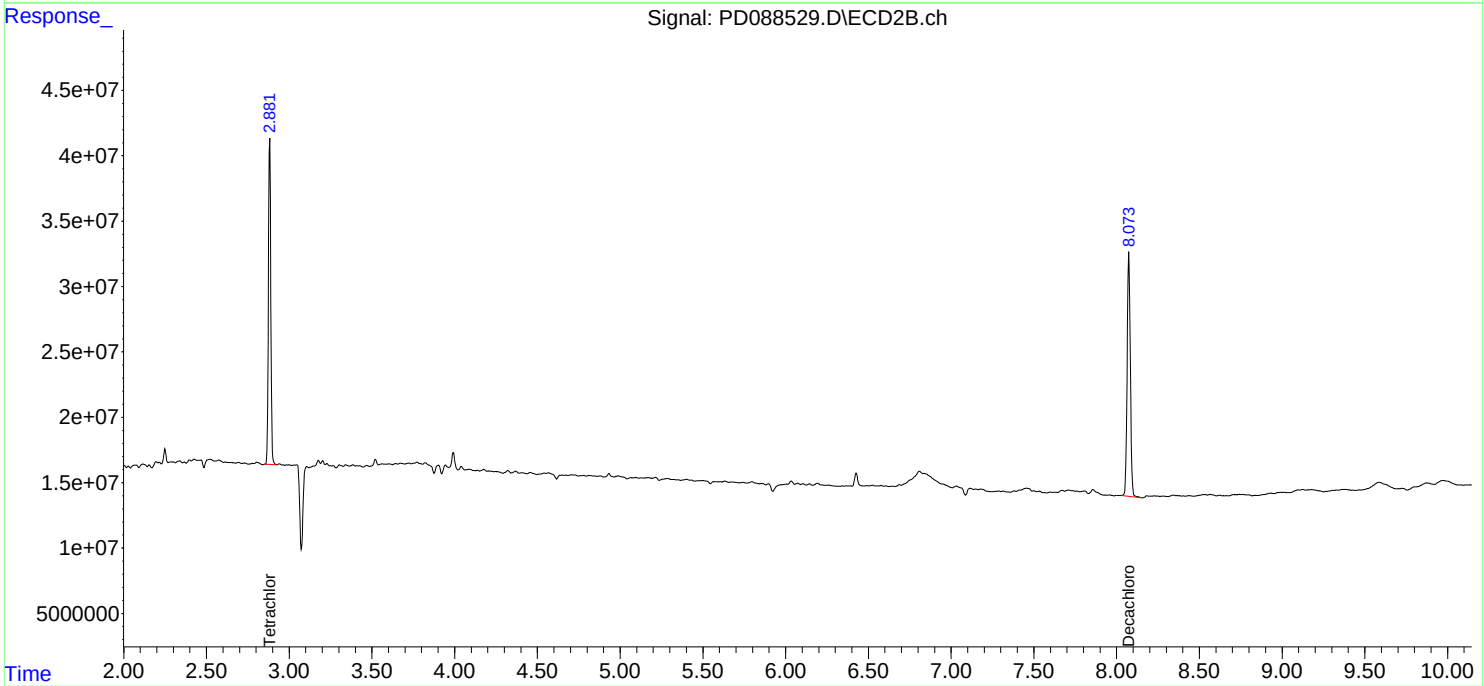
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088529.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 17:56
Operator : AR\AJ
Sample : Q2010-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

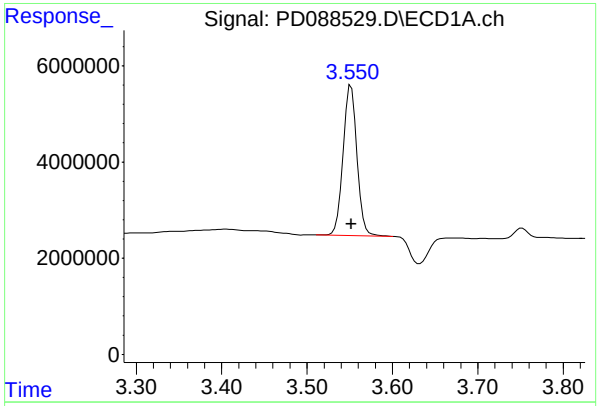
Instrument :
ECD_D
ClientSampleId :
TP-13

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:45:49 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



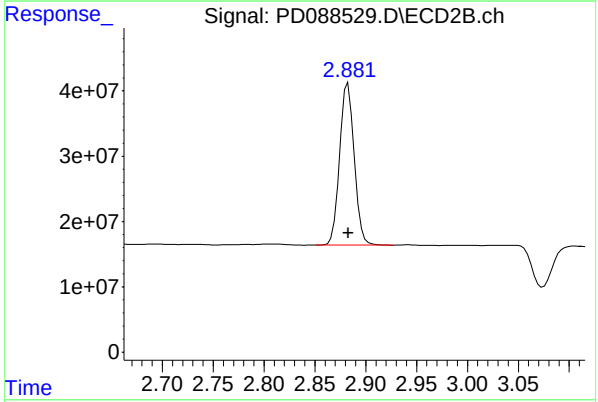




#1 Tetrachloro-m-xylene

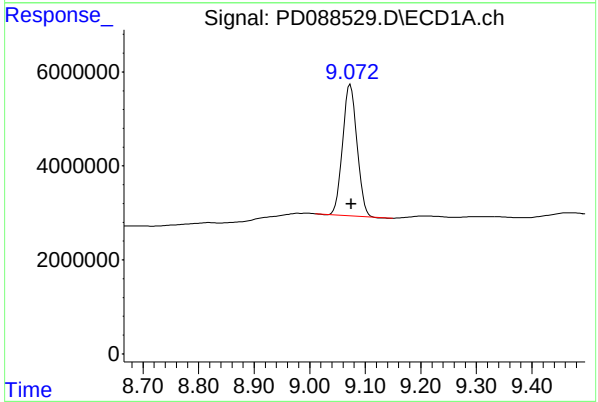
R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 35261773
Conc: 17.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-13



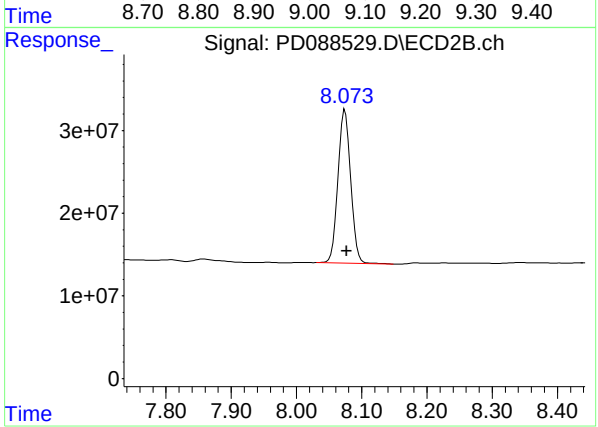
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 247259317
Conc: 16.91 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.002 min
Response: 50312664
Conc: 15.21 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.002 min
Response: 252407238
Conc: 13.66 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088530.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 18:10
Operator : AR\AJ
Sample : Q2010-03
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-14

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:46:05 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	36525762	255.8E6	18.287	17.497
28)	SA Decachlor...	9.074	8.075	54624644	249.8E6	16.512	13.515
	Target Compounds						

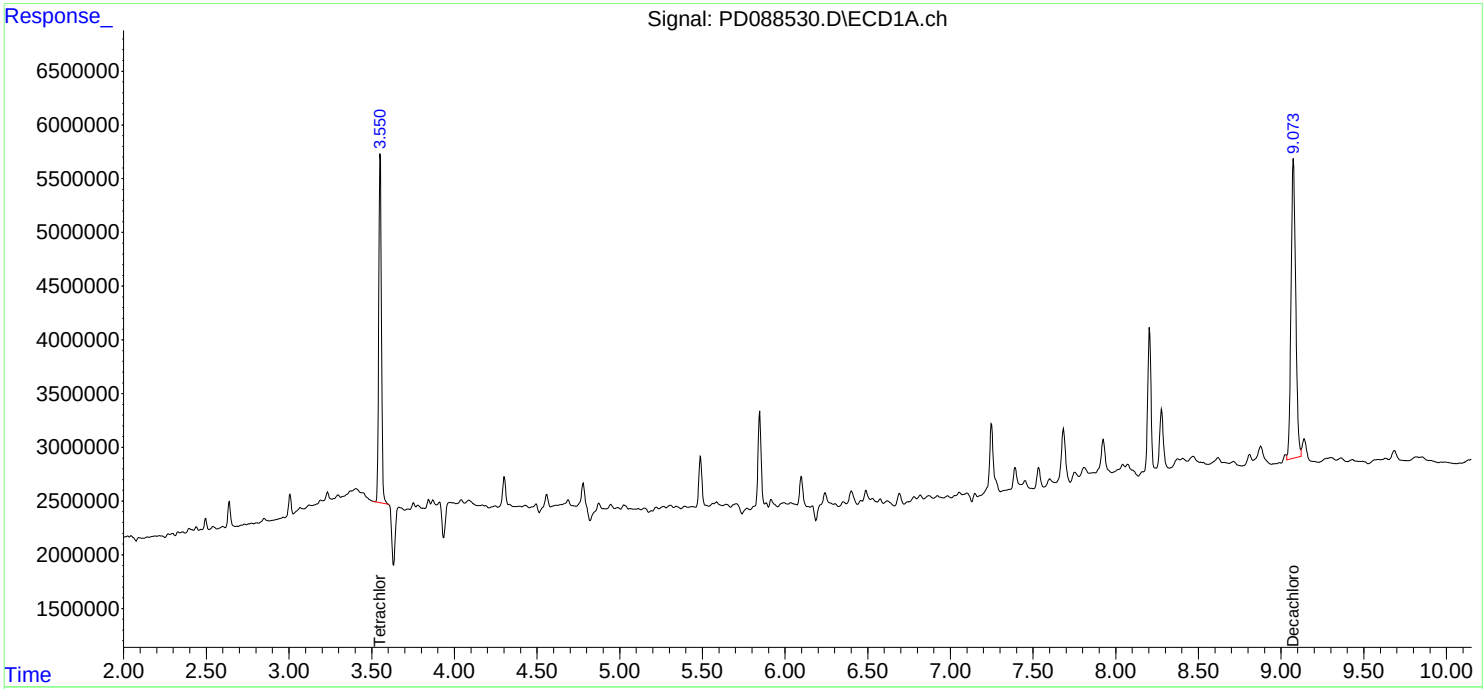
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

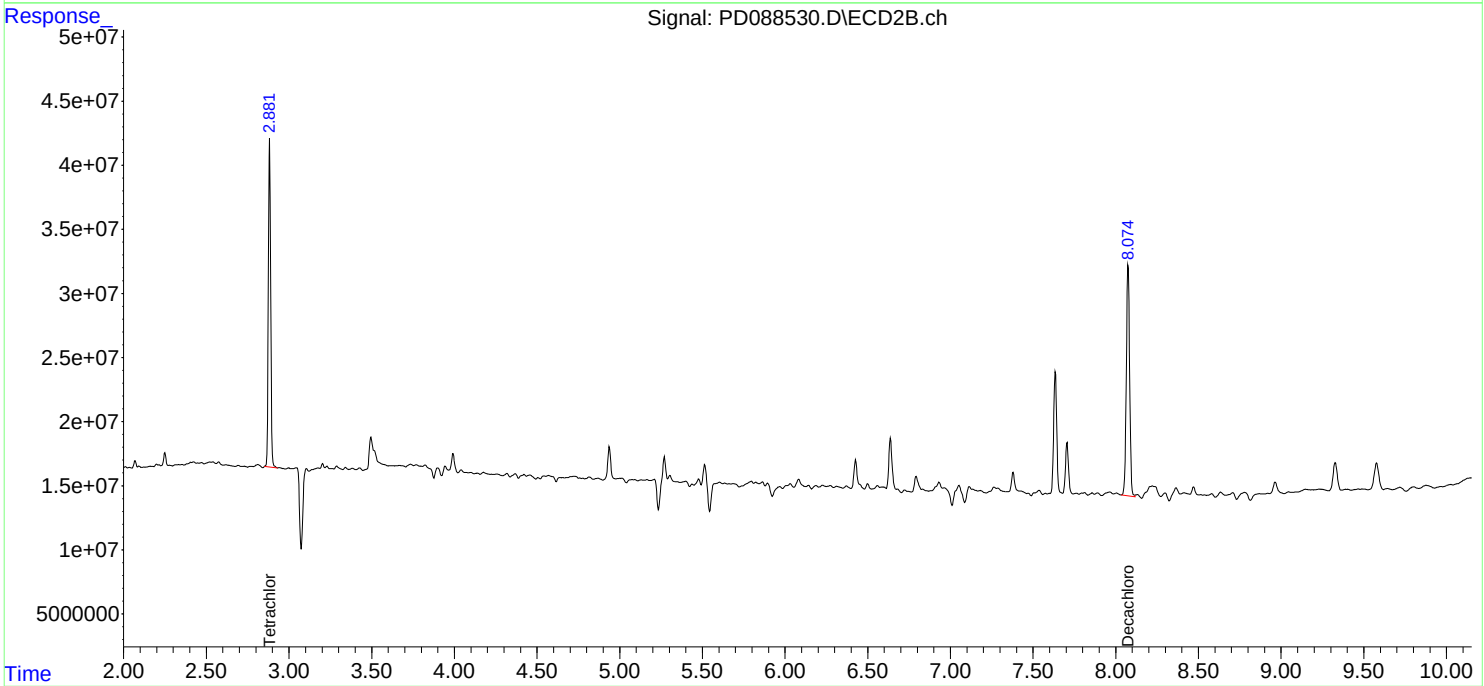
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088530.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 18:10
Operator : AR\AJ
Sample : Q2010-03
Misc :
ALS Vial : 31 Sample Multiplier: 1

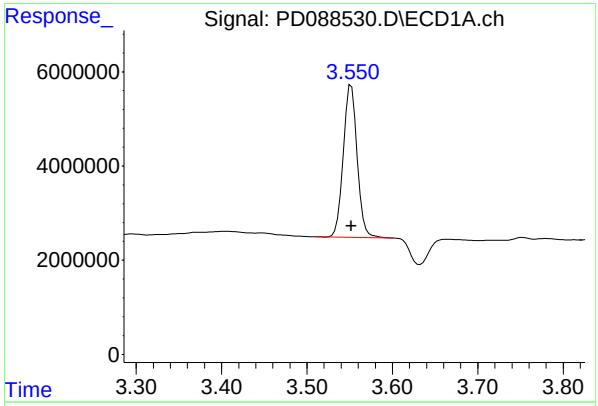
Instrument :
ECD_D
ClientSampleId :
TP-14

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:46:05 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



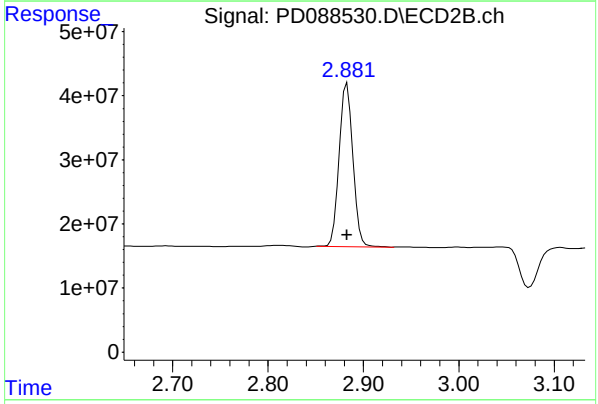




#1 Tetrachloro-m-xylene

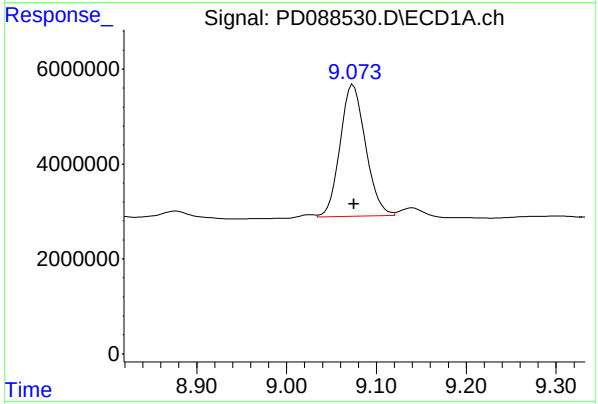
R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 36525762
Conc: 18.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-14



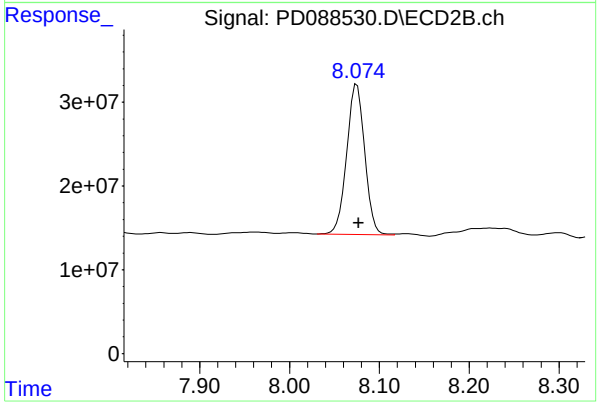
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 255827507
Conc: 17.50 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.000 min
Response: 54624644
Conc: 16.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 249759550
Conc: 13.52 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088531.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 18:24
Operator : AR\AJ
Sample : Q2010-04
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-17

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:46:19 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	36816196	258.3E6	18.432	17.669
28)	SA Decachlor...	9.073	8.074	48797950	241.6E6	14.751	13.073
	Target Compounds						

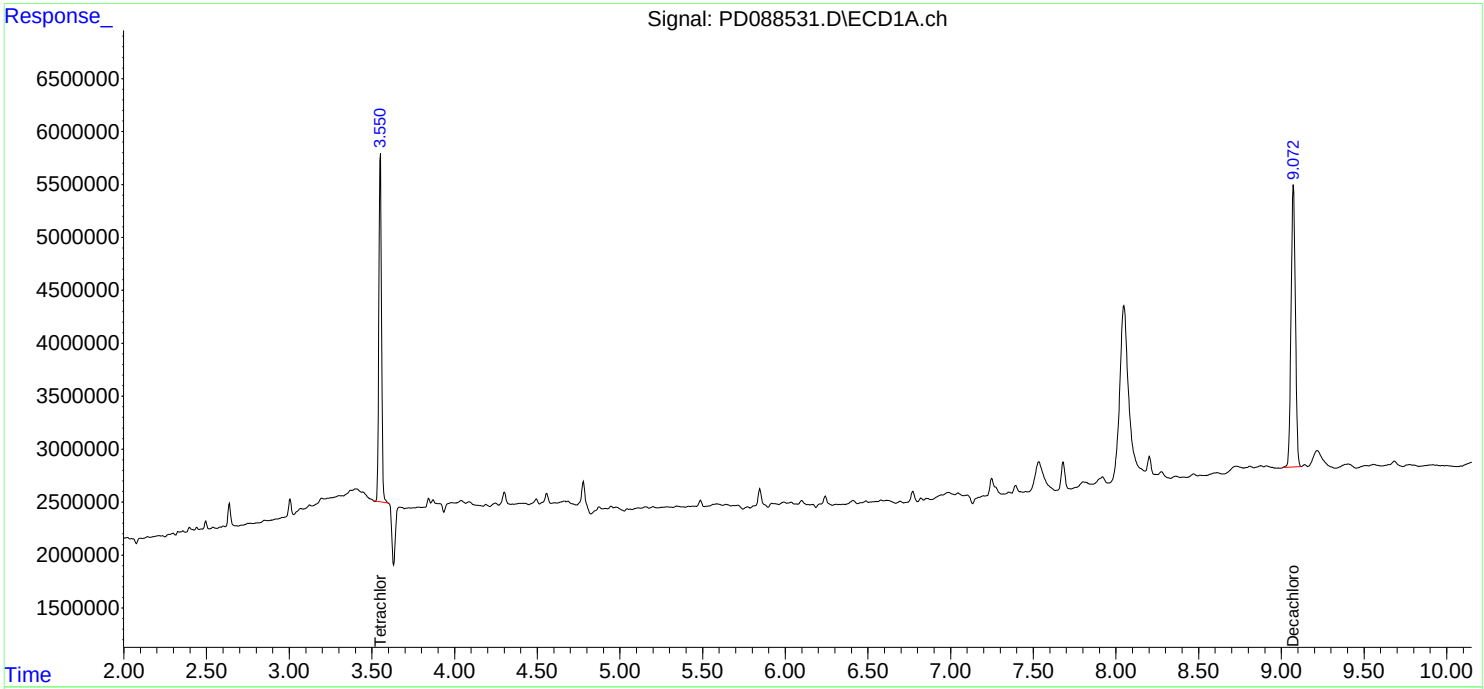
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

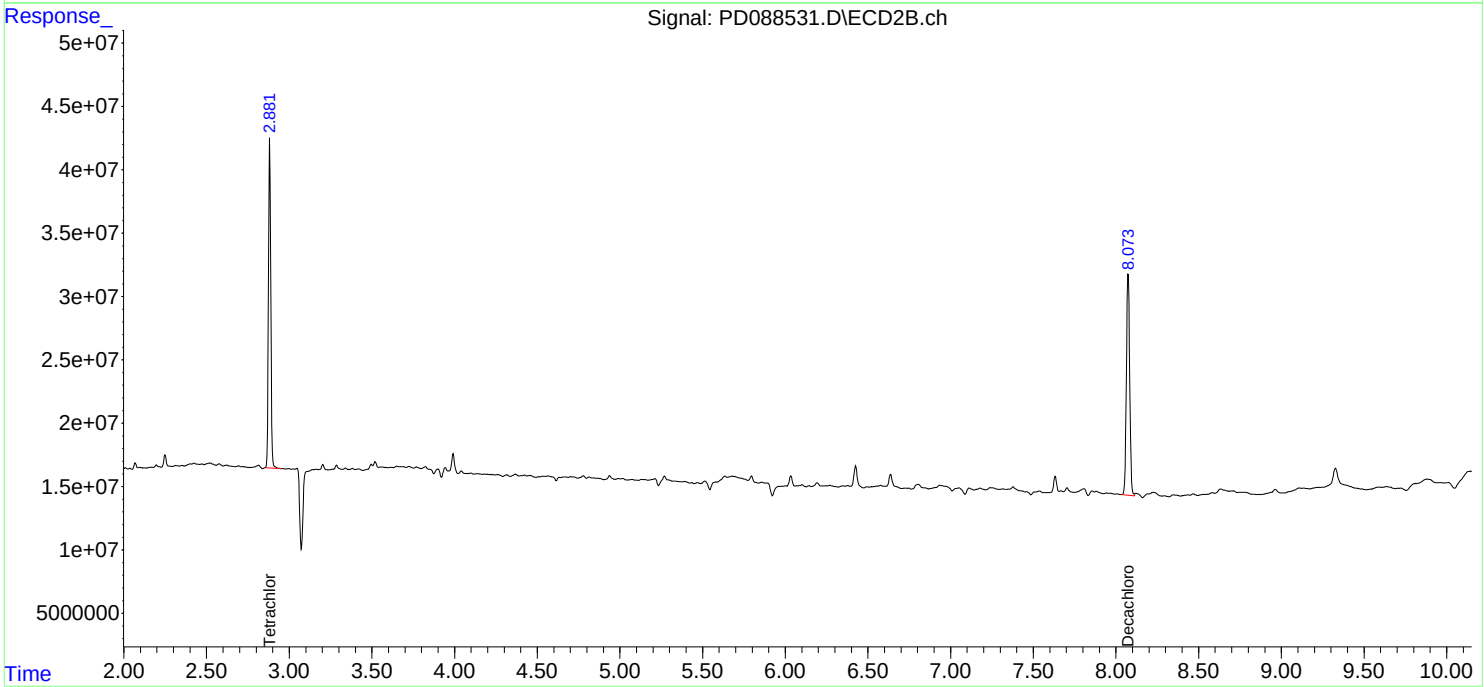
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088531.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 18:24
Operator : AR\AJ
Sample : Q2010-04
Misc :
ALS Vial : 32 Sample Multiplier: 1

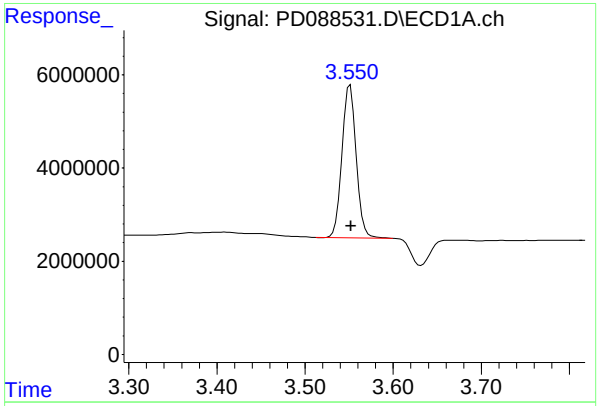
Instrument :
ECD_D
ClientSampleId :
TP-17

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:46:19 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



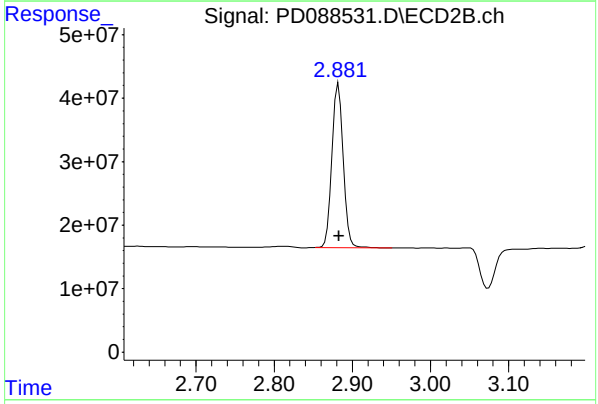




#1 Tetrachloro-m-xylene

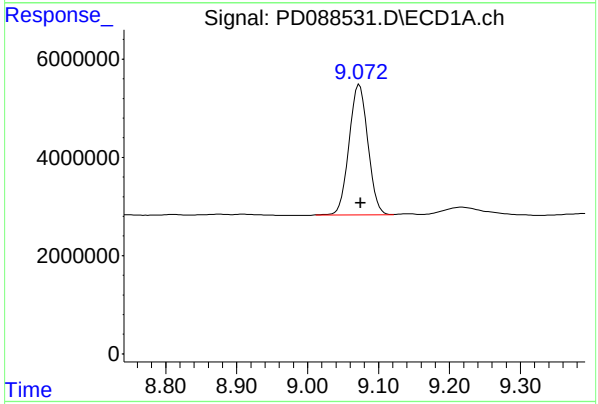
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 36816196
Conc: 18.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-17



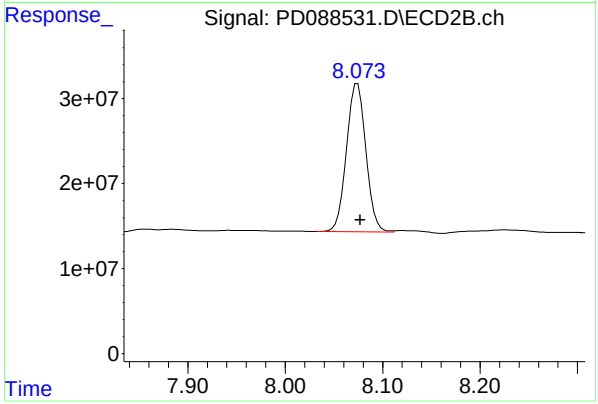
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 258349454
Conc: 17.67 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.002 min
Response: 48797950
Conc: 14.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.003 min
Response: 241581965
Conc: 13.07 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						

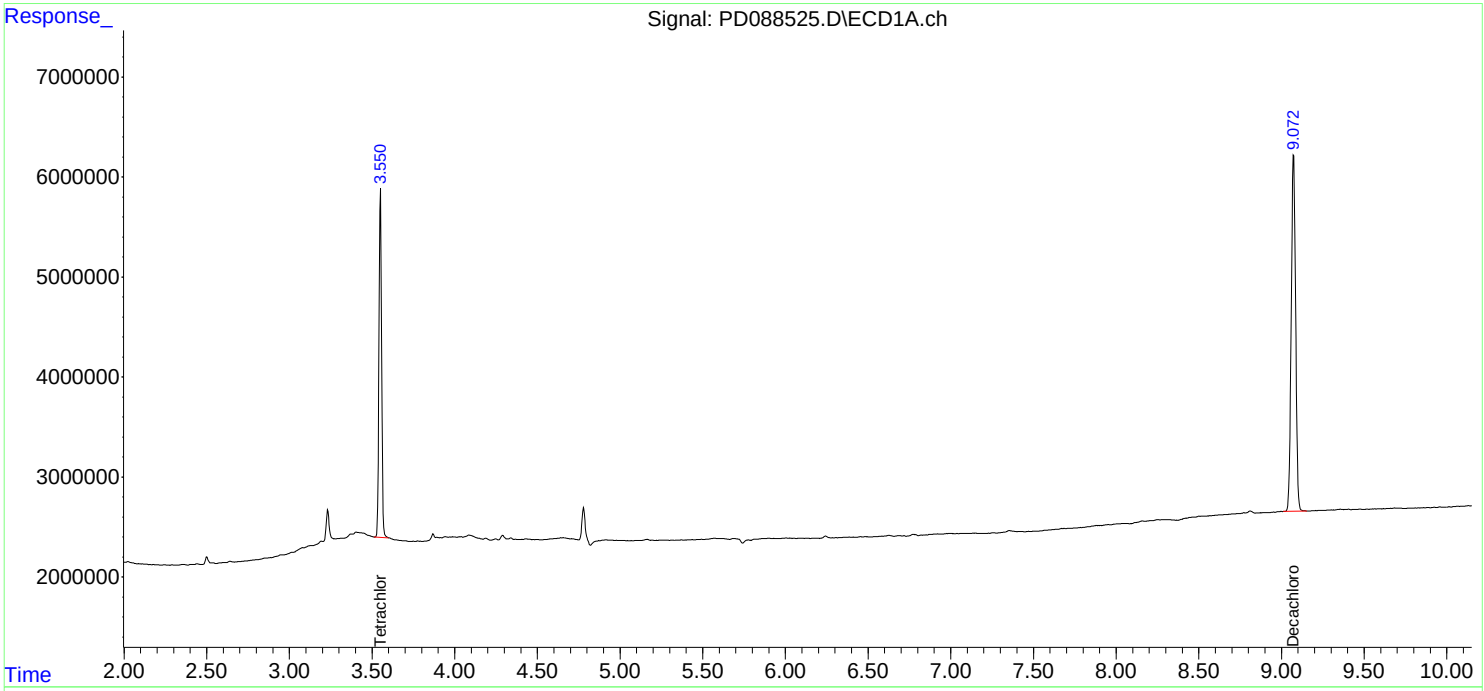
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

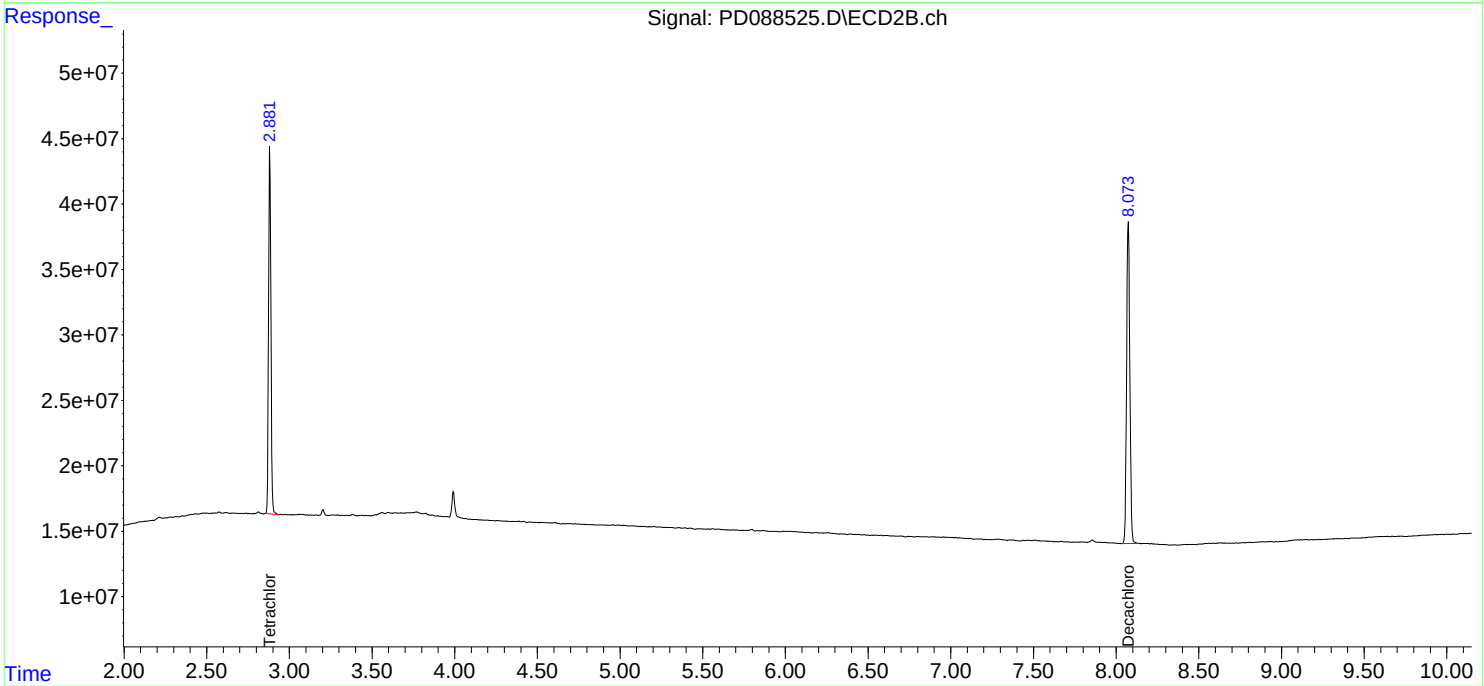
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088525.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 17:02
Operator : AR\AJ
Sample : PB167959BL
Misc :
ALS Vial : 26 Sample Multiplier: 1

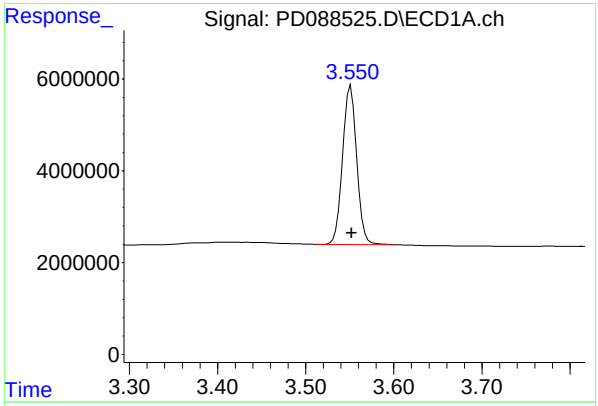
Instrument :
ECD_D
ClientSampleId :
PB167959BL

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



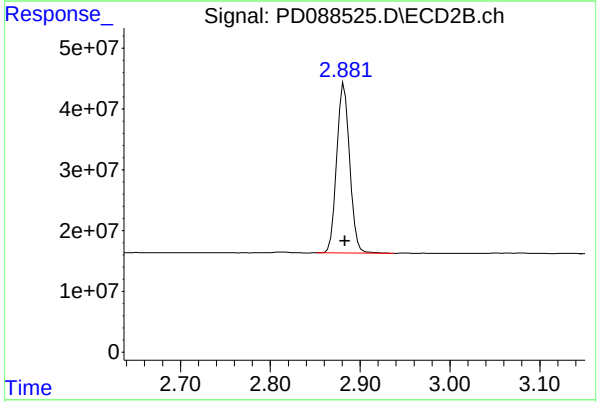




#1 Tetrachloro-m-xylene

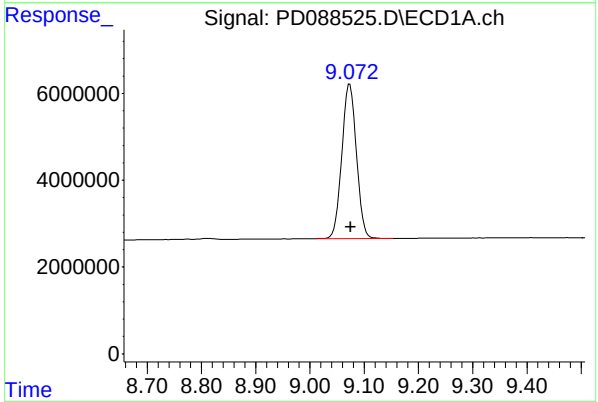
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 38568145
Conc: 19.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167959BL



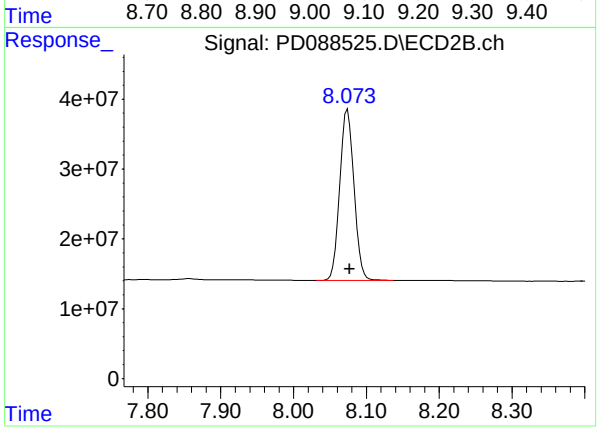
#1 Tetrachloro-m-xylene

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\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

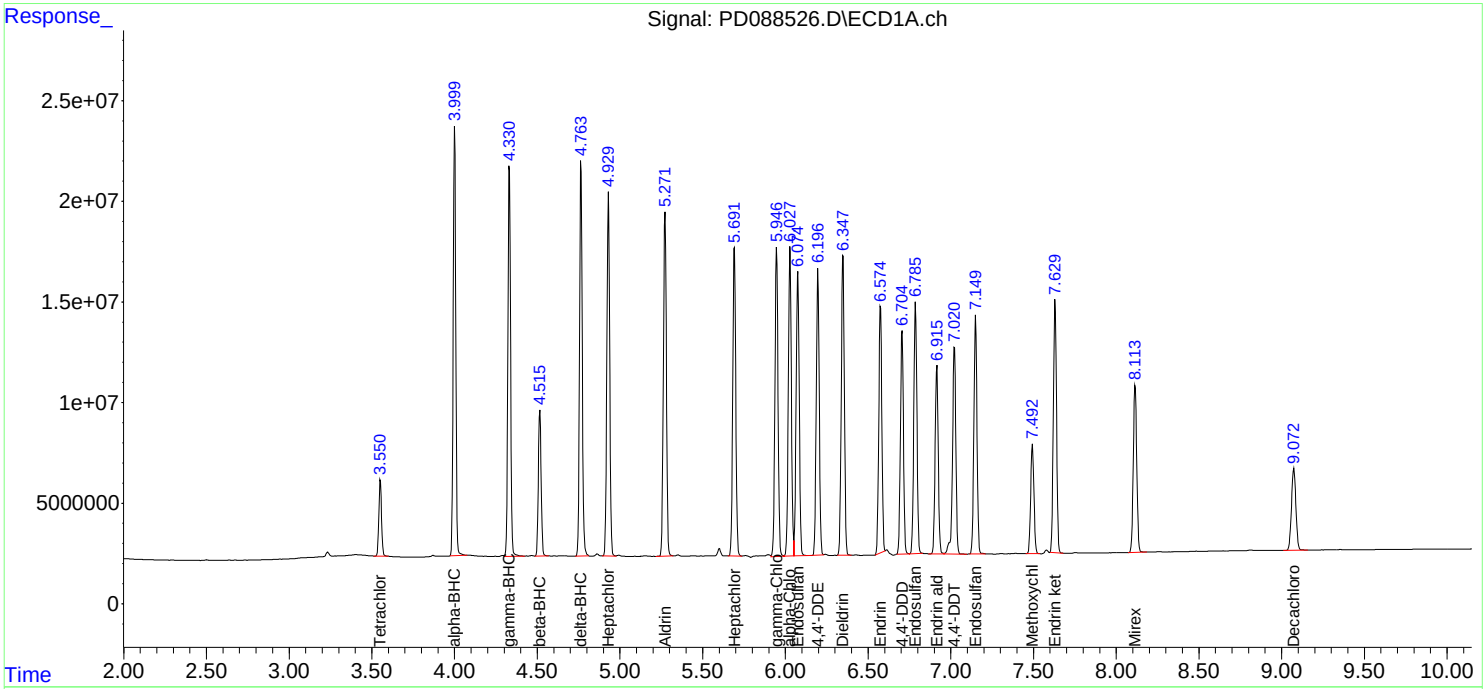
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

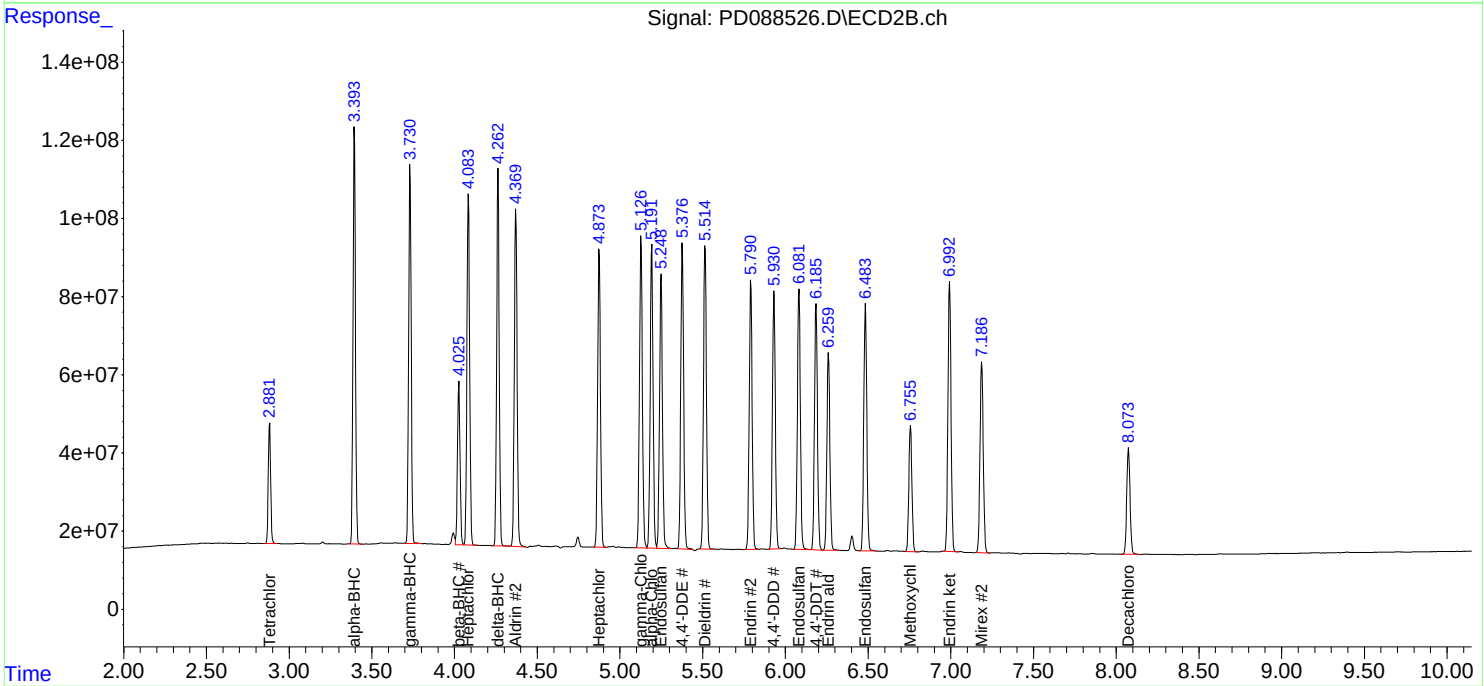
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088526.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 17:15
Operator : AR\AJ
Sample : PB167959BS
Misc :
ALS Vial : 27 Sample Multiplier: 1

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\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.

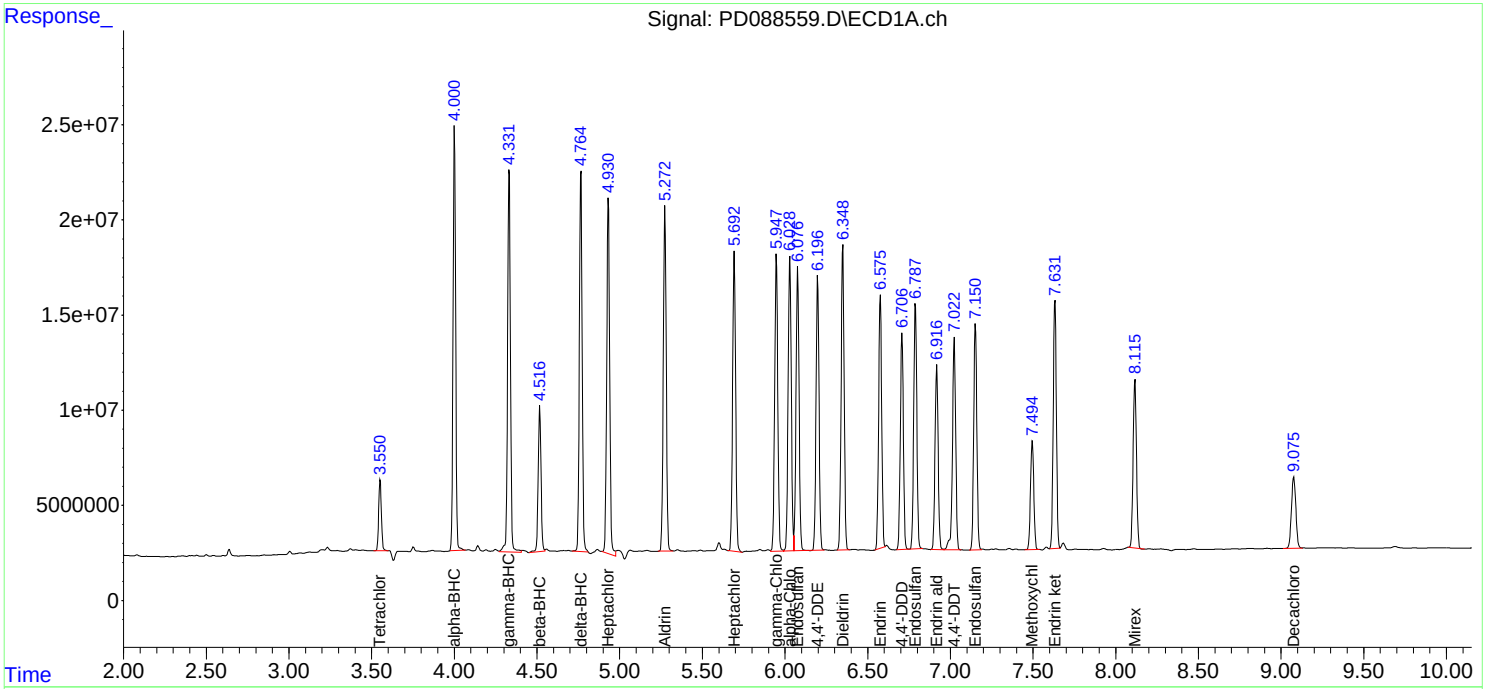
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051525\
Data File : PD088559.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 12:52
Operator : AR\AJ
Sample : Q1984-01MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

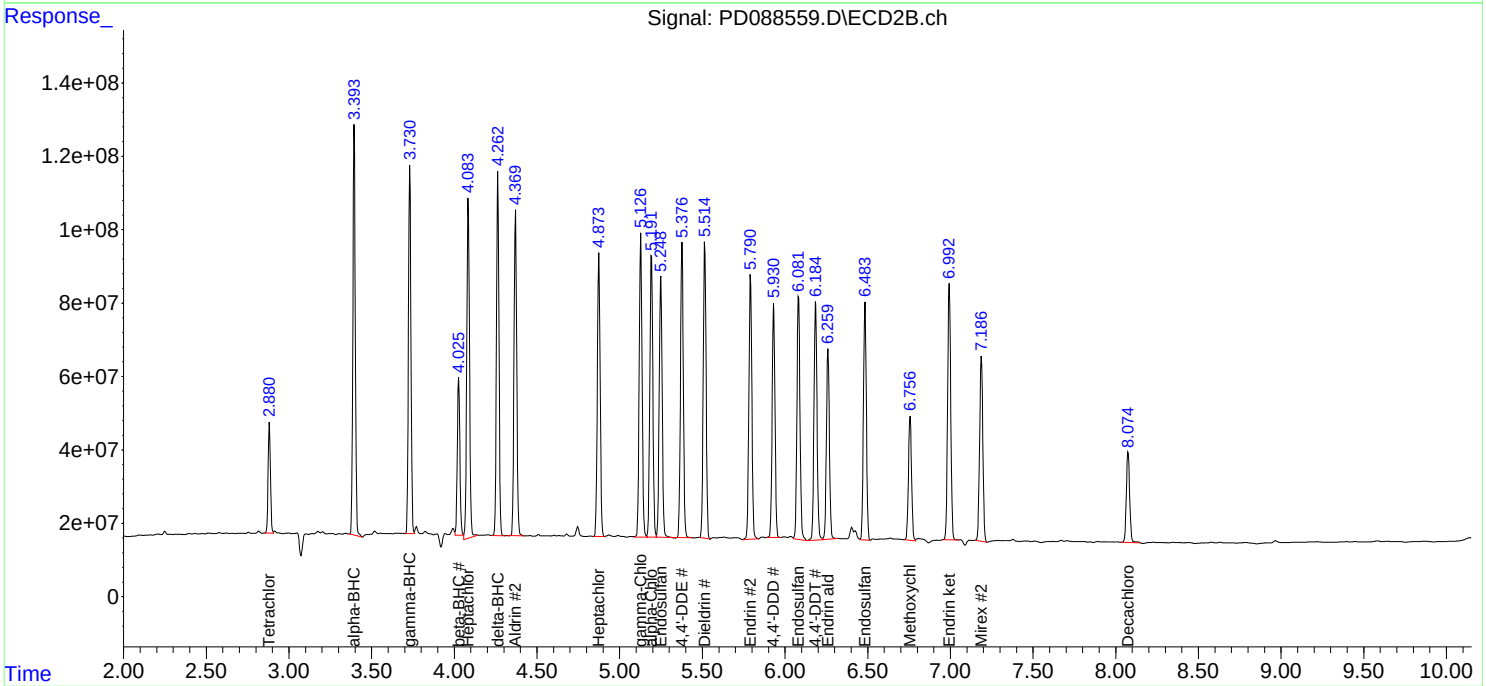
Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-33-050725MS

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\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.

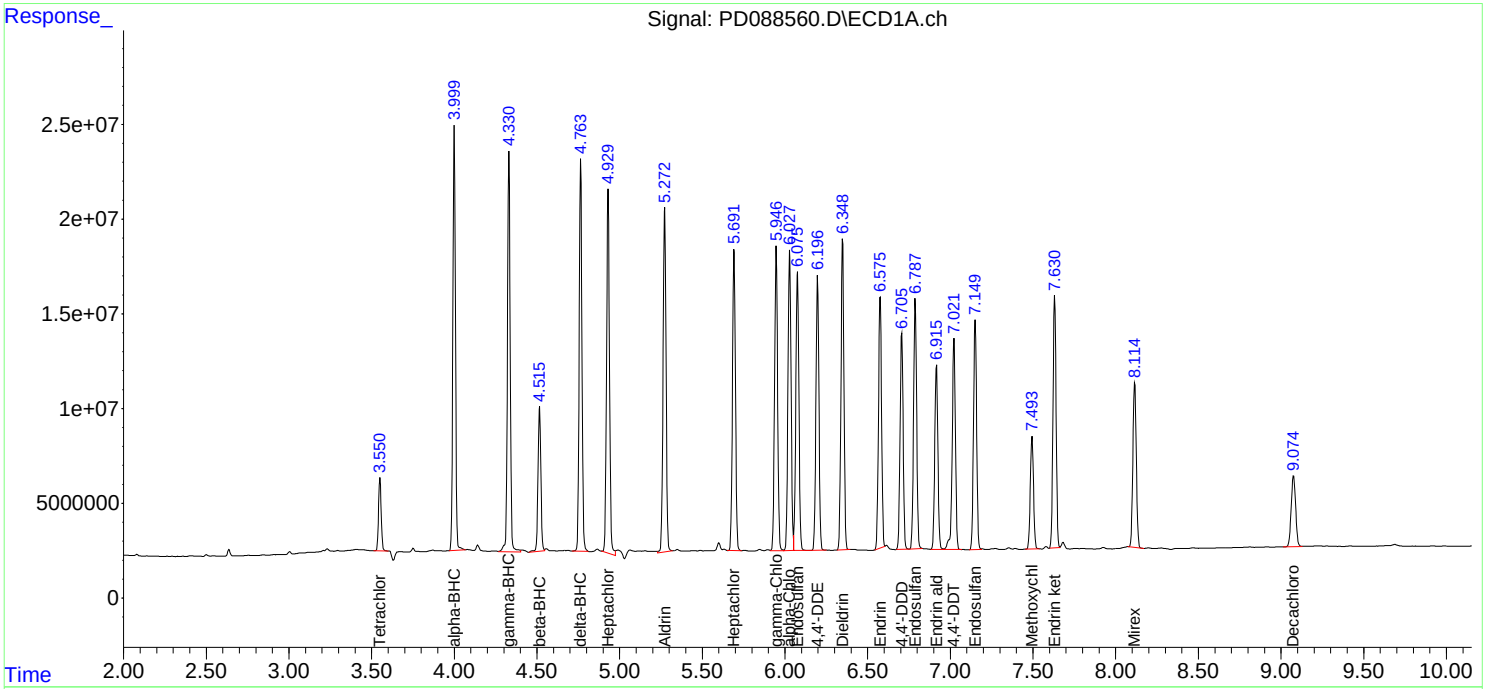
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051525\
Data File : PD088560.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 13:05
Operator : AR\AJ
Sample : Q1984-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

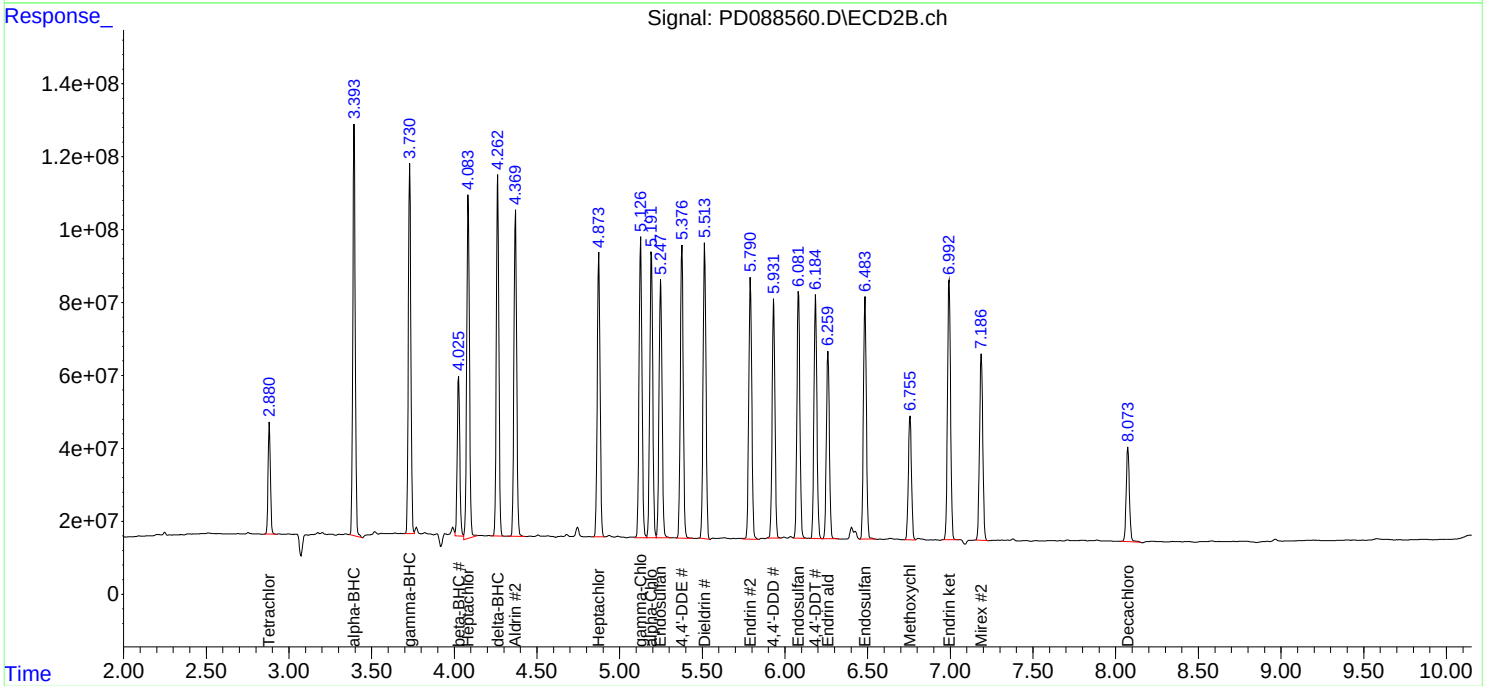
Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-33-050725MSD

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:	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	5/15/2025 3:43:10	Peak Integrated by Software
PSTDCCC050	PD088499.D	4,4"-DDE #2	Abdul	5/14/2025 8:32:36 AM	mohammad	5/15/2025 3:43:10	Peak Integrated by Software
PSTDCCC050	PD088499.D	Aldrin #2	Abdul	5/14/2025 8:32:36 AM	mohammad	5/15/2025 3:43:10	Peak Integrated by Software
PSTDCCC050	PD088515.D	4,4"-DDE #2	Abdul	5/14/2025 8:32:54 AM	mohammad	5/15/2025 3:43:10	Peak Integrated by Software
PSTDCCC050	PD088515.D	Aldrin #2	Abdul	5/14/2025 8:32:54 AM	mohammad	5/15/2025 3:43:10	Peak Integrated by Software
PSTDCCC050	PD088515.D	gamma-Chlordane	Abdul	5/14/2025 8:32:54 AM	mohammad	5/15/2025 3:43:10	Peak Integrated by Software
PSTDCCC050	PD088524.D	4,4"-DDE #2	Abdul	5/14/2025 8:33:05 AM	mohammad	5/15/2025 3:43:10	Peak Integrated by Software
PSTDCCC050	PD088524.D	Aldrin #2	Abdul	5/14/2025 8:33:05 AM	mohammad	5/15/2025 3:43:10	Peak Integrated by Software
PSTDCCC050	PD088524.D	gamma-Chlordane	Abdul	5/14/2025 8:33:05 AM	mohammad	5/15/2025 3:43:10	Peak Integrated by Software
Q2010-01	PD088528.D	alpha-Chlordane #2	Abdul	5/14/2025 6:33:10 PM	mohammad	5/15/2025 3:43:10	Peak Integrated by Software
Q2010-01	PD088528.D	gamma-Chlordane	Abdul	5/14/2025 6:33:10 PM	mohammad	5/15/2025 3:43:10	Peak Integrated by Software
Q2010-01	PD088528.D	gamma-Chlordane #2	Abdul	5/14/2025 6:33:10 PM	mohammad	5/15/2025 3:43:10	Peak Integrated by Software
PEM	PD088536.D	Endrin aldehyde	Abdul	5/14/2025 8:33:27 AM	mohammad	5/15/2025 3:43:10	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	PD088537.D	4,4"-DDE #2	Abdul	5/14/2025 8:33:30 AM	mohammad	5/15/2025 3:43:10	Peak Integrated by Software
PSTDCCC050	PD088537.D	Aldrin #2	Abdul	5/14/2025 8:33:30 AM	mohammad	5/15/2025 3:43:10	Peak Integrated by Software
PSTDCCC050	PD088537.D	gamma-Chlordane	Abdul	5/14/2025 8:33:30 AM	mohammad	5/15/2025 3:43:10	Peak Integrated by Software
PSTDCCC050	PD088541.D	4,4"-DDE #2	Abdul	5/14/2025 8:33:35 AM	mohammad	5/15/2025 3:43:10	Peak Integrated by Software
PSTDCCC050	PD088541.D	Aldrin #2	Abdul	5/14/2025 8:33:35 AM	mohammad	5/15/2025 3:43:10	Peak Integrated by Software
PSTDCCC050	PD088541.D	gamma-Chlordane	Abdul	5/14/2025 8:33:35 AM	mohammad	5/15/2025 3:43:10	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	5/19/2025 2:36:40	Peak Integrated by Software
PEM	PD088552.D	Endrin aldehyde	Abdul	5/16/2025 10:09:09 AM	mohammad	5/19/2025 2:36:40	Peak Integrated by Software
PEM	PD088552.D	Endrin aldehyde #2	Abdul	5/16/2025 10:09:09 AM	mohammad	5/19/2025 2:36:40	Peak Integrated by Software
PEM	PD088552.D	Endrin ketone	Abdul	5/16/2025 10:09:09 AM	mohammad	5/19/2025 2:36:40	Peak Integrated by Software
PEM	PD088552.D	Endrin ketone #2	Abdul	5/16/2025 10:09:09 AM	mohammad	5/19/2025 2:36:40	Peak Integrated by Software
PTOXCCC500	PD088555.D	Toxaphene-1 #2	Abdul	5/16/2025 10:09:12 AM	mohammad	5/19/2025 2:36:40	Peak Integrated by Software
Q1984-01MS	PD088559.D	Aldrin	Abdul	5/16/2025 10:09:21 AM	mohammad	5/19/2025 2:36:40	Peak Integrated by Software
Q1984-01MS	PD088559.D	beta-BHC #2	Abdul	5/16/2025 10:09:21 AM	mohammad	5/19/2025 2:36:40	Peak Integrated by Software
Q1984-01MSD	PD088560.D	beta-BHC #2	Abdul	5/16/2025 10:09:25 AM	mohammad	5/19/2025 2:36:40	Peak Integrated by Software
I.BLK	PD088565.D	Decachlorobiphenyl	Abdul	5/16/2025 10:09:43 AM	mohammad	5/19/2025 2:36:40	Peak Integrated by Software
PSTDCCC050	PD088566.D	4,4"-DDD	Abdul	5/16/2025 10:09:47 AM	mohammad	5/19/2025 2:36:40	Peak Integrated by Software
PSTDCCC050	PD088566.D	4,4"-DDE #2	Abdul	5/16/2025 10:09:47 AM	mohammad	5/19/2025 2:36:40	Peak Integrated by Software
PSTDCCC050	PD088566.D	Decachlorobiphenyl	Abdul	5/16/2025 10:09:47 AM	mohammad	5/19/2025 2:36:40	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	5/19/2025 2:36:40	Peak Integrated by Software
PTOXCCC500	PD088568.D	Toxaphene-1 #2	Abdul	5/16/2025 10:09:51 AM	mohammad	5/19/2025 2:36:40	Peak Integrated by Software
PTOXCCC500	PD088568.D	Toxaphene-5	Abdul	5/16/2025 10:09:51 AM	mohammad	5/19/2025 2:36:40	Peak Integrated by Software
PTOXCCC500	PD088568.D	Toxaphene-5 #2	Abdul	5/16/2025 10:09:51 AM	mohammad	5/19/2025 2:36:40	Peak Integrated by Software
I.BLK	PD088572.D	Decachlorobiphenyl	Abdul	5/16/2025 10:10:09 AM	mohammad	5/19/2025 2:36:40	Peak Integrated by Software
PSTDCCC050	PD088573.D	Methoxychlor #2	Abdul	5/16/2025 10:10:13 AM	mohammad	5/19/2025 2:36:40	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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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	

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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Fax : 908 789 8922

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	5/15/2025 3:43:10 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,NR
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	5/15/2025 3:43:10 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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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	5/15/2025 3:43:10 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	5/19/2025 2:36:40 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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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	5/19/2025 2:36:40 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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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 # PD051325

Review By	Abdul	Review On	5/14/2025 8:34:03 AM		
Supervise By	mohammad	Supervise On	5/15/2025 3:43:10 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,NR
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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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	5/15/2025 3:43:10 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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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	5/15/2025 3:43:10 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

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	5/19/2025 2:36:40 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	5/19/2025 2:36:40 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

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)	AR 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.**

167959 8:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2010 **WorkList ID :** 189474 **Department :** Extraction **Date :** 05-13-2025 08:25:45

RS 5/16

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

Date/Time 5/13/25 8:25
Raw Sample Received by: RJ (EXT Labs)
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 Labs)

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LAB CHRONICLE

OrderID:	Q2010	**OrderDate:**	5/9/2025 4:00:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2010-01	**TP-10**	**SOIL**			**05/08/25**			**05/09/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/14/25	05/14/25	
			Pesticide-TCL	8081B		05/13/25	05/13/25	
Q2010-02	**TP-13**	**SOIL**			**05/08/25**			**05/09/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/14/25	
			PCB	8082A		05/14/25	05/14/25	
			Pesticide-TCL	8081B		05/13/25	05/13/25	
Q2010-03	**TP-14**	**SOIL**			**05/08/25**			**05/09/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/14/25	05/14/25	
			Pesticide-TCL	8081B		05/13/25	05/13/25	
Q2010-04	**TP-17**	**SOIL**			**05/08/25**			**05/09/25**
			Diesel Range Organics	8015D		05/13/25	05/14/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/14/25	05/14/25	
			Pesticide-TCL	8081B		05/13/25	05/13/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2010 **Order ID:** Q2010

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
			Total Concentration:	**0.000**				

SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

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-10	SDG No.:	Q2010
Lab Sample ID:	Q2010-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	93.3 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072040.D	1	05/14/25 09:00	05/14/25 14:12	PB167997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.20	U	4.20	18.2	ug/kg
11104-28-2	Aroclor-1221	4.30	U	4.30	18.2	ug/kg
11141-16-5	Aroclor-1232	4.00	U	4.00	18.2	ug/kg
53469-21-9	Aroclor-1242	4.30	U	4.30	18.2	ug/kg
12672-29-6	Aroclor-1248	6.30	U	6.30	18.2	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	18.2	ug/kg
37324-23-5	Aroclor-1262	5.40	U	5.40	18.2	ug/kg
11100-14-4	Aroclor-1268	3.90	U	3.90	18.2	ug/kg
11096-82-5	Aroclor-1260	3.50	U	3.50	18.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.9		32 - 144	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.9		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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

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-13	SDG No.:	Q2010
Lab Sample ID:	Q2010-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	84.4 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
PP072041.D	1	05/14/25 09:00	05/14/25 14:28	PB167997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.70	U	4.70	20.1	ug/kg
11104-28-2	Aroclor-1221	4.80	U	4.80	20.1	ug/kg
11141-16-5	Aroclor-1232	4.40	U	4.40	20.1	ug/kg
53469-21-9	Aroclor-1242	4.70	U	4.70	20.1	ug/kg
12672-29-6	Aroclor-1248	7.00	U	7.00	20.1	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	20.1	ug/kg
37324-23-5	Aroclor-1262	5.90	U	5.90	20.1	ug/kg
11100-14-4	Aroclor-1268	4.30	U	4.30	20.1	ug/kg
11096-82-5	Aroclor-1260	3.80	U	3.80	20.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.9		32 - 144	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.5		32 - 175	98%	SPK: 20

Comments:

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LOD = Limit of Detection
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Alliance TECHNICAL GROUP
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Fax : 908 789 8922

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-14	SDG No.:	Q2010
Lab Sample ID:	Q2010-03	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	80.7 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072042.D	1	05/14/25 09:00	05/14/25 14:44	PB167997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.90	U	4.90	21.0	ug/kg
11104-28-2	Aroclor-1221	5.00	U	5.00	21.0	ug/kg
11141-16-5	Aroclor-1232	4.60	U	4.60	21.0	ug/kg
53469-21-9	Aroclor-1242	5.00	U	5.00	21.0	ug/kg
12672-29-6	Aroclor-1248	7.30	U	7.30	21.0	ug/kg
11097-69-1	Aroclor-1254	4.00	U	4.00	21.0	ug/kg
37324-23-5	Aroclor-1262	6.20	U	6.20	21.0	ug/kg
11100-14-4	Aroclor-1268	4.50	U	4.50	21.0	ug/kg
11096-82-5	Aroclor-1260	4.00	U	4.00	21.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.8		32 - 144	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.6		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
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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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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:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-17	SDG No.:	Q2010
Lab Sample ID:	Q2010-04	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	77.4 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
PP072043.D	1	05/14/25 09:00	05/14/25 15:01	PB167997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	5.10	U	5.10	21.9	ug/kg
11104-28-2	Aroclor-1221	5.20	U	5.20	21.9	ug/kg
11141-16-5	Aroclor-1232	4.80	U	4.80	21.9	ug/kg
53469-21-9	Aroclor-1242	5.20	U	5.20	21.9	ug/kg
12672-29-6	Aroclor-1248	7.60	U	7.60	21.9	ug/kg
11097-69-1	Aroclor-1254	4.10	U	4.10	21.9	ug/kg
37324-23-5	Aroclor-1262	6.50	U	6.50	21.9	ug/kg
11100-14-4	Aroclor-1268	4.60	U	4.60	21.9	ug/kg
11096-82-5	Aroclor-1260	4.20	U	4.20	21.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.4		32 - 144	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.7		32 - 175	94%	SPK: 20

Comments:

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

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

QC SUMMARY

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

Surrogate Summary

SDG No.: Q2010

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	Tetrachloro-m-xylene	1	20	17.1	85		60	140
		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-PP072037.D	PIBLK-PP072037.D	Tetrachloro-m-xylene	1	20	16.3	81		60	140
		Decachlorobiphenyl	1	20	18.0	90		60	140
		Tetrachloro-m-xylene	2	20	16.6	83		60	140
		Decachlorobiphenyl	2	20	19.1	95		60	140
PB167997BL	PB167997BL	Tetrachloro-m-xylene	1	20	19.8	99		32	144
		Decachlorobiphenyl	1	20	21.1	106		32	175
		Tetrachloro-m-xylene	2	20	22.2	111		32	144
		Decachlorobiphenyl	2	20	24.3	121		32	175
PB167997BS	PB167997BS	Tetrachloro-m-xylene	1	20	19.5	97		32	144
		Decachlorobiphenyl	1	20	21.2	106		32	175
		Tetrachloro-m-xylene	2	20	20.1	100		32	144
		Decachlorobiphenyl	2	20	23.4	117		32	175
Q2010-01	TP-10	Tetrachloro-m-xylene	1	20	17.7	89		32	144
		Decachlorobiphenyl	1	20	16.5	83		32	175
		Tetrachloro-m-xylene	2	20	20.9	104		32	144
		Decachlorobiphenyl	2	20	18.9	95		32	175
Q2010-02	TP-13	Tetrachloro-m-xylene	1	20	17.4	87		32	144
		Decachlorobiphenyl	1	20	16.5	83		32	175
		Tetrachloro-m-xylene	2	20	19.9	99		32	144
		Decachlorobiphenyl	2	20	19.5	98		32	175
Q2010-03	TP-14	Tetrachloro-m-xylene	1	20	18.2	91		32	144
		Decachlorobiphenyl	1	20	15.9	79		32	175
		Tetrachloro-m-xylene	2	20	20.8	104		32	144
		Decachlorobiphenyl	2	20	18.6	93		32	175
Q2010-04	TP-17	Tetrachloro-m-xylene	1	20	18.8	94		32	144
		Decachlorobiphenyl	1	20	16.0	80		32	175
		Tetrachloro-m-xylene	2	20	21.4	107		32	144
		Decachlorobiphenyl	2	20	18.7	94		32	175
Q2019-01MS	MH-KMS	Tetrachloro-m-xylene	1	20	22.3	112		32	144
		Decachlorobiphenyl	1	20	23.4	117		32	175
		Tetrachloro-m-xylene	2	20	24.1	120		32	144
		Decachlorobiphenyl	2	20	25.8	129		32	175
Q2019-01MSD	MH-KMSD	Tetrachloro-m-xylene	1	20	21.1	105		32	144
		Decachlorobiphenyl	1	20	21.2	106		32	175
		Tetrachloro-m-xylene	2	20	22.5	113		32	144
		Decachlorobiphenyl	2	20	24.2	121		32	175
I.BLK-PP072052.D	PIBLK-PP072052.D	Tetrachloro-m-xylene	1	20	16.8	84		60	140

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Surrogate Summary

SDG No.: Q2010

Client: CDM Smith

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PP072052.D	PIBLK-PP072052.D	Decachlorobiphenyl	1	20	18.6	93		60	140
		Tetrachloro-m-xylene	2	20	18.9	94		60	140
		Decachlorobiphenyl	2	20	20.8	104		60	140

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2010

Client: CDM Smith

Analytical Method: 8082A **DataFile :** PP072045.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**MH-KMS**											
Q2019-01MS	AR1016	185.5	0	209	ug/kg	113				55	146	
	AR1260	185.5	0	201	ug/kg	108				31	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2010

Client: CDM Smith

Analytical Method: 8082A **DataFile :** PP072046.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-KMSD**											
Q2019-01MSD	AR1016	185.3	0	185	ug/kg	100		12		55	146	20
	AR1260	185.3	0	182	ug/kg	98		10		31	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2010

Client: CDM Smith

Analytical Method: 8082A **Datafile :** PP072039.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167997BS	AR1016	166.6	156	ug/kg	94				71	120	
	AR1260	166.6	160	ug/kg	96				65	130	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167997BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Lab Sample ID: PB167997BL Lab File ID: PP072038.D

Matrix: (soil/water) Solid Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 05/14/2025

Date Analyzed (1): 05/14/2025 Date Analyzed (2): 05/14/2025

Time Analyzed (1): 13:39 Time Analyzed (2): 13:39

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column (1): ZB-MR1 ID: 0.32 (mm) GC Column (2): ZB-MR2 ID: 0.32 (mm)

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB167997BS	PB167997BS	PP072039.D	05/14/2025	05/14/2025
TP-10	Q2010-01	PP072040.D	05/14/2025	05/14/2025
TP-13	Q2010-02	PP072041.D	05/14/2025	05/14/2025
TP-14	Q2010-03	PP072042.D	05/14/2025	05/14/2025
TP-17	Q2010-04	PP072043.D	05/14/2025	05/14/2025
MH-KMS	Q2019-01MS	PP072045.D	05/14/2025	05/14/2025
MH-KMSD	Q2019-01MSD	PP072046.D	05/14/2025	05/14/2025

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:	PB167997BL	SDG No.:	Q2010
Lab Sample ID:	PB167997BL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072038.D	1	05/14/25 09:00	05/14/25 13:39	PB167997

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	22.2		32 - 144	111%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.3		32 - 175	121%	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:	04/22/25
Project:	South River WM Replacement	Date Received:	04/22/25
Client Sample ID:	PIBLK-PP071388.D	SDG No.:	Q2010
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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Report of Analysis

Client:	CDM Smith	Date Collected:	05/14/25
Project:	South River WM Replacement	Date Received:	05/14/25
Client Sample ID:	PIBLK-PP072037.D	SDG No.:	Q2010
Lab Sample ID:	I.BLK-PP072037.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
PP072037.D	1		05/14/25	pp051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.3		60 - 140	81%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.0		60 - 140	90%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/14/25
Project:	South River WM Replacement	Date Received:	05/14/25
Client Sample ID:	PIBLK-PP072052.D	SDG No.:	Q2010
Lab Sample ID:	I.BLK-PP072052.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
PP072052.D	1		05/14/25	pp051425

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	16.8		60 - 140	84%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.6		60 - 140	93%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB167997BS	SDG No.:	Q2010
Lab Sample ID:	PB167997BS	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
PP072039.D	1	05/14/25 09:00	05/14/25 13:55	PB167997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	156		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	160		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.1		32 - 144	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.4		32 - 175	117%	SPK: 20

Comments:

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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:	MH-KMS	SDG No.:	Q2010
Lab Sample ID:	Q2019-01MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	89.8 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
PP072045.D	1	05/14/25 09:00	05/14/25 15:34	PB167997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	209		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	201		3.60	18.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.1		32 - 144	120%	SPK: 20
2051-24-3	Decachlorobiphenyl	25.8		32 - 175	129%	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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B = Analyte Found in Associated Method Blank
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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:	MH-KMSD	SDG No.:	Q2010
Lab Sample ID:	Q2019-01MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	89.8 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
PP072046.D	1	05/14/25 09:00	05/14/25 15:50	PB167997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	185		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	182		3.60	18.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.5		32 - 144	113%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.2		32 - 175	121%	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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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

Continuing Calib Date: 05/14/2025 **Initial Calibration Date(s):** 04/22/2025 04/22/2025

Continuing Calib Time: 09:07 **Initial Calibration Time(s):** 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.66	5.67	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)	7.51	7.52	7.42	7.62	0.01
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)	8.41	8.42	8.32	8.52	0.01
Tetrachloro-m-xylene		4.51	4.52	4.42	4.62	0.01
Decachlorobiphenyl		10.22	10.24	10.14	10.34	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

Continuing Calib Date: 05/14/2025 **Initial Calibration Date(s):** 04/22/2025 04/22/2025

Continuing Calib Time: 09:07 **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)	4.88	4.90	4.80	5.00	0.02
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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/22/2025 04/22/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/14/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072033.D **Time Analyzed:** 09:07

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.658	5.571	5.771	471.680	500.000	-5.7
Aroclor-1016-2	5.681	5.593	5.793	494.270	500.000	-1.1
Aroclor-1016-3	5.743	5.654	5.854	486.580	500.000	-2.7
Aroclor-1016-4	5.841	5.752	5.952	484.080	500.000	-3.2
Aroclor-1016-5	6.133	6.045	6.245	471.780	500.000	-5.6
Aroclor-1260-1	7.251	7.165	7.365	460.330	500.000	-7.9
Aroclor-1260-2	7.505	7.418	7.618	471.860	500.000	-5.6
Aroclor-1260-3	7.864	7.777	7.977	498.960	500.000	-0.2
Aroclor-1260-4	8.088	8.002	8.202	480.940	500.000	-3.8
Aroclor-1260-5	8.407	8.322	8.522	510.670	500.000	2.1
Decachlorobiphenyl	10.216	10.137	10.337	52.760	50.000	5.5
Tetrachloro-m-xylene	4.507	4.417	4.617	50.010	50.000	0.0

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/22/2025 04/22/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/14/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072033.D **Time Analyzed:** 09:07

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.884	4.798	4.998	504.730	500.000	0.9
Aroclor-1016-2	4.902	4.816	5.016	523.740	500.000	4.7
Aroclor-1016-3	5.080	4.993	5.193	478.760	500.000	-4.2
Aroclor-1016-4	5.121	5.036	5.236	494.260	500.000	-1.1
Aroclor-1016-5	5.335	5.250	5.450	521.060	500.000	4.2
Aroclor-1260-1	6.368	6.285	6.485	529.420	500.000	5.9
Aroclor-1260-2	6.556	6.473	6.673	530.290	500.000	6.1
Aroclor-1260-3	6.709	6.627	6.827	531.350	500.000	6.3
Aroclor-1260-4	7.179	7.098	7.298	535.400	500.000	7.1
Aroclor-1260-5	7.421	7.339	7.539	536.070	500.000	7.2
Decachlorobiphenyl	8.824	8.749	8.949	55.520	50.000	11.0
Tetrachloro-m-xylene	3.801	3.712	3.912	52.400	50.000	4.8

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

Continuing Calib Date: 05/14/2025 **Initial Calibration Date(s):** 04/22/2025 04/22/2025

Continuing Calib Time: 17:12 **Initial Calibration Time(s):** 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.66	5.67	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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

Continuing Calib Date: 05/14/2025 **Initial Calibration Date(s):** 04/22/2025 04/22/2025

Continuing Calib Time: 17:12 **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)	4.88	4.90	4.80	5.00	0.02
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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/22/2025 04/22/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/14/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072048.D **Time Analyzed:** 17:12

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.656	5.571	5.771	474.260	500.000	-5.1
Aroclor-1016-2	5.678	5.593	5.793	494.590	500.000	-1.1
Aroclor-1016-3	5.741	5.654	5.854	498.710	500.000	-0.3
Aroclor-1016-4	5.839	5.752	5.952	494.190	500.000	-1.2
Aroclor-1016-5	6.131	6.045	6.245	482.080	500.000	-3.6
Aroclor-1260-1	7.249	7.165	7.365	470.360	500.000	-5.9
Aroclor-1260-2	7.503	7.418	7.618	476.510	500.000	-4.7
Aroclor-1260-3	7.861	7.777	7.977	500.670	500.000	0.1
Aroclor-1260-4	8.085	8.002	8.202	489.750	500.000	-2.1
Aroclor-1260-5	8.404	8.322	8.522	534.550	500.000	6.9
Decachlorobiphenyl	10.211	10.137	10.337	54.210	50.000	8.4
Tetrachloro-m-xylene	4.505	4.417	4.617	49.660	50.000	-0.7

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/22/2025 04/22/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/14/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072048.D **Time Analyzed:** 17:12

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.884	4.798	4.998	570.080	500.000	14.0
Aroclor-1016-2	4.902	4.816	5.016	530.770	500.000	6.2
Aroclor-1016-3	5.079	4.993	5.193	514.330	500.000	2.9
Aroclor-1016-4	5.121	5.036	5.236	490.830	500.000	-1.8
Aroclor-1016-5	5.335	5.250	5.450	516.940	500.000	3.4
Aroclor-1260-1	6.368	6.285	6.485	537.530	500.000	7.5
Aroclor-1260-2	6.556	6.473	6.673	542.440	500.000	8.5
Aroclor-1260-3	6.709	6.627	6.827	540.610	500.000	8.1
Aroclor-1260-4	7.179	7.098	7.298	540.890	500.000	8.2
Aroclor-1260-5	7.421	7.339	7.539	538.390	500.000	7.7
Decachlorobiphenyl	8.824	8.749	8.949	55.720	50.000	11.4
Tetrachloro-m-xylene	3.801	3.712	3.912	55.050	50.000	10.1

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q2010

Project: South River WM Replacement **Instrument ID:** ECD_P

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 04/22/2025 04/22/2025

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	04/22/2025	10:13	PP071388.D	10.23	4.51
AR1660ICC1000	AR1660ICC1000	04/22/2025	10:29	PP071389.D	10.23	4.51
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	05/14/2025	09:07	PP072033.D	10.22	4.51
I.BLK	I.BLK	05/14/2025	10:14	PP072037.D	10.21	4.51
PB167997BL	PB167997BL	05/14/2025	13:39	PP072038.D	10.22	4.51
PB167997BS	PB167997BS	05/14/2025	13:55	PP072039.D	10.22	4.51
TP-10	Q2010-01	05/14/2025	14:12	PP072040.D	10.21	4.50
TP-13	Q2010-02	05/14/2025	14:28	PP072041.D	10.22	4.51
TP-14	Q2010-03	05/14/2025	14:44	PP072042.D	10.21	4.51
TP-17	Q2010-04	05/14/2025	15:01	PP072043.D	10.21	4.50
MH-KMS	Q2019-01MS	05/14/2025	15:34	PP072045.D	10.21	4.51
MH-KMSD	Q2019-01MSD	05/14/2025	15:50	PP072046.D	10.21	4.50
AR1660CCC500	AR1660CCC500	05/14/2025	17:12	PP072048.D	10.21	4.51
I.BLK	I.BLK	05/14/2025	18:33	PP072052.D	10.22	4.51

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

Analytical Sequence

Client: CDM Smith **SDG No.:** Q2010

Project: South River WM Replacement **Instrument ID:** ECD_P

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 04/22/2025 04/22/2025

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	04/22/2025	10:13	PP071388.D	8.85	3.81
AR1660ICC1000	AR1660ICC1000	04/22/2025	10:29	PP071389.D	8.85	3.81
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	05/14/2025	09:07	PP072033.D	8.82	3.80
I.BLK	I.BLK	05/14/2025	10:14	PP072037.D	8.83	3.80
PB167997BL	PB167997BL	05/14/2025	13:39	PP072038.D	8.83	3.80
PB167997BS	PB167997BS	05/14/2025	13:55	PP072039.D	8.83	3.80
TP-10	Q2010-01	05/14/2025	14:12	PP072040.D	8.82	3.80
TP-13	Q2010-02	05/14/2025	14:28	PP072041.D	8.82	3.80
TP-14	Q2010-03	05/14/2025	14:44	PP072042.D	8.82	3.80
TP-17	Q2010-04	05/14/2025	15:01	PP072043.D	8.83	3.80
MH-KMS	Q2019-01MS	05/14/2025	15:34	PP072045.D	8.82	3.80
MH-KMSD	Q2019-01MSD	05/14/2025	15:50	PP072046.D	8.83	3.80
AR1660CCC500	AR1660CCC500	05/14/2025	17:12	PP072048.D	8.82	3.80
I.BLK	I.BLK	05/14/2025	18:33	PP072052.D	8.83	3.80

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Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
PB167997BS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Lab Sample ID: PB167997BS Date(s) Analyzed: 05/14/2025 05/14/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PP072039.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.662	5.612	5.712	148		
	2	5.684	5.634	5.734	152		
	3	5.746	5.696	5.796	154		
COLUMN 1	4	5.843	5.793	5.893	150		
	5	6.135	6.085	6.185	142	149	
	1	4.885	4.835	4.935	160		
	2	4.903	4.853	4.953	163		
	3	5.08	5.03	5.13	154		
	4	5.122	5.072	5.172	152		
COLUMN 2	5	5.336	5.286	5.386	153	156	4.59
Aroclor-1260	1	7.253	7.203	7.303	151		
	2	7.508	7.458	7.558	155		
	3	7.866	7.816	7.916	135		
COLUMN 1	4	8.09	8.04	8.14	139		
	5	8.409	8.359	8.459	144	145	
	1	6.369	6.319	6.419	163		
	2	6.558	6.508	6.608	164		
	3	6.71	6.66	6.76	167		
	4	7.181	7.131	7.231	154		
COLUMN 2	5	7.423	7.373	7.473	151	160	9.84

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

MH-KMS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Lab Sample ID: Q2019-01MS Date(s) Analyzed: 05/14/2025 05/14/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PP072045.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.68	5.63	5.73	293		
	2	5.68	5.63	5.73	191		
	3	5.742	5.692	5.792	191		
COLUMN 1	4	5.84	5.79	5.89	191		
	5	6.133	6.083	6.183	180	209	
	1	4.902	4.852	4.952	229		
	2	4.902	4.852	4.952	161		
	3	5.079	5.029	5.129	184		
	4	5.121	5.071	5.171	187		
COLUMN 2	5	5.335	5.285	5.385	196	191	9
Aroclor-1260	1	7.251	7.201	7.301	190		
	2	7.504	7.454	7.554	189		
	3	7.863	7.813	7.913	167		
COLUMN 1	4	8.085	8.035	8.135	169		
	5	8.406	8.356	8.456	177	178	
	1	6.368	6.318	6.418	215		
	2	6.557	6.507	6.607	210		
	3	6.709	6.659	6.759	212		
	4	7.179	7.129	7.229	184		
COLUMN 2	5	7.421	7.371	7.471	183	201	12.14

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Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

MH-KMSD

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Lab Sample ID: Q2019-01MSD Date(s) Analyzed: 05/14/2025 05/14/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PP072046.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.655	5.605	5.705	194		
	2	5.677	5.627	5.727	173		
	3	5.741	5.691	5.791	178		
COLUMN 1	4	5.839	5.789	5.889	177		
	5	6.131	6.081	6.181	164	177	
	1	4.885	4.835	4.935	190		
	2	4.904	4.854	4.954	196		
	3	5.081	5.031	5.131	178		
	4	5.122	5.072	5.172	181		
COLUMN 2	5	5.337	5.287	5.387	180	185	4.42
Aroclor-1260	1	7.249	7.199	7.299	175		
	2	7.502	7.452	7.552	176		
	3	7.861	7.811	7.911	153		
COLUMN 1	4	8.085	8.035	8.135	161		
	5	8.404	8.354	8.454	164	166	
	1	6.369	6.319	6.419	191		
	2	6.558	6.508	6.608	188		
	3	6.71	6.66	6.76	191		
	4	7.181	7.131	7.231	171		
COLUMN 2	5	7.423	7.373	7.473	168	182	9.2

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 14:12
Operator : YP\AJ
Sample : Q2010-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-10

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:26:43 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...	4.502	3.801	35141759	29383834	17.725m	20.860m
2)	SA Decachlor...	10.210	8.824	23890177	16605485	16.499m	18.933m
	Target Compounds						

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

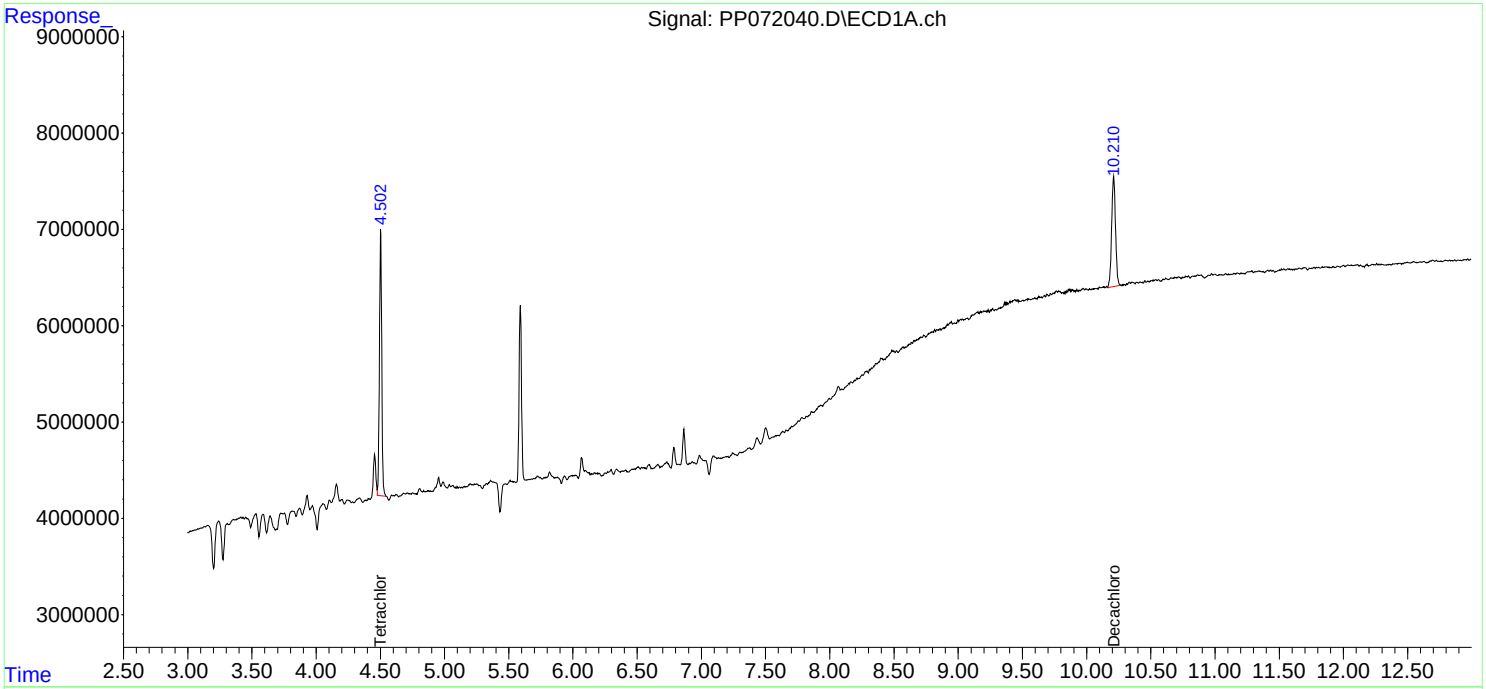
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 14:12
Operator : YP\AJ
Sample : Q2010-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

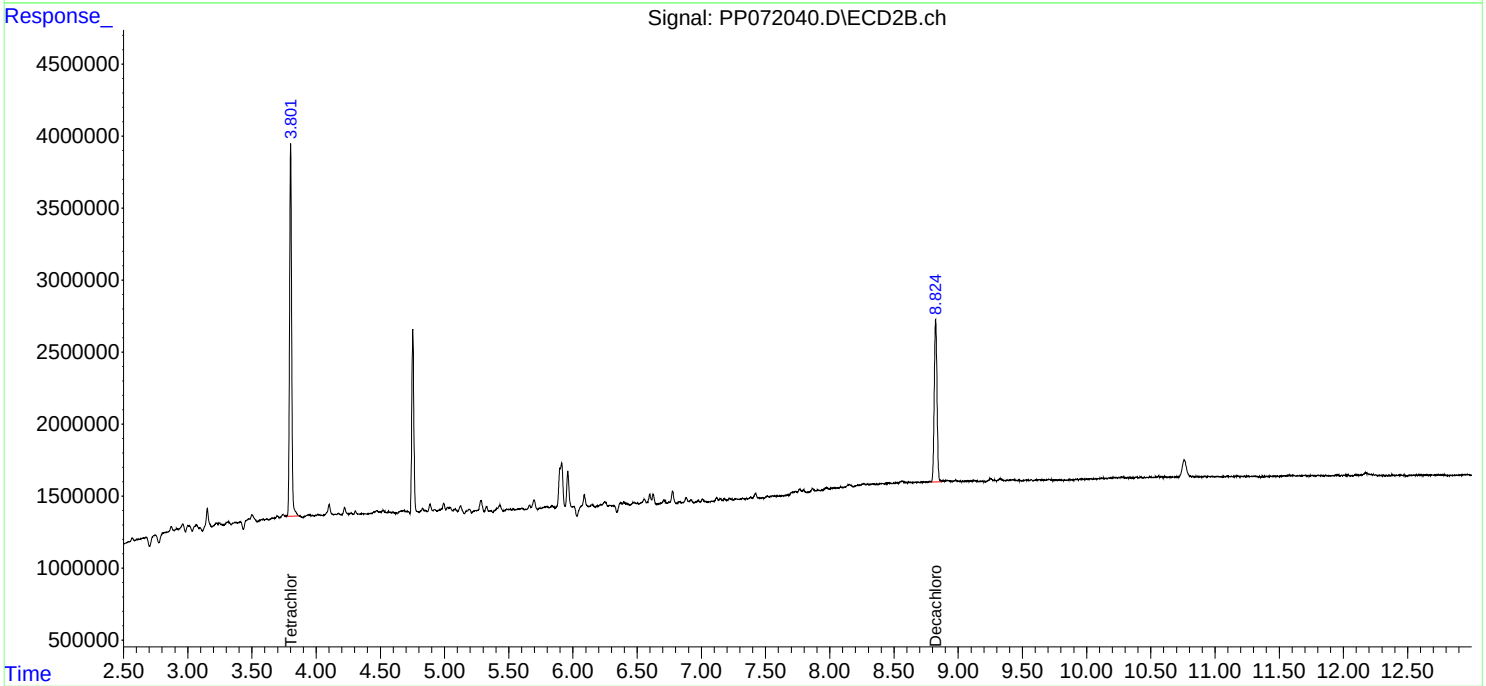
Instrument :
ECD_P
ClientSampleId :
TP-10

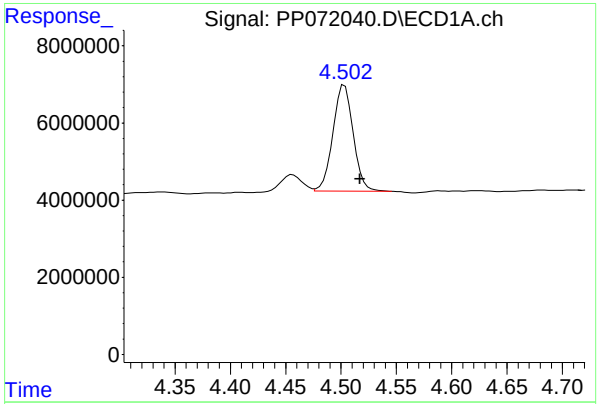
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:26:43 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







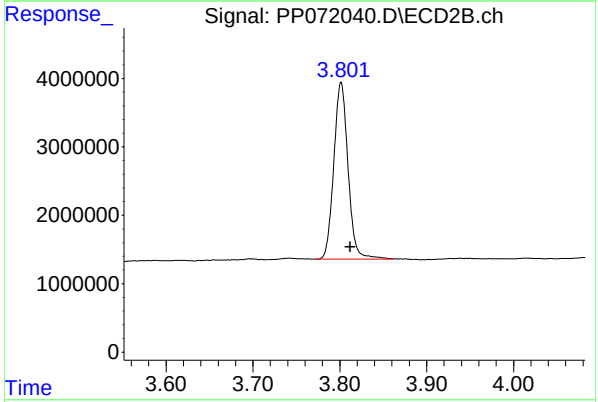
#1 Tetrachloro-m-xylene

R.T.: 4.502 min
Delta R.T.: -0.015 min
Response: 35141759
Conc: 17.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-10

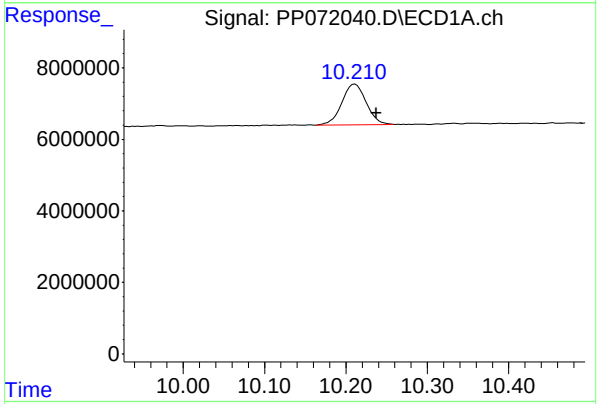
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025



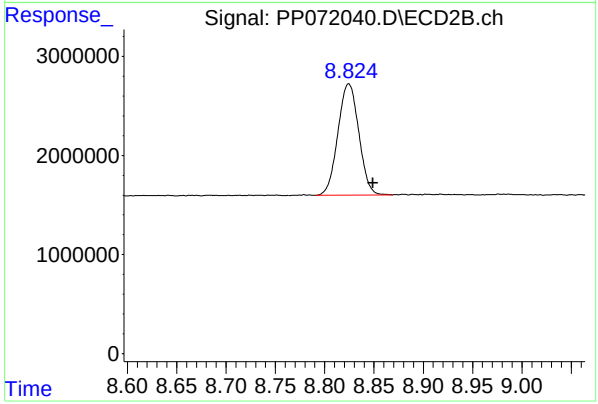
#1 Tetrachloro-m-xylene

R.T.: 3.801 min
Delta R.T.: -0.011 min
Response: 29383834
Conc: 20.86 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.210 min
Delta R.T.: -0.027 min
Response: 23890177
Conc: 16.50 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.824 min
Delta R.T.: -0.025 min
Response: 16605485
Conc: 18.93 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 14:28
Operator : YP\AJ
Sample : Q2010-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-13

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:26:59 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	3.801	34435955	27966537	17.369m	19.854m
2)	SA Decachlor...	10.216	8.824	23935973	17109468	16.530	19.508m
	Target Compounds						

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

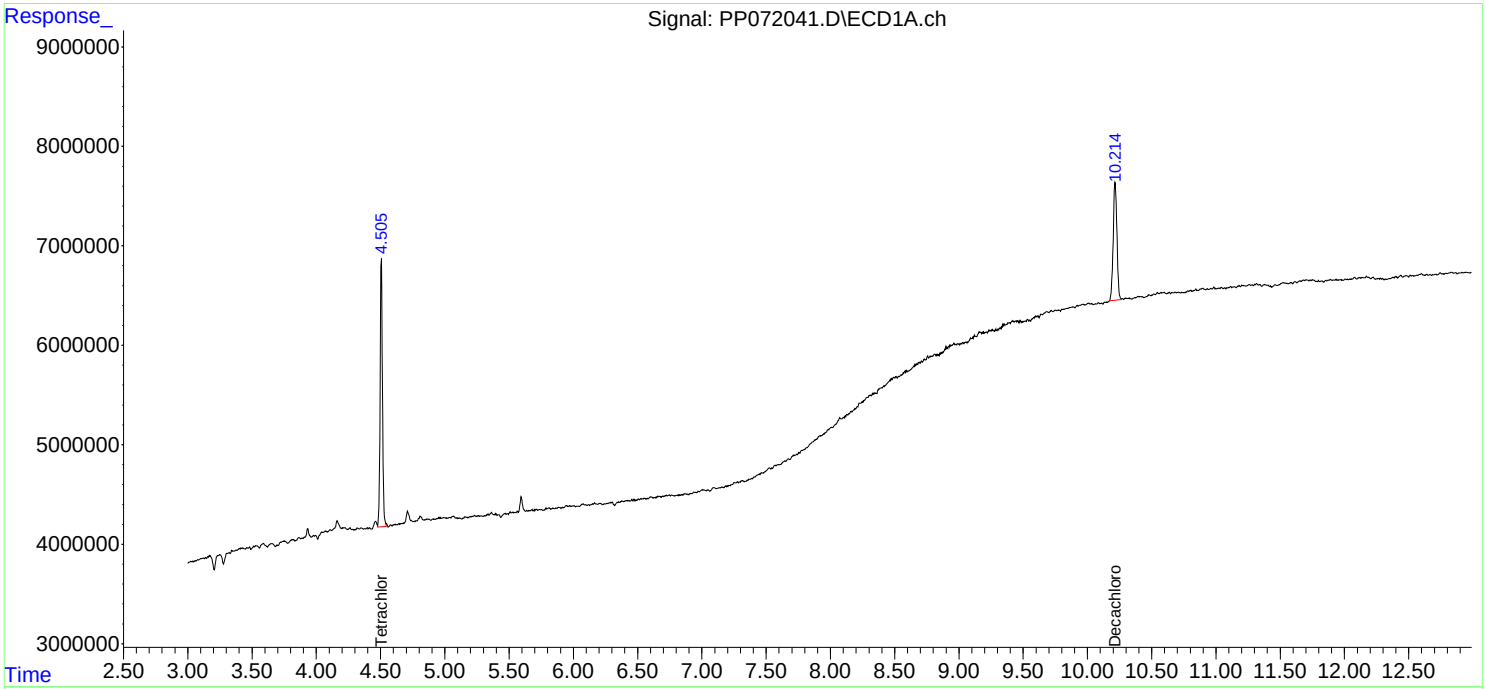
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 14:28
Operator : YP\AJ
Sample : Q2010-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

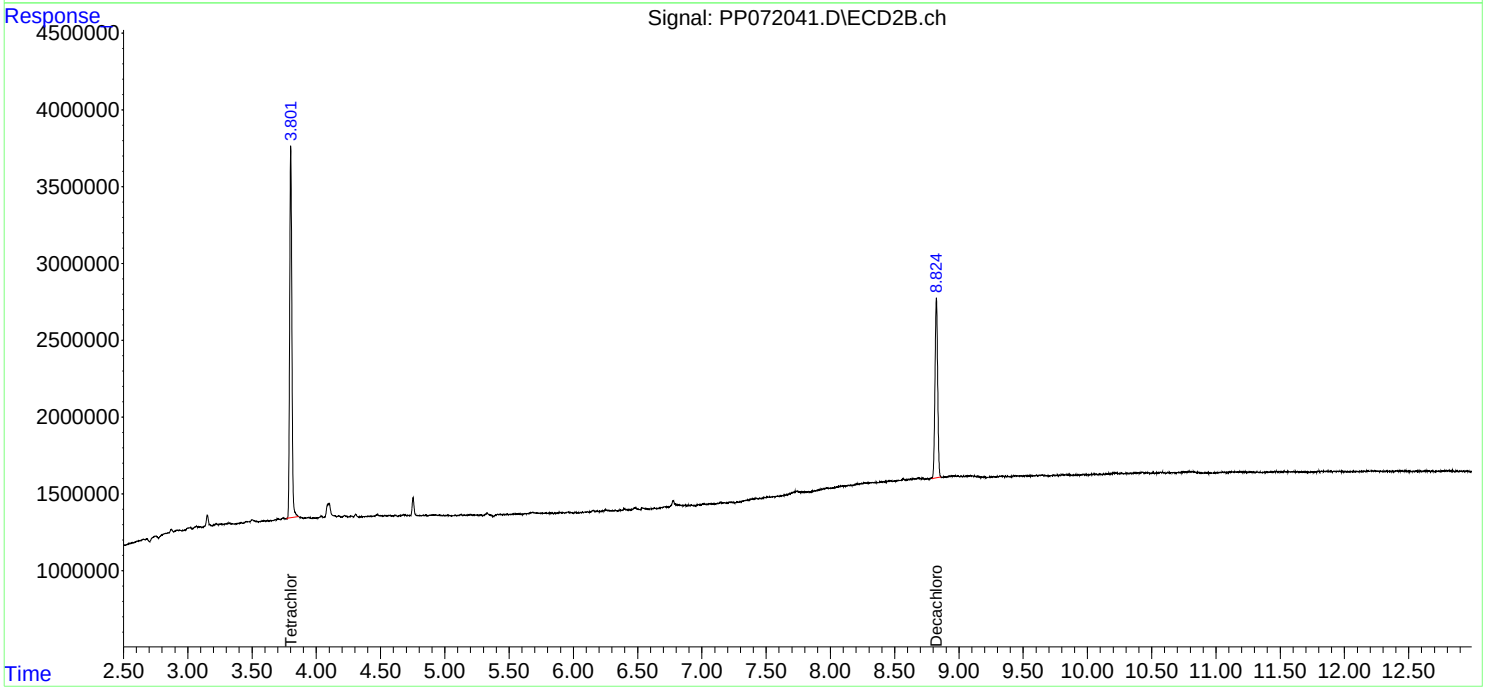
Instrument :
ECD_P
ClientSampleId :
TP-13

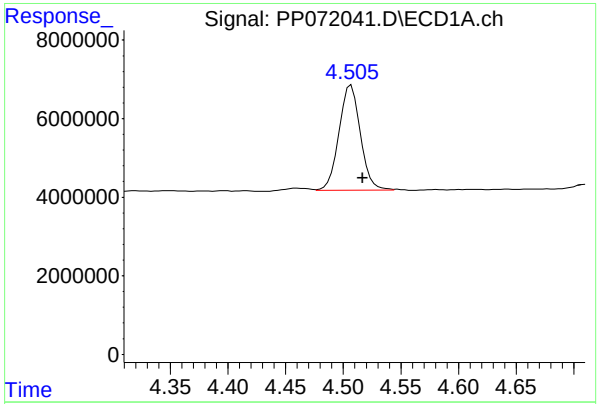
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:26:59 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







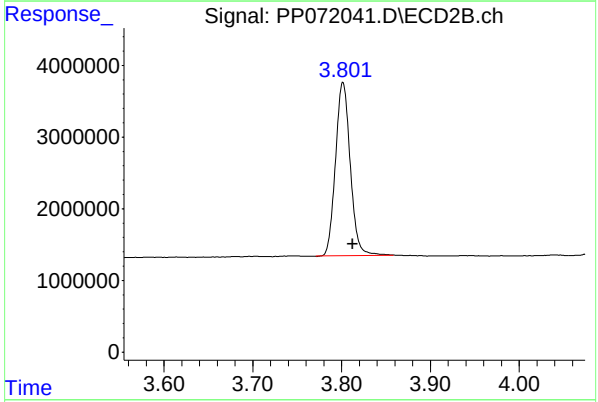
#1 Tetrachloro-m-xylene

R.T.: 4.505 min
Delta R.T.: -0.012 mi
Response: 34435955
Conc: 17.37 ng/m

Instrument :
ECD_P
ClientSampleId :
TP-13

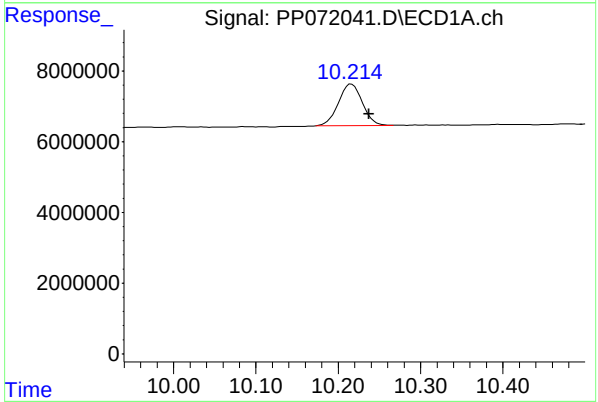
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025



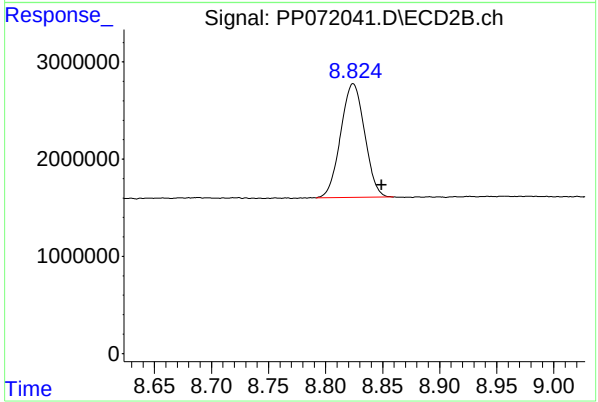
#1 Tetrachloro-m-xylene

R.T.: 3.801 min
Delta R.T.: -0.011 min
Response: 27966537
Conc: 19.85 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.216 min
Delta R.T.: -0.022 min
Response: 23935973
Conc: 16.53 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.824 min
Delta R.T.: -0.025 min
Response: 17109468
Conc: 19.51 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 14:44
Operator : YP\AJ
Sample : Q2010-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-14

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:27:14 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	3.801	36114293	29270379	18.215	20.779m
2)	SA Decachlor...	10.212	8.823	22988029	16274287	15.876	18.556m
	Target Compounds						

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

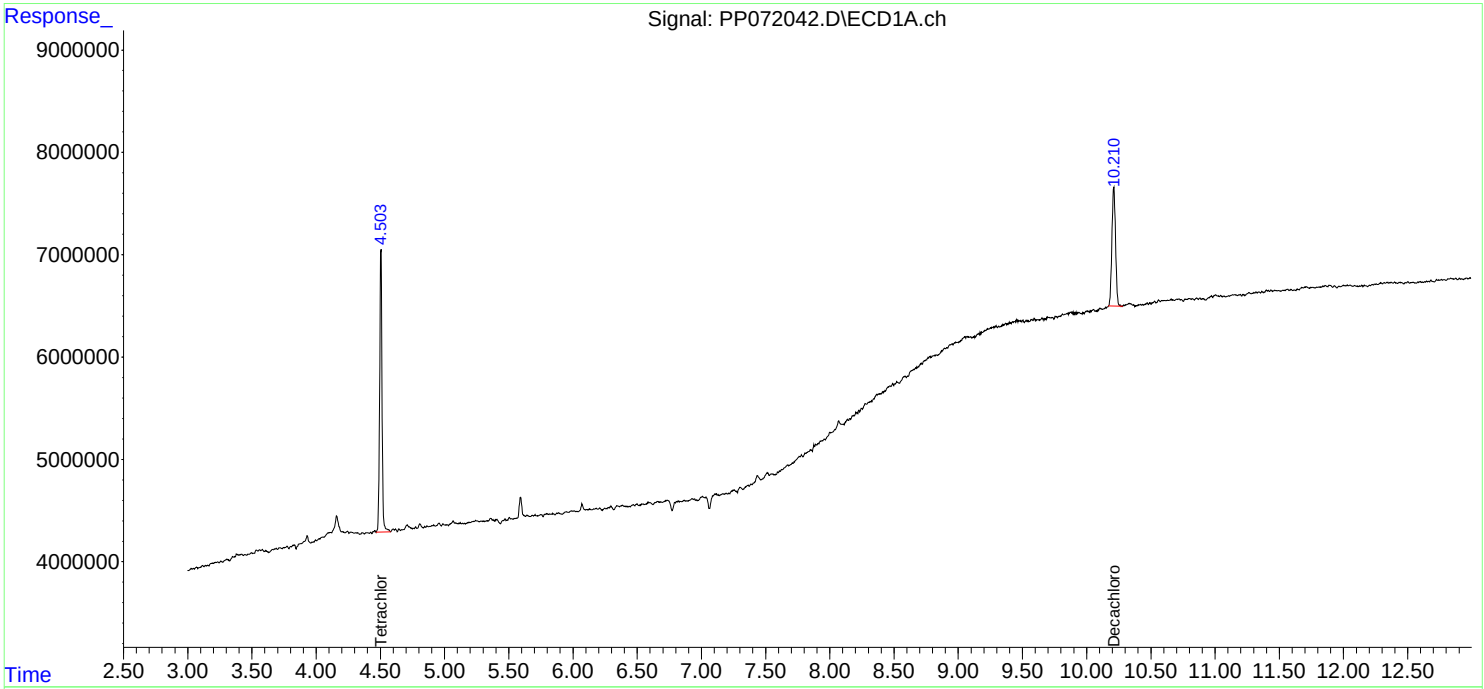
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 14:44
Operator : YP\AJ
Sample : Q2010-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

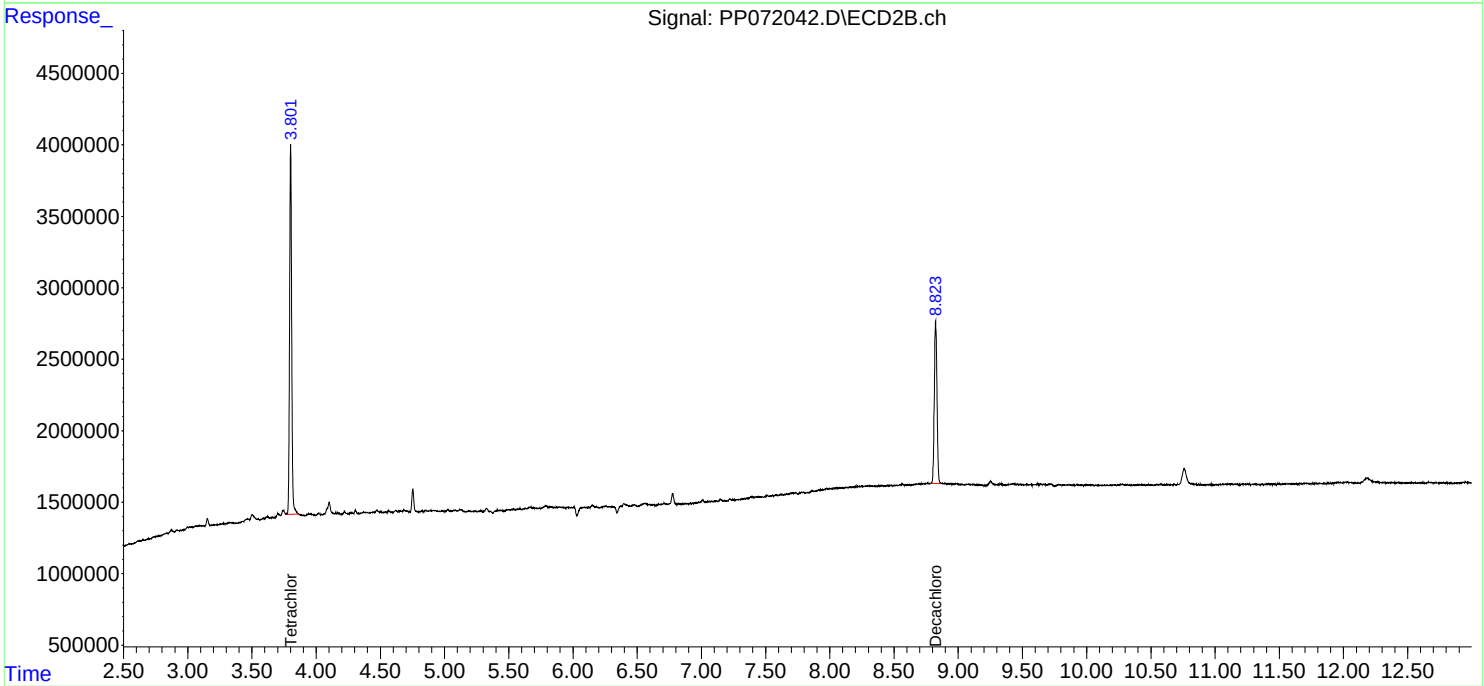
Instrument :
ECD_P
ClientSampleId :
TP-14

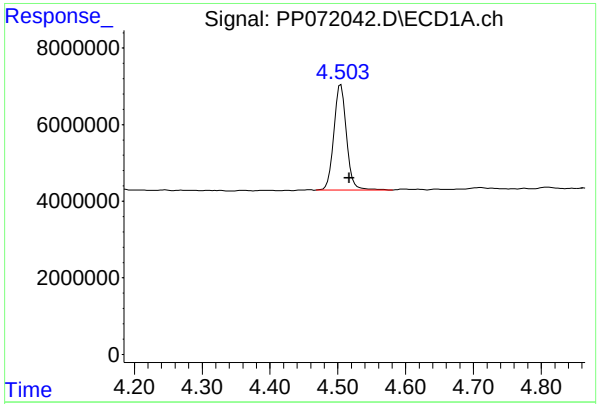
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:27:14 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







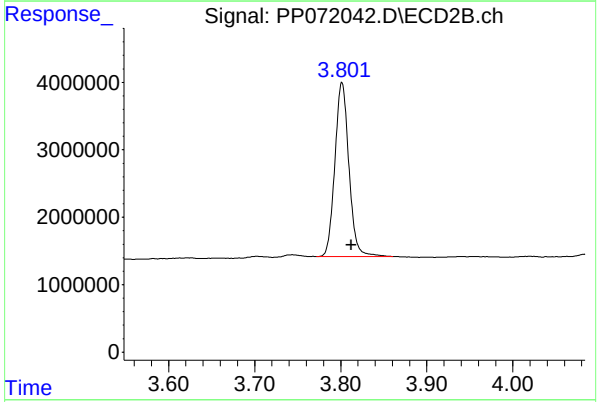
#1 Tetrachloro-m-xylene

R.T.: 4.505 min
Delta R.T.: -0.012 min
Response: 36114293
Conc: 18.22 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-14

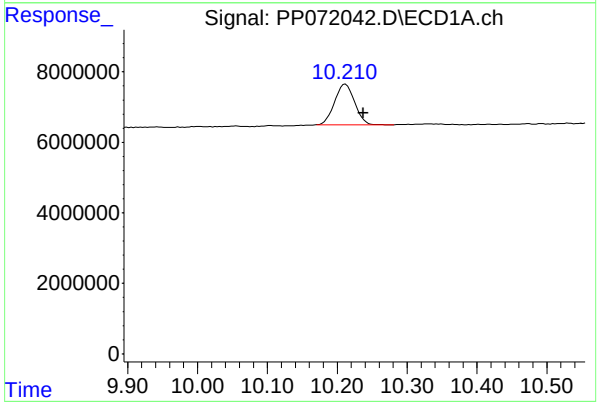
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025



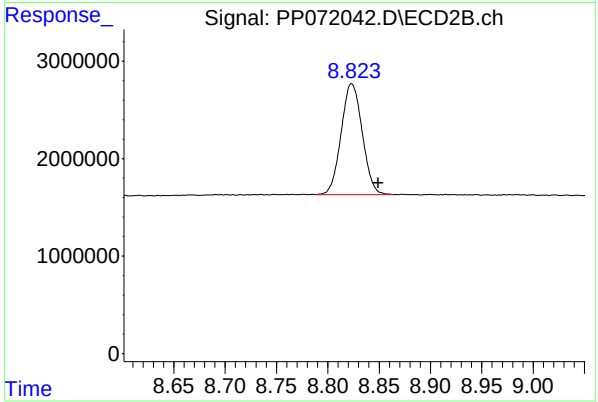
#1 Tetrachloro-m-xylene

R.T.: 3.801 min
Delta R.T.: -0.011 min
Response: 29270379
Conc: 20.78 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.212 min
Delta R.T.: -0.026 min
Response: 22988029
Conc: 15.88 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.823 min
Delta R.T.: -0.026 min
Response: 16274287
Conc: 18.56 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072043.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 15:01
Operator : YP\AJ
Sample : Q2010-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-17

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:27:28 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...	4.504	3.802	37251040	30116146	18.789	21.380m
2)	SA Decachlor...	10.211	8.825	23226559	16423131	16.040	18.725m
	Target Compounds						

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

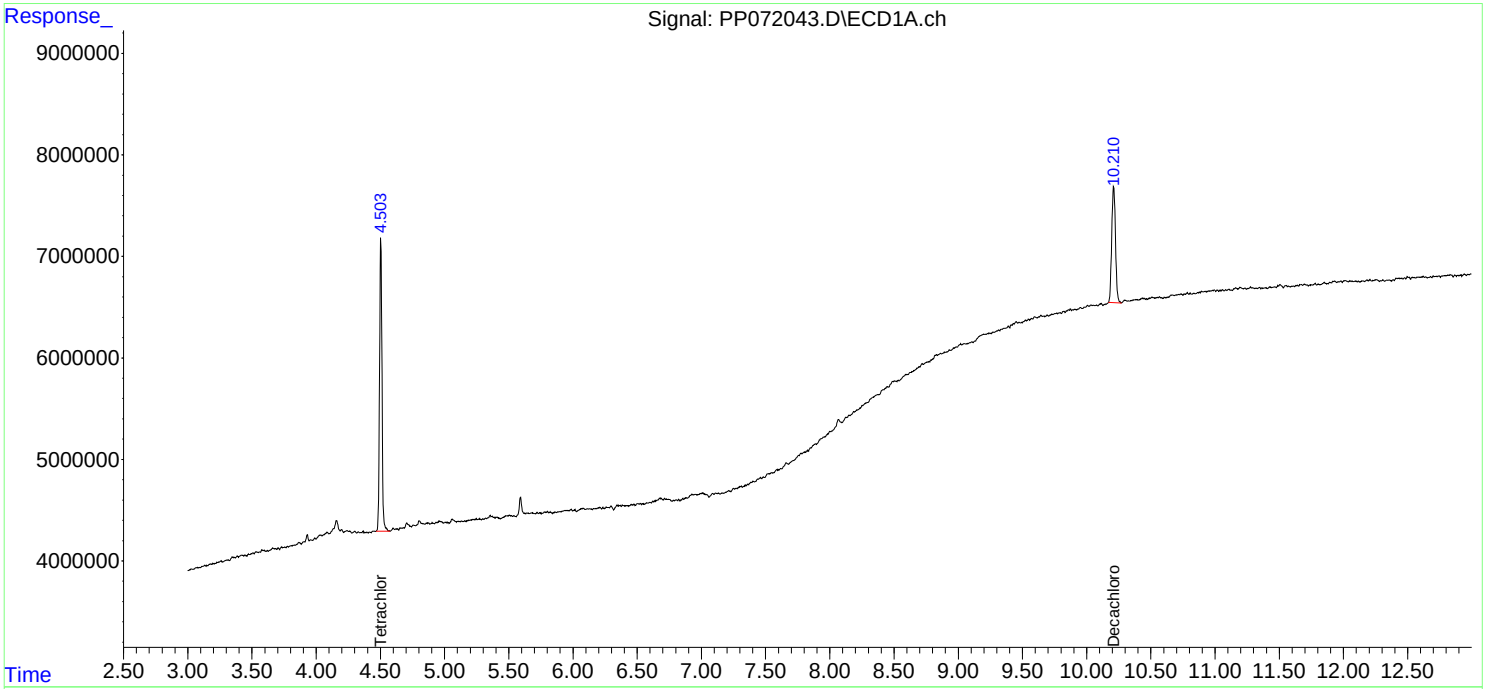
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072043.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 15:01
Operator : YP\AJ
Sample : Q2010-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

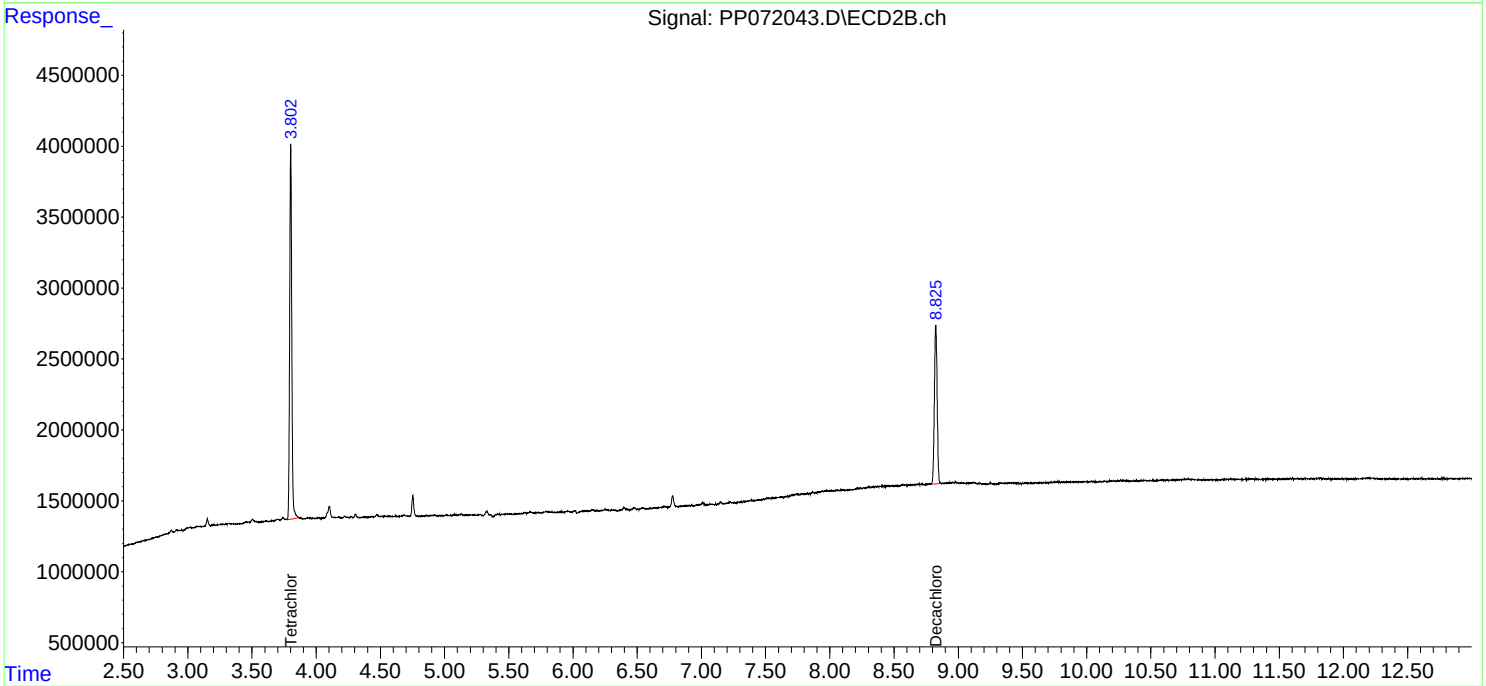
Instrument :
ECD_P
ClientSampleId :
TP-17

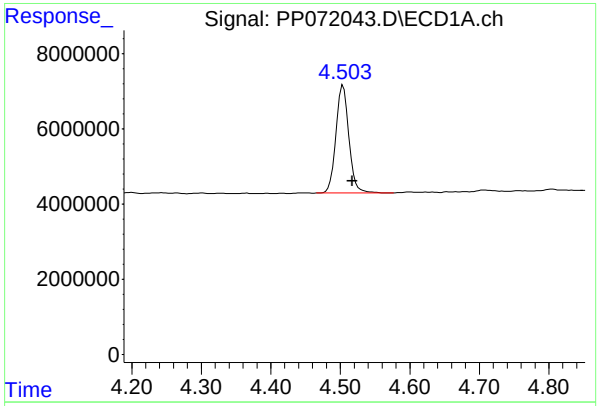
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:27:28 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







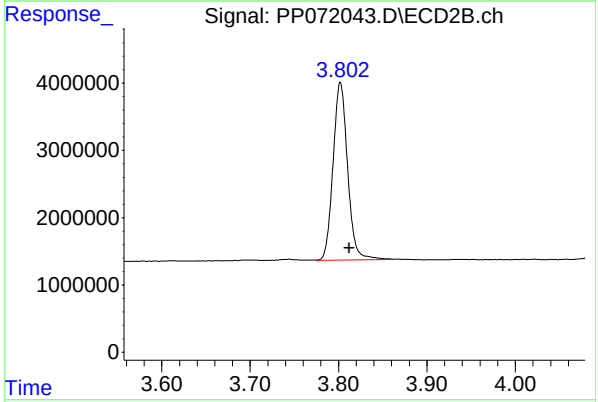
#1 Tetrachloro-m-xylene

R.T.: 4.504 min
Delta R.T.: -0.013 min
Response: 37251040
Conc: 18.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-17

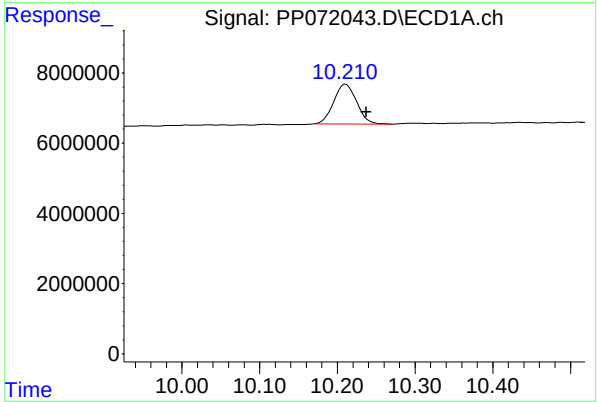
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025



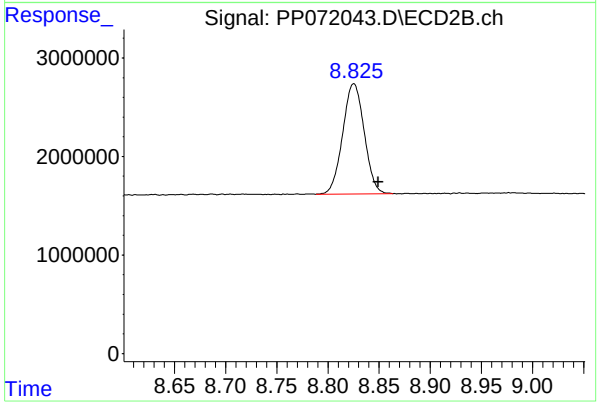
#1 Tetrachloro-m-xylene

R.T.: 3.802 min
Delta R.T.: -0.011 min
Response: 30116146
Conc: 21.38 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.211 min
Delta R.T.: -0.026 min
Response: 23226559
Conc: 16.04 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.825 min
Delta R.T.: -0.024 min
Response: 16423131
Conc: 18.73 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 13:39
Operator : YP\AJ
Sample : PB167997BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB167997BL

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:26:13 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	3.803	39159986	31312953	19.751	22.229
2) SA	Decachlor...	10.217	8.825	30561334	21288469	21.106	24.273m
	Target Compounds						

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

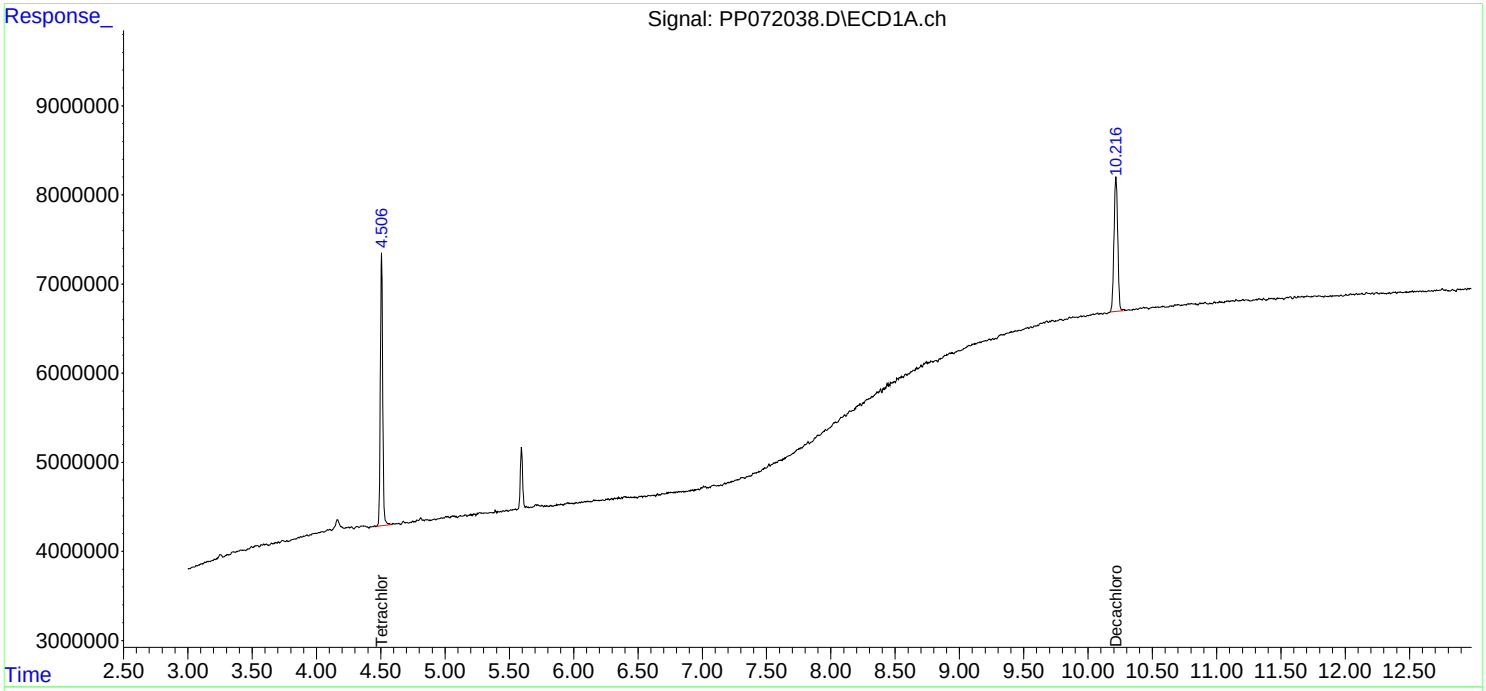
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 13:39
Operator : YP\AJ
Sample : PB167997BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

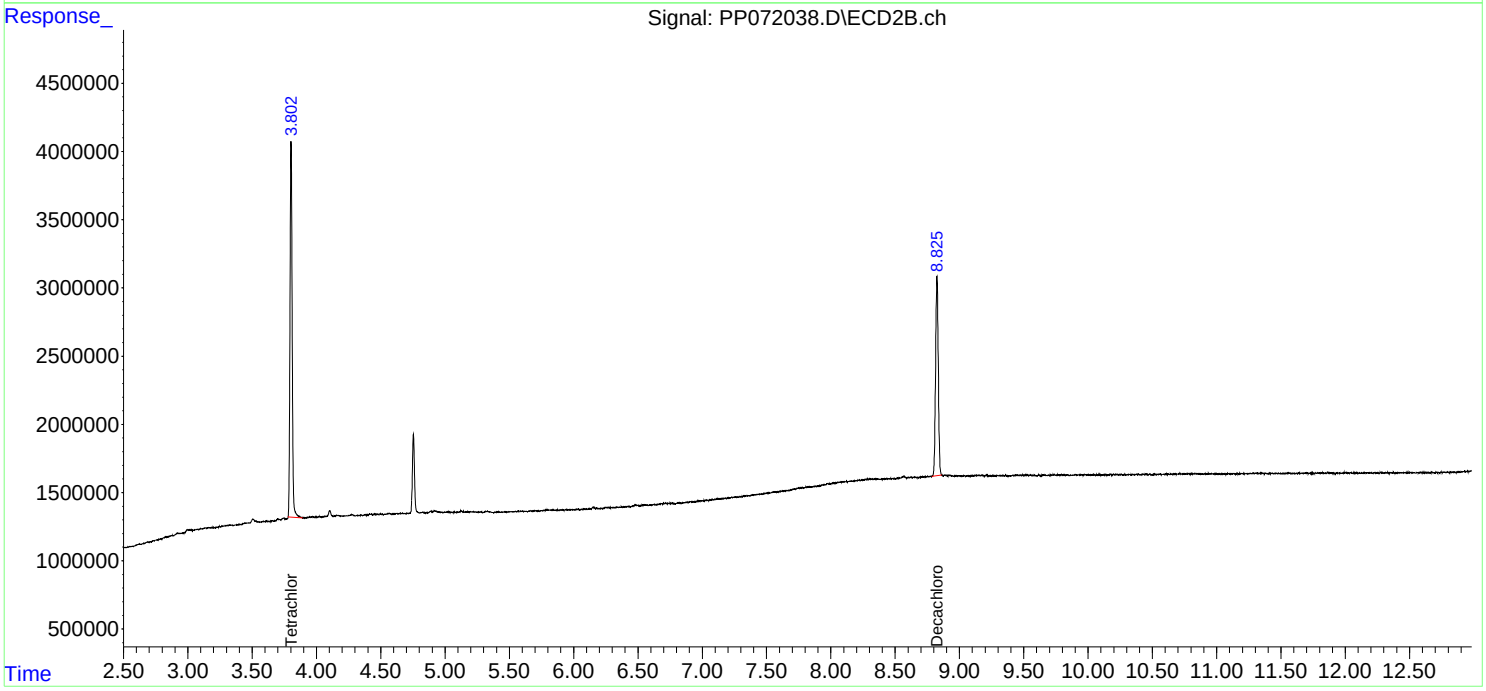
Instrument :
ECD_P
ClientSampleId :
PB167997BL

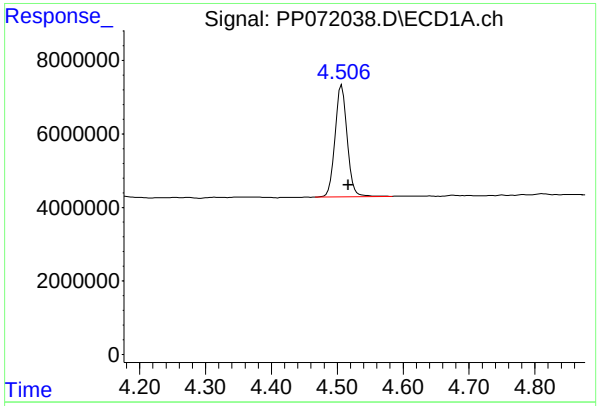
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:26:13 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







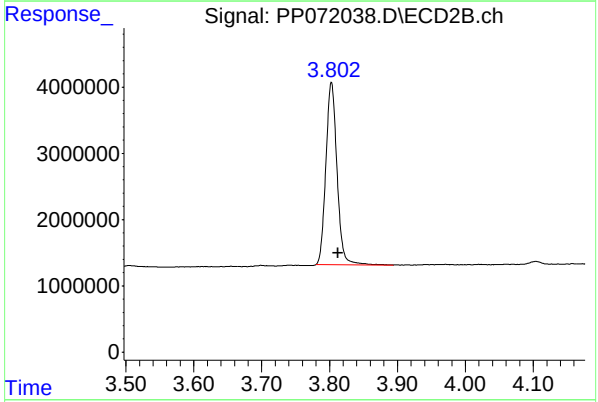
#1 Tetrachloro-m-xylene

R.T.: 4.507 min
Delta R.T.: -0.010 min
Response: 39159986
Conc: 19.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167997BL

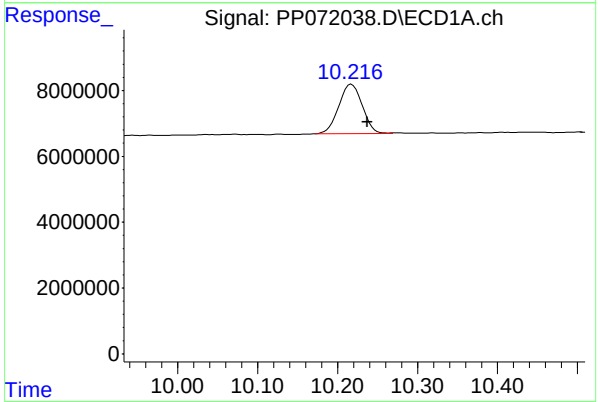
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025



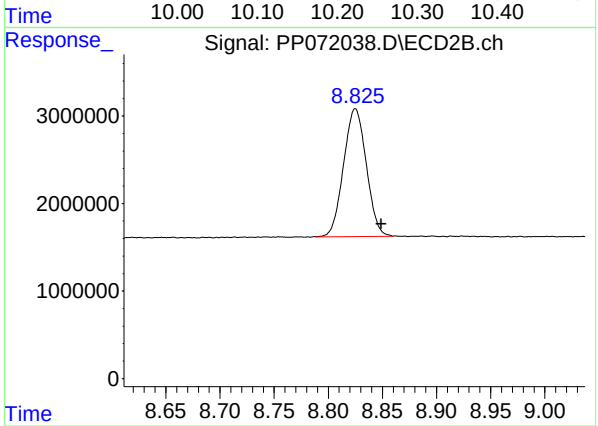
#1 Tetrachloro-m-xylene

R.T.: 3.803 min
Delta R.T.: -0.010 min
Response: 31312953
Conc: 22.23 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.217 min
Delta R.T.: -0.020 min
Response: 30561334
Conc: 21.11 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.825 min
Delta R.T.: -0.024 min
Response: 21288469
Conc: 24.27 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 13:55
Operator : YP\AJ
Sample : PB167997BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB167997BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:26:28 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...	4.509	3.802	38583145	28238433	19.461	20.047m
2)	SA Decachlor...	10.216	8.826	30691863	20560304	21.196	23.442m
	Target Compounds						
3)	L1 AR-1016-1	5.662	4.885	29823581	25648042	444.797	479.102m
4)	L1 AR-1016-2	5.684	4.903	46909717	37410902	457.084	489.904m
5)	L1 AR-1016-3	5.746	5.080	28521259	19489028	462.654	461.711m
6)	L1 AR-1016-4	5.843	5.122	23090730	15757604	450.128	456.928
7)	L1 AR-1016-5	6.135	5.336	20553381	20446901	426.079	460.026
31)	L7 AR-1260-1	7.253	6.369	43489431	35435572	452.899	490.124
32)	L7 AR-1260-2	7.508	6.558	66474338	43171063	464.604	493.601
33)	L7 AR-1260-3	7.866	6.710	45387438	39305765	404.869	501.428
34)	L7 AR-1260-4	8.090	7.181	47249096	29171218	418.634	462.224
35)	L7 AR-1260-5	8.409	7.423	97753918	68275266	431.445	452.822

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

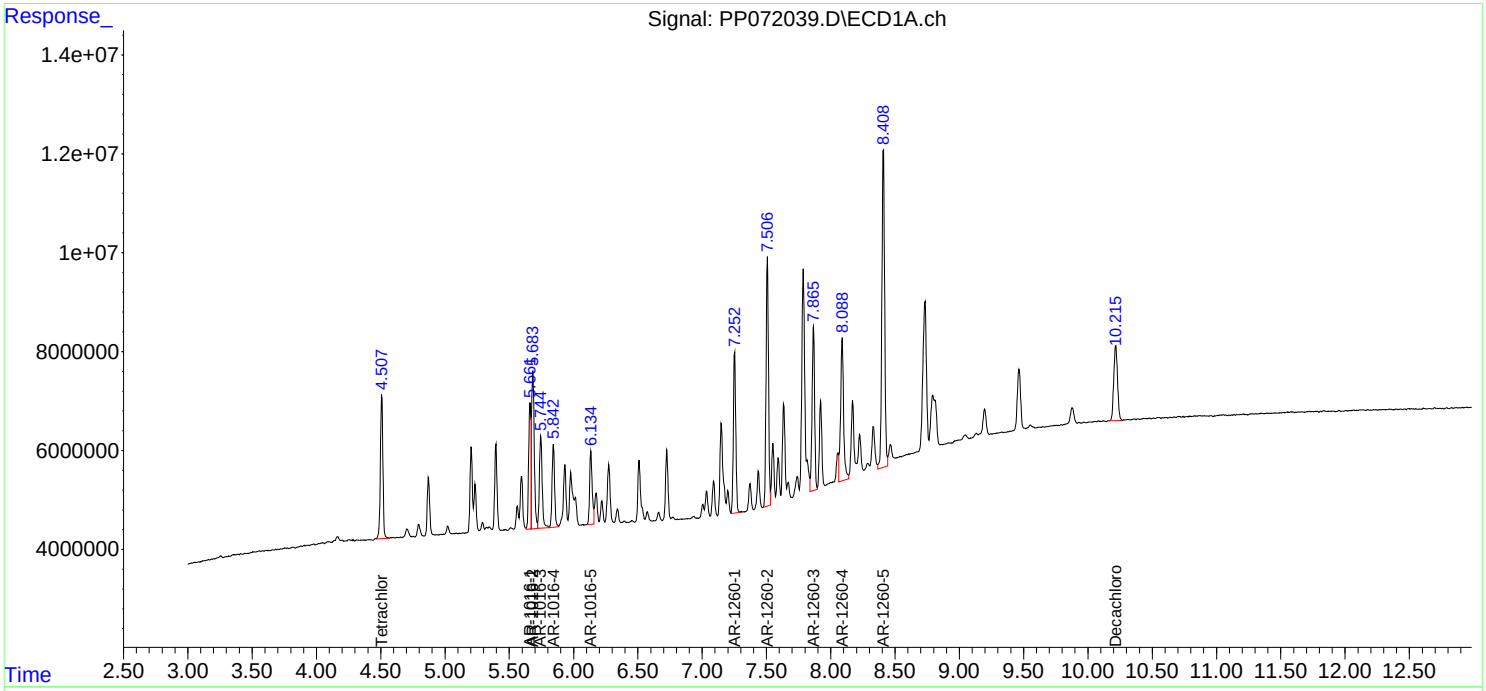
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 13:55
Operator : YP\AJ
Sample : PB167997BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

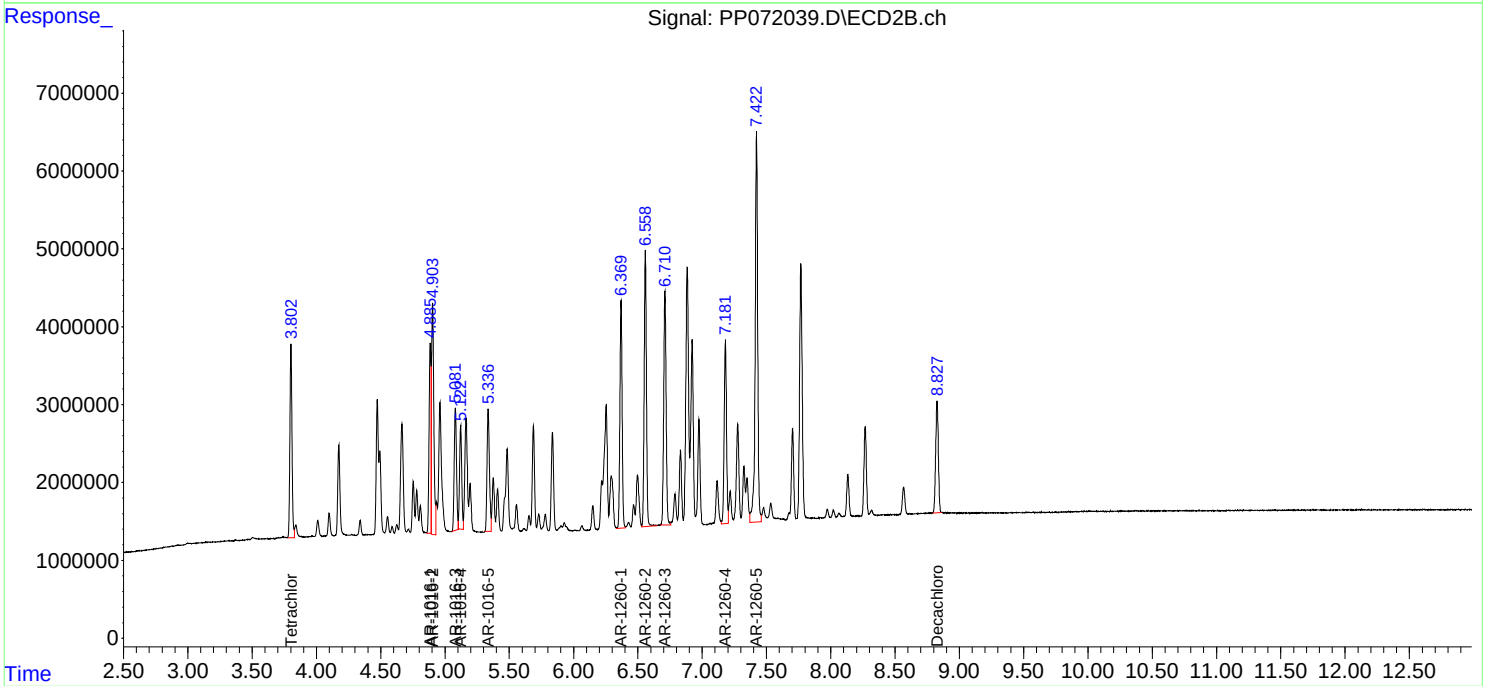
Instrument :
ECD_P
ClientSampleId :
PB167997BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:26:28 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





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072045.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 15:34
Operator : YP\AJ
Sample : Q2019-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
MH-KMS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:27:59 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	3.800	44280277	33923421	22.334	24.082m
2)	SA Decachlor...	10.213	8.824	33825968	22630232	23.360	25.803m
	Target Compounds						
3)	L1 AR-1016-1	5.680	4.902	52910048	33066449	789.115	617.677
4)	L1 AR-1016-2	5.680	4.902	52910048	33066449	515.550	433.013
5)	L1 AR-1016-3	5.742	5.079	31729495	20890623	514.696	494.916
6)	L1 AR-1016-4	5.840	5.121	26427333	17373428	515.171	503.783
7)	L1 AR-1016-5	6.133	5.335	23449459	23510464	486.116	528.952
31)	L7 AR-1260-1	7.251	6.368	49182678	41943313	512.188	580.135
32)	L7 AR-1260-2	7.504	6.557	72886659	49482978	509.421	565.769
33)	L7 AR-1260-3	7.863	6.709	50414610	44792751	449.713	571.427 #
34)	L7 AR-1260-4	8.085	7.179	51351565	31341034	454.983m	496.605m
35)	L7 AR-1260-5	8.406	7.421	108.0E6	74490881	476.535	494.046

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

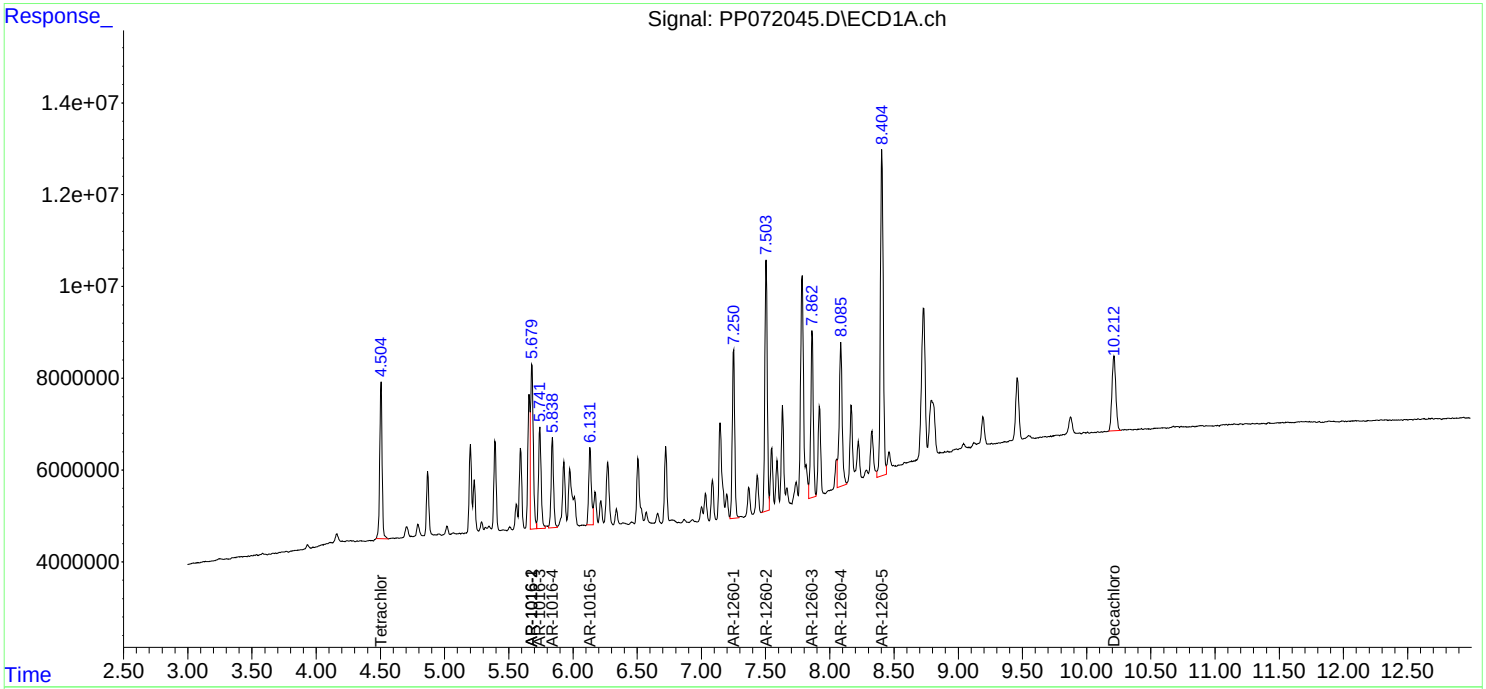
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072045.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 15:34
Operator : YP\AJ
Sample : Q2019-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

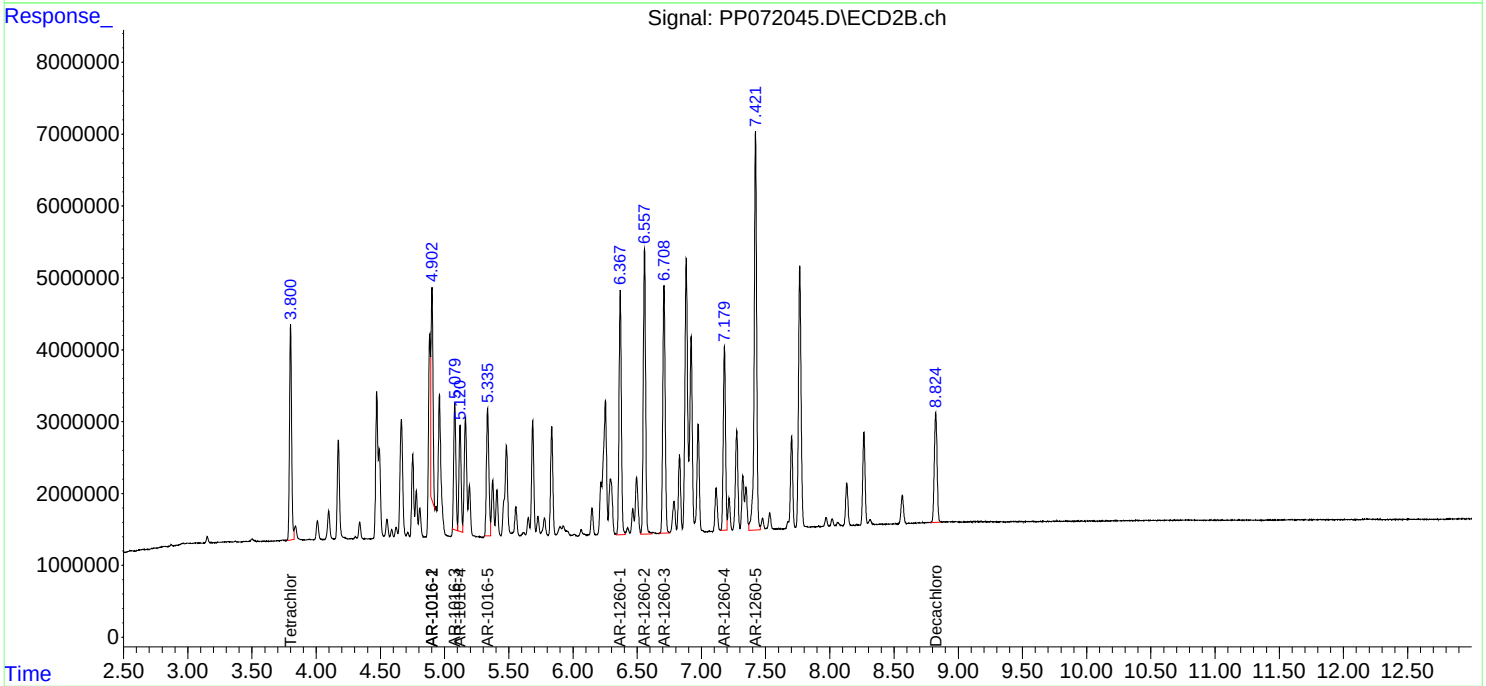
Instrument :
ECD_P
ClientSampleId :
MH-KMS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:27:59 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





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072046.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 15:50
Operator : YP\AJ
Sample : Q2019-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
MH-KMSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:28:14 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...	4.502	3.802	41734491	31698953	21.050m	22.503m
2)	SA Decachlor...	10.213	8.826	30738047	21201114	21.228	24.173m
	Target Compounds						
3)	L1 AR-1016-1	5.655	4.885	35132630	27506529	523.978m	513.818m
4)	L1 AR-1016-2	5.677	4.904	47894975	40339147	466.684m	528.250m
5)	L1 AR-1016-3	5.741	5.081	29648781	20289499	480.944	480.675
6)	L1 AR-1016-4	5.839	5.122	24439847	16808120	476.427	487.391
7)	L1 AR-1016-5	6.131	5.337	21281479	21622551	441.173	486.476
31)	L7 AR-1260-1	7.249	6.369	45439180	37163460	473.203	514.023
32)	L7 AR-1260-2	7.502	6.558	67834811	44270559	474.113	506.172
33)	L7 AR-1260-3	7.861	6.710	46212909	40329230	412.232	514.485
34)	L7 AR-1260-4	8.085	7.181	49024073	29082638	434.361	460.820
35)	L7 AR-1260-5	8.404	7.423	100.1E6	68310242	441.800	453.054

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

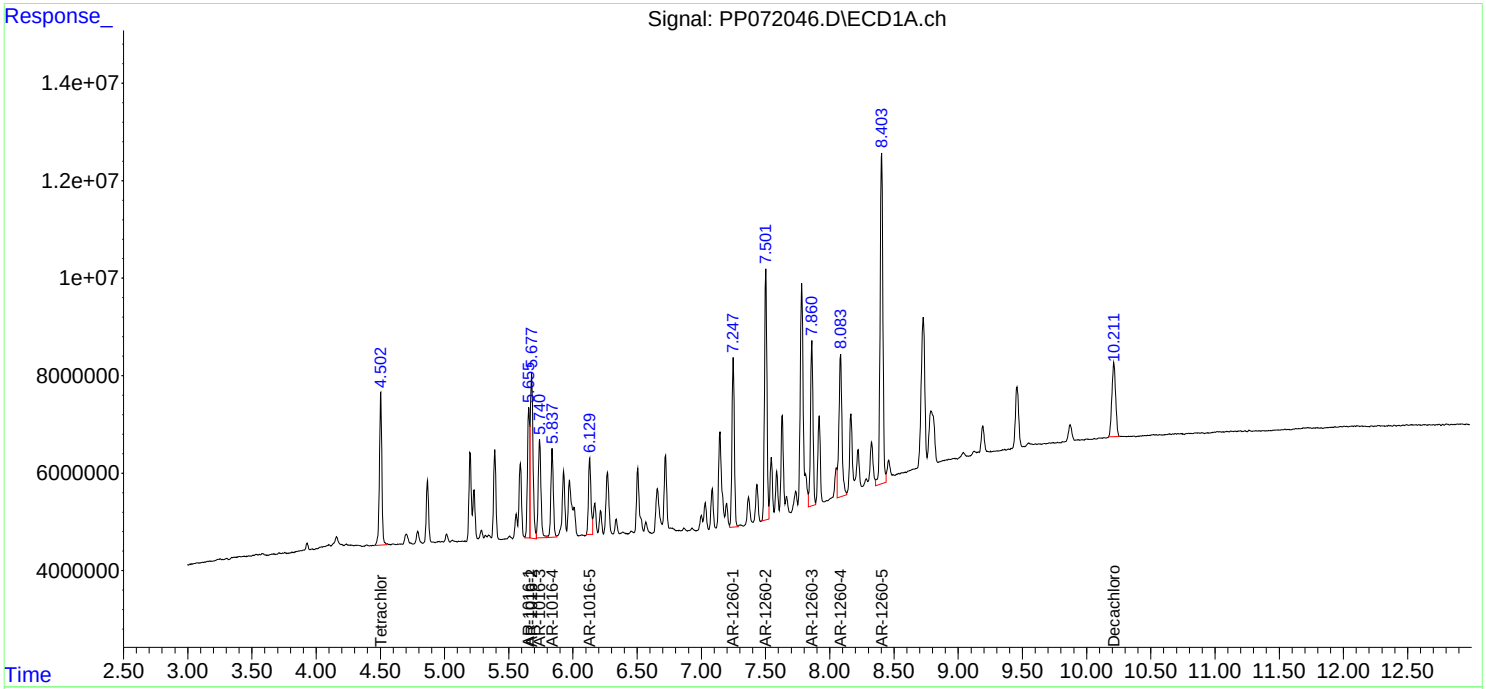
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072046.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 15:50
Operator : YP\AJ
Sample : Q2019-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

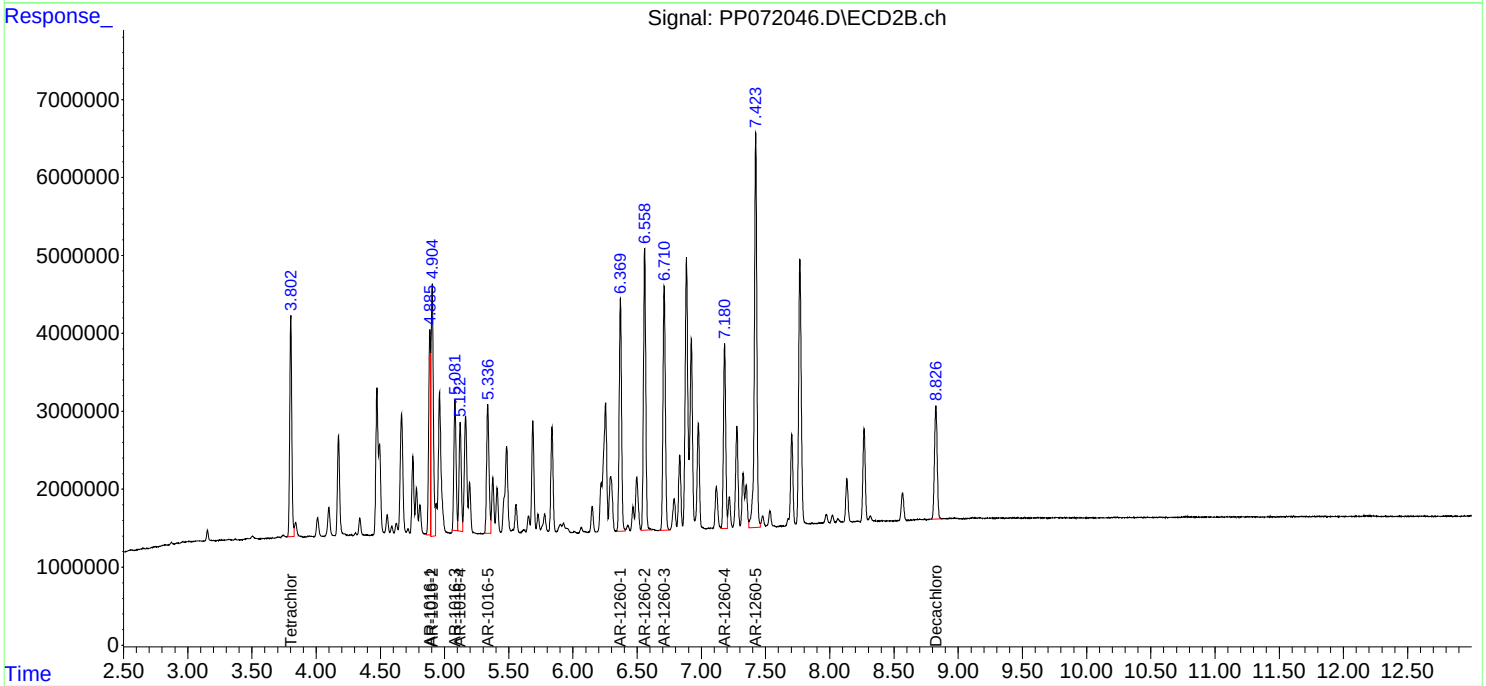
Instrument :
ECD_P
ClientSampleId :
MH-KMSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:28:14 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





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

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
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
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
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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Manual Integration Report

Sequence:	PP042225	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	pp051425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP072033.D	AR-1016-1	yogesh	5/15/2025 7:57:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072033.D	AR-1016-1 #2	yogesh	5/15/2025 7:57:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072033.D	AR-1016-2	yogesh	5/15/2025 7:57:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072033.D	AR-1016-2 #2	yogesh	5/15/2025 7:57:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072033.D	AR-1260-4 #2	yogesh	5/15/2025 7:57:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072033.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:57:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072034.D	AR-1242-1 #2	yogesh	5/15/2025 7:58:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072034.D	AR-1242-2 #2	yogesh	5/15/2025 7:58:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072034.D	AR-1242-3 #2	yogesh	5/15/2025 7:58:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072034.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:58:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072034.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:58:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072035.D	AR-1248-1 #2	yogesh	5/15/2025 7:58:03 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072035.D	Decachlorobiphenyl	yogesh	5/15/2025 7:58:03 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software

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Manual Integration Report

Sequence:	pp051425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248CCC500	PP072035.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:58:03 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072035.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:58:03 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072036.D	AR-1254-4 #2	yogesh	5/15/2025 7:58:53 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072036.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:58:53 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072036.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:58:53 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
I.BLK	PP072037.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:58:55 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
PB167997BL	PP072038.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:58:56 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
PB167997BS	PP072039.D	AR-1016-1 #2	yogesh	5/15/2025 7:58:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
PB167997BS	PP072039.D	AR-1016-2 #2	yogesh	5/15/2025 7:58:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
PB167997BS	PP072039.D	AR-1016-3 #2	yogesh	5/15/2025 7:58:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
PB167997BS	PP072039.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:58:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
PB167997BS	PP072039.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:58:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2010-01	PP072040.D	Decachlorobiphenyl	yogesh	5/15/2025 7:59:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software

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Manual Integration Report

Sequence:	pp051425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2010-01	PP072040.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:59:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2010-01	PP072040.D	Tetrachloro-m-xylene	yogesh	5/15/2025 7:59:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2010-01	PP072040.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:59:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2010-02	PP072041.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:59:03 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2010-02	PP072041.D	Tetrachloro-m-xylene	yogesh	5/15/2025 7:59:03 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2010-02	PP072041.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:59:03 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2010-03	PP072042.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:59:05 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2010-03	PP072042.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:59:05 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2010-04	PP072043.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:59:07 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2010-04	PP072043.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:59:07 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2019-01MS	PP072045.D	AR-1260-4	yogesh	5/15/2025 7:59:18 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2019-01MS	PP072045.D	AR-1260-4 #2	yogesh	5/15/2025 7:59:18 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2019-01MS	PP072045.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:59:18 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pp051425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2019-01MS	PP072045.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:59:18 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2019-01MSD	PP072046.D	AR-1016-1	yogesh	5/15/2025 7:59:20 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2019-01MSD	PP072046.D	AR-1016-1 #2	yogesh	5/15/2025 7:59:20 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2019-01MSD	PP072046.D	AR-1016-2	yogesh	5/15/2025 7:59:20 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2019-01MSD	PP072046.D	AR-1016-2 #2	yogesh	5/15/2025 7:59:20 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2019-01MSD	PP072046.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:59:20 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2019-01MSD	PP072046.D	Tetrachloro-m-xylene	yogesh	5/15/2025 7:59:20 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2019-01MSD	PP072046.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:59:20 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072048.D	AR-1016-1	yogesh	5/15/2025 7:59:24 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072048.D	AR-1016-1 #2	yogesh	5/15/2025 7:59:24 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072048.D	AR-1016-2	yogesh	5/15/2025 7:59:24 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072048.D	AR-1016-2 #2	yogesh	5/15/2025 7:59:24 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072048.D	AR-1016-3 #2	yogesh	5/15/2025 7:59:24 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software

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Manual Integration Report

Sequence:	pp051425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP072048.D	AR-1260-4 #2	yogesh	5/15/2025 7:59:24 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072048.D	Decachlorobiphenyl	yogesh	5/15/2025 7:59:24 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072048.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:59:24 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072048.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:59:24 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072049.D	AR-1242-1 #2	yogesh	5/15/2025 7:59:26 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072049.D	AR-1242-2 #2	yogesh	5/15/2025 7:59:26 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072049.D	AR-1242-3 #2	yogesh	5/15/2025 7:59:26 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072049.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:59:26 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072049.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:59:26 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072050.D	AR-1248-1	yogesh	5/15/2025 7:59:28 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072050.D	AR-1248-1 #2	yogesh	5/15/2025 7:59:28 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072050.D	AR-1248-3	yogesh	5/15/2025 7:59:28 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072050.D	Decachlorobiphenyl	yogesh	5/15/2025 7:59:28 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software

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Manual Integration Report

Sequence:	pp051425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248CCC50 0	PP072050.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:59:28 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC50 0	PP072051.D	AR-1254-4 #2	yogesh	5/15/2025 7:59:30 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC50 0	PP072051.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:59:30 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC50 0	PP072051.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:59:30 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
I.BLK	PP072052.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:59:32 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC50 0	PP072063.D	AR-1016-1	yogesh	5/15/2025 8:00:30 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC50 0	PP072063.D	AR-1016-1 #2	yogesh	5/15/2025 8:00:30 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC50 0	PP072063.D	AR-1016-2 #2	yogesh	5/15/2025 8:00:30 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC50 0	PP072063.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:00:30 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC50 0	PP072064.D	AR-1242-1 #2	yogesh	5/15/2025 8:00:32 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC50 0	PP072064.D	AR-1242-2 #2	yogesh	5/15/2025 8:00:32 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC50 0	PP072064.D	Decachlorobiphenyl	yogesh	5/15/2025 8:00:32 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC50 0	PP072064.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:00:32 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software

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Manual Integration Report

Sequence:	pp051425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP072064.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:00:32 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072065.D	AR-1248-1 #2	yogesh	5/15/2025 8:00:34 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072065.D	AR-1248-3	yogesh	5/15/2025 8:00:34 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072065.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:00:34 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072065.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:00:34 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072066.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:00:36 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072066.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:00:36 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
I.BLK	PP072067.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:00:38 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
I.BLK	PP072067.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:00:38 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072076.D	AR-1016-1	yogesh	5/15/2025 8:00:55 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072076.D	AR-1016-1 #2	yogesh	5/15/2025 8:00:55 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072076.D	AR-1016-2	yogesh	5/15/2025 8:00:55 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072076.D	AR-1016-2 #2	yogesh	5/15/2025 8:00:55 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software

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Manual Integration Report

Sequence:	pp051425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP072076.D	AR-1016-3 #2	yogesh	5/15/2025 8:00:55 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072076.D	AR-1016-5	yogesh	5/15/2025 8:00:55 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072076.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:00:55 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072076.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:00:55 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072077.D	AR-1242-1 #2	yogesh	5/15/2025 8:00:56 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072077.D	AR-1242-2 #2	yogesh	5/15/2025 8:00:56 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072077.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:00:56 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072077.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:00:56 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072078.D	AR-1248-1 #2	yogesh	5/15/2025 8:00:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072078.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:00:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072078.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:00:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072079.D	Decachlorobiphenyl	yogesh	5/15/2025 8:01:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072079.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:01:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software

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Manual Integration Report

Sequence:	pp051425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP072079.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:01:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
I.BLK	PP072080.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:01:02 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
I.BLK	PP072080.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:01:02 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072091.D	AR-1016-1	yogesh	5/16/2025 8:09:39 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072091.D	AR-1016-1 #2	yogesh	5/16/2025 8:09:39 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072091.D	AR-1016-2	yogesh	5/16/2025 8:09:39 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072091.D	AR-1016-2 #2	yogesh	5/16/2025 8:09:39 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072091.D	AR-1260-4 #2	yogesh	5/16/2025 8:09:39 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072091.D	Decachlorobiphenyl #2	yogesh	5/16/2025 8:09:39 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072091.D	Tetrachloro-m-xylene #2	yogesh	5/16/2025 8:09:39 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072092.D	AR-1242-1 #2	yogesh	5/16/2025 8:09:41 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072092.D	AR-1242-2 #2	yogesh	5/16/2025 8:09:41 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072092.D	Decachlorobiphenyl #2	yogesh	5/16/2025 8:09:41 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software

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Manual Integration Report

Sequence:	pp051425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP072092.D	Tetrachloro-m-xylene #2	yogesh	5/16/2025 8:09:41 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072093.D	AR-1248-5 #2	yogesh	5/16/2025 8:09:43 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072093.D	Decachlorobiphenyl #2	yogesh	5/16/2025 8:09:43 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072093.D	Tetrachloro-m-xylene #2	yogesh	5/16/2025 8:09:43 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072094.D	AR-1254-4 #2	yogesh	5/16/2025 8:09:45 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072094.D	Decachlorobiphenyl #2	yogesh	5/16/2025 8:09:45 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072094.D	Tetrachloro-m-xylene #2	yogesh	5/16/2025 8:09:45 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
I.BLK	PP072095.D	Decachlorobiphenyl #2	yogesh	5/16/2025 8:09:47 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
I.BLK	PP072095.D	Tetrachloro-m-xylene #2	yogesh	5/16/2025 8:09:47 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software

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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 # PP051425

Review By	yogesh	Review On	5/14/2025 10:30:08 AM		
Supervise By	mohammad	Supervise On	5/19/2025 2:35:06 AM		
SubDirectory	PP051425	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	PP072032.D	14 May 2025 08:51	YP\AJ	Ok
2	AR1660CCC500	PP072033.D	14 May 2025 09:07	YP\AJ	Ok,M
3	AR1242CCC500	PP072034.D	14 May 2025 09:25	YP\AJ	Ok,M
4	AR1248CCC500	PP072035.D	14 May 2025 09:41	YP\AJ	Ok,M
5	AR1254CCC500	PP072036.D	14 May 2025 09:58	YP\AJ	Ok,M
6	I.BLK	PP072037.D	14 May 2025 10:14	YP\AJ	Ok,M
7	PB167997BL	PP072038.D	14 May 2025 13:39	YP\AJ	Ok,M
8	PB167997BS	PP072039.D	14 May 2025 13:55	YP\AJ	Ok,M
9	Q2010-01	PP072040.D	14 May 2025 14:12	YP\AJ	Ok,M
10	Q2010-02	PP072041.D	14 May 2025 14:28	YP\AJ	Ok,M
11	Q2010-03	PP072042.D	14 May 2025 14:44	YP\AJ	Ok,M
12	Q2010-04	PP072043.D	14 May 2025 15:01	YP\AJ	Ok,M
13	Q2019-01	PP072044.D	14 May 2025 15:17	YP\AJ	Ok,M
14	Q2019-01MS	PP072045.D	14 May 2025 15:34	YP\AJ	Ok,M
15	Q2019-01MSD	PP072046.D	14 May 2025 15:50	YP\AJ	Ok,M
16	Q2020-01	PP072047.D	14 May 2025 16:06	YP\AJ	Ok,M
17	AR1660CCC500	PP072048.D	14 May 2025 17:12	YP\AJ	Ok,M
18	AR1242CCC500	PP072049.D	14 May 2025 17:44	YP\AJ	Ok,M
19	AR1248CCC500	PP072050.D	14 May 2025 18:01	YP\AJ	Ok,M
20	AR1254CCC500	PP072051.D	14 May 2025 18:17	YP\AJ	Ok,M
21	I.BLK	PP072052.D	14 May 2025 18:33	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051425

Review By	yogesh	Review On	5/14/2025 10:30:08 AM		
Supervise By	mohammad	Supervise On	5/19/2025 2:35:06 AM		
SubDirectory	PP051425	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	Q2005-01	PP072053.D	14 May 2025 18:50	YP\AJ	Ok
23	Q1990-01	PP072054.D	14 May 2025 19:06	YP\AJ	Dilution
24	Q1990-02	PP072055.D	14 May 2025 19:22	YP\AJ	Ok,M
25	Q2041-01	PP072056.D	14 May 2025 19:39	YP\AJ	Ok,M
26	Q2041-02	PP072057.D	14 May 2025 19:55	YP\AJ	Ok,M
27	Q2041-03	PP072058.D	14 May 2025 20:11	YP\AJ	Ok,M
28	Q2041-04	PP072059.D	14 May 2025 20:28	YP\AJ	Not Ok
29	Q2041-05	PP072060.D	14 May 2025 20:44	YP\AJ	Ok,M
30	Q2041-06	PP072061.D	14 May 2025 21:00	YP\AJ	Ok
31	Q2041-07	PP072062.D	14 May 2025 21:17	YP\AJ	Ok,M
32	AR1660CCC500	PP072063.D	14 May 2025 22:55	YP\AJ	Ok,M
33	AR1242CCC500	PP072064.D	14 May 2025 23:27	YP\AJ	Ok,M
34	AR1248CCC500	PP072065.D	14 May 2025 23:44	YP\AJ	Ok,M
35	AR1254CCC500	PP072066.D	15 May 2025 00:00	YP\AJ	Ok,M
36	I.BLK	PP072067.D	15 May 2025 00:16	YP\AJ	Ok,M
37	Q2041-08	PP072068.D	15 May 2025 00:33	YP\AJ	Ok
38	Q2042-01	PP072069.D	15 May 2025 00:49	YP\AJ	Ok,M
39	Q2042-02	PP072070.D	15 May 2025 01:05	YP\AJ	Ok
40	Q2042-04	PP072071.D	15 May 2025 01:22	YP\AJ	Ok,M
41	Q2042-05	PP072072.D	15 May 2025 01:38	YP\AJ	Ok,M
42	Q2022-01	PP072073.D	15 May 2025 01:55	YP\AJ	Ok,M
43	Q2022-02	PP072074.D	15 May 2025 02:11	YP\AJ	Ok,M
44	Q2022-04	PP072075.D	15 May 2025 02:27	YP\AJ	Ok,M

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Fax : 908 789 8922

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051425

Review By	yogesh	Review On	5/14/2025 10:30:08 AM		
Supervise By	mohammad	Supervise On	5/19/2025 2:35:06 AM		
SubDirectory	PP051425	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	

45	AR1660CCC500	PP072076.D	15 May 2025 04:05	YP\AJ	Ok,M
46	AR1242CCC500	PP072077.D	15 May 2025 04:38	YP\AJ	Ok,M
47	AR1248CCC500	PP072078.D	15 May 2025 04:54	YP\AJ	Ok,M
48	AR1254CCC500	PP072079.D	15 May 2025 05:11	YP\AJ	Ok,M
49	I.BLK	PP072080.D	15 May 2025 05:27	YP\AJ	Ok,M
50	PB168005BL	PP072081.D	15 May 2025 05:43	YP\AJ	Ok,M
51	PB168005BS	PP072082.D	15 May 2025 05:59	YP\AJ	Ok,M
52	PB168005BSD	PP072083.D	15 May 2025 06:16	YP\AJ	Ok,M
53	PB168009BL	PP072084.D	15 May 2025 06:32	YP\AJ	Ok,M
54	PB168009BS	PP072085.D	15 May 2025 06:48	YP\AJ	Ok,M
55	Q2023-01	PP072086.D	15 May 2025 07:05	YP\AJ	Ok,M
56	Q2024-01	PP072087.D	15 May 2025 07:21	YP\AJ	Ok,M
57	Q2027-03	PP072088.D	15 May 2025 07:37	YP\AJ	Ok,M
58	Q2027-04	PP072089.D	15 May 2025 07:54	YP\AJ	Ok,M
59	Q2023-01	PP072090.D	15 May 2025 08:10	YP\AJ	Ok,M
60	AR1660CCC500	PP072091.D	15 May 2025 09:15	YP\AJ	Ok,M
61	AR1242CCC500	PP072092.D	15 May 2025 09:32	YP\AJ	Ok,M
62	AR1248CCC500	PP072093.D	15 May 2025 09:48	YP\AJ	Ok,M
63	AR1254CCC500	PP072094.D	15 May 2025 10:05	YP\AJ	Ok,M
64	I.BLK	PP072095.D	15 May 2025 10:22	YP\AJ	Ok,M

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 # PP051425

Review By	yogesh	Review On	5/14/2025 10:30:08 AM		
Supervise By	mohammad	Supervise On	5/19/2025 2:35:06 AM		
SubDirectory	PP051425	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	PP072032.D	14 May 2025 08:51		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP072033.D	14 May 2025 09:07		YP\AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PP072034.D	14 May 2025 09:25	DCB high in 2nd column	YP\AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PP072035.D	14 May 2025 09:41	DCB high in 2nd column	YP\AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PP072036.D	14 May 2025 09:58	DCB high in 2nd column	YP\AJ	Ok,M
6	I.BLK	I.BLK	PP072037.D	14 May 2025 10:14		YP\AJ	Ok,M
7	PB167997BL	PB167997BL	PP072038.D	14 May 2025 13:39		YP\AJ	Ok,M
8	PB167997BS	PB167997BS	PP072039.D	14 May 2025 13:55		YP\AJ	Ok,M
9	Q2010-01	TP-10	PP072040.D	14 May 2025 14:12		YP\AJ	Ok,M
10	Q2010-02	TP-13	PP072041.D	14 May 2025 14:28		YP\AJ	Ok,M
11	Q2010-03	TP-14	PP072042.D	14 May 2025 14:44		YP\AJ	Ok,M
12	Q2010-04	TP-17	PP072043.D	14 May 2025 15:01		YP\AJ	Ok,M
13	Q2019-01	MH-K	PP072044.D	14 May 2025 15:17		YP\AJ	Ok,M
14	Q2019-01MS	MH-KMS	PP072045.D	14 May 2025 15:34		YP\AJ	Ok,M
15	Q2019-01MSD	MH-KMSD	PP072046.D	14 May 2025 15:50		YP\AJ	Ok,M
16	Q2020-01	TP-A	PP072047.D	14 May 2025 16:06	AR1254 Hit	YP\AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PP072048.D	14 May 2025 17:12		YP\AJ	Ok,M
18	AR1242CCC500	AR1242CCC500	PP072049.D	14 May 2025 17:44		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051425

Review By	yogesh	Review On	5/14/2025 10:30:08 AM		
Supervise By	mohammad	Supervise On	5/19/2025 2:35:06 AM		
SubDirectory	PP051425	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	PP072050.D	14 May 2025 18:01		YP\AJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PP072051.D	14 May 2025 18:17		YP\AJ	Ok,M
21	I.BLK	I.BLK	PP072052.D	14 May 2025 18:33		YP\AJ	Ok,M
22	Q2005-01	252806	PP072053.D	14 May 2025 18:50	DCB low in 1st column	YP\AJ	Ok
23	Q1990-01	43025-A	PP072054.D	14 May 2025 19:06	AR1254 + 1242 Hit , need dilution	YP\AJ	Dilution
24	Q1990-02	43025-B	PP072055.D	14 May 2025 19:22	AR1254 + 1242 Hit (Need to confirm)	YP\AJ	Ok,M
25	Q2041-01	HIH359A-1-1	PP072056.D	14 May 2025 19:39	AR1254 Hit	YP\AJ	Ok,M
26	Q2041-02	HIH359A-1-2	PP072057.D	14 May 2025 19:55	AR1254 Hit	YP\AJ	Ok,M
27	Q2041-03	HIA9895-1-1	PP072058.D	14 May 2025 20:11		YP\AJ	Ok,M
28	Q2041-04	HIA9895-1-2	PP072059.D	14 May 2025 20:28	Surrogates not detected	YP\AJ	Not Ok
29	Q2041-05	250-1-1	PP072060.D	14 May 2025 20:44		YP\AJ	Ok,M
30	Q2041-06	250-1-2	PP072061.D	14 May 2025 21:00		YP\AJ	Ok
31	Q2041-07	250-2-1	PP072062.D	14 May 2025 21:17		YP\AJ	Ok,M
32	AR1660CCC500	AR1660CCC500	PP072063.D	14 May 2025 22:55		YP\AJ	Ok,M
33	AR1242CCC500	AR1242CCC500	PP072064.D	14 May 2025 23:27		YP\AJ	Ok,M
34	AR1248CCC500	AR1248CCC500	PP072065.D	14 May 2025 23:44		YP\AJ	Ok,M
35	AR1254CCC500	AR1254CCC500	PP072066.D	15 May 2025 00:00		YP\AJ	Ok,M
36	I.BLK	I.BLK	PP072067.D	15 May 2025 00:16		YP\AJ	Ok,M
37	Q2041-08	250-2-2	PP072068.D	15 May 2025 00:33	DCB high in 1st column	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051425

Review By	yogesh	Review On	5/14/2025 10:30:08 AM		
Supervise By	mohammad	Supervise On	5/19/2025 2:35:06 AM		
SubDirectory	PP051425	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	

38	Q2042-01	HEI570L-1-1	PP072069.D	15 May 2025 00:49	AR1254 Hit	YP\AJ	Ok,M
39	Q2042-02	HEI570L-1-2	PP072070.D	15 May 2025 01:05		YP\AJ	Ok
40	Q2042-04	HEI570L-2-1	PP072071.D	15 May 2025 01:22	AR1254 Hit	YP\AJ	Ok,M
41	Q2042-05	HEI570L-2-2	PP072072.D	15 May 2025 01:38		YP\AJ	Ok,M
42	Q2022-01	336	PP072073.D	15 May 2025 01:55		YP\AJ	Ok,M
43	Q2022-02	COMP-1	PP072074.D	15 May 2025 02:11		YP\AJ	Ok,M
44	Q2022-04	COMP-2	PP072075.D	15 May 2025 02:27		YP\AJ	Ok,M
45	AR1660CCC500	AR1660CCC500	PP072076.D	15 May 2025 04:05		YP\AJ	Ok,M
46	AR1242CCC500	AR1242CCC500	PP072077.D	15 May 2025 04:38		YP\AJ	Ok,M
47	AR1248CCC500	AR1248CCC500	PP072078.D	15 May 2025 04:54		YP\AJ	Ok,M
48	AR1254CCC500	AR1254CCC500	PP072079.D	15 May 2025 05:11		YP\AJ	Ok,M
49	I.BLK	I.BLK	PP072080.D	15 May 2025 05:27		YP\AJ	Ok,M
50	PB168005BL	PB168005BL	PP072081.D	15 May 2025 05:43		YP\AJ	Ok,M
51	PB168005BS	PB168005BS	PP072082.D	15 May 2025 05:59		YP\AJ	Ok,M
52	PB168005BSD	PB168005BSD	PP072083.D	15 May 2025 06:16		YP\AJ	Ok,M
53	PB168009BL	PB168009BL	PP072084.D	15 May 2025 06:32		YP\AJ	Ok,M
54	PB168009BS	PB168009BS	PP072085.D	15 May 2025 06:48		YP\AJ	Ok,M
55	Q2023-01	HEATER-PAD	PP072086.D	15 May 2025 07:05		YP\AJ	Ok,M
56	Q2024-01	PL-02-051325	PP072087.D	15 May 2025 07:21		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051425

Review By	yogesh	Review On	5/14/2025 10:30:08 AM		
Supervise By	mohammad	Supervise On	5/19/2025 2:35:06 AM		
SubDirectory	PP051425	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	

57	Q2027-03	B27-SOIL-SAMPLE	PP072088.D	15 May 2025 07:37		YP\AJ	Ok,M
58	Q2027-04	B28-SOIL-SAMPLE	PP072089.D	15 May 2025 07:54	AR1260 + 1254 Hit	YP\AJ	Ok,M
59	Q2023-01	HEATER-PAD	PP072090.D	15 May 2025 08:10		YP\AJ	Ok,M
60	AR1660CCC500	AR1660CCC500	PP072091.D	15 May 2025 09:15		YP\AJ	Ok,M
61	AR1242CCC500	AR1242CCC500	PP072092.D	15 May 2025 09:32		YP\AJ	Ok,M
62	AR1248CCC500	AR1248CCC500	PP072093.D	15 May 2025 09:48		YP\AJ	Ok,M
63	AR1254CCC500	AR1254CCC500	PP072094.D	15 May 2025 10:05		YP\AJ	Ok,M
64	I.BLK	I.BLK	PP072095.D	15 May 2025 10:22		YP\AJ	Ok,M

M : Manual Integration

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EXTRACTION LOGPAGE

PB167997

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Acid Cleanup			**Extraction Start Date :**	05/14/2025
Matrix :	Solid			**Extraction Start Time :**	09:00
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	05/14/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:10
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	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
Sand	N/A	E2865
Hexane	N/A	E3934
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS723.

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)	Y. P. Pest/PCB
12:15	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167997

Analytical Method: M3541-ASE Extraction-14 **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				
PB167997BL	ABLK997	PCB	30.01	N/A	ritesh	Evelyn	10			U6-1
PB167997BS	ALCS997	PCB	30.02	N/A	ritesh	Evelyn	10			2
Q2010-01	TP-10	PCB	30.05	N/A	ritesh	Evelyn	10	F		3
Q2010-02	TP-13	PCB	30.03	N/A	ritesh	Evelyn	10	F		4
Q2010-03	TP-14	PCB	30.05	N/A	ritesh	Evelyn	10	F		5
Q2010-04	TP-17	PCB	30.02	N/A	ritesh	Evelyn	10	F		6
Q2019-01	MH-K	PCB	30.08	N/A	ritesh	Evelyn	10	E		U7-1
Q2019-01MS	MH-KMS	PCB	30.02	N/A	ritesh	Evelyn	10	E		2
Q2019-01MSD	MH-KMSD	PCB	30.04	N/A	ritesh	Evelyn	10	E		3
Q2020-01	TP-A	PCB	30.01	N/A	ritesh	Evelyn	10	E		4
Q2022-01	336	PCB	30.03	N/A	ritesh	Evelyn	10	A	Concrete	5
Q2022-02	COMP-1	PCB	30.06	N/A	ritesh	Evelyn	10	E		6
Q2022-04	COMP-2	PCB	30.08	N/A	ritesh	Evelyn	10	E		U1-1
Q2023-01	HEATER-PAD	PCB	30.05	N/A	ritesh	Evelyn	10	B	Concrete	2
Q2024-01	PL-02-051325	PCB	30.02	N/A	ritesh	Evelyn	10	E		3
Q2027-03	B27-SOIL-SAMPLE	PCB	30.01	N/A	ritesh	Evelyn	10	A		4
Q2027-04	B28-SOIL-SAMPLE	PCB	30.06	N/A	ritesh	Evelyn	10	A		5

RS
5/14

* **Extracts relinquished on the same date as received.**

167497
9:00

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2010P **WorkList ID :** 189498 **Department :** Extraction **Date :** 05-14-2025 08:43:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2010-01	TP-10	Solid	PCB	Cool 4 deg C	CAMP02	L51	05/08/2025	8082A
Q2010-02	TP-13	Solid	PCB	Cool 4 deg C	CAMP02	L51	05/08/2025	8082A
Q2010-03	TP-14	Solid	PCB	Cool 4 deg C	CAMP02	L51	05/08/2025	8082A
Q2010-04	TP-17	Solid	PCB	Cool 4 deg C	CAMP02	L51	05/08/2025	8082A
Q2019-01	MH-K	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/13/2025	8082A
Q2020-01	TP-A	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/12/2025	8082A
Q2022-01	336	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/13/2025	8082A
Q2022-02	COMP-1	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/13/2025	8082A
Q2022-04	COMP-2	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/13/2025	8082A
Q2023-01	HEATER-PAD	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/13/2025	8082A
Q2024-01	PL-02-051325	Solid	PCB	Cool 4 deg C	PSEG05	L41	05/13/2025	8082A
Q2027-03	B27-SOIL-SAMPLE	Solid	PCB	Cool 4 deg C	SCAL01	L41	05/12/2025	8082A
Q2027-04	B28-SOIL-SAMPLE	Solid	PCB	Cool 4 deg C	SCAL01	L41	05/12/2025	8082A

Date/Time 05/14/25 8:55
Raw Sample Received by: RJ (EXL-(CAL))
Raw Sample Relinquished by: CP

Date/Time 05/14/25 9:20
Raw Sample Received by: CP
Raw Sample Relinquished by: RJ (EXL-(CAL))

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LAB CHRONICLE

OrderID:	Q2010	**OrderDate:**	5/9/2025 4:00:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2010-01	**TP-10**	**SOIL**			**05/08/25**			**05/09/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/14/25	05/14/25	
Q2010-02	**TP-13**	**SOIL**			**05/08/25**			**05/09/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/14/25	
			PCB	8082A		05/14/25	05/14/25	
Q2010-03	**TP-14**	**SOIL**			**05/08/25**			**05/09/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/14/25	05/14/25	
Q2010-04	**TP-17**	**SOIL**			**05/08/25**			**05/09/25**
			Diesel Range Organics	8015D		05/13/25	05/14/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/14/25	05/14/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2010 **Order ID:** Q2010

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-10	SDG No.:	Q2010
Lab Sample ID:	Q2010-01	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	93.3 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
PS030239.D	1	05/13/25 10:35	05/15/25 17:18	PB167976

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.30	U	8.30	71.8	ug/Kg
120-36-5	DICHLORPROP	13.7	U	13.7	71.8	ug/Kg
94-75-7	2,4-D	9.70	U	9.70	71.8	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.70	U	9.70	71.8	ug/Kg
93-76-5	2,4,5-T	9.30	U	9.30	71.8	ug/Kg
94-82-6	2,4-DB	25.9	U	25.9	71.8	ug/Kg
88-85-7	DINOSEB	11.6	U	11.6	71.8	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	57.8		10 - 141	12%	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:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-13	SDG No.:	Q2010
Lab Sample ID:	Q2010-02	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	84.4 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
PS030240.D	1	05/13/25 10:35	05/15/25 17:43	PB167976

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.20	U	9.20	79.2	ug/Kg
120-36-5	DICHLORPROP	15.1	U	15.1	79.2	ug/Kg
94-75-7	2,4-D	10.7	U	10.7	79.2	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.7	U	10.7	79.2	ug/Kg
93-76-5	2,4,5-T	10.3	U	10.3	79.2	ug/Kg
94-82-6	2,4-DB	28.6	U	28.6	79.2	ug/Kg
88-85-7	DINOSEB	12.8	U	12.8	79.2	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	319		10 - 141	64%	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:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-14	SDG No.:	Q2010
Lab Sample ID:	Q2010-03	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	80.7 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030241.D	1	05/13/25 10:35	05/15/25 18:07	PB167976

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.60	U	9.60	82.8	ug/Kg
120-36-5	DICHLORPROP	15.8	U	15.8	82.8	ug/Kg
94-75-7	2,4-D	11.2	U	11.2	82.8	ug/Kg
93-72-1	2,4,5-TP (Silvex)	11.2	U	11.2	82.8	ug/Kg
93-76-5	2,4,5-T	10.8	U	10.8	82.8	ug/Kg
94-82-6	2,4-DB	29.9	U	29.9	82.8	ug/Kg
88-85-7	DINOSEB	13.4	U	13.4	82.8	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	355		10 - 141	71%	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:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-17	SDG No.:	Q2010
Lab Sample ID:	Q2010-04	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	77.4 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
PS030242.D	1	05/13/25 10:35	05/15/25 18:31	PB167976

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	10.0	U	10.0	86.4	ug/Kg
120-36-5	DICHLORPROP	16.5	U	16.5	86.4	ug/Kg
94-75-7	2,4-D	11.7	U	11.7	86.4	ug/Kg
93-72-1	2,4,5-TP (Silvex)	11.7	U	11.7	86.4	ug/Kg
93-76-5	2,4,5-T	11.2	U	11.2	86.4	ug/Kg
94-82-6	2,4-DB	31.2	U	31.2	86.4	ug/Kg
88-85-7	DINOSEB	13.9	U	13.9	86.4	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	360		10 - 141	72%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

QC SUMMARY

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

SDG No.: Q2010

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-PS030179.D	PIBLK-PS030179.D	2,4-DCAA	1	500	469	94		39	175
		2,4-DCAA	2	500	473	95		39	175
Q2007-07MS	OR-636-COMP-11MS	2,4-DCAA	1	500	328	66		10	141
		2,4-DCAA	2	500	294	59		10	141
Q2007-07MSD	OR-636-COMP-11MSD	2,4-DCAA	1	500	340	68		10	141
		2,4-DCAA	2	500	309	62		10	141
I.BLK-PS030189.D	PIBLK-PS030189.D	2,4-DCAA	1	500	482	96		39	175
		2,4-DCAA	2	500	491	98		39	175
I.BLK-PS030213.D	PIBLK-PS030213.D	2,4-DCAA	1	500	487	97		39	175
		2,4-DCAA	2	500	495	99		39	175
PB167976BL	PB167976BL	2,4-DCAA	1	500	514	103		10	141
		2,4-DCAA	2	500	492	98		10	141
PB167976BS	PB167976BS	2,4-DCAA	1	500	532	106		10	141
		2,4-DCAA	2	500	528	106		10	141
I.BLK-PS030220.D	PIBLK-PS030220.D	2,4-DCAA	1	500	493	99		39	175
		2,4-DCAA	2	500	502	100		39	175
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
Q2010-01	TP-10	2,4-DCAA	1	500	57.8	12		10	141
		2,4-DCAA	2	500	55.1	11		10	141
Q2010-02	TP-13	2,4-DCAA	1	500	306	61		10	141
		2,4-DCAA	2	500	319	64		10	141
Q2010-03	TP-14	2,4-DCAA	1	500	355	71		10	141
		2,4-DCAA	2	500	336	67		10	141
Q2010-04	TP-17	2,4-DCAA	1	500	360	72		10	141
		2,4-DCAA	2	500	343	69		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

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2010 **Analytical Method:** 8151A

Client: CDM Smith **DataFile :** PS030185.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:	**OR-636-COMP-11MS**											
Q2007-07MS (Column 1)	DICAMBA	189.7	0	105	ug/Kg	55				10	112	
	DICHLORPROP	189.7	0	128	ug/Kg	67				10	113	
	2,4-D	189.7	0	133	ug/Kg	70				10	144	
	2,4,5-TP(Silvex)	189.7	0	111	ug/Kg	59				10	114	
	2,4,5-T	189.7	0	106	ug/Kg	56				10	115	
	2,4-DB	189.7	0	84.3	ug/Kg	44				10	140	
	Dinoseb	189.7	0	0	ug/Kg	0	*			10	118	
Client Sample ID:	**OR-636-COMP-11MS**											
Q2007-07MS (Column 2)	DICAMBA	189.7	0	102	ug/Kg	54				10	112	
	DICHLORPROP	189.7	0	118	ug/Kg	62				10	113	
	2,4-D	189.7	0	127	ug/Kg	67				10	144	
	2,4,5-TP(Silvex)	189.7	0	117	ug/Kg	62				10	114	
	2,4,5-T	189.7	0	110	ug/Kg	58				10	115	
	2,4-DB	189.7	0	96.0	ug/Kg	51				10	140	
	Dinoseb	189.7	0	0	ug/Kg	0	*			10	118	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2010 **Analytical Method:** 8151A

Client: CDM Smith **DataFile :** PS030186.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:	**OR-636-COMP-11MSD**											
Q2007-07MSD (Column 1)	DICAMBA	189.6	0	109	ug/Kg	57		4		10	112	20
	DICHLORPROP	189.6	0	133	ug/Kg	70		4		10	113	20
	2,4-D	189.6	0	138	ug/Kg	73		4		10	144	20
	2,4,5-TP(Silvex)	189.6	0	115	ug/Kg	61		3		10	114	20
	2,4,5-T	189.6	0	110	ug/Kg	58		4		10	115	20
	2,4-DB	189.6	0	84.2	ug/Kg	44		0		10	140	20
	Dinoseb	189.6	0	0	ug/Kg	0	*	0		10	118	20
Client Sample ID:	**OR-636-COMP-11MSD**											
Q2007-07MSD (Column 2)	DICAMBA	189.6	0	106	ug/Kg	56		4		10	112	20
	DICHLORPROP	189.6	0	125	ug/Kg	66		4		10	113	20
	2,4-D	189.6	0	131	ug/Kg	69		4		10	144	20
	2,4,5-TP(Silvex)	189.6	0	122	ug/Kg	64		3		10	114	20
	2,4,5-T	189.6	0	115	ug/Kg	61		4		10	115	20
	2,4-DB	189.6	0	102	ug/Kg	54		0		10	140	20
	Dinoseb	189.6	0	0	ug/Kg	0	*	0		10	118	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2010 **Analytical Method:** 8151A

Client: CDM Smith **Datafile :** PS030216.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167976BS (Column 1)	DICAMBA	166.5	166	ug/Kg	100				72	129	
	DICHLORPROP	166.5	166	ug/Kg	100				77	135	
	2,4-D	166.5	166	ug/Kg	100				65	144	
	2,4,5-TP(Silvex)	166.5	170	ug/Kg	102				74	146	
	2,4,5-T	166.5	170	ug/Kg	102				77	134	
	2,4-DB	166.5	174	ug/Kg	105				72	122	
	Dinoseb	166.5	165	ug/Kg	99				74	132	
PB167976BS (Column 2)	DICAMBA	166.5	164	ug/Kg	98				72	129	
	DICHLORPROP	166.5	163	ug/Kg	98				77	135	
	2,4-D	166.5	167	ug/Kg	100				65	144	
	2,4,5-TP(Silvex)	166.5	167	ug/Kg	100				74	146	
	2,4,5-T	166.5	166	ug/Kg	100				77	134	
	2,4-DB	166.5	147	ug/Kg	88				72	122	
	Dinoseb	166.5	162	ug/Kg	97				74	132	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167976BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Lab Sample ID: PB167976BL Lab File ID: PS030215.D

Matrix: (soil/water) Solid Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 05/13/2025

Date Analyzed (1): 05/15/2025 Date Analyzed (2): 05/15/2025

Time Analyzed (1): 06:13 Time Analyzed (2): 06:13

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
OR-636-COMP-11MS	Q2007-07MS	PS030185.D	05/14/2025	05/14/2025
OR-636-COMP-11MSD	Q2007-07MSD	PS030186.D	05/14/2025	05/14/2025
PB167976BS	PB167976BS	PS030216.D	05/15/2025	05/15/2025
TP-10	Q2010-01	PS030239.D	05/15/2025	05/15/2025
TP-13	Q2010-02	PS030240.D	05/15/2025	05/15/2025
TP-14	Q2010-03	PS030241.D	05/15/2025	05/15/2025
TP-17	Q2010-04	PS030242.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:	PB167976BL	SDG No.:	Q2010
Lab Sample ID:	PB167976BL	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
PS030215.D	1	05/13/25 10:35	05/15/25 06:13	PB167976

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	514		10 - 141	103%	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:	05/12/25
Project:	South River WM Replacement	Date Received:	05/12/25
Client Sample ID:	PIBLK-PS030124.D	SDG No.:	Q2010
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:

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LOQ = Limit of Quantitation
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Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/14/25
Project:	South River WM Replacement	Date Received:	05/14/25
Client Sample ID:	PIBLK-PS030179.D	SDG No.:	Q2010
Lab Sample ID:	I.BLK-PS030179.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
PS030179.D	1		05/14/25	Ps051425

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	473		39 - 175	95%	SPK: 500

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/14/25
Project:	South River WM Replacement	Date Received:	05/14/25
Client Sample ID:	PIBLK-PS030189.D	SDG No.:	Q2010
Lab Sample ID:	I.BLK-PS030189.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
PS030189.D	1		05/14/25	PS051425

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	491		39 - 175	98%	SPK: 500

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	South River WM Replacement	Date Received:	05/15/25
Client Sample ID:	PIBLK-PS030213.D	SDG No.:	Q2010
Lab Sample ID:	I.BLK-PS030213.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
PS030213.D	1		05/15/25	PS051425

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	495		39 - 175	99%	SPK: 500

Comments:

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LOQ = Limit of Quantitation
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Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	South River WM Replacement	Date Received:	05/15/25
Client Sample ID:	PIBLK-PS030220.D	SDG No.:	Q2010
Lab Sample ID:	I.BLK-PS030220.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
PS030220.D	1		05/15/25	PS051425

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	502		39 - 175	100%	SPK: 500

Comments:

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Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	South River WM Replacement	Date Received:	05/15/25
Client Sample ID:	PIBLK-PS030235.D	SDG No.:	Q2010
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:

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Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	South River WM Replacement	Date Received:	05/15/25
Client Sample ID:	PIBLK-PS030247.D	SDG No.:	Q2010
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:

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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:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB167976BS	SDG No.:	Q2010
Lab Sample ID:	PB167976BS	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
PS030216.D	1	05/13/25 10:35	05/15/25 06:37	PB167976

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	166		7.70	66.9	ug/Kg
120-36-5	DICHLORPROP	166		12.8	66.9	ug/Kg
94-75-7	2,4-D	167		9.00	66.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	170		9.10	66.9	ug/Kg
93-76-5	2,4,5-T	170		8.70	66.9	ug/Kg
94-82-6	2,4-DB	174		24.2	66.9	ug/Kg
88-85-7	DINOSEB	165		10.8	66.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	532		10 - 141	106%	SPK: 500

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/09/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	OR-636-COMP-11MS	SDG No.:	Q2010
Lab Sample ID:	Q2007-07MS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	87.8 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
PS030185.D	1	05/13/25 10:35	05/14/25 15:53	PB167976

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	105		8.80	76.3	ug/Kg
120-36-5	DICHLORPROP	128		14.6	76.3	ug/Kg
94-75-7	2,4-D	133		10.3	76.3	ug/Kg
93-72-1	2,4,5-TP (Silvex)	117		10.3	76.3	ug/Kg
93-76-5	2,4,5-T	110		9.90	76.3	ug/Kg
94-82-6	2,4-DB	96.0		27.5	76.3	ug/Kg
88-85-7	DINOSEB	12.3	U	12.3	76.3	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	328		10 - 141	66%	SPK: 500

Comments:

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

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/09/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	OR-636-COMP-11MSD	SDG No.:	Q2010
Lab Sample ID:	Q2007-07MSD	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	87.8 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
PS030186.D	1	05/13/25 10:35	05/14/25 16:17	PB167976

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	109		8.80	76.2	ug/Kg
120-36-5	DICHLORPROP	133		14.6	76.2	ug/Kg
94-75-7	2,4-D	138		10.3	76.2	ug/Kg
93-72-1	2,4,5-TP (Silvex)	122		10.3	76.2	ug/Kg
93-76-5	2,4,5-T	115		9.90	76.2	ug/Kg
94-82-6	2,4-DB	102		27.5	76.2	ug/Kg
88-85-7	DINOSEB	12.3	U	12.3	76.2	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	340		10 - 141	68%	SPK: 500

Comments:

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

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

CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

Continuing Calib Date: 05/14/2025 **Initial Calibration Date(s):** 05/12/2025 05/12/2025

Continuing Calib Time: 13:53 **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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

Continuing Calib Date: 05/14/2025 **Initial Calibration Date(s):** 05/12/2025 05/12/2025

Continuing Calib Time: 13:53 **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	9.93	9.93	9.83	10.03	0.00
2,4-DB	10.48	10.49	10.39	10.59	0.01
Dinoseb	10.86	10.86	10.76	10.96	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/12/2025 05/12/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/14/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030180.D **Time Analyzed:** 13:53

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	683.550	712.500	-4.1
2,4,5-TP(Silvex)	8.850	8.750	8.950	681.540	712.500	-4.3
2,4-D	8.009	7.910	8.110	665.970	705.000	-5.5
2,4-DB	9.690	9.589	9.789	709.650	712.500	-0.4
2,4-DCAA	6.933	6.834	7.034	709.920	750.000	-5.3
DICAMBA	7.109	7.010	7.210	674.500	705.000	-4.3
DICHLORPROP	7.789	7.689	7.889	663.920	705.000	-5.8
Dinoseb	10.850	10.751	10.951	667.910	705.000	-5.3

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/12/2025 05/12/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/14/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030180.D **Time Analyzed:** 13:53

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.925	9.826	10.026	685.760	712.500	-3.8
2,4,5-TP(Silvex)	9.521	9.423	9.623	691.060	712.500	-3.0
2,4-D	8.643	8.544	8.744	682.250	705.000	-3.2
2,4-DB	10.483	10.385	10.585	647.540	712.500	-9.1
2,4-DCAA	7.453	7.354	7.554	717.910	750.000	-4.3
DICAMBA	7.638	7.539	7.739	686.280	705.000	-2.7
DICHLORPROP	8.331	8.232	8.432	661.570	705.000	-6.2
Dinoseb	10.856	10.758	10.958	670.800	705.000	-4.9

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

Continuing Calib Date: 05/14/2025 **Initial Calibration Date(s):** 05/12/2025 05/12/2025

Continuing Calib Time: 17:53 **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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

Continuing Calib Date: 05/14/2025 **Initial Calibration Date(s):** 05/12/2025 05/12/2025

Continuing Calib Time: 17:53 **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	9.93	9.93	9.83	10.03	0.00
2,4-DB	10.48	10.49	10.39	10.59	0.01
Dinoseb	10.86	10.86	10.76	10.96	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/12/2025 05/12/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/14/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030190.D **Time Analyzed:** 17:53

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	698.460	712.500	-2.0
2,4,5-TP(Silvex)	8.851	8.750	8.950	696.850	712.500	-2.2
2,4-D	8.010	7.910	8.110	679.920	705.000	-3.6
2,4-DB	9.690	9.589	9.789	727.790	712.500	2.1
2,4-DCAA	6.933	6.834	7.034	724.480	750.000	-3.4
DICAMBA	7.110	7.010	7.210	689.130	705.000	-2.3
DICHLORPROP	7.790	7.689	7.889	677.360	705.000	-3.9
Dinoseb	10.851	10.751	10.951	683.150	705.000	-3.1

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/12/2025 05/12/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/14/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030190.D **Time Analyzed:** 17:53

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.925	9.826	10.026	702.590	712.500	-1.4
2,4,5-TP(Silvex)	9.521	9.423	9.623	706.930	712.500	-0.8
2,4-D	8.643	8.544	8.744	697.370	705.000	-1.1
2,4-DB	10.483	10.385	10.585	660.760	712.500	-7.3
2,4-DCAA	7.453	7.354	7.554	734.300	750.000	-2.1
DICAMBA	7.639	7.539	7.739	704.930	705.000	0.0
DICHLORPROP	8.331	8.232	8.432	679.360	705.000	-3.6
Dinoseb	10.857	10.758	10.958	688.750	705.000	-2.3

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

Continuing Calib Date: 05/15/2025 **Initial Calibration Date(s):** 05/12/2025 05/12/2025

Continuing Calib Time: 05:50 **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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

Continuing Calib Date: 05/15/2025 **Initial Calibration Date(s):** 05/12/2025 05/12/2025

Continuing Calib Time: 05:50 **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	9.93	9.93	9.83	10.03	0.00
2,4-DB	10.48	10.49	10.39	10.59	0.01
Dinoseb	10.86	10.86	10.76	10.96	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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 :** PS030214.D **Time Analyzed:** 05:50

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	710.470	712.500	-0.3
2,4,5-TP(Silvex)	8.850	8.750	8.950	709.200	712.500	-0.5
2,4-D	8.009	7.910	8.110	691.270	705.000	-1.9
2,4-DB	9.690	9.589	9.789	743.140	712.500	4.3
2,4-DCAA	6.933	6.834	7.034	737.200	750.000	-1.7
DICAMBA	7.109	7.010	7.210	702.480	705.000	-0.4
DICHLORPROP	7.789	7.689	7.889	691.550	705.000	-1.9
Dinoseb	10.850	10.751	10.951	692.450	705.000	-1.8

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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 :** PS030214.D **Time Analyzed:** 05:50

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.925	9.826	10.026	712.150	712.500	0.0
2,4,5-TP(Silvex)	9.521	9.423	9.623	719.650	712.500	1.0
2,4-D	8.643	8.544	8.744	710.310	705.000	0.8
2,4-DB	10.483	10.385	10.585	636.260	712.500	-10.7
2,4-DCAA	7.452	7.354	7.554	745.760	750.000	-0.6
DICAMBA	7.638	7.539	7.739	715.570	705.000	1.5
DICHLORPROP	8.330	8.232	8.432	691.480	705.000	-1.9
Dinoseb	10.856	10.758	10.958	698.230	705.000	-1.0

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

Continuing Calib Date: 05/15/2025 **Initial Calibration Date(s):** 05/12/2025 05/12/2025

Continuing Calib Time: 08:37 **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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

Continuing Calib Date: 05/15/2025 **Initial Calibration Date(s):** 05/12/2025 05/12/2025

Continuing Calib Time: 08:37 **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	10.86	10.86	10.76	10.96	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/12/2025 05/12/2025

Client Sample No.: CCAL04 **Date Analyzed:** 05/15/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030221.D **Time Analyzed:** 08:37

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	715.310	712.500	0.4
2,4,5-TP(Silvex)	8.850	8.750	8.950	713.830	712.500	0.2
2,4-D	8.009	7.910	8.110	697.060	705.000	-1.1
2,4-DB	9.689	9.589	9.789	741.130	712.500	4.0
2,4-DCAA	6.933	6.834	7.034	742.920	750.000	-0.9
DICAMBA	7.109	7.010	7.210	706.540	705.000	0.2
DICHLORPROP	7.789	7.689	7.889	696.890	705.000	-1.2
Dinoseb	10.850	10.751	10.951	701.370	705.000	-0.5

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/12/2025 05/12/2025

Client Sample No.: CCAL04 **Date Analyzed:** 05/15/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030221.D **Time Analyzed:** 08:37

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	716.400	712.500	0.5
2,4,5-TP(Silvex)	9.521	9.423	9.623	723.050	712.500	1.5
2,4-D	8.643	8.544	8.744	713.300	705.000	1.2
2,4-DB	10.482	10.385	10.585	640.930	712.500	-10.0
2,4-DCAA	7.452	7.354	7.554	749.890	750.000	0.0
DICAMBA	7.638	7.539	7.739	720.210	705.000	2.2
DICHLORPROP	8.330	8.232	8.432	697.900	705.000	-1.0
Dinoseb	10.855	10.758	10.958	705.820	705.000	0.1

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/12/2025 05/12/2025

Client Sample No.: CCAL05 **Date Analyzed:** 05/15/2025

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/12/2025 05/12/2025

Client Sample No.: CCAL05 **Date Analyzed:** 05/15/2025

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/12/2025 05/12/2025

Client Sample No.: CCAL06 **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.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/12/2025 05/12/2025

Client Sample No.: CCAL06 **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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Analytical Sequence

Client: CDM Smith **SDG No.:** Q2010

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	05/14/2025	13:29	PS030179.D	6.93	0.00
HSTDCCC750	HSTDCCC750	05/14/2025	13:53	PS030180.D	6.93	0.00
OR-636-COMP-11MS	Q2007-07MS	05/14/2025	15:53	PS030185.D	6.93	0.00
OR-636-COMP-11MSD	Q2007-07MSD	05/14/2025	16:17	PS030186.D	6.93	0.00
I.BLK	I.BLK	05/14/2025	17:29	PS030189.D	6.93	0.00
HSTDCCC750	HSTDCCC750	05/14/2025	17:53	PS030190.D	6.93	0.00
I.BLK	I.BLK	05/15/2025	05:26	PS030213.D	6.93	0.00
HSTDCCC750	HSTDCCC750	05/15/2025	05:50	PS030214.D	6.93	0.00
PB167976BL	PB167976BL	05/15/2025	06:13	PS030215.D	6.93	0.00
PB167976BS	PB167976BS	05/15/2025	06:37	PS030216.D	6.93	0.00
I.BLK	I.BLK	05/15/2025	08:13	PS030220.D	6.93	0.00
HSTDCCC750	HSTDCCC750	05/15/2025	08:37	PS030221.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-10	Q2010-01	05/15/2025	17:18	PS030239.D	6.93	0.00
TP-13	Q2010-02	05/15/2025	17:43	PS030240.D	6.93	0.00
TP-14	Q2010-03	05/15/2025	18:07	PS030241.D	6.93	0.00
TP-17	Q2010-04	05/15/2025	18:31	PS030242.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

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q2010

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	05/14/2025	13:29	PS030179.D	7.45	0.00
HSTDCCC750	HSTDCCC750	05/14/2025	13:53	PS030180.D	7.45	0.00
OR-636-COMP-11MS	Q2007-07MS	05/14/2025	15:53	PS030185.D	7.45	0.00
OR-636-COMP-11MSD	Q2007-07MSD	05/14/2025	16:17	PS030186.D	7.45	0.00
I.BLK	I.BLK	05/14/2025	17:29	PS030189.D	7.45	0.00
HSTDCCC750	HSTDCCC750	05/14/2025	17:53	PS030190.D	7.45	0.00
I.BLK	I.BLK	05/15/2025	05:26	PS030213.D	7.45	0.00
HSTDCCC750	HSTDCCC750	05/15/2025	05:50	PS030214.D	7.45	0.00
PB167976BL	PB167976BL	05/15/2025	06:13	PS030215.D	7.45	0.00
PB167976BS	PB167976BS	05/15/2025	06:37	PS030216.D	7.45	0.00
I.BLK	I.BLK	05/15/2025	08:13	PS030220.D	7.45	0.00
HSTDCCC750	HSTDCCC750	05/15/2025	08:37	PS030221.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-10	Q2010-01	05/15/2025	17:18	PS030239.D	7.45	0.00
TP-13	Q2010-02	05/15/2025	17:43	PS030240.D	7.45	0.00
TP-14	Q2010-03	05/15/2025	18:07	PS030241.D	7.45	0.00
TP-17	Q2010-04	05/15/2025	18:31	PS030242.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

Alliance TECHNICAL GROUP
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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
OR-636-COMP-11MS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

Lab Sample ID: Q2007-07MS **Date(s) Analyzed:** 05/14/2025 05/14/2025

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-DB	1	9.69	9.64	9.74	84.3	13
	2	10.48	10.43	10.53	96.0	
DICAMBA	1	7.11	7.06	7.16	105	2.9
	2	7.64	7.59	7.69	102	
DICHLORPROP	1	7.79	7.74	7.84	128	8.1
	2	8.33	8.28	8.38	118	
2,4-D	1	8.01	7.96	8.06	133	4.6
	2	8.64	8.59	8.69	127	
2,4,5-TP(Silvex)	1	8.85	8.80	8.90	111	5.3
	2	9.52	9.47	9.57	117	
2,4,5-T	1	9.13	9.08	9.18	106	3.7
	2	9.93	9.88	9.98	110	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
OR-636-COMP-11MSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

Lab Sample ID: Q2007-07MSD **Date(s) Analyzed:** 05/14/2025 05/14/2025

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	133	6.2
	2	8.33	8.28	8.38	125	
2,4-D	1	8.01	7.96	8.06	138	5.2
	2	8.64	8.59	8.69	131	
2,4,5-TP(Silvex)	1	8.85	8.80	8.90	115	5.9
	2	9.52	9.47	9.57	122	
2,4,5-T	1	9.13	9.08	9.18	110	4.4
	2	9.93	9.88	9.98	115	
2,4-DB	1	9.69	9.64	9.74	84.2	19.1
	2	10.48	10.43	10.53	102	
DICAMBA	1	7.11	7.06	7.16	109	2.8
	2	7.64	7.59	7.69	106	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167976BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010

Lab Sample ID: PB167976BS **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
2,4,5-T	1	9.13	9.08	9.18	170	2.4
	2	9.93	9.88	9.98	166	
2,4,5-TP(Silvex)	1	8.85	8.80	8.90	170	1.8
	2	9.52	9.47	9.57	167	
2,4-D	1	8.01	7.96	8.06	166	0.6
	2	8.64	8.59	8.69	167	
2,4-DB	1	9.69	9.64	9.74	174	16.8
	2	10.48	10.43	10.53	147	
DICHLORPROP	1	7.79	7.74	7.84	166	1.8
	2	8.33	8.28	8.38	163	
Dinoseb	1	10.85	10.80	10.90	165	1.8
	2	10.86	10.81	10.91	162	
DICAMBA	1	7.11	7.06	7.16	166	1.2
	2	7.64	7.59	7.69	164	

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030239.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 17:18
Operator : AR\AJ
Sample : Q2010-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-10

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 04:26:07 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	164.6E6	44113478	57.801	55.128m
	Target Compounds						

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

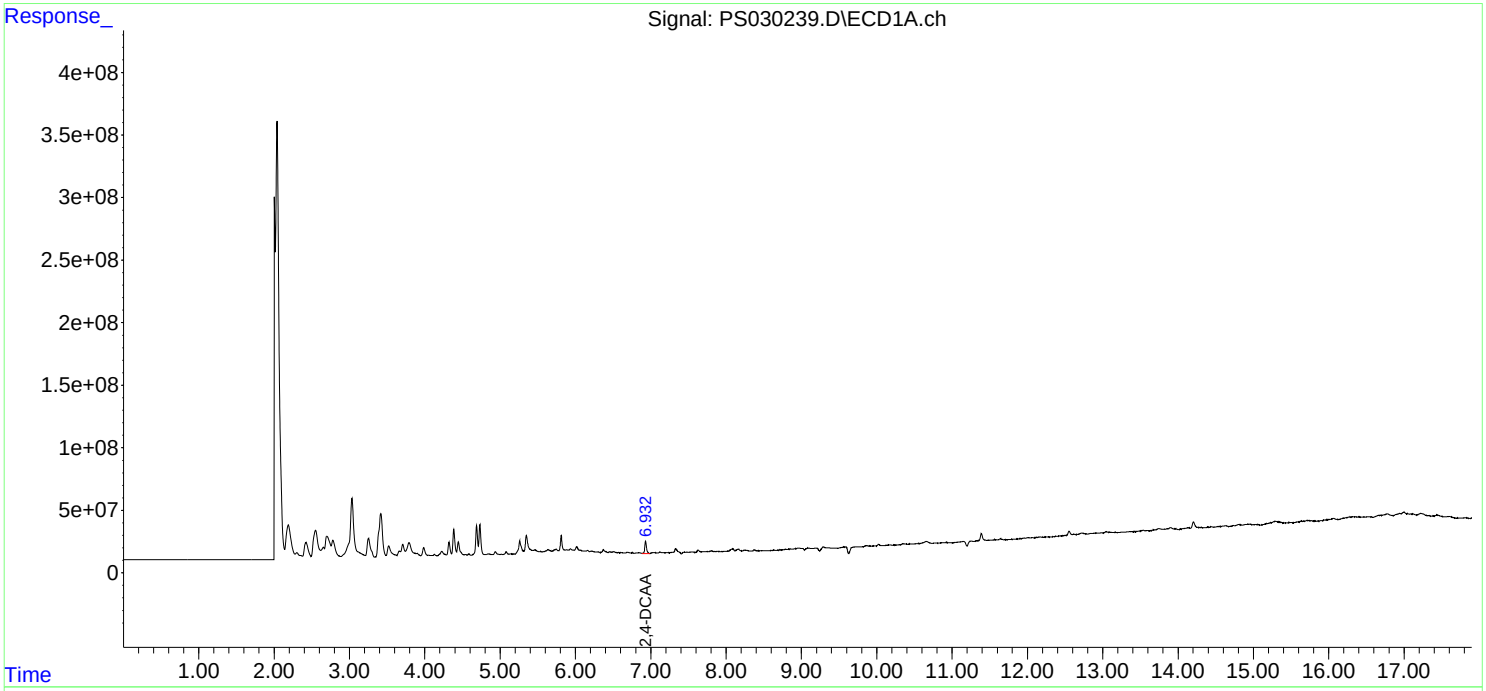
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030239.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 17:18
Operator : AR\AJ
Sample : Q2010-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

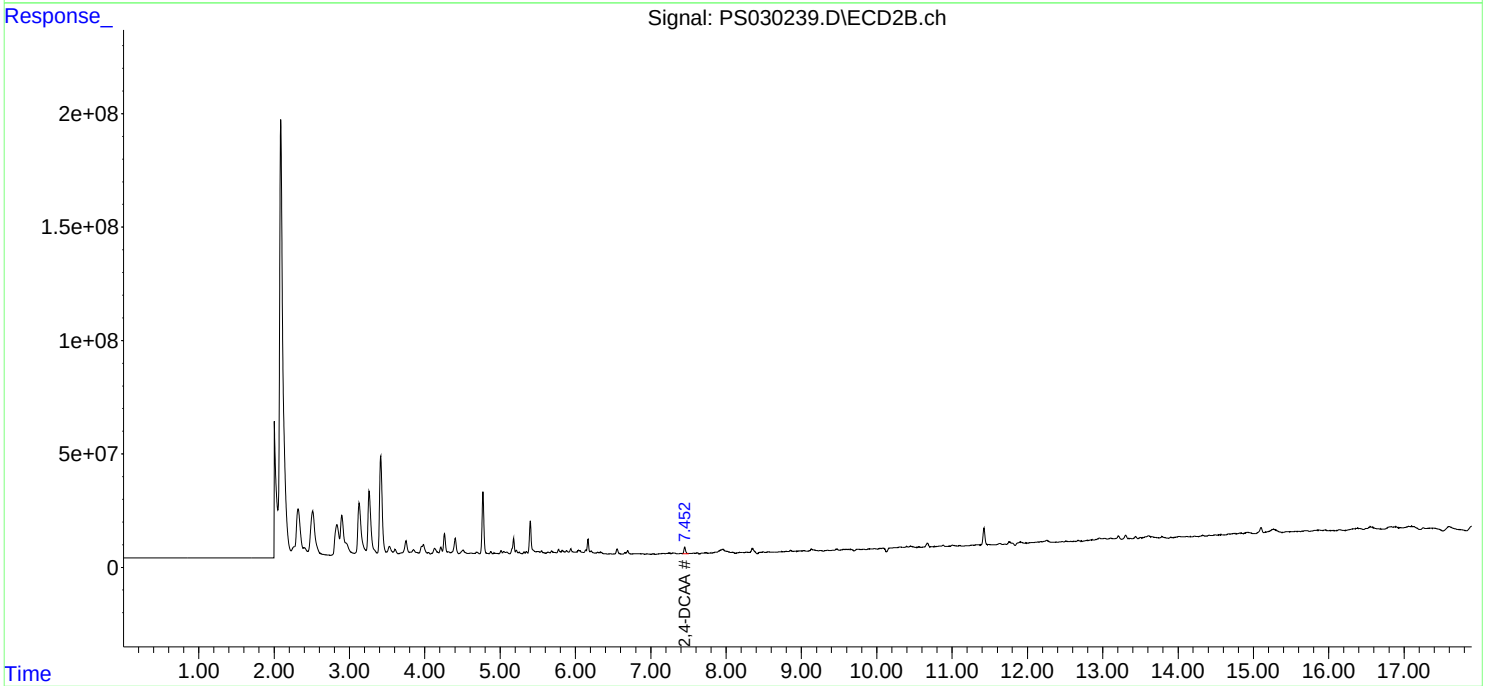
Instrument :
ECD_S
ClientSampleId :
TP-10

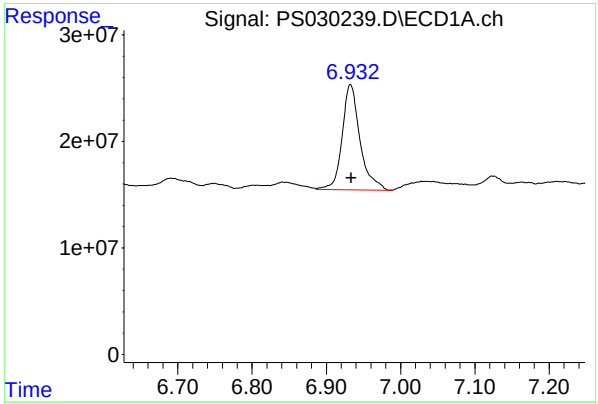
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:26:07 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







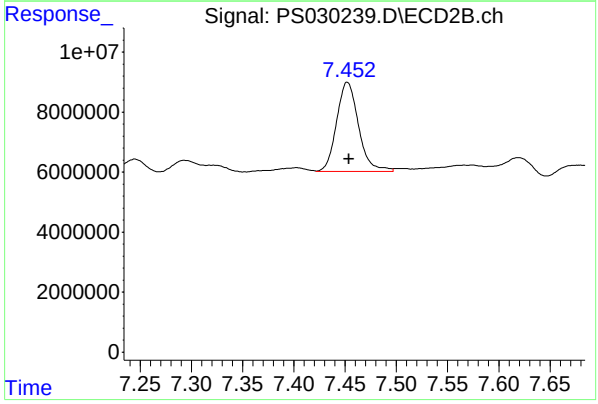
#4 2,4-DCAA

R.T.: 6.933 min
Delta R.T.: 0.000 mi
Response: 164606403
Conc: 57.80 ng/m

Instrument :
ECD_S
ClientSampleId :
TP-10

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/19/2025



#4 2,4-DCAA

R.T.: 7.452 min
Delta R.T.: -0.002 min
Response: 44113478
Conc: 55.13 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030240.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 17:43
Operator : AR\AJ
Sample : Q2010-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-13

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 04:26:39 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	6.928	7.451	871.1E6	255.3E6	305.888m	319.067m
	Target Compounds						

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

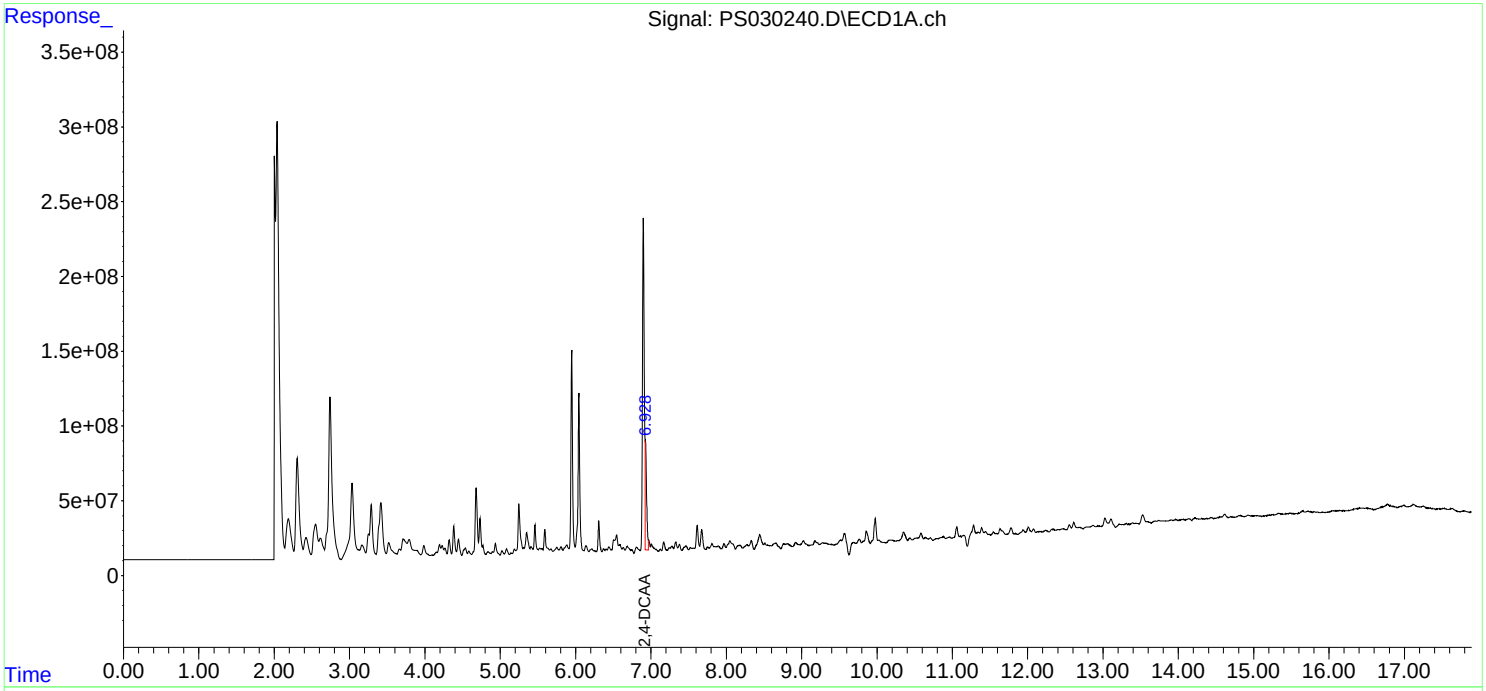
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030240.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 17:43
Operator : AR\AJ
Sample : Q2010-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

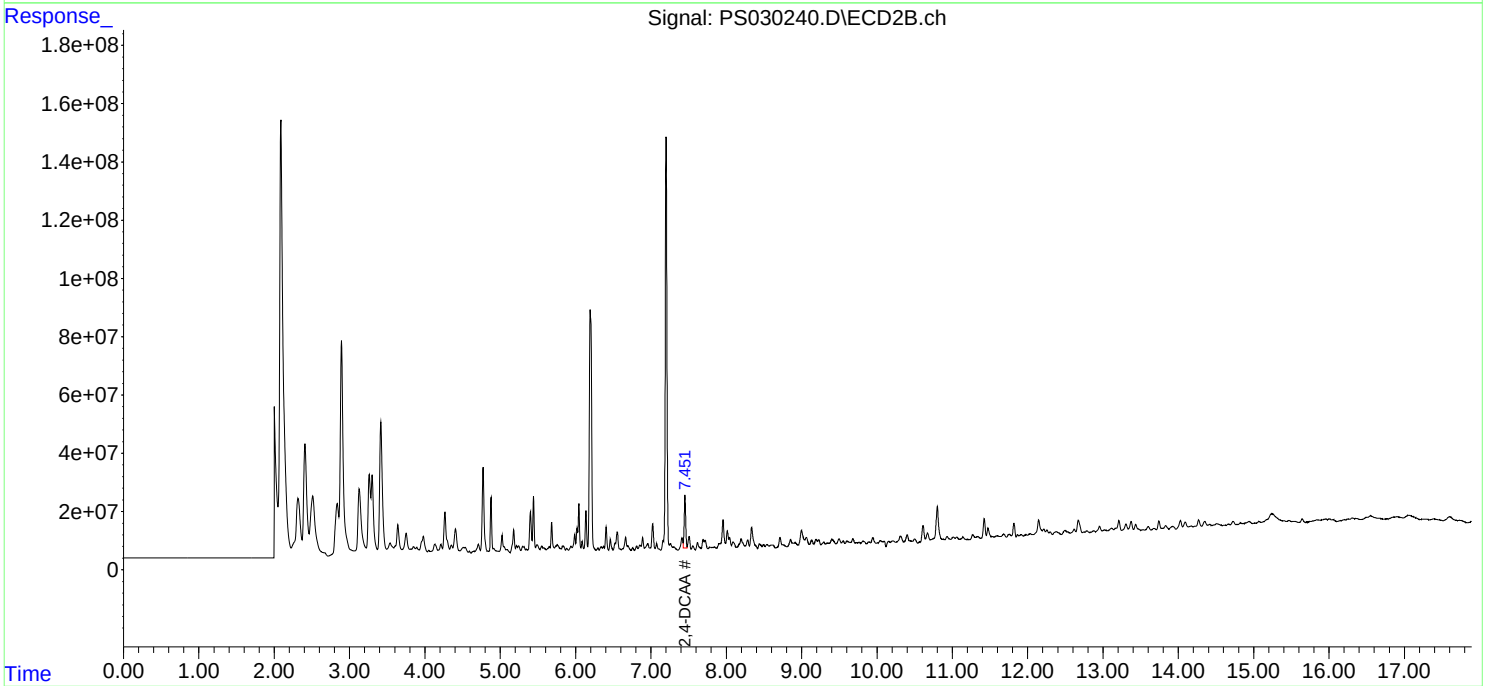
Instrument :
ECD_S
ClientSampleId :
TP-13

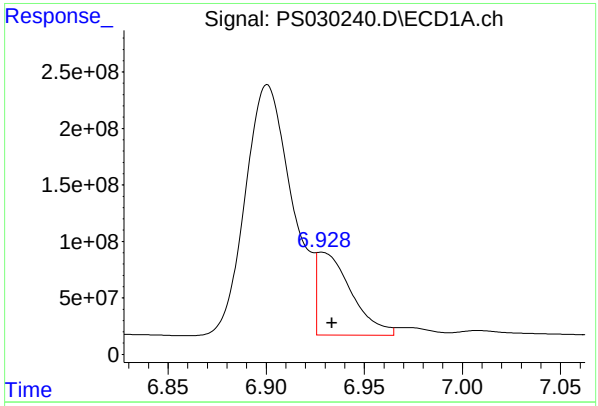
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:26:39 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







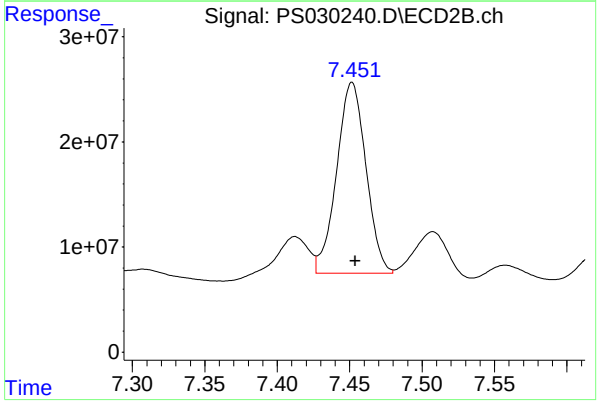
#4 2,4-DCAA

R.T.: 6.928 min
Delta R.T.: -0.006 mi
Response: 871111126
Conc: 305.89 ng/m

Instrument :
ECD_S
ClientSampleId :
TP-13

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/19/2025



#4 2,4-DCAA

R.T.: 7.451 min
Delta R.T.: -0.003 min
Response: 255318567
Conc: 319.07 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030241.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 18:07
Operator : AR\AJ
Sample : Q2010-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-14

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:27:07 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	1011.7E6	268.6E6	355.265	335.606
	Target Compounds						

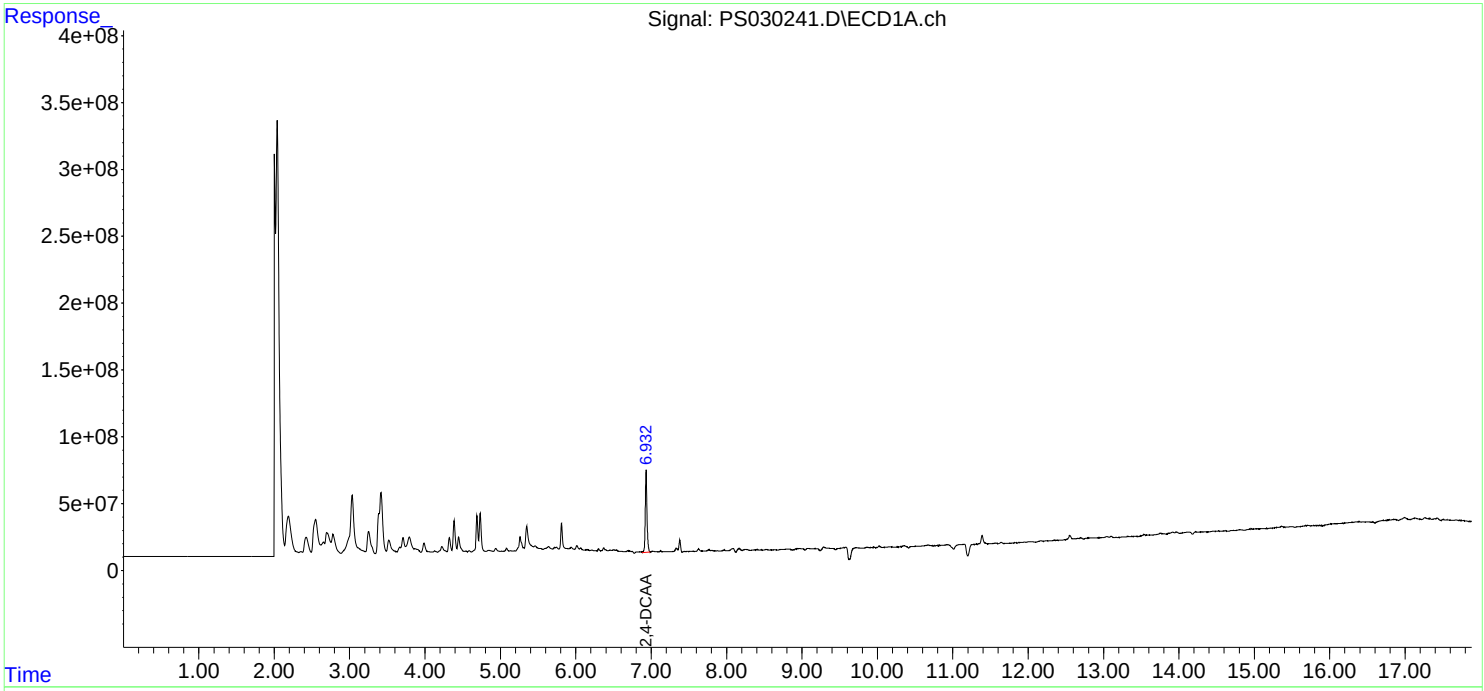
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

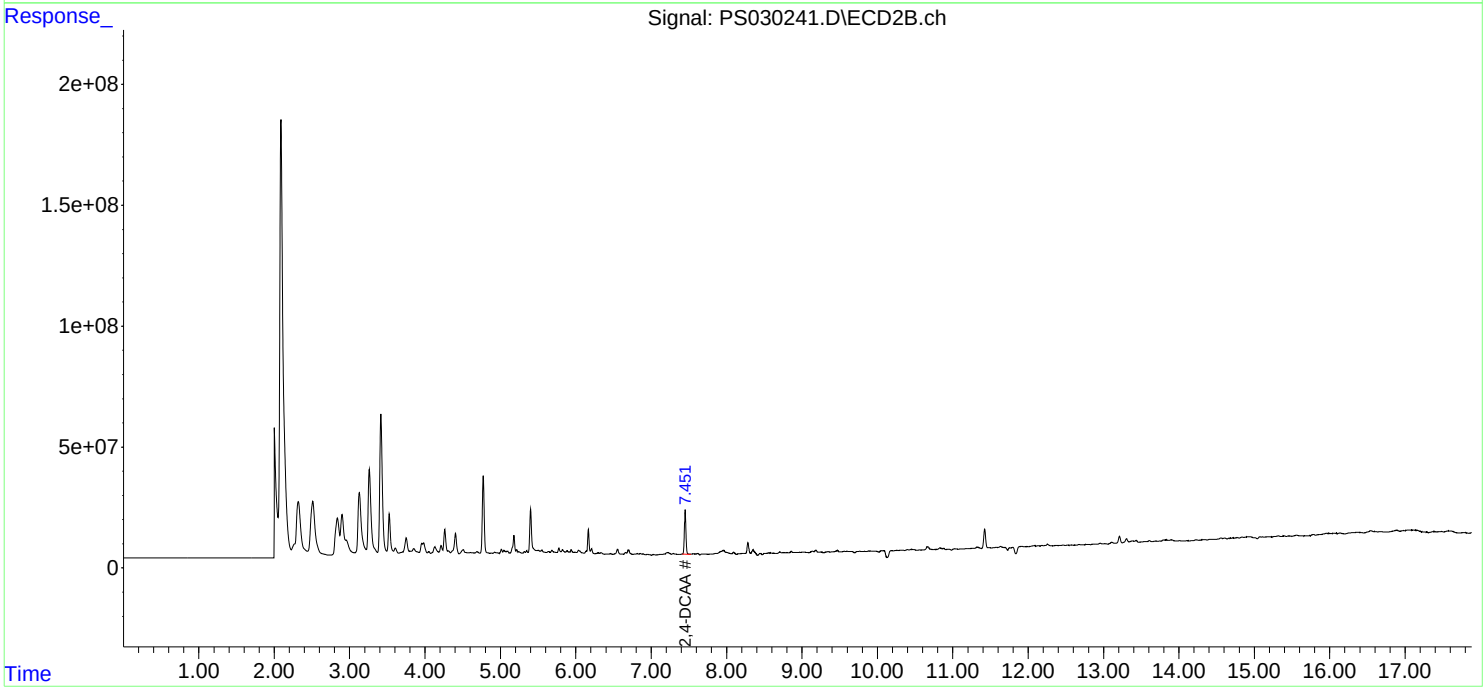
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030241.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 18:07
Operator : AR\AJ
Sample : Q2010-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

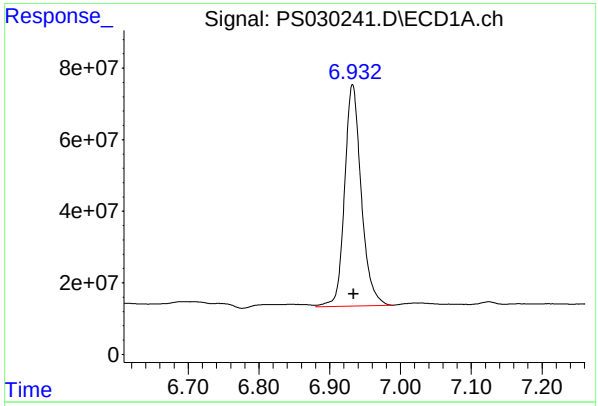
Instrument :
ECD_S
ClientSampleId :
TP-14

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:27:07 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



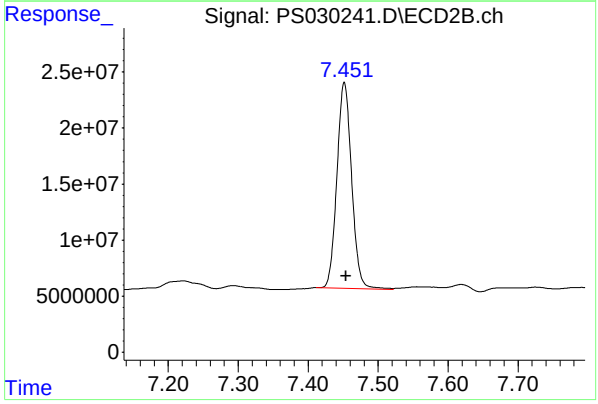




#4 2,4-DCAA

R.T.: 6.932 min
Delta R.T.: -0.001 min
Response: 1011726883
Conc: 355.27 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-14



#4 2,4-DCAA

R.T.: 7.452 min
Delta R.T.: -0.002 min
Response: 268553292
Conc: 335.61 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030242.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 18:31
Operator : AR\AJ
Sample : Q2010-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-17

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:27:38 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	7.452	1026.4E6	274.3E6	360.420	342.823
	Target Compounds						

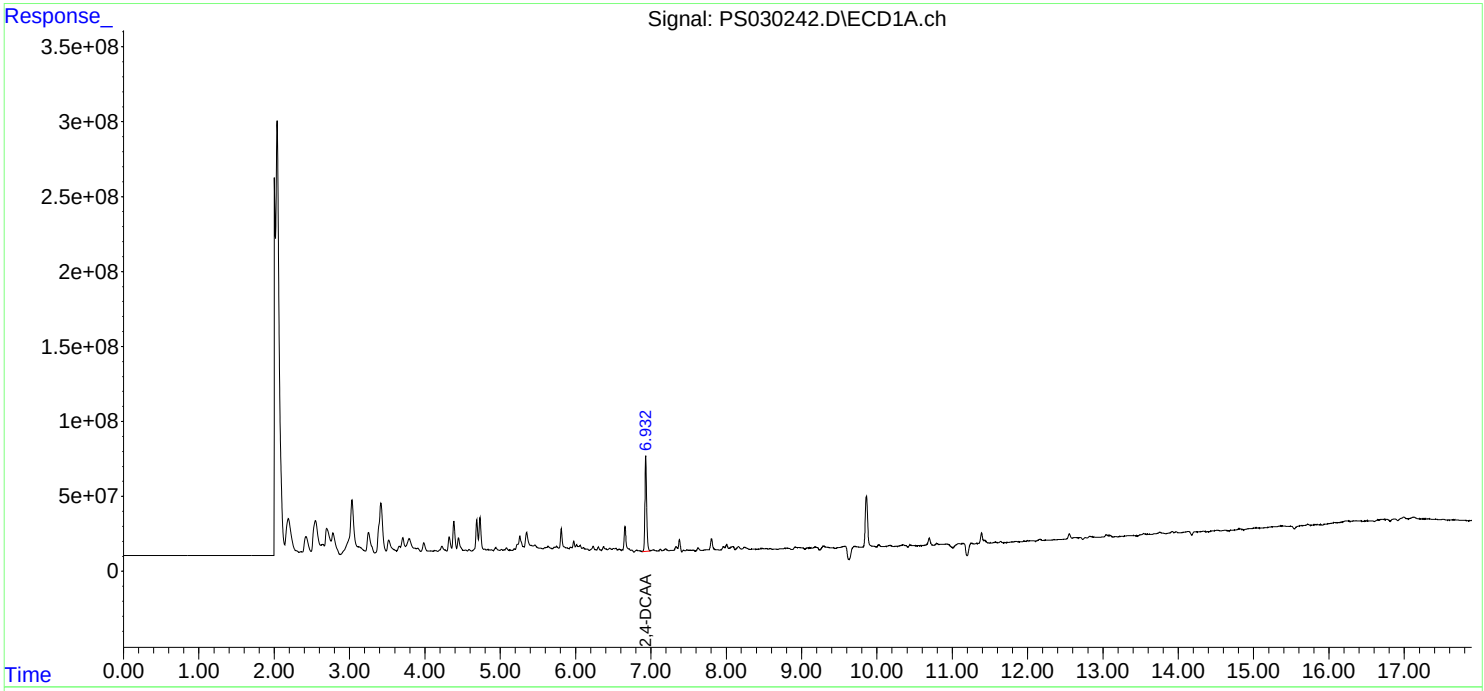
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

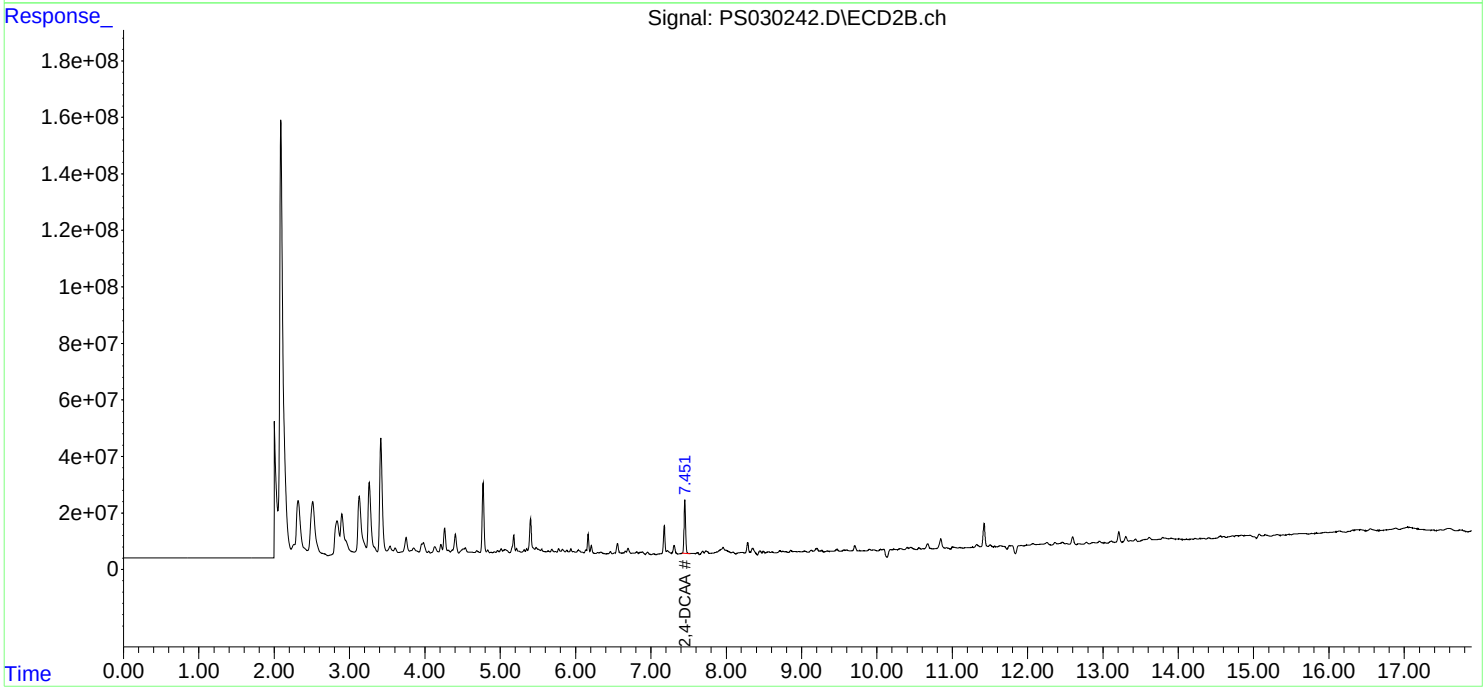
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030242.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 18:31
Operator : AR\AJ
Sample : Q2010-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

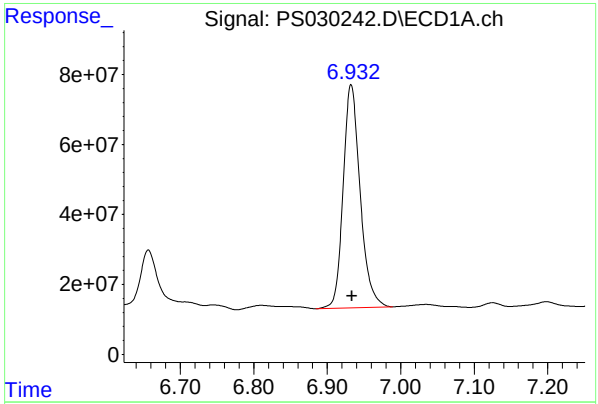
Instrument :
ECD_S
ClientSampleId :
TP-17

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:27:38 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



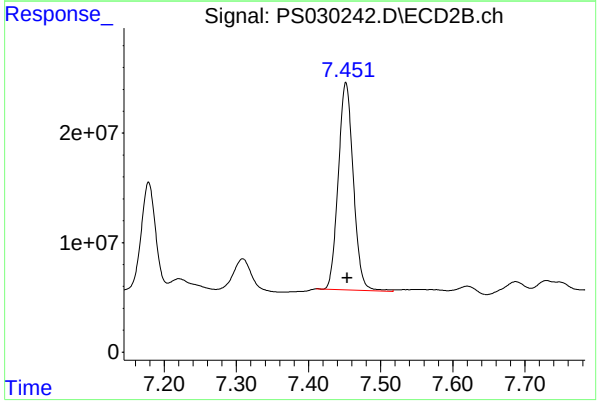




#4 2,4-DCAA

R.T.: 6.933 min
Delta R.T.: -0.001 min
Response: 1026406893
Conc: 360.42 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-17



#4 2,4-DCAA

R.T.: 7.452 min
Delta R.T.: -0.002 min
Response: 274328491
Conc: 342.82 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051425\
Data File : PS030215.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 06:13
Operator : AR\AJ
Sample : PB167976BL
Misc :
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 07:45:08 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

Instrument :
ECD_S
ClientSampleId :
PB167976BL

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/19/2025
Supervised By :mohammad ahmed 05/20/2025

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	6.933	7.453	1462.6E6	393.6E6	513.597	491.890m
	Target Compounds						

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

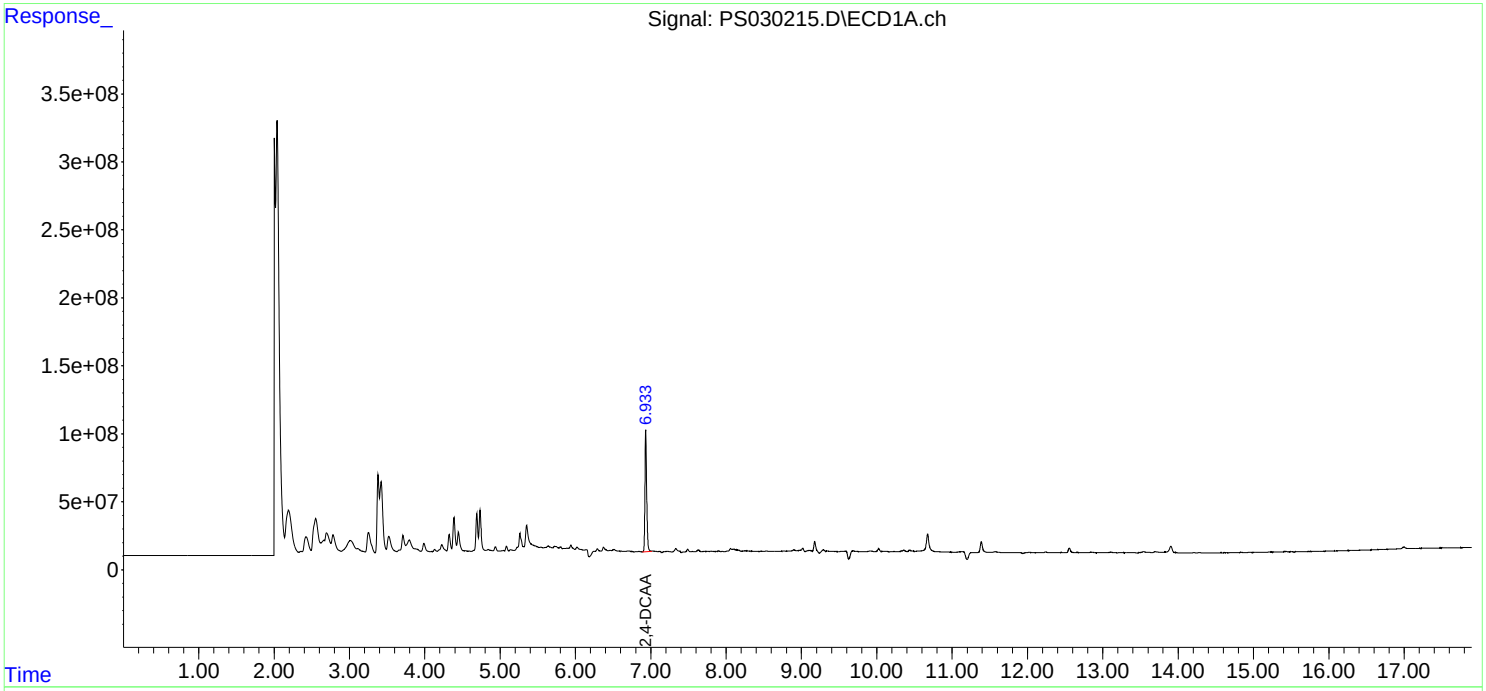
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051425\
Data File : PS030215.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 06:13
Operator : AR\AJ
Sample : PB167976BL
Misc :
ALS Vial : 42 Sample Multiplier: 1

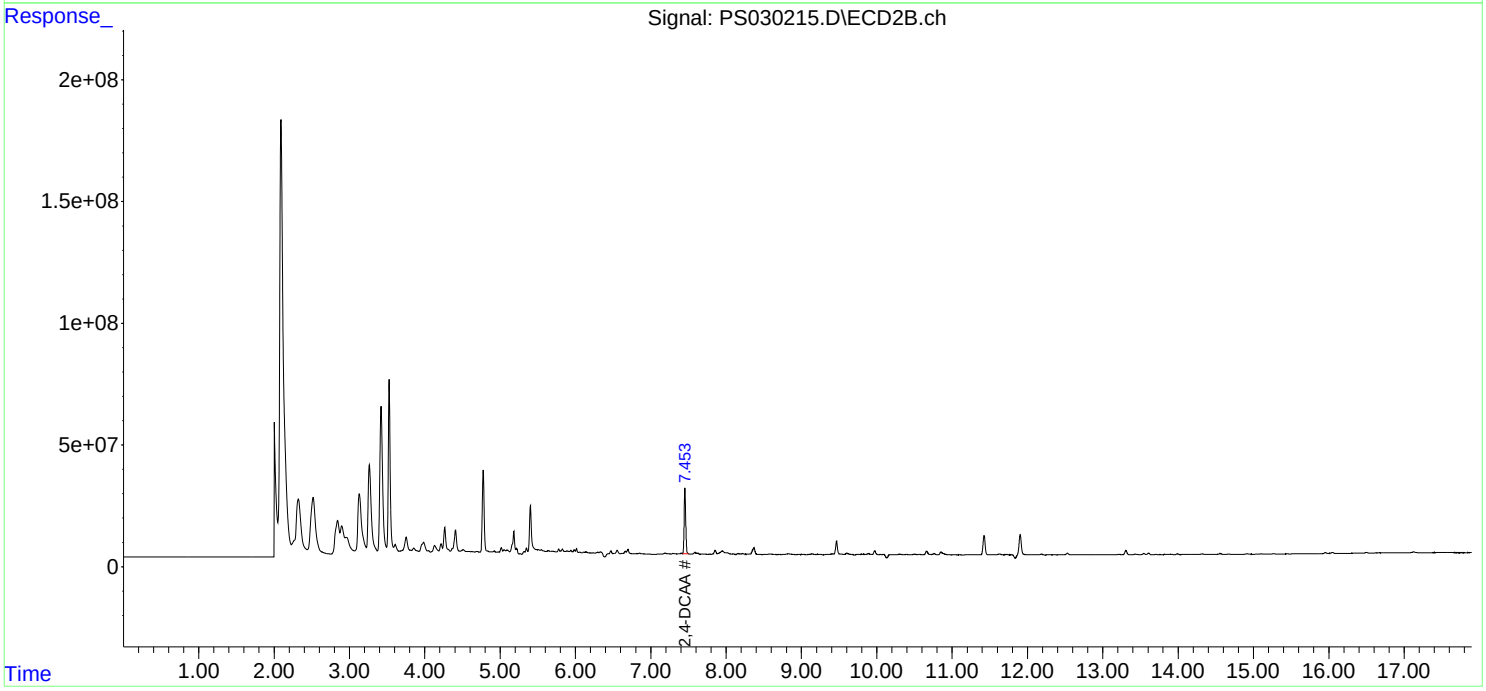
Instrument :
ECD_S
ClientSampleId :
PB167976BL

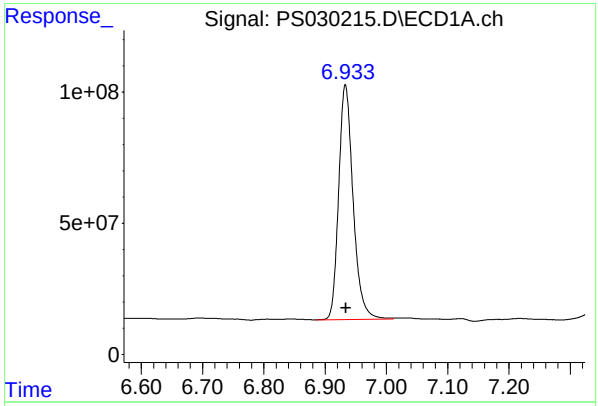
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/19/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 07:45:08 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







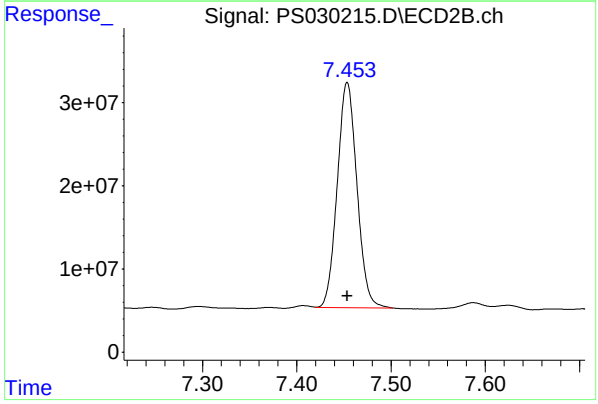
#4 2,4-DCAA

R.T.: 6.933 min
Delta R.T.: 0.000 mi
Response: 1462626868
Conc: 513.60 ng/m

Instrument :
ECD_S
ClientSampleId :
PB167976BL

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/19/2025
Supervised By :mohammad ahmed 05/20/2025



#4 2,4-DCAA

R.T.: 7.453 min
Delta R.T.: 0.000 min
Response: 393612496
Conc: 491.89 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051425\
Data File : PS030216.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 06:37
Operator : AR\AJ
Sample : PB167976BS
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB167976BS

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 15 07:45:36 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	6.934	7.453	1515.8E6	422.7E6	532.286	528.192
		Target Compounds						
1)	T	Dalapon	2.447	2.520	2339.1E6	963.1E6	475.870	474.165
2)	T	3,5-DICHL...	6.139	6.453	2049.9E6	548.7E6	491.519	470.658
3)	T	4-Nitroph...	6.724	6.988	1002.1E6	455.0E6	485.128	435.809
5)	T	DICAMBA	7.110	7.638	5760.8E6	2333.4E6	498.452	493.537
6)	T	MCPP	7.288	7.745	368.7E6	90149304	50.629	49.000
7)	T	MCPA	7.430	7.975	498.0E6	128.2E6	47.976	48.589
8)	T	DICHLORPROP	7.790	8.330	1453.9E6	578.3E6	497.673	489.476
9)	T	2,4-D	8.010	8.643	1635.5E6	648.5E6	498.777	502.533
10)	T	Pentachlo...	8.287	9.143	20984.0E6	12628.9E6	518.114	511.602
11)	T	2,4,5-TP ...	8.850	9.521	8245.5E6	4943.0E6	509.106	501.809
12)	T	2,4,5-T	9.132	9.925	8414.8E6	4584.1E6	509.521	498.073
13)	T	2,4-DB	9.690	10.482	1365.3E6	439.1E6	523.133	442.486
14)	T	DINOSEB	10.850	10.856	5677.7E6	3331.2E6	496.460	487.585
15)	T	Picloram	10.671	11.892	10215.1E6	6252.2E6	477.630	444.263m
16)	T	DCPA	11.151	11.888	10186.5E6	6258.0E6	511.590	463.192m

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

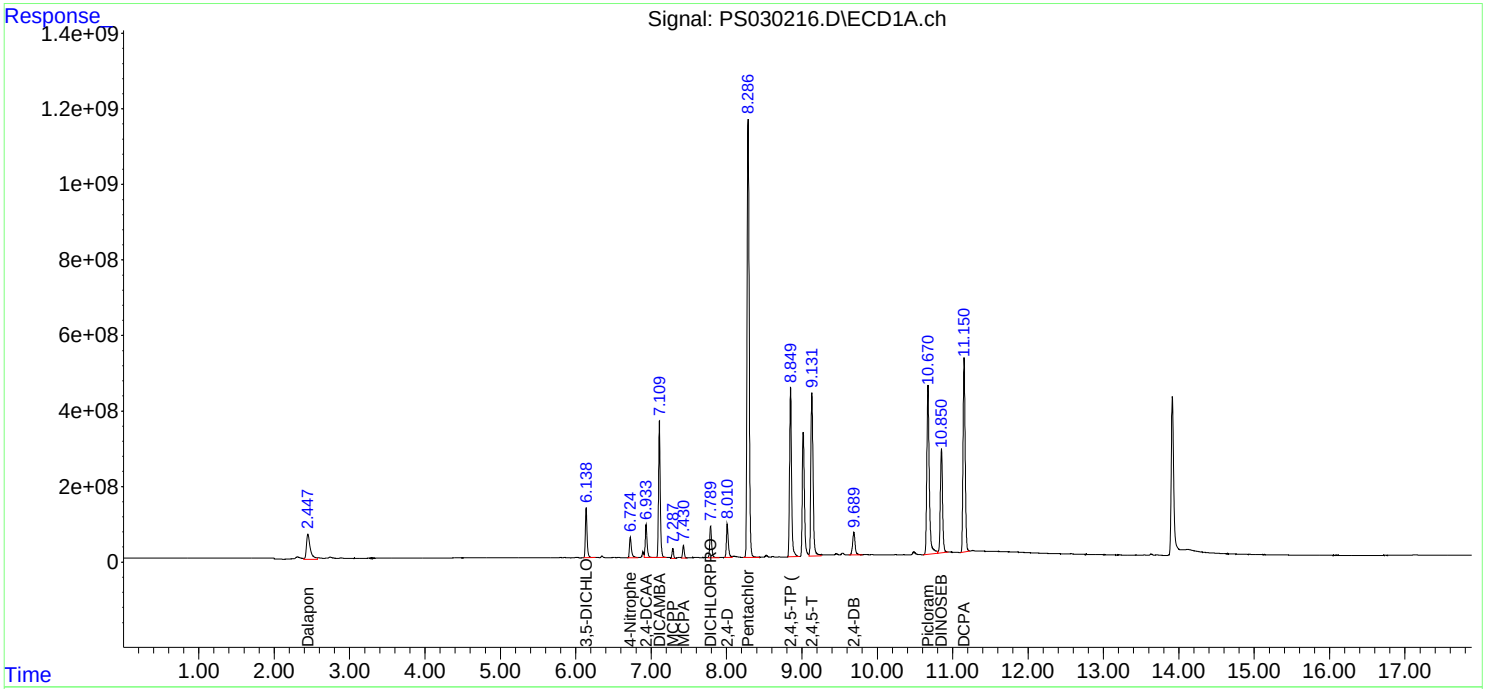
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051425\
Data File : PS030216.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 06:37
Operator : AR\AJ
Sample : PB167976BS
Misc :
ALS Vial : 43 Sample Multiplier: 1

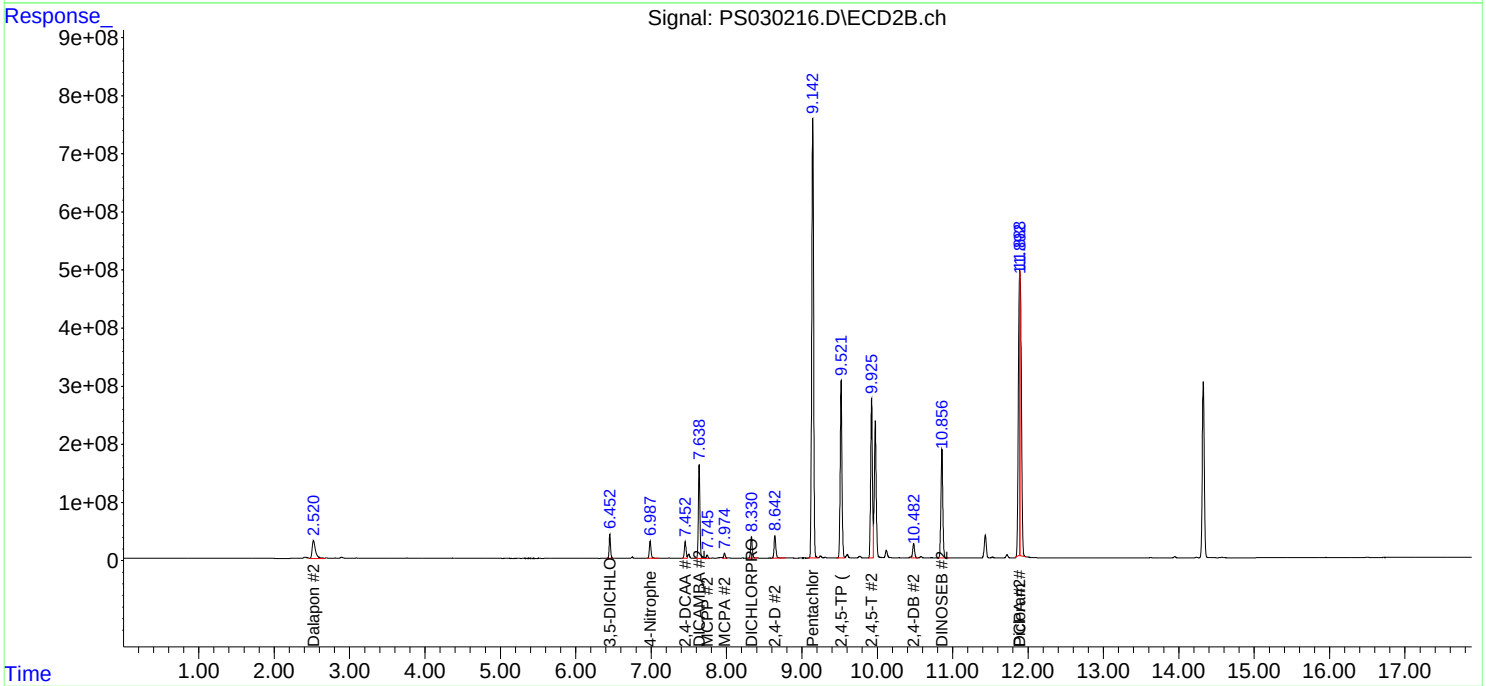
Instrument :
ECD_S
ClientSampleId :
PB167976BS

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 15 07:45:36 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\PS051425\
Data File : PS030185.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 15:53
Operator : AR\AJ
Sample : Q2007-07MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OR-636-COMP-11MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/15/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:38:37 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	933.8E6	235.0E6	327.905	293.627m
		Target Compounds						
1)	T	Dalapon	2.441	2.517	1878.5E6	834.6E6	382.172	410.920m
2)	T	3,5-DICHL...	6.138	6.452	1279.8E6	325.2E6	306.855	278.979m
3)	T	4-Nitroph...	6.723	6.986	583.4E6	261.3E6	282.424	250.266m
5)	T	DICAMBA	7.109	7.638	3193.8E6	1266.4E6	276.344	267.849m
6)	T	MCPP	7.286	7.744	167.7E6	33207076	23.023m	18.050m
7)	T	MCPA	7.429	7.973	230.9E6	75630282	22.242	28.673 #
8)	T	DICHLORPROP	7.789	8.331	985.9E6	366.7E6	337.495	310.369
9)	T	2,4-D	8.009	8.643	1150.1E6	430.8E6	350.762	333.825
10)	T	Pentachlo...	8.286	9.143	10571.6E6	6317.0E6	261.021	255.903
11)	T	2,4,5-TP ...	8.850	9.522	4757.6E6	3030.0E6	293.750	307.599
12)	T	2,4,5-T	9.132	9.925	4617.8E6	2670.1E6	279.607	290.120
13)	T	2,4-DB	9.691	10.482	579.7E6	251.0E6	222.132m	252.965m
14)	T	DINOSEB	10.851	10.847	243.4E6	120.2E6	21.282	17.601m
15)	T	Picloram	10.671	11.890	4725.3E6	3526.7E6	220.944	250.600m
16)	T	DCPA	11.152	11.886	5605.1E6	3352.8E6	281.502	248.163m

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

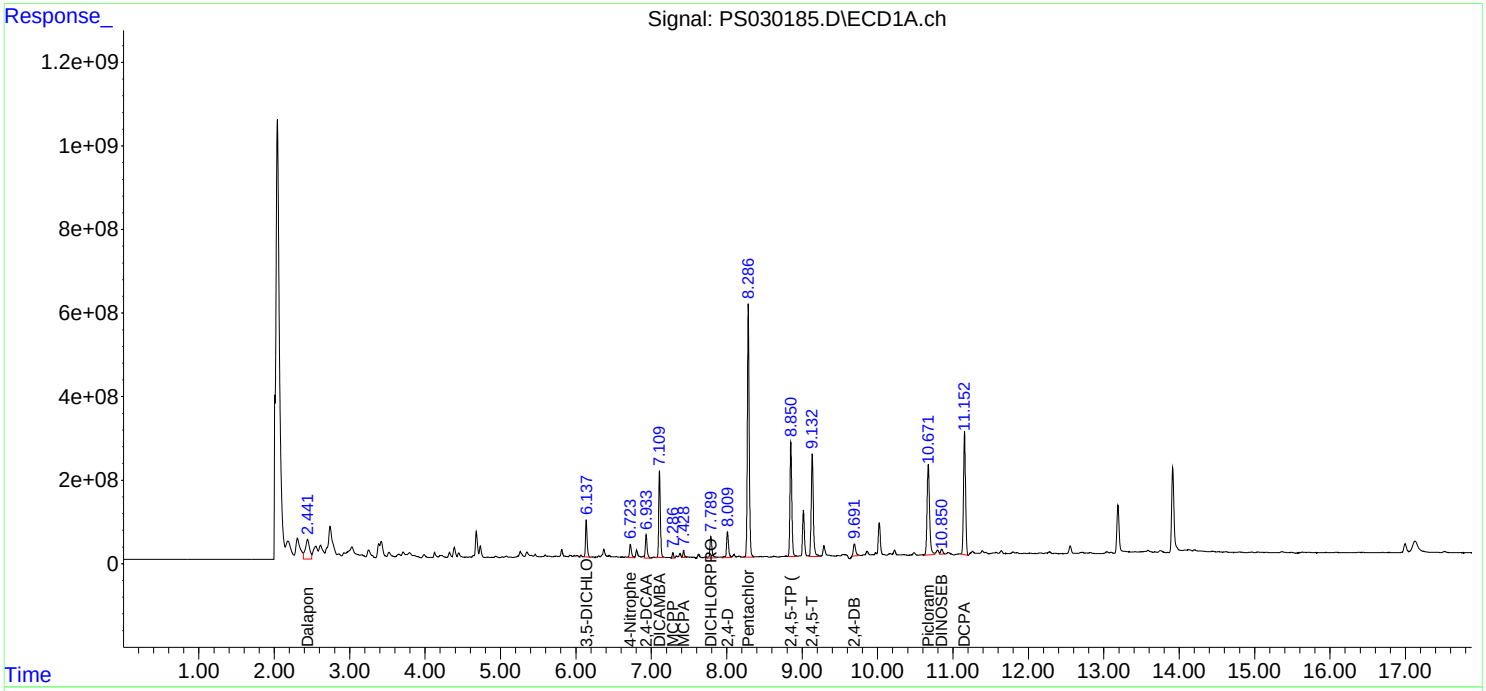
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051425\
Data File : PS030185.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 15:53
Operator : AR\AJ
Sample : Q2007-07MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

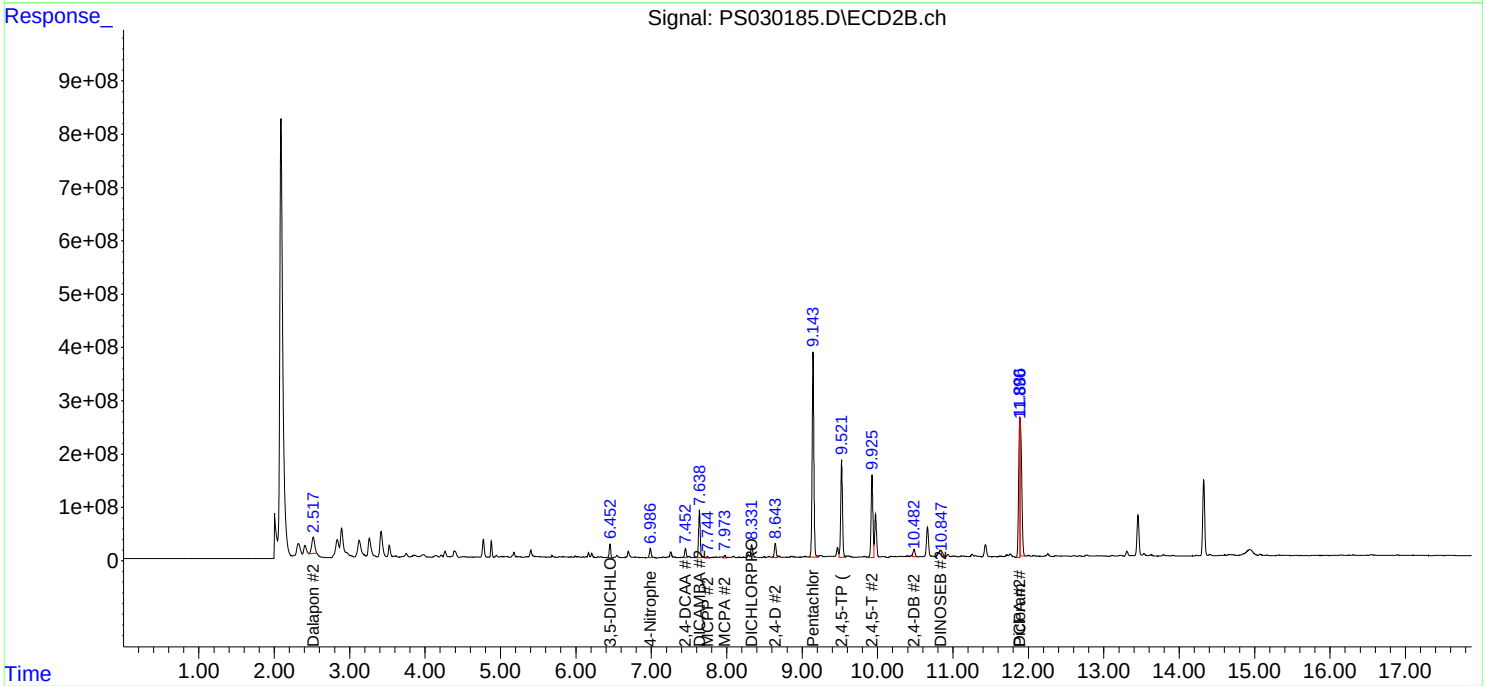
Instrument :
ECD_S
ClientSampleId :
OR-636-COMP-11MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/15/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:38:37 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\PS051425\
Data File : PS030186.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 16:17
Operator : AR\AJ
Sample : Q2007-07MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OR-636-COMP-11MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/15/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:38:48 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	967.8E6	247.5E6	339.846	309.265m
		Target Compounds						
1)	T	Dalapon	2.441	2.517	1951.8E6	906.3E6	397.084	446.211m
2)	T	3,5-DICHL...	6.138	6.452	1333.8E6	344.5E6	319.823	295.520m
3)	T	4-Nitroph...	6.723	6.987	610.8E6	268.1E6	295.690	256.811m
5)	T	DICAMBA	7.109	7.637	3307.9E6	1324.5E6	286.212	280.132m
6)	T	MCPP	7.286	7.744	161.8E6	33787313	22.214m	18.365m
7)	T	MCPA	7.428	7.973	240.1E6	83346826	23.129	31.598 #
8)	T	DICHLORPROP	7.790	8.331	1025.5E6	389.0E6	351.037	329.262
9)	T	2,4-D	8.009	8.643	1192.9E6	445.8E6	363.800	345.456
10)	T	Pentachlo...	8.286	9.143	10963.7E6	6610.3E6	270.704	267.785
11)	T	2,4,5-TP ...	8.850	9.521	4926.9E6	3164.2E6	304.204	321.221
12)	T	2,4,5-T	9.132	9.925	4795.6E6	2798.2E6	290.373	304.028
13)	T	2,4-DB	9.691	10.482	579.3E6	266.1E6	221.991m	268.141m
14)	T	DINOSEB	10.851	10.848	247.8E6	119.3E6	21.672	17.466m
15)	T	Picloram	10.671	11.889	4925.5E6	3729.6E6	230.304	265.012m
16)	T	DCPA	11.152	11.885	5708.0E6	3671.4E6	286.670	271.741m

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

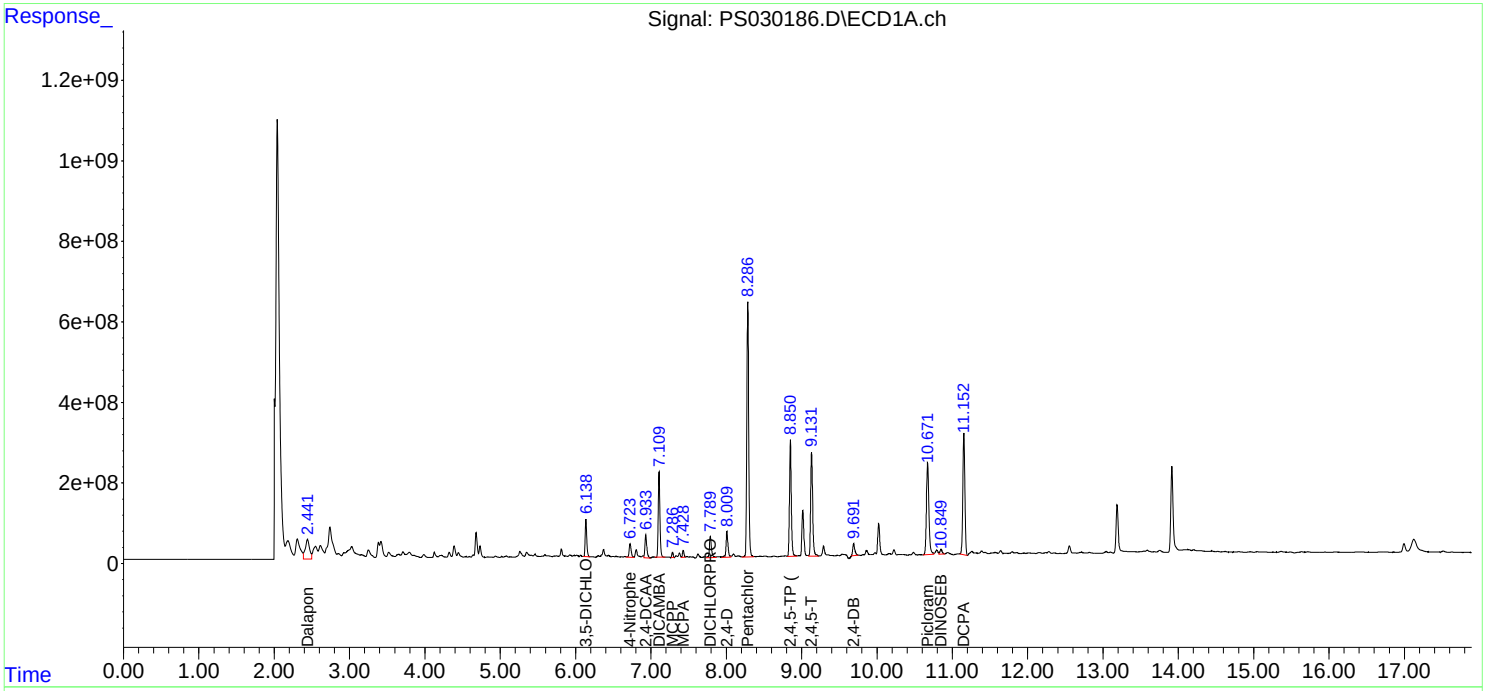
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051425\
Data File : PS030186.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 16:17
Operator : AR\AJ
Sample : Q2007-07MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

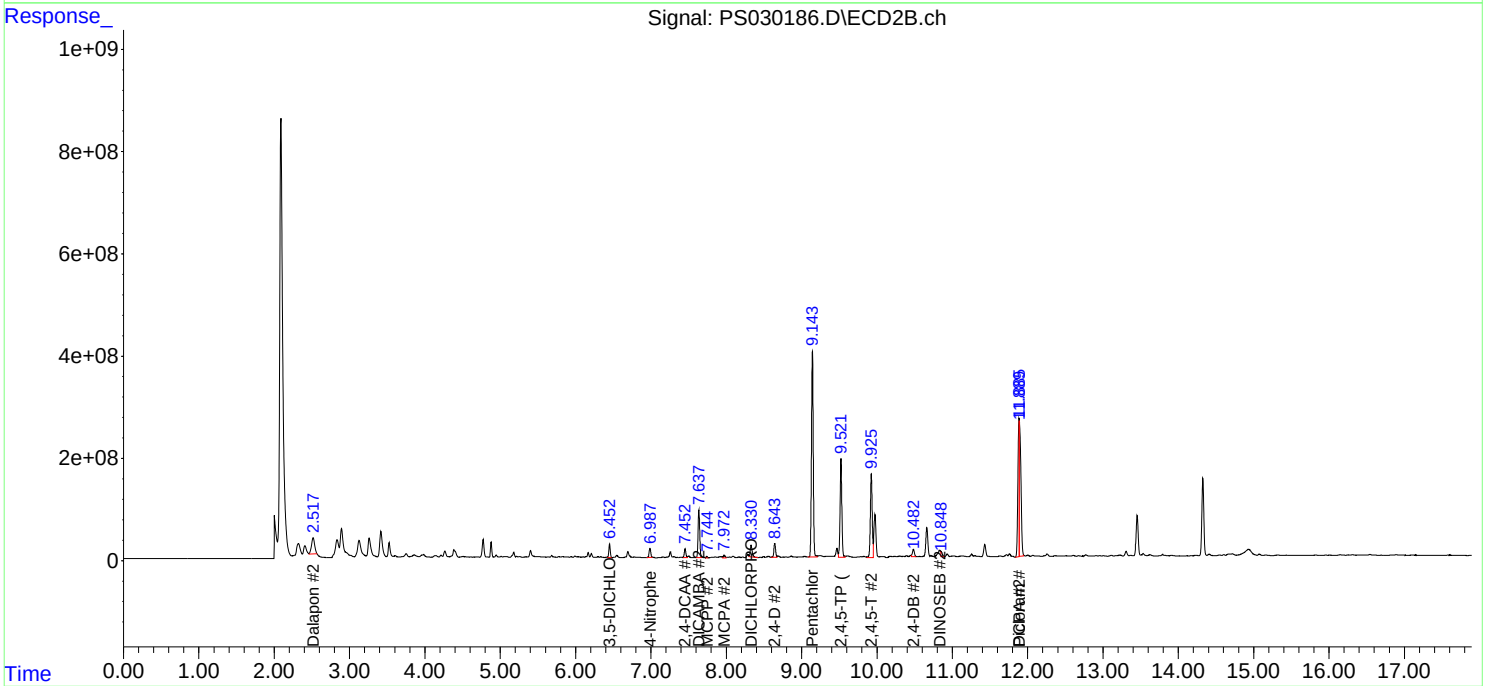
Instrument :
ECD_S
ClientSampleId :
OR-636-COMP-11MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/15/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:38:48 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:	PS051425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030168.D	2,4-DB #2	Abdul	5/15/2025 9:30:45 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
HSTDCCC750	PS030168.D	DCPA #2	Abdul	5/15/2025 9:30:45 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
HSTDCCC750	PS030168.D	Picloram #2	Abdul	5/15/2025 9:30:45 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
HSTDCCC750	PS030180.D	DCPA #2	Abdul	5/15/2025 7:47:51 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
HSTDCCC750	PS030180.D	Picloram #2	Abdul	5/15/2025 7:47:51 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
Q2007-07MS	PS030185.D	2,4-DB	Abdul	5/15/2025 9:31:32 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
Q2007-07MS	PS030185.D	2,4-DB #2	Abdul	5/15/2025 9:31:32 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
Q2007-07MS	PS030185.D	2,4-DCAA #2	Abdul	5/15/2025 9:31:32 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
Q2007-07MS	PS030185.D	3,5-DICHLOROBENZOIC ACID #2	Abdul	5/15/2025 9:31:32 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
Q2007-07MS	PS030185.D	4-Nitrophenol #2	Abdul	5/15/2025 9:31:32 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
Q2007-07MS	PS030185.D	Dalapon #2	Abdul	5/15/2025 9:31:32 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
Q2007-07MS	PS030185.D	DCPA #2	Abdul	5/15/2025 9:31:32 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
Q2007-07MS	PS030185.D	DICAMBA #2	Abdul	5/15/2025 9:31:32 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PS051425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2007-07MS	PS030185.D	DINOSEB #2	Abdul	5/15/2025 9:31:32 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
Q2007-07MS	PS030185.D	MCPP	Abdul	5/15/2025 9:31:32 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
Q2007-07MS	PS030185.D	MCPP #2	Abdul	5/15/2025 9:31:32 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
Q2007-07MS	PS030185.D	Picloram #2	Abdul	5/15/2025 9:31:32 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
Q2007-07MSD	PS030186.D	2,4-DB	Abdul	5/15/2025 9:31:35 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
Q2007-07MSD	PS030186.D	2,4-DB #2	Abdul	5/15/2025 9:31:35 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
Q2007-07MSD	PS030186.D	2,4-DCAA #2	Abdul	5/15/2025 9:31:35 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
Q2007-07MSD	PS030186.D	3,5-DICHLOROBENZOIC ACID #2	Abdul	5/15/2025 9:31:35 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
Q2007-07MSD	PS030186.D	4-Nitrophenol #2	Abdul	5/15/2025 9:31:35 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
Q2007-07MSD	PS030186.D	Dalapon #2	Abdul	5/15/2025 9:31:35 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
Q2007-07MSD	PS030186.D	DCPA #2	Abdul	5/15/2025 9:31:35 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
Q2007-07MSD	PS030186.D	DICAMBA #2	Abdul	5/15/2025 9:31:35 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
Q2007-07MSD	PS030186.D	DINOSEB #2	Abdul	5/15/2025 9:31:35 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS051425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2007-07MSD	PS030186.D	MCPP	Abdul	5/15/2025 9:31:35 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
Q2007-07MSD	PS030186.D	MCPP #2	Abdul	5/15/2025 9:31:35 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
Q2007-07MSD	PS030186.D	Picloram #2	Abdul	5/15/2025 9:31:35 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
HSTDCCC750	PS030190.D	DCPA #2	Abdul	5/15/2025 9:31:42 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
HSTDCCC750	PS030190.D	Picloram #2	Abdul	5/15/2025 9:31:42 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
HSTDCCC750	PS030202.D	DCPA #2	Abdul	5/15/2025 9:32:02 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
HSTDCCC750	PS030202.D	Picloram #2	Abdul	5/15/2025 9:32:02 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
HSTDCCC750	PS030214.D	DCPA #2	Abdul	5/15/2025 9:32:34 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
HSTDCCC750	PS030214.D	Picloram #2	Abdul	5/15/2025 9:32:34 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
PB167976BL	PS030215.D	2,4-DCAA #2	Abdul	5/19/2025 3:52:37 PM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
PB167976BS	PS030216.D	DCPA #2	Abdul	5/19/2025 3:52:41 PM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
PB167976BS	PS030216.D	Picloram #2	Abdul	5/19/2025 3:52:41 PM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software
HSTDCCC750	PS030221.D	DCPA #2	Abdul	5/15/2025 9:32:57 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS051425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030221.D	Picloram #2	Abdul	5/15/2025 9:32:57 AM	mohammad	5/20/2025 2:59:06	Peak Integrated by Software

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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
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
Q2010-01	PS030239.D	2,4-DCAA #2	Abdul	5/16/2025 10:04:03 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q2010-02	PS030240.D	2,4-DCAA	Abdul	5/16/2025 10:04:07 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q2010-02	PS030240.D	2,4-DCAA #2	Abdul	5/16/2025 10:04:07 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
HSTDCCC750	PS030256.D	Picloram #2	Abdul	5/16/2025 10:04:36 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS051525	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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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	

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 # PS051425

Review By	Abdul	Review On	5/15/2025 7:48:32 AM		
Supervise By	mohammad	Supervise On	5/20/2025 2:59:07 AM		
SubDirectory	PS051425	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	PS030166.D	14 May 2025 08:16	AR\AJ	Ok
2	I.BLK	PS030167.D	14 May 2025 08:40	AR\AJ	Ok
3	HSTDCCC750	PS030168.D	14 May 2025 09:04	AR\AJ	Ok,M
4	Q2007-06RE	PS030169.D	14 May 2025 09:28	AR\AJ	Confirms
5	Q2007-12RE	PS030170.D	14 May 2025 09:52	AR\AJ	Confirms
6	Q2007-18RE	PS030171.D	14 May 2025 10:16	AR\AJ	Confirms
7	Q2007-24RE	PS030172.D	14 May 2025 10:40	AR\AJ	Confirms
8	Q2007-30RE	PS030173.D	14 May 2025 11:04	AR\AJ	Confirms
9	Q2007-36RE	PS030174.D	14 May 2025 11:28	AR\AJ	Confirms
10	Q1968-01	PS030175.D	14 May 2025 11:53	AR\AJ	Ok,M
11	Q1968-05	PS030176.D	14 May 2025 12:17	AR\AJ	Ok,M
12	Q2007-01	PS030177.D	14 May 2025 12:41	AR\AJ	Ok
13	Q2007-07	PS030178.D	14 May 2025 13:05	AR\AJ	Ok,M
14	I.BLK	PS030179.D	14 May 2025 13:29	AR\AJ	Ok
15	HSTDCCC750	PS030180.D	14 May 2025 13:53	AR\AJ	Ok,M
16	Q2007-13	PS030181.D	14 May 2025 14:17	AR\AJ	Ok,M
17	Q2007-19	PS030182.D	14 May 2025 14:41	AR\AJ	Ok,M
18	Q2007-25	PS030183.D	14 May 2025 15:05	AR\AJ	Ok,M
19	Q2007-31	PS030184.D	14 May 2025 15:29	AR\AJ	Ok,M
20	Q2007-07MS	PS030185.D	14 May 2025 15:53	AR\AJ	Ok,M
21	Q2007-07MSD	PS030186.D	14 May 2025 16:17	AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS051425

Review By	Abdul	Review On	5/15/2025 7:48:32 AM		
Supervise By	mohammad	Supervise On	5/20/2025 2:59:07 AM		
SubDirectory	PS051425	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	PB167976BL	PS030187.D	14 May 2025 16:41	AR\AJ	Not Ok
23	PB167976BS	PS030188.D	14 May 2025 17:05	AR\AJ	Not Ok
24	I.BLK	PS030189.D	14 May 2025 17:29	AR\AJ	Ok
25	HSTDCCC750	PS030190.D	14 May 2025 17:53	AR\AJ	Ok,M
26	Q2004-01	PS030191.D	14 May 2025 18:17	AR\AJ	Ok
27	Q2004-03	PS030192.D	14 May 2025 18:41	AR\AJ	Ok
28	Q2004-05	PS030193.D	14 May 2025 19:05	AR\AJ	Ok
29	Q2004-07	PS030194.D	14 May 2025 19:29	AR\AJ	Ok
30	Q2004-09	PS030195.D	14 May 2025 19:54	AR\AJ	Ok,M
31	Q2004-11	PS030196.D	14 May 2025 20:18	AR\AJ	Ok,M
32	PB167988BL	PS030197.D	14 May 2025 20:42	AR\AJ	Ok,M
33	PB167988BS	PS030198.D	14 May 2025 21:06	AR\AJ	Not Ok
34	PB167963TB	PS030199.D	14 May 2025 21:30	AR\AJ	Ok,M
35	Q2001-03	PS030200.D	14 May 2025 21:54	AR\AJ	Ok
36	I.BLK	PS030201.D	14 May 2025 22:18	AR\AJ	Ok
37	HSTDCCC750	PS030202.D	14 May 2025 22:42	AR\AJ	Ok,M
38	Q2001-03MS	PS030203.D	14 May 2025 23:06	AR\AJ	Ok,M
39	Q2001-03MSD	PS030204.D	14 May 2025 23:30	AR\AJ	Ok,M
40	Q2001-07	PS030205.D	14 May 2025 23:54	AR\AJ	Ok
41	Q2001-11	PS030206.D	15 May 2025 00:18	AR\AJ	Ok
42	Q2001-15	PS030207.D	15 May 2025 00:42	AR\AJ	Ok,M
43	PB168003BL	PS030208.D	15 May 2025 01:06	AR\AJ	Ok
44	PB168003BS	PS030209.D	15 May 2025 01:30	AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS051425

Review By	Abdul	Review On	5/15/2025 7:48:32 AM		
Supervise By	mohammad	Supervise On	5/20/2025 2:59:07 AM		
SubDirectory	PS051425	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	

45	PB168003BSD	PS030210.D	15 May 2025 01:54	AR\AJ	Ok,M
46	Q2005-01	PS030211.D	15 May 2025 02:19	AR\AJ	Ok,M
47	Q2032-11	PS030212.D	15 May 2025 05:02	AR\AJ	Ok,M
48	I.BLK	PS030213.D	15 May 2025 05:26	AR\AJ	Ok
49	HSTDCCC750	PS030214.D	15 May 2025 05:50	AR\AJ	Ok,M
50	PB167976BL	PS030215.D	15 May 2025 06:13	AR\AJ	Ok,M
51	PB167976BS	PS030216.D	15 May 2025 06:37	AR\AJ	Ok,M
52	Q2017-01	PS030217.D	15 May 2025 07:01	AR\AJ	Ok,M
53	Q2017-05	PS030218.D	15 May 2025 07:25	AR\AJ	Ok,M
54	PB167979BS	PS030219.D	15 May 2025 07:49	AR\AJ	Not Ok
55	I.BLK	PS030220.D	15 May 2025 08:13	AR\AJ	Ok
56	HSTDCCC750	PS030221.D	15 May 2025 08:37	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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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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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	

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 # PS051425

Review By	Abdul	Review On	5/15/2025 7:48:32 AM		
Supervise By	mohammad	Supervise On	5/20/2025 2:59:07 AM		
SubDirectory	PS051425	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	PS030166.D	14 May 2025 08:16		AR\AJ	Ok
2	I.BLK	I.BLK	PS030167.D	14 May 2025 08:40		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS030168.D	14 May 2025 09:04		AR\AJ	Ok,M
4	Q2007-06RE	OR-636-COMP-10RE	PS030169.D	14 May 2025 09:28	Surrogate high in 1st column	AR\AJ	Confirms
5	Q2007-12RE	OR-636-COMP-11RE	PS030170.D	14 May 2025 09:52	Surrogate high in 1st column	AR\AJ	Confirms
6	Q2007-18RE	OR-636-COMP-12RE	PS030171.D	14 May 2025 10:16	Surrogate high in 1st column	AR\AJ	Confirms
7	Q2007-24RE	OR-636-COMP-13RE	PS030172.D	14 May 2025 10:40	Surrogate high in 1st column	AR\AJ	Confirms
8	Q2007-30RE	OR-636-COMP-14RE	PS030173.D	14 May 2025 11:04	Surrogate high in 1st column	AR\AJ	Confirms
9	Q2007-36RE	OR-636-COMP-15RE	PS030174.D	14 May 2025 11:28	Surrogate high in 1st column	AR\AJ	Confirms
10	Q1968-01	MH-N	PS030175.D	14 May 2025 11:53		AR\AJ	Ok,M
11	Q1968-05	MH-M	PS030176.D	14 May 2025 12:17		AR\AJ	Ok,M
12	Q2007-01	OR-636-COMP-10	PS030177.D	14 May 2025 12:41		AR\AJ	Ok
13	Q2007-07	OR-636-COMP-11	PS030178.D	14 May 2025 13:05		AR\AJ	Ok,M
14	I.BLK	I.BLK	PS030179.D	14 May 2025 13:29		AR\AJ	Ok
15	HSTDCCC750	HSTDCCC750	PS030180.D	14 May 2025 13:53		AR\AJ	Ok,M
16	Q2007-13	OR-636-COMP-12	PS030181.D	14 May 2025 14:17		AR\AJ	Ok,M
17	Q2007-19	OR-636-COMP-13	PS030182.D	14 May 2025 14:41		AR\AJ	Ok,M
18	Q2007-25	OR-636-COMP-14	PS030183.D	14 May 2025 15:05		AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS051425

Review By	Abdul	Review On	5/15/2025 7:48:32 AM		
Supervise By	mohammad	Supervise On	5/20/2025 2:59:07 AM		
SubDirectory	PS051425	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	Q2007-31	OR-636-COMP-15	PS030184.D	14 May 2025 15:29		AR\AJ	Ok,M
20	Q2007-07MS	OR-636-COMP-11MS	PS030185.D	14 May 2025 15:53	some compound recovery fail	AR\AJ	Ok,M
21	Q2007-07MSD	OR-636-COMP-11MSD	PS030186.D	14 May 2025 16:17	some compound recovery fail	AR\AJ	Ok,M
22	PB167976BL	PB167976BL	PS030187.D	14 May 2025 16:41		AR\AJ	Not Ok
23	PB167976BS	PB167976BS	PS030188.D	14 May 2025 17:05		AR\AJ	Not Ok
24	I.BLK	I.BLK	PS030189.D	14 May 2025 17:29		AR\AJ	Ok
25	HSTDCCC750	HSTDCCC750	PS030190.D	14 May 2025 17:53		AR\AJ	Ok,M
26	Q2004-01	VNJ-220	PS030191.D	14 May 2025 18:17		AR\AJ	Ok
27	Q2004-03	2811	PS030192.D	14 May 2025 18:41		AR\AJ	Ok
28	Q2004-05	R0202	PS030193.D	14 May 2025 19:05		AR\AJ	Ok
29	Q2004-07	205510	PS030194.D	14 May 2025 19:29		AR\AJ	Ok
30	Q2004-09	SOIL-STOCK	PS030195.D	14 May 2025 19:54		AR\AJ	Ok,M
31	Q2004-11	STONE-STOCK	PS030196.D	14 May 2025 20:18		AR\AJ	Ok,M
32	PB167988BL	PB167988BL	PS030197.D	14 May 2025 20:42		AR\AJ	Ok,M
33	PB167988BS	PB167988BS	PS030198.D	14 May 2025 21:06	Looks like BL	AR\AJ	Not Ok
34	PB167963TB	PB167963TB	PS030199.D	14 May 2025 21:30		AR\AJ	Ok,M
35	Q2001-03	WC-A4-03-C	PS030200.D	14 May 2025 21:54		AR\AJ	Ok
36	I.BLK	I.BLK	PS030201.D	14 May 2025 22:18		AR\AJ	Ok
37	HSTDCCC750	HSTDCCC750	PS030202.D	14 May 2025 22:42		AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS051425

Review By	Abdul	Review On	5/15/2025 7:48:32 AM		
Supervise By	mohammad	Supervise On	5/20/2025 2:59:07 AM		
SubDirectory	PS051425	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	Q2001-03MS	WC-A4-03-CMS	PS030203.D	14 May 2025 23:06	Comp#1,8,14 recovery fail	AR\AJ	Ok,M
39	Q2001-03MSD	WC-A4-03-CMSD	PS030204.D	14 May 2025 23:30	Comp#1,8,14 recovery fail	AR\AJ	Ok,M
40	Q2001-07	WC-A1-05-C	PS030205.D	14 May 2025 23:54		AR\AJ	Ok
41	Q2001-11	WC-A1-06-C	PS030206.D	15 May 2025 00:18		AR\AJ	Ok
42	Q2001-15	WC-A1-07-C	PS030207.D	15 May 2025 00:42		AR\AJ	Ok,M
43	PB168003BL	PB168003BL	PS030208.D	15 May 2025 01:06		AR\AJ	Ok
44	PB168003BS	PB168003BS	PS030209.D	15 May 2025 01:30		AR\AJ	Ok,M
45	PB168003BSD	PB168003BSD	PS030210.D	15 May 2025 01:54		AR\AJ	Ok,M
46	Q2005-01	252806	PS030211.D	15 May 2025 02:19		AR\AJ	Ok,M
47	Q2032-11	FB-05132025	PS030212.D	15 May 2025 05:02		AR\AJ	Ok,M
48	I.BLK	I.BLK	PS030213.D	15 May 2025 05:26		AR\AJ	Ok
49	HSTDCCC750	HSTDCCC750	PS030214.D	15 May 2025 05:50		AR\AJ	Ok,M
50	PB167976BL	PB167976BL	PS030215.D	15 May 2025 06:13		AR\AJ	Ok,M
51	PB167976BS	PB167976BS	PS030216.D	15 May 2025 06:37		AR\AJ	Ok,M
52	Q2017-01	MH-I	PS030217.D	15 May 2025 07:01		AR\AJ	Ok,M
53	Q2017-05	MH-J	PS030218.D	15 May 2025 07:25		AR\AJ	Ok,M
54	PB167979BS	PB167979BS	PS030219.D	15 May 2025 07:49	typo	AR\AJ	Not Ok
55	I.BLK	I.BLK	PS030220.D	15 May 2025 08:13		AR\AJ	Ok
56	HSTDCCC750	HSTDCCC750	PS030221.D	15 May 2025 08:37		AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS051425

Review By	Abdul	Review On	5/15/2025 7:48:32 AM		
Supervise By	mohammad	Supervise On	5/20/2025 2:59:07 AM		
SubDirectory	PS051425	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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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

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EXTRACTION LOGPAGE

PB167976

SOP ID:	M8151A-Herbicide-22				
Clean Up SOP #:	N/A			**Extraction Start Date :**	05/13/2025
Matrix :	Solid			**Extraction Start Time :**	10:35
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	05/13/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	17:45
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	E3933
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
5/13/25	RS (Bot Lab)	R. Pest/PCB Lab
17:50	**Preparation Group**	**Analysis Group**

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EXTRACTION LOGPAGE

PrepBatch ID : PB167976

Analytical Method: M8151A-Herbicide-22 **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				
PB167976BL	HBLK976	Herbicide	30.01	N/A	ritesh	Evelyn	10			U6-1
PB167976BS	HLCS976	Herbicide	30.03	N/A	ritesh	Evelyn	10			2
Q1968-01	MH-N	Herbicide	30.07	N/A	ritesh	Evelyn	10	E		3
Q1968-05	MH-M	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		4
Q2004-01	VNJ-220	Herbicide	30.08	N/A	ritesh	Evelyn	10	E		5
Q2004-03	2811	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		6
Q2004-05	R0202	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		U3-1
Q2004-07	205510	Herbicide	30.02	N/A	ritesh	Evelyn	10	E		2
Q2004-09	SOIL-STOCK	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		3
Q2004-11	STONE-STOCK	Herbicide	30.01	N/A	ritesh	Evelyn	10	E	Stone	4
Q2007-01	OR-636-COMP-10	Herbicide	30.07	N/A	ritesh	Evelyn	10	E		5
Q2007-07	OR-636-COMP-11	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		6
Q2007-07MS	OR-636-COMP-11MS	Herbicide	30.02	N/A	ritesh	Evelyn	10	E		U2-1
Q2007-07MSD	OR-636-COMP-11MSD	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		2
Q2007-13	OR-636-COMP-12	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		3
Q2007-19	OR-636-COMP-13	Herbicide	30.01	N/A	ritesh	Evelyn	10	E		4
Q2007-25	OR-636-COMP-14	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		5
Q2007-31	OR-636-COMP-15	Herbicide	30.08	N/A	ritesh	Evelyn	10	E		6
Q2010-01	TP-10	Herbicide	30.02	N/A	ritesh	Evelyn	10	E		U1-1
Q2010-02	TP-13	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		2
Q2010-03	TP-14	Herbicide	30.07	N/A	ritesh	Evelyn	10	E		3
Q2010-04	TP-17	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		4
Q2017-01	MH-I	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		5
Q2017-05	MH-J	Herbicide	30.01	N/A	ritesh	Evelyn	10	A		6

RS 5/13

* **Extracts relinquished on the same date as received.**

Q1968 05/13/25 10:35

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1968H **WorkList ID :** 189484 **Department :** Extraction **Date :** 05-13-2025 09:01:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1968-01	MH-N	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/06/2025	8151A
Q1968-05	MH-M	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/06/2025	8151A
Q2004-01	VNJ-220	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/09/2025	8151A
Q2004-03	2811	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/09/2025	8151A
Q2004-05	R0202	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/09/2025	8151A
Q2004-07	205510	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/09/2025	8151A
Q2004-09	SOIL-STOCK	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/09/2025	8151A
Q2004-11	STONE-STOCK	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/09/2025	8151A
Q2007-01	OR-636-COMP-10	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/09/2025	8151A
Q2007-07	OR-636-COMP-11	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/09/2025	8151A
Q2007-13	OR-636-COMP-12	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/09/2025	8151A
Q2007-19	OR-636-COMP-13	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/09/2025	8151A
Q2007-25	OR-636-COMP-14	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/09/2025	8151A
Q2007-31	OR-636-COMP-15	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/09/2025	8151A
Q2010-01	TP-10	Solid	Herbicide	Cool 4 deg C	CAMP02	L51	05/08/2025	8151A
Q2010-02	TP-13	Solid	Herbicide	Cool 4 deg C	CAMP02	L51	05/08/2025	8151A
Q2010-03	TP-14	Solid	Herbicide	Cool 4 deg C	CAMP02	L51	05/08/2025	8151A
Q2010-04	TP-17	Solid	Herbicide	Cool 4 deg C	CAMP02	L51	05/08/2025	8151A
Q2017-01	MH-I	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/12/2025	8151A
Q2017-05	MH-J	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/12/2025	8151A

Date/Time 05/13/25 10:30
Raw Sample Received by: RJ (FEX-VOA)
Raw Sample Relinquished by: CH SM

Date/Time 05/13/25 11:05
Raw Sample Received by: CH SM
Raw Sample Relinquished by: RJ (FEX-VOA)

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LAB CHRONICLE

OrderID:	Q2010	**OrderDate:**	5/9/2025 4:00:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2010-01	**TP-10**	**SOIL**			**05/08/25**			**05/09/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			Herbicide	8151A		05/13/25	05/15/25	
			PCB	8082A		05/14/25	05/14/25	
			Pesticide-TCL	8081B		05/13/25	05/13/25	
Q2010-02	**TP-13**	**SOIL**			**05/08/25**			**05/09/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/14/25	
			Herbicide	8151A		05/13/25	05/15/25	
			PCB	8082A		05/14/25	05/14/25	
			Pesticide-TCL	8081B		05/13/25	05/13/25	
Q2010-03	**TP-14**	**SOIL**			**05/08/25**			**05/09/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			Herbicide	8151A		05/13/25	05/15/25	
			PCB	8082A		05/14/25	05/14/25	
			Pesticide-TCL	8081B		05/13/25	05/13/25	
Q2010-04	**TP-17**	**SOIL**			**05/08/25**			**05/09/25**
			Diesel Range Organics	8015D		05/13/25	05/14/25	
			Gasoline Range Organics	8015D			05/13/25	
			Herbicide	8151A		05/13/25	05/15/25	
			PCB	8082A		05/14/25	05/14/25	
			Pesticide-TCL	8081B		05/13/25	05/13/25	

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-10	SDG No.:	Q2010
Lab Sample ID:	Q2010-01	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	93.3 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
FG015836.D	1	05/13/25 10:05	05/13/25 22:44	PB167975

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	3280		181	1780	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	9.37		37 - 130	47%	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:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-13	SDG No.:	Q2010
Lab Sample ID:	Q2010-02	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	84.4 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
FG015837.D	1	05/13/25 10:05	05/13/25 23:14	PB167975

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	1580	J	200	1970	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	10.9		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:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-14	SDG No.:	Q2010
Lab Sample ID:	Q2010-03	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	80.7 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
FG015838.D	1	05/13/25 10:05	05/13/25 23:43	PB167975

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	3490		209	2060	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	17.9		37 - 130	90%	SPK: 20

Comments:

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
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* = 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:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-17	SDG No.:	Q2010
Lab Sample ID:	Q2010-04	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	77.4 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015839.D	1	05/13/25 10:05	05/14/25 0:12	PB167975

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	1830	J	218	2150	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
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
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* = Values outside of QC limits
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QC SUMMARY

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SOIL DIESEL RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: CDM Smith

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG No.: Q2010

EPA SAMPLE NO.	S1 TETRACOSANE-d50	S2	S3	S4	TOT OUT
PIBLK-FG015817.D	96				0
PIBLK-FG015824.D	85				0
PIBLK-FG015834.D	96				0
PIBLK-FG015840.D	94				0
PB167975BL	87				0
PB167975BS	93				0
SB2-4-5MS	58				0
SB2-4-5MSD	60				0
TP-10	47				0
TP-13	54				0
TP-14	90				0
TP-17	51				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:** Q2010 **SAS No :** Q2010 **SDG No:** Q2010

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:** Q2010 **SAS No :** Q2010 **SDG No:** Q2010

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:** Q2010 **SAS No :** Q2010 **SDG No:** Q2010

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.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

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
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-10	Q2010-01	FG015836.D	05/13/25
TP-13	Q2010-02	FG015837.D	05/13/25
TP-14	Q2010-03	FG015838.D	05/13/25
TP-17	Q2010-04	FG015839.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:	PB167975BL	SDG No.:	Q2010
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
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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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.:	Q2010
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.:	Q2010
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.:	Q2010
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
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LOD = Limit of Detection
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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:	05/14/25
Project:	South River WM Replacement	Date Received:	05/14/25
Client Sample ID:	PIBLK-FG015840.D	SDG No.:	Q2010
Lab Sample ID:	I.BLK-FG015840.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
FG015840.D	1		05/14/25	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	18.9		29 - 130	94%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB167975BS	SDG No.:	Q2010
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
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:	SB2-4-5MS	SDG No.:	Q2010
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
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:	SB2-4-5MSD	SDG No.:	Q2010
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

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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.: Q2010 SAS No.: Q2010 SDG No.: Q2010

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.: Q2010 SAS No.: Q2010 SDG No.: Q2010

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.: Q2010 SAS No.: Q2010 SDG No.: Q2010

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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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.: Q2010 SAS No.: Q2010 SDG No.: Q2010

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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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.: Q2010 SAS No.: Q2010 SDG No.: Q2010

DataFile: FG015841.D Analyst Name: YP\AJ Analyst Date: 05-14-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	65024093	130048	126925	2.461

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q2010

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 **15.0012**

EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
PIBLK01	I.BLK01	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	
PIBLK02	I.BLK02	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	
PIBLK03	I.BLK03	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	
TP-10	Q2010-01	13 May 2025 22:44	FG015836.D	14.992	
TP-13	Q2010-02	13 May 2025 23:14	FG015837.D	14.994	
TP-14	Q2010-03	13 May 2025 23:43	FG015838.D	14.995	
TP-17	Q2010-04	14 May 2025 00:12	FG015839.D	14.993	
PIBLK04	I.BLK04	14 May 2025 00:41	FG015840.D	14.995	
50 PPM TRPH STD	50 PPM TRPH STD	14 May 2025 01:10	FG015841.D	14.998	

 # 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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051325\
Data File : FG015836.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 22:44
Operator : YP\AJ
Sample : Q2010-01
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-10

Integration File: autoint1.e
Quant Time: May 14 03:57:26 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...	14.992	1102742	9.366 ug/ml
Target Compounds			

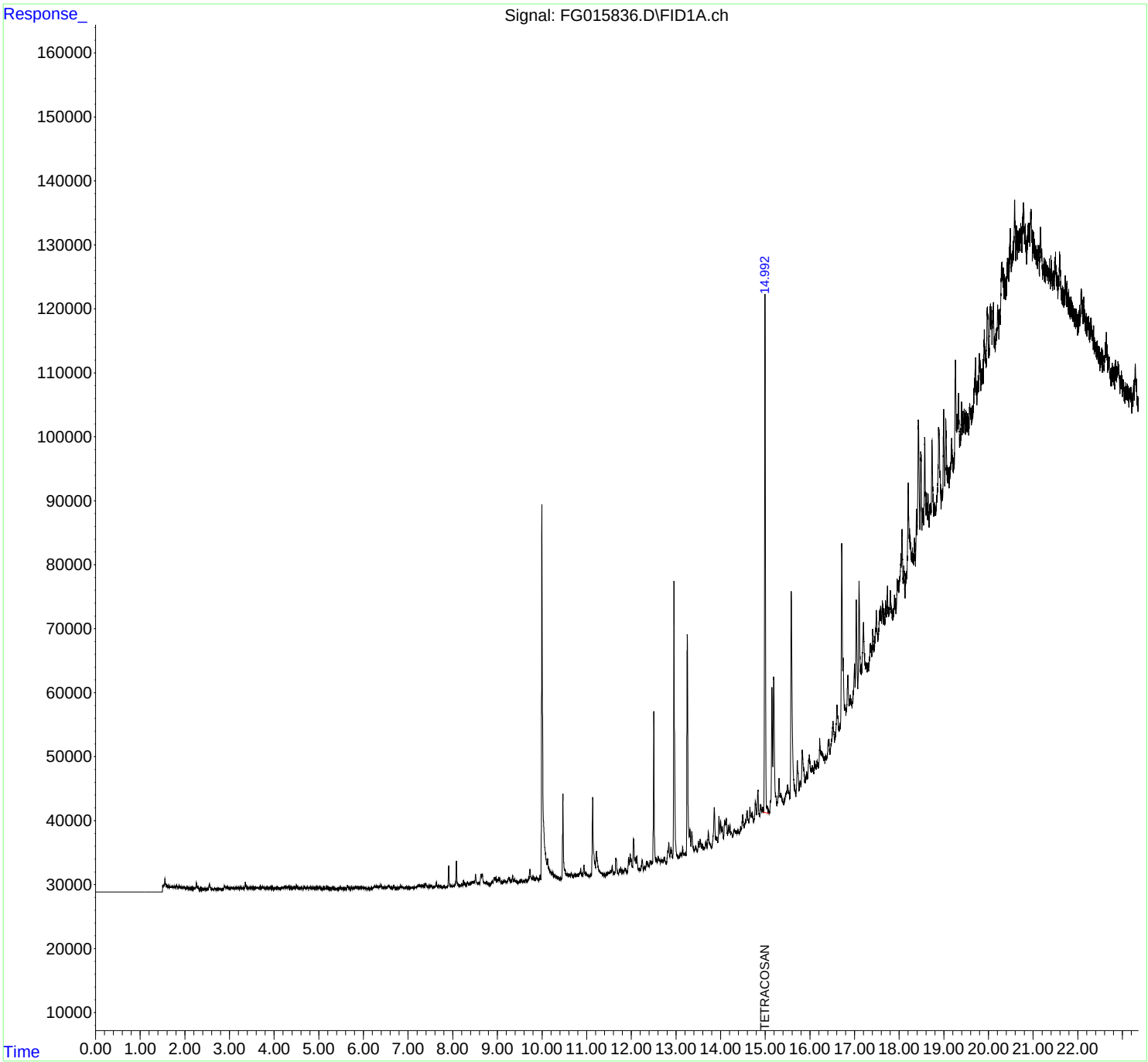
(f)=RT Delta > 1/2 Window (m)=manual int.

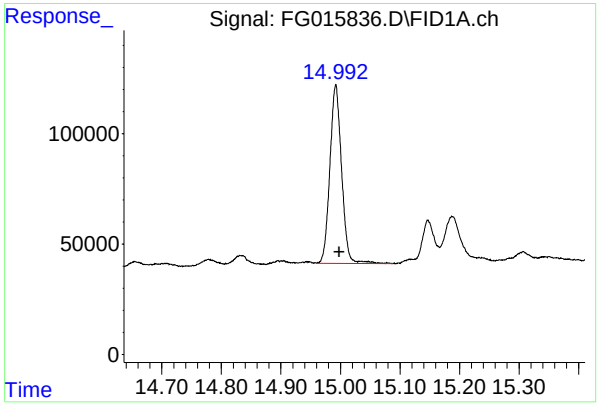
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051325\
Data File : FG015836.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 22:44
Operator : YP\AJ
Sample : Q2010-01
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-10

Integration File: autoint1.e
Quant Time: May 14 03:57:26 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.:	14.992 min
Delta R.T.:	-0.006 mi
Response:	1102742
Conc:	9.37 ug/m

Instrument :
FID_G
ClientSampleId :
TP-10

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 : FG015836.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 22:44
Sample : Q2010-01
Misc :
ALS Vial : 33 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	4.316	4.300	4.342	BV	157	1694	0.15%	0.013%
2	4.345	4.342	4.351	VV	119	288	0.03%	0.002%
3	4.366	4.351	4.406	PV	163	3092	0.28%	0.024%
4	4.410	4.406	4.423	PV	94	683	0.06%	0.005%
5	4.437	4.423	4.448	VV	152	1466	0.13%	0.011%
6	4.452	4.448	4.463	VV	143	725	0.07%	0.006%
7	4.470	4.463	4.475	VV	136	577	0.05%	0.005%
8	4.500	4.475	4.517	VV	411	6167	0.55%	0.048%
9	4.521	4.517	4.524	VV	156	616	0.06%	0.005%
10	4.539	4.524	4.544	VV	194	2052	0.18%	0.016%
11	4.551	4.544	4.566	VV	189	1719	0.15%	0.013%
12	4.574	4.566	4.582	VV	204	1300	0.12%	0.010%
13	4.586	4.582	4.597	VV	191	1019	0.09%	0.008%
14	4.625	4.597	4.649	VV	357	4878	0.44%	0.038%
15	4.673	4.649	4.704	PV	377	6169	0.55%	0.048%
16	4.706	4.704	4.721	VV	206	1439	0.13%	0.011%
17	4.733	4.721	4.743	VV	266	2345	0.21%	0.018%
18	4.748	4.743	4.771	VV	289	3117	0.28%	0.024%
19	4.781	4.771	4.799	VV	363	4124	0.37%	0.032%
20	4.803	4.799	4.817	VV	264	2186	0.20%	0.017%
21	4.822	4.817	4.839	VV	228	2567	0.23%	0.020%
22	4.848	4.839	4.862	VV	235	2461	0.22%	0.019%
23	4.867	4.862	4.878	VV	239	1425	0.13%	0.011%
24	4.882	4.878	4.901	VV	168	1892	0.17%	0.015%
25	4.903	4.901	4.917	VV	173	1183	0.11%	0.009%
26	4.940	4.917	4.950	VV	262	3946	0.35%	0.031%
27	4.967	4.950	4.987	VV	305	4956	0.44%	0.039%
28	5.007	4.987	5.023	VV	382	5478	0.49%	0.043%
29	5.031	5.023	5.051	VV	238	3155	0.28%	0.025%
30	5.059	5.051	5.070	VV	197	1551	0.14%	0.012%
31	5.089	5.070	5.093	VV	210	2184	0.20%	0.017%
32	5.101	5.093	5.120	VV	288	3382	0.30%	0.026%
33	5.124	5.120	5.136	VV	194	1001	0.09%	0.008%
34	5.161	5.136	5.166	VV	236	2299	0.21%	0.018%
35	5.174	5.166	5.199	VV	586	3288	0.30%	0.026%
36	5.215	5.199	5.245	VV	174	2960	0.27%	0.023%

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37	5.255	5.245	5.267	VV	153	1291	0.12%	0.010%
38	5.293	5.267	5.303	PV	248	3117	0.28%	0.024%
39	5.307	5.303	5.318	VV	254	1675	0.15%	0.013%
40	5.322	5.318	5.360	VV	231	3420	0.31%	0.027%
41	5.366	5.360	5.376	VV	133	796	0.07%	0.006%
42	5.385	5.376	5.405	VV	99	1392	0.12%	0.011%
43	5.413	5.405	5.447	VV	153	2445	0.22%	0.019%
44	5.479	5.447	5.513	VV	322	7879	0.71%	0.062%
45	5.517	5.513	5.546	VV	215	2832	0.25%	0.022%
46	5.548	5.546	5.551	VV	149	321	0.03%	0.003%
47	5.558	5.551	5.584	VV	168	1711	0.15%	0.013%
48	5.587	5.584	5.597	VV	125	479	0.04%	0.004%
49	5.602	5.597	5.617	VV	101	767	0.07%	0.006%
50	5.644	5.617	5.661	VV	675	8781	0.79%	0.069%
51	5.678	5.661	5.699	VV	397	5157	0.46%	0.040%
52	5.733	5.699	5.743	VV	238	3672	0.33%	0.029%
53	5.747	5.743	5.751	VV	174	759	0.07%	0.006%
54	5.756	5.751	5.759	VV	206	776	0.07%	0.006%
55	5.770	5.759	5.777	VV	221	1991	0.18%	0.016%
56	5.783	5.777	5.788	VV	192	1076	0.10%	0.008%
57	5.800	5.788	5.804	VV	240	1733	0.16%	0.014%
58	5.821	5.804	5.836	VV	372	5238	0.47%	0.041%
59	5.840	5.836	5.860	VV	336	3613	0.32%	0.028%
60	5.863	5.860	5.866	VV	250	761	0.07%	0.006%
61	5.876	5.866	5.890	VV	346	3343	0.30%	0.026%
62	5.894	5.890	5.899	VV	273	1098	0.10%	0.009%
63	5.906	5.899	5.923	VV	277	2947	0.26%	0.023%
64	5.938	5.923	5.982	VV	385	9709	0.87%	0.076%
65	5.989	5.982	6.002	VV	267	2675	0.24%	0.021%
66	6.005	6.002	6.012	VV	240	1245	0.11%	0.010%
67	6.016	6.012	6.024	VV	231	1351	0.12%	0.011%
68	6.028	6.024	6.061	VV	205	3562	0.32%	0.028%
69	6.066	6.061	6.081	VV	206	1324	0.12%	0.010%
70	6.086	6.081	6.090	VV	103	464	0.04%	0.004%
71	6.094	6.090	6.102	PV	119	437	0.04%	0.003%
72	6.123	6.102	6.138	VV	165	2365	0.21%	0.018%
73	6.143	6.138	6.155	VV	104	768	0.07%	0.006%
74	6.167	6.155	6.182	VV	208	2320	0.21%	0.018%
75	6.185	6.182	6.193	VV	188	931	0.08%	0.007%
76	6.211	6.193	6.217	VV	214	2048	0.18%	0.016%
77	6.222	6.217	6.228	VV	281	1516	0.14%	0.012%
78	6.252	6.228	6.263	VV	503	8508	0.76%	0.066%
79	6.268	6.263	6.275	VV	416	2771	0.25%	0.022%
80	6.285	6.275	6.292	VV	378	3433	0.31%	0.027%
81	6.301	6.292	6.338	VV	420	10158	0.91%	0.079%
82	6.362	6.338	6.372	VV	394	6792	0.61%	0.053%
83	6.391	6.372	6.420	VV	729	12978	1.16%	0.101%
84	6.424	6.420	6.430	VV	266	1405	0.13%	0.011%
85	6.455	6.430	6.460	VV	288	4440	0.40%	0.035%
86	6.472	6.460	6.479	VV	336	3021	0.27%	0.024%
87	6.489	6.479	6.514	VV	304	4568	0.41%	0.036%
88	6.549	6.514	6.555	VV	479	7877	0.71%	0.062%
89	6.567	6.555	6.577	VV	545	5806	0.52%	0.045%

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90	6.581	6.577	6.593	VV	322	2672	0.24%	0.021%
91	6.601	6.593	6.660	VV	322	7051	0.63%	0.055%
92	6.679	6.660	6.697	VV	543	6686	0.60%	0.052%
93	6.700	6.697	6.707	VV	248	1113	0.10%	0.009%
94	6.711	6.707	6.725	VV	163	1376	0.12%	0.011%
95	6.758	6.725	6.782	PV	245	4848	0.44%	0.038%
96	6.801	6.782	6.811	VV	184	2048	0.18%	0.016%
97	6.835	6.811	6.849	VV	451	6650	0.60%	0.052%
98	6.863	6.849	6.887	VV	326	5432	0.49%	0.042%
99	6.892	6.887	6.912	VV	252	2237	0.20%	0.017%
100	6.930	6.912	6.949	VV	265	3537	0.32%	0.028%
101	6.967	6.949	6.994	VV	264	4710	0.42%	0.037%
102	7.006	6.994	7.020	VV	204	2447	0.22%	0.019%
103	7.023	7.020	7.028	VV	162	688	0.06%	0.005%
104	7.038	7.028	7.058	VV	185	2224	0.20%	0.017%
105	7.088	7.058	7.116	PV	317	4344	0.39%	0.034%
106	7.137	7.116	7.162	VV	186	3232	0.29%	0.025%
107	7.172	7.162	7.181	VV	281	2248	0.20%	0.018%
108	7.213	7.181	7.224	VV	410	7749	0.70%	0.061%
109	7.256	7.224	7.287	VV	543	15297	1.37%	0.120%
110	7.304	7.287	7.322	VV	471	7813	0.70%	0.061%
111	7.334	7.322	7.360	VV	475	8694	0.78%	0.068%
112	7.361	7.360	7.376	VV	452	3450	0.31%	0.027%
113	7.402	7.376	7.433	VV	739	15385	1.38%	0.120%
114	7.440	7.433	7.446	VV	211	1286	0.12%	0.010%
115	7.462	7.446	7.487	VV	460	7295	0.65%	0.057%
116	7.504	7.487	7.515	VV	417	5161	0.46%	0.040%
117	7.519	7.515	7.542	VV	379	4234	0.38%	0.033%
118	7.548	7.542	7.560	VV	219	1913	0.17%	0.015%
119	7.576	7.560	7.596	VV	296	4421	0.40%	0.035%
120	7.632	7.596	7.648	VV	869	13432	1.21%	0.105%
121	7.653	7.648	7.658	VV	279	1519	0.14%	0.012%
122	7.661	7.658	7.667	VV	290	1364	0.12%	0.011%
123	7.672	7.667	7.677	VV	263	1484	0.13%	0.012%
124	7.686	7.677	7.703	VV	308	3988	0.36%	0.031%
125	7.707	7.703	7.734	VV	317	3319	0.30%	0.026%
126	7.742	7.734	7.750	VV	241	1759	0.16%	0.014%
127	7.757	7.750	7.766	VV	204	1611	0.14%	0.013%
128	7.769	7.766	7.785	VV	177	1621	0.15%	0.013%
129	7.807	7.785	7.828	VV	441	6246	0.56%	0.049%
130	7.855	7.828	7.862	VV	181	2326	0.21%	0.018%
131	7.870	7.862	7.874	VV	167	817	0.07%	0.006%
132	7.911	7.874	7.987	PV	3467	49711	4.46%	0.388%
133	8.000	7.987	8.015	VV	324	3927	0.35%	0.031%
134	8.024	8.015	8.028	VV	247	1533	0.14%	0.012%
135	8.084	8.028	8.134	VV	4094	63387	5.69%	0.495%
136	8.161	8.134	8.186	VV	304	7513	0.67%	0.059%
137	8.204	8.186	8.215	VV	424	5286	0.47%	0.041%
138	8.239	8.215	8.257	VV	1015	14912	1.34%	0.117%
139	8.262	8.257	8.288	VV	543	6868	0.62%	0.054%
140	8.331	8.288	8.364	VV	772	18364	1.65%	0.144%
141	8.382	8.364	8.404	VV	488	9398	0.84%	0.073%

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142	8.422	8.404	8.427	VV	646	7101	0.64%	0.055%
143	8.444	8.427	8.463	VV	751	12923	1.16%	0.101%
144	8.483	8.463	8.493	VV	820	11751	1.05%	0.092%
145	8.514	8.493	8.567	VV	1901	36120	3.24%	0.282%
146	8.587	8.567	8.604	VV	468	9228	0.83%	0.072%
147	8.632	8.604	8.653	VV	1709	35056	3.15%	0.274%
148	8.665	8.653	8.716	VV	1786	34398	3.09%	0.269%
149	8.726	8.716	8.733	VV	437	4221	0.38%	0.033%
150	8.738	8.733	8.747	VV	408	3166	0.28%	0.025%
151	8.765	8.747	8.825	VV	507	12758	1.14%	0.100%
152	8.841	8.825	8.856	VV	243	3279	0.29%	0.026%
153	8.871	8.856	8.884	VV	465	5983	0.54%	0.047%
154	8.898	8.884	8.911	VV	530	7476	0.67%	0.058%
155	8.930	8.911	8.955	VV	1182	23287	2.09%	0.182%
156	8.966	8.955	8.985	VV	1125	14270	1.28%	0.112%
157	9.006	8.985	9.015	VV	850	12164	1.09%	0.095%
158	9.033	9.015	9.043	VV	1076	14439	1.30%	0.113%
159	9.056	9.043	9.095	VV	1011	16726	1.50%	0.131%
160	9.102	9.095	9.112	VV	346	2629	0.24%	0.021%
161	9.134	9.112	9.153	VV	612	9350	0.84%	0.073%
162	9.164	9.153	9.182	VV	501	7152	0.64%	0.056%
163	9.188	9.182	9.197	VV	414	3220	0.29%	0.025%
164	9.203	9.197	9.221	VV	422	4699	0.42%	0.037%
165	9.257	9.221	9.296	VV	960	29109	2.61%	0.227%
166	9.301	9.296	9.323	VV	493	6107	0.55%	0.048%
167	9.345	9.323	9.367	VV	1263	18761	1.68%	0.147%
168	9.388	9.367	9.413	VV	648	12606	1.13%	0.099%
169	9.422	9.413	9.457	VV	347	4691	0.42%	0.037%
170	9.466	9.457	9.473	PV	172	675	0.06%	0.005%
171	9.496	9.473	9.510	VV	402	4706	0.42%	0.037%
172	9.540	9.510	9.562	VV	557	9624	0.86%	0.075%
173	9.589	9.562	9.607	VV	252	4635	0.42%	0.036%
174	9.641	9.607	9.665	VV	513	10518	0.94%	0.082%
175	9.728	9.665	9.774	VV	2052	53677	4.82%	0.419%
176	9.798	9.774	9.828	VV	897	19869	1.78%	0.155%
177	9.842	9.828	9.861	VV	446	7275	0.65%	0.057%
178	9.874	9.861	9.892	VV	731	10314	0.93%	0.081%
179	9.898	9.892	9.917	VV	533	5555	0.50%	0.043%
180	9.958	9.917	9.973	VV	963	16313	1.46%	0.127%
181	9.997	9.973	10.111	VV	58486	1109682	99.58%	8.672%
182	10.124	10.111	10.217	VV	3470	120469	10.81%	0.941%
183	10.235	10.217	10.277	VV	1307	32252	2.89%	0.252%
184	10.282	10.277	10.348	VV	670	21181	1.90%	0.166%
185	10.361	10.348	10.389	VV	340	5624	0.50%	0.044%
186	10.399	10.389	10.414	VV	253	2247	0.20%	0.018%
187	10.422	10.414	10.431	VV	202	1253	0.11%	0.010%
188	10.469	10.431	10.505	VV	13327	182579	16.38%	1.427%
189	10.512	10.505	10.540	VV	1463	22975	2.06%	0.180%
190	10.546	10.540	10.562	VV	747	8711	0.78%	0.068%
191	10.578	10.562	10.595	VV	791	12635	1.13%	0.099%
192	10.612	10.595	10.633	VV	718	13404	1.20%	0.105%
193	10.658	10.633	10.685	VV	917	17899	1.61%	0.140%
194	10.689	10.685	10.702	VV	450	3513	0.32%	0.027%

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195	10.728	10.702	10.739	VV	622	10650	0.96%	0.083%
196	10.750	10.739	10.771	VV	636	9980	0.90%	0.078%
197	10.794	10.771	10.812	VV	674	11987	1.08%	0.094%
198	10.830	10.812	10.842	VV	719	10436	0.94%	0.082%
199	10.868	10.842	10.912	VV	1473	32004	2.87%	0.250%
200	10.940	10.912	10.985	VV	2016	41341	3.71%	0.323%
201	10.997	10.985	11.019	VV	496	8488	0.76%	0.066%
202	11.035	11.019	11.044	VV	240	2863	0.26%	0.022%
203	11.081	11.044	11.085	VV	255	4187	0.38%	0.033%
204	11.133	11.085	11.195	VV	12462	251398	22.56%	1.965%
205	11.219	11.195	11.288	VV	3980	114393	10.26%	0.894%
206	11.297	11.288	11.320	VV	794	12440	1.12%	0.097%
207	11.323	11.320	11.366	VV	588	9893	0.89%	0.077%
208	11.373	11.366	11.385	VV	311	2464	0.22%	0.019%
209	11.391	11.385	11.422	VV	217	2505	0.22%	0.020%
210	11.443	11.422	11.455	PV	366	4411	0.40%	0.034%
211	11.460	11.455	11.470	VV	358	2492	0.22%	0.019%
212	11.502	11.470	11.523	VV	541	12152	1.09%	0.095%
213	11.535	11.523	11.540	VV	521	4264	0.38%	0.033%
214	11.573	11.540	11.605	VV	1439	24578	2.21%	0.192%
215	11.623	11.605	11.628	VV	331	3193	0.29%	0.025%
216	11.657	11.628	11.697	VV	2454	47701	4.28%	0.373%
217	11.699	11.697	11.717	VV	162	1216	0.11%	0.010%
218	11.732	11.717	11.747	VV	705	8333	0.75%	0.065%
219	11.766	11.747	11.788	VV	838	11806	1.06%	0.092%
220	11.805	11.788	11.832	VV	409	6857	0.62%	0.054%
221	11.861	11.832	11.889	VV	777	16205	1.45%	0.127%
222	11.894	11.889	11.903	VV	264	1494	0.13%	0.012%
223	11.906	11.903	11.911	VV	169	568	0.05%	0.004%
224	11.940	11.911	11.957	PV	2400	33665	3.02%	0.263%
225	11.974	11.957	12.024	VV	2812	73267	6.57%	0.573%
226	12.050	12.024	12.077	VV	5085	88485	7.94%	0.692%
227	12.087	12.077	12.103	VV	2162	28933	2.60%	0.226%
228	12.121	12.103	12.177	VV	2286	44843	4.02%	0.350%
229	12.183	12.177	12.204	VV	361	3228	0.29%	0.025%
230	12.245	12.204	12.272	VV	1620	27708	2.49%	0.217%
231	12.286	12.272	12.296	PV	402	3197	0.29%	0.025%
232	12.302	12.296	12.307	VV	291	1471	0.13%	0.011%
233	12.343	12.307	12.367	VV	1267	25591	2.30%	0.200%
234	12.370	12.367	12.402	VV	780	10951	0.98%	0.086%
235	12.419	12.402	12.439	VV	1184	19970	1.79%	0.156%
236	12.443	12.439	12.467	VV	985	13101	1.18%	0.102%
237	12.502	12.467	12.555	VV	24413	314157	28.19%	2.455%
238	12.565	12.555	12.582	VV	1197	16786	1.51%	0.131%
239	12.600	12.582	12.648	VV	1574	41379	3.71%	0.323%
240	12.664	12.648	12.679	VV	937	13676	1.23%	0.107%
241	12.691	12.679	12.714	VV	835	13541	1.22%	0.106%
242	12.732	12.714	12.782	VV	1197	25456	2.28%	0.199%
243	12.785	12.782	12.788	VV	154	301	0.03%	0.002%
244	12.814	12.788	12.823	PV	2050	26380	2.37%	0.206%
245	12.837	12.823	12.862	VV	3227	48838	4.38%	0.382%
246	12.888	12.862	12.927	VV	2338	59256	5.32%	0.463%

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247	12.955	12.927	13.029	VV	43714	662719	59.47%	5.179%
248	13.032	13.029	13.067	VV	775	11276	1.01%	0.088%
249	13.100	13.067	13.117	VV	913	17386	1.56%	0.136%
250	13.122	13.117	13.131	VV	741	5253	0.47%	0.041%
251	13.147	13.131	13.167	VV	1826	24761	2.22%	0.194%
252	13.175	13.167	13.195	VV	773	9783	0.88%	0.076%
253	13.213	13.195	13.227	VV	739	10423	0.94%	0.081%
254	13.253	13.227	13.299	VV	34573	514237	46.14%	4.019%
255	13.314	13.299	13.335	VV	4182	66503	5.97%	0.520%
256	13.354	13.335	13.416	VV	3600	84534	7.59%	0.661%
257	13.441	13.416	13.480	VV	1235	27652	2.48%	0.216%
258	13.502	13.480	13.517	VV	1836	23035	2.07%	0.180%
259	13.539	13.517	13.572	VV	1991	42897	3.85%	0.335%
260	13.589	13.572	13.615	VV	1133	18950	1.70%	0.148%
261	13.631	13.615	13.641	VV	557	7023	0.63%	0.055%
262	13.667	13.641	13.691	VV	1302	25804	2.32%	0.202%
263	13.723	13.691	13.755	VV	2692	54717	4.91%	0.428%
264	13.760	13.755	13.795	VV	871	10429	0.94%	0.081%
265	13.856	13.795	13.904	PV	6178	140967	12.65%	1.102%
266	13.914	13.904	13.933	VV	1335	17406	1.56%	0.136%
267	13.961	13.933	13.984	VV	4303	70107	6.29%	0.548%
268	14.001	13.984	14.020	VV	3555	56051	5.03%	0.438%
269	14.036	14.020	14.067	VV	2410	45523	4.08%	0.356%
270	14.089	14.067	14.105	VV	3340	53442	4.80%	0.418%
271	14.127	14.105	14.154	VV	3465	69883	6.27%	0.546%
272	14.172	14.154	14.188	VV	2287	30147	2.71%	0.236%
273	14.203	14.188	14.258	VV	2100	46643	4.19%	0.365%
274	14.263	14.258	14.272	VV	355	1612	0.14%	0.013%
275	14.274	14.272	14.277	VV	157	306	0.03%	0.002%
276	14.300	14.277	14.312	PV	904	13355	1.20%	0.104%
277	14.319	14.312	14.343	VV	844	10618	0.95%	0.083%
278	14.347	14.343	14.351	VV	432	1723	0.15%	0.013%
279	14.356	14.351	14.376	VV	635	5514	0.49%	0.043%
280	14.389	14.376	14.416	VV	587	7278	0.65%	0.057%
281	14.451	14.416	14.467	PV	916	11684	1.05%	0.091%
282	14.491	14.467	14.528	VV	2579	52428	4.70%	0.410%
283	14.568	14.528	14.573	VV	1432	26948	2.42%	0.211%
284	14.594	14.573	14.630	VV	2745	54992	4.93%	0.430%
285	14.654	14.630	14.684	VV	3001	58701	5.27%	0.459%
286	14.706	14.684	14.738	VV	1942	43912	3.94%	0.343%
287	14.742	14.738	14.746	VV	626	2727	0.24%	0.021%
288	14.778	14.746	14.805	VV	3442	68343	6.13%	0.534%
289	14.832	14.805	14.876	VV	4879	100746	9.04%	0.787%
290	14.895	14.876	14.929	VV	2363	50103	4.50%	0.392%
291	14.944	14.929	14.955	VV	1765	21996	1.97%	0.172%
292	14.992	14.955	15.029	VV	81724	1114405	100.00%	8.709%
293	15.036	15.029	15.076	VV	1445	25184	2.26%	0.197%
294	15.079	15.076	15.093	VV	468	3158	0.28%	0.025%
295	15.118	15.093	15.123	VV	1928	20297	1.82%	0.159%
296	15.147	15.123	15.167	VV	19530	278852	25.02%	2.179%
297	15.188	15.167	15.260	VV	20942	425168	38.15%	3.323%
298	15.307	15.260	15.333	VV	4614	96679	8.68%	0.756%
299	15.351	15.333	15.414	VV	2091	52195	4.68%	0.408%

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300	15.475	15.414	15.480	PV	1793	38753	3.48%	0.303%
301	15.498	15.480	15.526	VV	2510	51803	4.65%	0.405%
302	15.530	15.526	15.551	VV	1434	13454	1.21%	0.105%
303	15.580	15.551	15.650	VV	32190	672005	60.30%	5.252%
304	15.657	15.650	15.686	VV	1838	19241	1.73%	0.150%
305	15.717	15.686	15.755	PV	5138	103672	9.30%	0.810%
306	15.779	15.755	15.797	VV	1629	26010	2.33%	0.203%
307	15.825	15.797	15.895	VV	5824	162683	14.60%	1.271%
308	15.916	15.895	15.922	VV	1498	16993	1.52%	0.133%
309	15.928	15.922	15.947	VV	1664	18750	1.68%	0.147%
310	15.987	15.947	16.022	VV	4073	110513	9.92%	0.864%
311	16.036	16.022	16.043	VV	1584	15219	1.37%	0.119%
312	16.054	16.043	16.066	VV	1892	18840	1.69%	0.147%
313	16.069	16.066	16.085	VV	1380	9066	0.81%	0.071%
314	16.101	16.085	16.144	VV	2243	44210	3.97%	0.345%
315	16.161	16.144	16.183	VV	1743	27427	2.46%	0.214%
316	16.220	16.183	16.248	VV	4775	89100	8.00%	0.696%
317	16.251	16.248	16.280	VV	2584	39712	3.56%	0.310%
318	16.284	16.280	16.312	VV	1978	26228	2.35%	0.205%
319	16.321	16.312	16.335	VV	1226	11141	1.00%	0.087%
320	16.344	16.335	16.351	PV	941	6693	0.60%	0.052%
321	16.355	16.351	16.375	VV	952	8688	0.78%	0.068%
322	16.406	16.375	16.411	VV	2425	25047	2.25%	0.196%
323	16.428	16.411	16.447	VV	2573	40031	3.59%	0.313%
324	16.516	16.447	16.550	PV	4218	117357	10.53%	0.917%
325	16.559	16.550	16.566	VV	1088	7650	0.69%	0.060%
326	16.605	16.566	16.662	VV	5437	149138	13.38%	1.165%
327	16.671	16.662	16.676	VV	1252	9483	0.85%	0.074%
328	16.713	16.676	16.733	VV	29070	436971	39.21%	3.415%
329	16.744	16.733	16.774	VV	10717	165505	14.85%	1.293%
330	16.780	16.774	16.804	VV	2923	39074	3.51%	0.305%
331	16.848	16.804	16.873	VV	6405	140868	12.64%	1.101%
332	16.883	16.873	16.893	VV	2253	22265	2.00%	0.174%
333	16.907	16.893	16.914	VV	2546	22608	2.03%	0.177%
334	16.920	16.914	16.934	VV	1843	15773	1.42%	0.123%
335	16.938	16.934	16.945	VV	782	4930	0.44%	0.039%
336	16.999	16.945	17.012	PV	6108	107367	9.63%	0.839%
337	17.037	17.012	17.073	VV	15465	264994	23.78%	2.071%
338	17.100	17.073	17.144	VV	17461	304900	27.36%	2.383%
339	17.148	17.144	17.154	VV	3377	17026	1.53%	0.133%
340	17.199	17.154	17.235	VV	9359	250945	22.52%	1.961%
341	17.239	17.235	17.245	VV	2696	12968	1.16%	0.101%
342	17.254	17.245	17.262	VV	2175	18421	1.65%	0.144%
343	17.265	17.262	17.285	VV	2052	19158	1.72%	0.150%
344	17.291	17.285	17.295	VV	1206	6390	0.57%	0.050%
345	17.303	17.295	17.314	VV	1406	10319	0.93%	0.081%
346	17.346	17.314	17.350	PV	3080	31880	2.86%	0.249%
347	17.360	17.350	17.367	VV	2960	21626	1.94%	0.169%
348	17.372	17.367	17.388	VV	2201	14414	1.29%	0.113%

Sum of corrected areas: 12796071

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051325\
Data File : FG015837.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 23:14
Operator : YP\AJ
Sample : Q2010-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-13

Integration File: autoint1.e
Quant Time: May 14 03:57:36 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	1281687	10.886 ug/ml
Target Compounds			

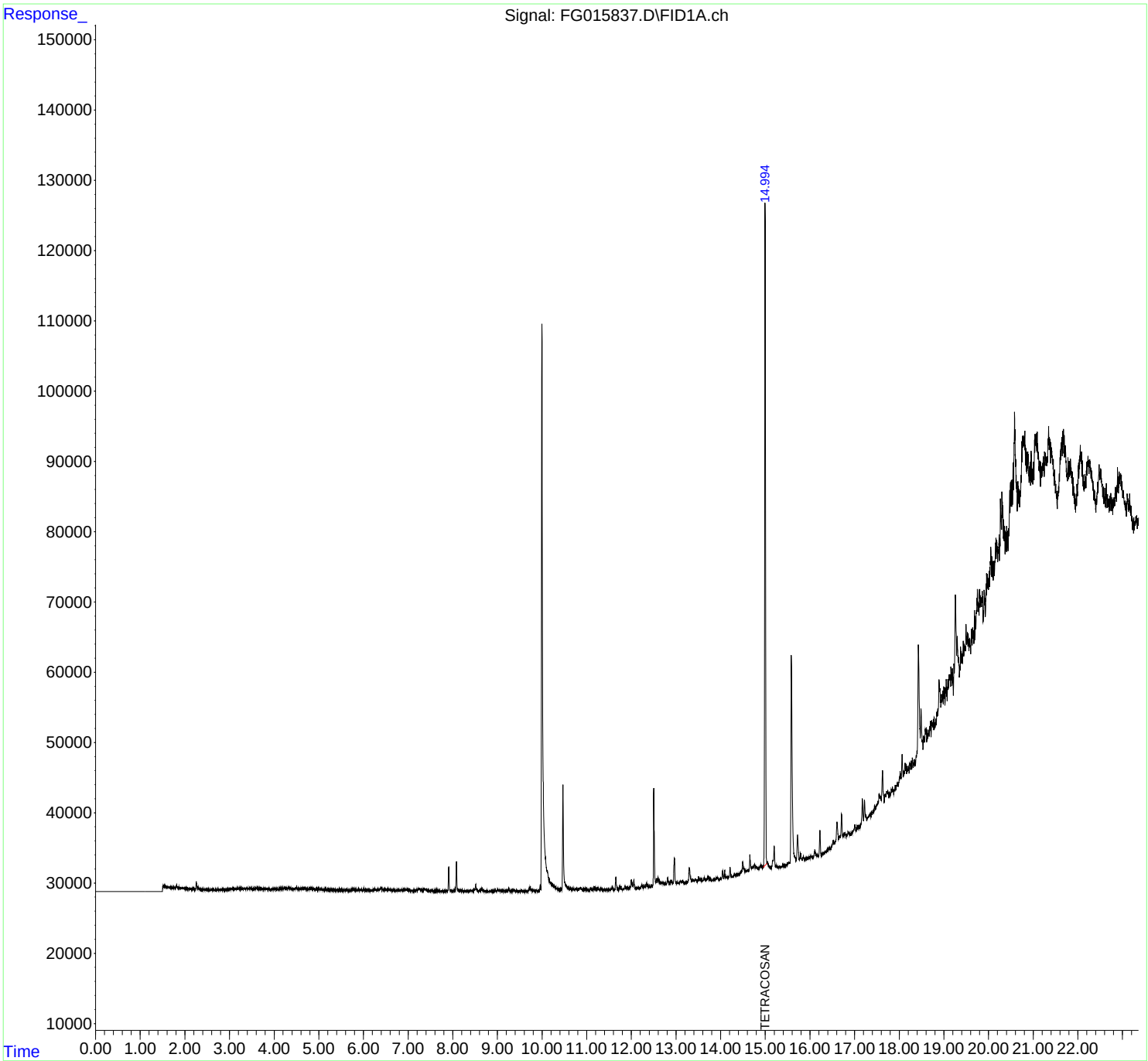
(f)=RT Delta > 1/2 Window (m)=manual int.

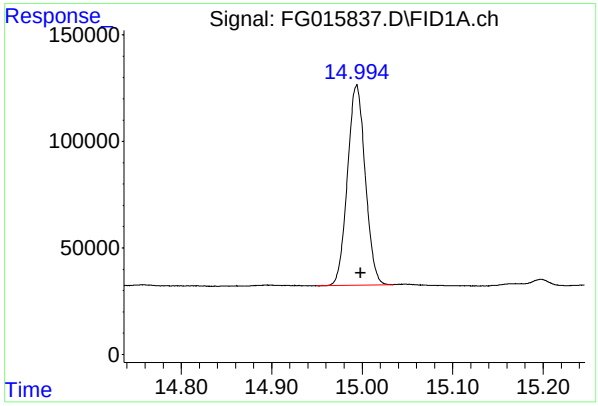
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051325\
Data File : FG015837.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 23:14
Operator : YP\AJ
Sample : Q2010-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-13

Integration File: autoint1.e
Quant Time: May 14 03:57:36 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.: 14.994 min
Delta R.T.: -0.004 mi
Response: 1281687
Conc: 10.89 ug/m

Instrument :
FID_G
ClientSampleId :
TP-13

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051325\
Data File : FG015837.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 23:14
Sample : Q2010-02
Misc :
ALS Vial : 34 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	4.318	4.300	4.354	BV	198	2942	0.18%	0.046%
2	4.360	4.354	4.381	VV	124	801	0.05%	0.013%
3	4.387	4.381	4.404	VV	57	540	0.03%	0.008%
4	4.407	4.404	4.411	VV	86	211	0.01%	0.003%
5	4.418	4.411	4.433	PV	66	557	0.03%	0.009%
6	4.434	4.433	4.450	VV	80	473	0.03%	0.007%
7	4.456	4.450	4.463	VV	97	451	0.03%	0.007%
8	4.466	4.463	4.471	VV	83	283	0.02%	0.004%
9	4.475	4.471	4.480	PV	86	329	0.02%	0.005%
10	4.494	4.480	4.514	VV	297	3200	0.20%	0.050%
11	4.518	4.514	4.528	VV	141	899	0.06%	0.014%
12	4.532	4.528	4.540	VV	133	721	0.05%	0.011%
13	4.543	4.540	4.562	VV	141	1165	0.07%	0.018%
14	4.576	4.562	4.584	VV	153	1277	0.08%	0.020%
15	4.588	4.584	4.606	VV	194	1004	0.06%	0.016%
16	4.619	4.606	4.642	PV	234	3096	0.19%	0.049%
17	4.643	4.642	4.651	VV	196	376	0.02%	0.006%
18	4.671	4.651	4.692	VV	320	4742	0.30%	0.075%
19	4.695	4.692	4.703	VV	130	560	0.04%	0.009%
20	4.705	4.703	4.728	VV	149	1489	0.09%	0.023%
21	4.749	4.728	4.763	VV	149	1812	0.11%	0.028%
22	4.769	4.763	4.775	VV	153	656	0.04%	0.010%
23	4.781	4.775	4.817	VV	148	2561	0.16%	0.040%
24	4.830	4.817	4.836	VV	191	1607	0.10%	0.025%
25	4.843	4.836	4.887	VV	201	3982	0.25%	0.063%
26	4.899	4.887	4.914	VV	142	1730	0.11%	0.027%
27	4.919	4.914	4.928	VV	132	862	0.05%	0.014%
28	4.934	4.928	4.939	VV	168	813	0.05%	0.013%
29	4.943	4.939	4.949	VV	158	630	0.04%	0.010%
30	4.990	4.949	5.036	VV	172	5489	0.34%	0.086%
31	5.042	5.036	5.054	VV	140	907	0.06%	0.014%
32	5.057	5.054	5.061	VV	113	319	0.02%	0.005%
33	5.067	5.061	5.101	VV	134	1602	0.10%	0.025%
34	5.123	5.101	5.130	VV	141	1211	0.08%	0.019%
35	5.165	5.130	5.179	VV	258	3483	0.22%	0.055%
36	5.183	5.179	5.192	VV	155	734	0.05%	0.012%

rteres

37	5.200	5.192	5.207	VV	129	761	0.05%	0.012%
38	5.210	5.207	5.219	VV	65	495	0.03%	0.008%
39	5.231	5.219	5.240	VV	107	883	0.06%	0.014%
40	5.242	5.240	5.255	VV	116	444	0.03%	0.007%
41	5.261	5.255	5.281	VV	92	693	0.04%	0.011%
42	5.287	5.281	5.295	VV	82	359	0.02%	0.006%
43	5.306	5.295	5.312	VV	68	344	0.02%	0.005%
44	5.331	5.312	5.354	PV	141	1792	0.11%	0.028%
45	5.356	5.354	5.359	VV	97	213	0.01%	0.003%
46	5.362	5.359	5.374	VV	101	577	0.04%	0.009%
47	5.376	5.374	5.378	VV	78	152	0.01%	0.002%
48	5.387	5.378	5.394	VV	96	602	0.04%	0.009%
49	5.395	5.394	5.419	VV	106	838	0.05%	0.013%
50	5.422	5.419	5.425	VV	71	229	0.01%	0.004%
51	5.429	5.425	5.447	VV	111	851	0.05%	0.013%
52	5.454	5.447	5.460	VV	126	726	0.05%	0.011%
53	5.464	5.460	5.504	VV	158	3011	0.19%	0.047%
54	5.512	5.504	5.552	VV	146	1767	0.11%	0.028%
55	5.556	5.552	5.564	VV	116	405	0.03%	0.006%
56	5.574	5.564	5.578	VV	150	620	0.04%	0.010%
57	5.583	5.578	5.603	VV	115	1169	0.07%	0.018%
58	5.607	5.603	5.611	VV	58	261	0.02%	0.004%
59	5.621	5.611	5.626	VV	104	520	0.03%	0.008%
60	5.640	5.626	5.648	VV	130	1134	0.07%	0.018%
61	5.661	5.648	5.669	VV	107	932	0.06%	0.015%
62	5.676	5.669	5.687	PV	105	478	0.03%	0.008%
63	5.690	5.687	5.713	VV	102	830	0.05%	0.013%
64	5.733	5.713	5.763	VV	179	4010	0.25%	0.063%
65	5.768	5.763	5.775	VV	175	984	0.06%	0.015%
66	5.791	5.775	5.820	VV	210	4426	0.28%	0.070%
67	5.826	5.820	5.835	VV	232	1609	0.10%	0.025%
68	5.844	5.835	5.860	VV	214	2314	0.14%	0.036%
69	5.876	5.860	5.880	VV	269	2052	0.13%	0.032%
70	5.886	5.880	5.914	VV	268	3465	0.22%	0.054%
71	5.919	5.914	5.934	VV	169	1662	0.10%	0.026%
72	5.940	5.934	5.960	VV	167	2030	0.13%	0.032%
73	5.977	5.960	5.989	VV	191	1854	0.12%	0.029%
74	5.993	5.989	6.000	VV	131	638	0.04%	0.010%
75	6.009	6.000	6.074	VV	225	4156	0.26%	0.065%
76	6.086	6.074	6.092	VV	148	1051	0.07%	0.017%
77	6.113	6.092	6.148	VV	159	3005	0.19%	0.047%
78	6.153	6.148	6.171	VV	120	1031	0.06%	0.016%
79	6.176	6.171	6.183	VV	123	681	0.04%	0.011%
80	6.188	6.183	6.197	VV	179	765	0.05%	0.012%
81	6.214	6.197	6.229	VV	242	2796	0.18%	0.044%
82	6.241	6.229	6.267	VV	237	3925	0.25%	0.062%
83	6.279	6.267	6.284	VV	284	1912	0.12%	0.030%
84	6.287	6.284	6.291	VV	199	665	0.04%	0.010%
85	6.301	6.291	6.305	VV	197	1494	0.09%	0.023%
86	6.318	6.305	6.348	VV	264	5451	0.34%	0.086%
87	6.394	6.348	6.416	VV	507	11932	0.75%	0.188%
88	6.421	6.416	6.464	VV	278	5867	0.37%	0.092%
89	6.468	6.464	6.473	VV	266	1243	0.08%	0.020%

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90	6.481	6.473	6.486	VV	252	1723	0.11%	0.027%
91	6.488	6.486	6.492	VV	193	752	0.05%	0.012%
92	6.495	6.492	6.504	VV	245	1418	0.09%	0.022%
93	6.535	6.504	6.559	VV	290	7136	0.45%	0.112%
94	6.564	6.559	6.587	VV	329	3878	0.24%	0.061%
95	6.591	6.587	6.603	VV	137	1290	0.08%	0.020%
96	6.612	6.603	6.629	VV	205	1864	0.12%	0.029%
97	6.632	6.629	6.659	VV	146	1889	0.12%	0.030%
98	6.676	6.659	6.687	VV	215	2354	0.15%	0.037%
99	6.690	6.687	6.724	VV	142	2129	0.13%	0.033%
100	6.749	6.724	6.762	VV	188	2205	0.14%	0.035%
101	6.767	6.762	6.790	VV	120	1748	0.11%	0.027%
102	6.796	6.790	6.804	VV	158	1022	0.06%	0.016%
103	6.820	6.804	6.834	VV	195	2558	0.16%	0.040%
104	6.855	6.834	6.866	VV	229	3427	0.21%	0.054%
105	6.871	6.866	6.882	VV	192	1646	0.10%	0.026%
106	6.894	6.882	6.902	VV	234	2293	0.14%	0.036%
107	6.911	6.902	6.939	VV	269	4290	0.27%	0.067%
108	6.957	6.939	7.002	VV	283	7281	0.46%	0.114%
109	7.012	7.002	7.054	VV	173	3964	0.25%	0.062%
110	7.059	7.054	7.092	VV	158	2325	0.15%	0.037%
111	7.097	7.092	7.103	VV	108	470	0.03%	0.007%
112	7.107	7.103	7.117	VV	133	676	0.04%	0.011%
113	7.119	7.117	7.124	VV	150	389	0.02%	0.006%
114	7.131	7.124	7.137	VV	107	756	0.05%	0.012%
115	7.143	7.137	7.155	VV	165	1262	0.08%	0.020%
116	7.165	7.155	7.174	VV	166	1445	0.09%	0.023%
117	7.234	7.174	7.244	VV	381	9396	0.59%	0.148%
118	7.257	7.244	7.287	VV	392	7891	0.49%	0.124%
119	7.291	7.287	7.312	VV	293	3909	0.24%	0.061%
120	7.316	7.312	7.332	VV	283	2518	0.16%	0.040%
121	7.363	7.332	7.380	VV	332	6639	0.42%	0.104%
122	7.405	7.380	7.442	VV	316	7860	0.49%	0.124%
123	7.452	7.442	7.463	VV	190	1744	0.11%	0.027%
124	7.467	7.463	7.477	VV	186	1102	0.07%	0.017%
125	7.480	7.477	7.500	VV	166	1188	0.07%	0.019%
126	7.522	7.500	7.542	VV	135	2463	0.15%	0.039%
127	7.546	7.542	7.570	VV	145	1872	0.12%	0.029%
128	7.577	7.570	7.593	VV	171	1321	0.08%	0.021%
129	7.609	7.593	7.617	VV	170	1282	0.08%	0.020%
130	7.631	7.617	7.644	VV	292	3181	0.20%	0.050%
131	7.649	7.644	7.653	VV	186	777	0.05%	0.012%
132	7.655	7.653	7.682	VV	209	1681	0.11%	0.026%
133	7.686	7.682	7.690	VV	88	355	0.02%	0.006%
134	7.702	7.690	7.723	VV	166	1816	0.11%	0.029%
135	7.734	7.723	7.739	VV	102	512	0.03%	0.008%
136	7.745	7.739	7.791	PV	74	1195	0.07%	0.019%
137	7.795	7.791	7.817	VV	94	1051	0.07%	0.017%
138	7.819	7.817	7.830	VV	118	521	0.03%	0.008%
139	7.837	7.830	7.859	VV	134	1285	0.08%	0.020%
140	7.911	7.859	7.963	VV	3572	44729	2.80%	0.703%
141	7.967	7.963	7.977	VV	191	1119	0.07%	0.018%

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142	7.985	7.977	7.991	VV	151	1039	0.07%	0.016%
143	7.996	7.991	8.023	VV	155	2136	0.13%	0.034%
144	8.036	8.023	8.040	VV	220	1607	0.10%	0.025%
145	8.084	8.040	8.149	VV	4293	56574	3.54%	0.889%
146	8.170	8.149	8.197	VV	183	3141	0.20%	0.049%
147	8.200	8.197	8.205	VV	130	464	0.03%	0.007%
148	8.209	8.205	8.215	VV	161	596	0.04%	0.009%
149	8.227	8.215	8.259	VV	184	2637	0.17%	0.041%
150	8.263	8.259	8.294	VV	121	1735	0.11%	0.027%
151	8.298	8.294	8.314	VV	116	942	0.06%	0.015%
152	8.327	8.314	8.334	VV	134	921	0.06%	0.014%
153	8.338	8.334	8.358	VV	119	1088	0.07%	0.017%
154	8.419	8.358	8.424	VV	158	3729	0.23%	0.059%
155	8.430	8.424	8.442	VV	169	1700	0.11%	0.027%
156	8.449	8.442	8.467	VV	185	2195	0.14%	0.035%
157	8.484	8.467	8.498	VV	424	5511	0.35%	0.087%
158	8.514	8.498	8.565	VV	1027	17098	1.07%	0.269%
159	8.574	8.565	8.584	VV	164	1148	0.07%	0.018%
160	8.658	8.584	8.699	VV	396	13776	0.86%	0.217%
161	8.708	8.699	8.713	VV	141	797	0.05%	0.013%
162	8.718	8.713	8.737	VV	129	1016	0.06%	0.016%
163	8.758	8.737	8.799	VV	173	3066	0.19%	0.048%
164	8.809	8.799	8.818	VV	93	517	0.03%	0.008%
165	8.845	8.818	8.858	PV	171	1852	0.12%	0.029%
166	8.873	8.858	8.926	VV	251	3869	0.24%	0.061%
167	8.950	8.926	8.979	VV	376	4996	0.31%	0.079%
168	9.006	8.979	9.030	VV	351	7034	0.44%	0.111%
169	9.036	9.030	9.047	VV	218	1959	0.12%	0.031%
170	9.056	9.047	9.074	VV	250	2936	0.18%	0.046%
171	9.078	9.074	9.099	VV	169	1750	0.11%	0.028%
172	9.147	9.099	9.158	VV	225	4641	0.29%	0.073%
173	9.169	9.158	9.189	VV	167	2059	0.13%	0.032%
174	9.205	9.189	9.223	VV	199	2184	0.14%	0.034%
175	9.250	9.223	9.264	VV	445	6979	0.44%	0.110%
176	9.265	9.264	9.302	VV	344	3705	0.23%	0.058%
177	9.308	9.302	9.325	VV	119	1160	0.07%	0.018%
178	9.345	9.325	9.373	VV	434	6959	0.44%	0.109%
179	9.384	9.373	9.424	VV	239	4937	0.31%	0.078%
180	9.434	9.424	9.440	VV	151	910	0.06%	0.014%
181	9.444	9.440	9.473	VV	195	1375	0.09%	0.022%
182	9.483	9.473	9.494	VV	112	723	0.05%	0.011%
183	9.534	9.494	9.565	VV	305	4908	0.31%	0.077%
184	9.582	9.565	9.635	VV	99	2275	0.14%	0.036%
185	9.639	9.635	9.644	VV	121	474	0.03%	0.007%
186	9.648	9.644	9.656	VV	93	452	0.03%	0.007%
187	9.660	9.656	9.676	VV	86	595	0.04%	0.009%
188	9.681	9.676	9.684	VV	62	196	0.01%	0.003%
189	9.730	9.684	9.798	VV	664	22952	1.44%	0.361%
190	9.807	9.798	9.819	VV	261	2508	0.16%	0.039%
191	9.825	9.819	9.832	VV	227	1313	0.08%	0.021%
192	9.849	9.832	9.871	VV	205	3545	0.22%	0.056%
193	9.879	9.871	9.894	VV	196	2000	0.13%	0.031%
194	9.905	9.894	9.921	VV	207	2196	0.14%	0.035%

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195	9.925	9.921	9.930	PV	49	184	0.01%	0.003%
196	9.959	9.930	9.972	VV	917	10965	0.69%	0.172%
197	9.997	9.972	10.222	VV	80545	1596169	100.00%	25.095%
198	10.239	10.222	10.279	VV	1103	28913	1.81%	0.455%
199	10.282	10.279	10.327	VV	722	15348	0.96%	0.241%
200	10.331	10.327	10.334	VV	435	1771	0.11%	0.028%
201	10.338	10.334	10.359	VV	426	5499	0.34%	0.086%
202	10.363	10.359	10.385	VV	338	4590	0.29%	0.072%
203	10.390	10.385	10.393	VV	274	1161	0.07%	0.018%
204	10.407	10.393	10.416	VV	304	3570	0.22%	0.056%
205	10.422	10.416	10.440	VV	286	3487	0.22%	0.055%
206	10.470	10.440	10.571	VV	15078	243025	15.23%	3.821%
207	10.578	10.571	10.601	VV	568	8442	0.53%	0.133%
208	10.605	10.601	10.630	VV	418	5653	0.35%	0.089%
209	10.644	10.630	10.666	VV	439	6629	0.42%	0.104%
210	10.688	10.666	10.707	VV	409	6670	0.42%	0.105%
211	10.752	10.707	10.784	VV	378	11065	0.69%	0.174%
212	10.787	10.784	10.812	VV	267	3586	0.22%	0.056%
213	10.845	10.812	10.856	VV	369	7599	0.48%	0.119%
214	10.869	10.856	10.895	VV	458	7562	0.47%	0.119%
215	10.898	10.895	10.914	VV	214	1775	0.11%	0.028%
216	10.941	10.914	10.965	VV	360	6477	0.41%	0.102%
217	10.968	10.965	10.982	VV	234	2232	0.14%	0.035%
218	10.989	10.982	11.028	VV	317	4883	0.31%	0.077%
219	11.042	11.028	11.057	VV	155	1776	0.11%	0.028%
220	11.061	11.057	11.075	VV	172	1082	0.07%	0.017%
221	11.095	11.075	11.129	VV	319	5766	0.36%	0.091%
222	11.174	11.129	11.205	VV	507	13210	0.83%	0.208%
223	11.211	11.205	11.232	VV	280	3406	0.21%	0.054%
224	11.250	11.232	11.288	VV	371	7306	0.46%	0.115%
225	11.299	11.288	11.319	VV	266	3266	0.20%	0.051%
226	11.324	11.319	11.337	VV	199	1472	0.09%	0.023%
227	11.341	11.337	11.365	VV	151	1854	0.12%	0.029%
228	11.382	11.365	11.397	VV	166	2067	0.13%	0.032%
229	11.401	11.397	11.412	VV	159	752	0.05%	0.012%
230	11.427	11.412	11.442	VV	116	1089	0.07%	0.017%
231	11.444	11.442	11.450	VV	111	311	0.02%	0.005%
232	11.456	11.450	11.482	VV	94	1360	0.09%	0.021%
233	11.493	11.482	11.499	PV	119	766	0.05%	0.012%
234	11.505	11.499	11.516	VV	120	775	0.05%	0.012%
235	11.549	11.516	11.556	VV	211	2530	0.16%	0.040%
236	11.575	11.556	11.606	VV	452	6528	0.41%	0.103%
237	11.620	11.606	11.625	VV	125	1042	0.07%	0.016%
238	11.655	11.625	11.695	VV	1866	26328	1.65%	0.414%
239	11.699	11.695	11.712	VV	121	649	0.04%	0.010%
240	11.735	11.712	11.753	VV	530	6014	0.38%	0.095%
241	11.770	11.753	11.801	VV	510	6680	0.42%	0.105%
242	11.816	11.801	11.820	VV	95	446	0.03%	0.007%
243	11.826	11.820	11.832	PV	137	519	0.03%	0.008%
244	11.862	11.832	11.912	VV	391	10669	0.67%	0.168%
245	11.927	11.912	11.946	VV	270	2721	0.17%	0.043%
246	11.968	11.946	11.975	VV	277	3305	0.21%	0.052%

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247	12.000	11.975	12.037	VV	1284	27058	1.70%	0.425%
248	12.058	12.037	12.086	VV	1205	17540	1.10%	0.276%
249	12.089	12.086	12.117	VV	170	1548	0.10%	0.024%
250	12.132	12.117	12.159	VV	140	1616	0.10%	0.025%
251	12.181	12.159	12.185	PV	140	1086	0.07%	0.017%
252	12.191	12.185	12.200	VV	63	480	0.03%	0.008%
253	12.229	12.200	12.233	VV	320	3306	0.21%	0.052%
254	12.250	12.233	12.276	VV	463	6350	0.40%	0.100%
255	12.282	12.276	12.310	VV	391	5083	0.32%	0.080%
256	12.312	12.310	12.319	VV	282	1213	0.08%	0.019%
257	12.340	12.319	12.364	VV	756	11342	0.71%	0.178%
258	12.367	12.364	12.425	VV	282	6367	0.40%	0.100%
259	12.451	12.425	12.471	PV	383	4971	0.31%	0.078%
260	12.503	12.471	12.549	VV	13966	172882	10.83%	2.718%
261	12.570	12.549	12.584	VV	1192	18721	1.17%	0.294%
262	12.599	12.584	12.626	VV	1388	23510	1.47%	0.370%
263	12.630	12.626	12.655	VV	781	9767	0.61%	0.154%
264	12.671	12.655	12.689	VV	620	9779	0.61%	0.154%
265	12.714	12.689	12.747	VV	557	14773	0.93%	0.232%
266	12.761	12.747	12.784	VV	424	6179	0.39%	0.097%
267	12.812	12.784	12.857	VV	1124	22950	1.44%	0.361%
268	12.887	12.857	12.931	VV	665	19039	1.19%	0.299%
269	12.965	12.931	12.997	VV	3816	66048	4.14%	1.038%
270	13.007	12.997	13.011	VV	300	2171	0.14%	0.034%
271	13.016	13.011	13.020	VV	259	1334	0.08%	0.021%
272	13.032	13.020	13.059	VV	314	5115	0.32%	0.080%
273	13.065	13.059	13.072	VV	227	1452	0.09%	0.023%
274	13.094	13.072	13.117	VV	478	8376	0.52%	0.132%
275	13.142	13.117	13.185	VV	528	11246	0.70%	0.177%
276	13.202	13.185	13.235	VV	233	3969	0.25%	0.062%
277	13.259	13.235	13.264	VV	264	3101	0.19%	0.049%
278	13.298	13.264	13.363	VV	2202	53043	3.32%	0.834%
279	13.374	13.363	13.400	VV	397	7901	0.49%	0.124%
280	13.406	13.400	13.414	VV	330	2430	0.15%	0.038%
281	13.419	13.414	13.424	VV	360	1965	0.12%	0.031%
282	13.435	13.424	13.480	VV	460	10162	0.64%	0.160%
283	13.501	13.480	13.532	VV	763	13302	0.83%	0.209%
284	13.537	13.532	13.540	VV	313	1311	0.08%	0.021%
285	13.544	13.540	13.548	VV	334	1198	0.08%	0.019%
286	13.552	13.548	13.594	VV	340	6407	0.40%	0.101%
287	13.633	13.594	13.655	VV	557	10196	0.64%	0.160%
288	13.677	13.655	13.692	VV	285	4396	0.28%	0.069%
289	13.724	13.692	13.760	VV	635	15413	0.97%	0.242%
290	13.778	13.760	13.798	VV	241	3156	0.20%	0.050%
291	13.821	13.798	13.828	PV	71	628	0.04%	0.010%
292	13.857	13.828	13.876	VV	171	2625	0.16%	0.041%
293	13.915	13.876	13.955	PV	358	10366	0.65%	0.163%
294	13.958	13.955	13.974	VV	143	753	0.05%	0.012%
295	14.045	13.974	14.067	PV	1235	18551	1.16%	0.292%
296	14.091	14.067	14.119	VV	1212	16419	1.03%	0.258%
297	14.124	14.119	14.128	VV	167	797	0.05%	0.013%
298	14.135	14.128	14.166	VV	198	2960	0.19%	0.047%
299	14.209	14.166	14.268	PV	1530	23915	1.50%	0.376%

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300	14.277	14.268	14.282	PV	148	650	0.04%	0.010%
301	14.291	14.282	14.295	VV	191	1228	0.08%	0.019%
302	14.322	14.295	14.327	VV	305	5147	0.32%	0.081%
303	14.331	14.327	14.357	VV	334	4365	0.27%	0.069%
304	14.368	14.357	14.372	VV	246	1668	0.10%	0.026%
305	14.392	14.372	14.415	VV	291	6259	0.39%	0.098%
306	14.457	14.415	14.464	VV	585	10939	0.69%	0.172%
307	14.492	14.464	14.557	VV	1916	54254	3.40%	0.853%
308	14.563	14.557	14.565	VV	513	2211	0.14%	0.035%
309	14.581	14.565	14.613	VV	564	14610	0.92%	0.230%
310	14.619	14.613	14.629	VV	448	4014	0.25%	0.063%
311	14.655	14.629	14.681	VV	2737	43570	2.73%	0.685%
312	14.689	14.681	14.709	VV	955	13858	0.87%	0.218%
313	14.738	14.709	14.742	VV	943	17343	1.09%	0.273%
314	14.759	14.742	14.809	VV	1261	35443	2.22%	0.557%
315	14.812	14.809	14.841	VV	767	11210	0.70%	0.176%
316	14.849	14.841	14.854	VV	576	3970	0.25%	0.062%
317	14.864	14.854	14.870	VV	557	5217	0.33%	0.082%
318	14.894	14.870	14.924	VV	950	24223	1.52%	0.381%
319	14.929	14.924	14.952	VV	664	9750	0.61%	0.153%
320	14.994	14.952	15.033	VV	94618	1317755	82.56%	20.718%
321	15.048	15.033	15.102	VV	1189	31119	1.95%	0.489%
322	15.107	15.102	15.112	VV	332	1845	0.12%	0.029%
323	15.116	15.112	15.139	VV	324	4409	0.28%	0.069%
324	15.171	15.139	15.179	VV	1227	21015	1.32%	0.330%
325	15.198	15.179	15.227	VV	3276	47287	2.96%	0.743%
326	15.245	15.227	15.280	VV	497	9217	0.58%	0.145%
327	15.285	15.280	15.300	VV	196	1505	0.09%	0.024%
328	15.320	15.300	15.330	VV	147	1385	0.09%	0.022%
329	15.340	15.330	15.364	VV	108	1291	0.08%	0.020%
330	15.369	15.364	15.373	VV	75	281	0.02%	0.004%
331	15.394	15.373	15.424	VV	394	5382	0.34%	0.085%
332	15.460	15.424	15.466	PV	197	2821	0.18%	0.044%
333	15.476	15.466	15.493	VV	192	2705	0.17%	0.043%
334	15.525	15.493	15.551	VV	438	11242	0.70%	0.177%
335	15.582	15.551	15.692	VV	29706	603499	37.81%	9.488%
336	15.720	15.692	15.762	VV	3947	79739	5.00%	1.254%
337	15.786	15.762	15.817	VV	1278	22430	1.41%	0.353%
338	15.847	15.817	15.884	VV	571	15176	0.95%	0.239%
339	15.893	15.884	15.919	VV	319	4617	0.29%	0.073%
340	15.938	15.919	15.942	VV	249	2878	0.18%	0.045%
341	15.949	15.942	15.954	VV	221	1404	0.09%	0.022%
342	15.978	15.954	15.984	VV	342	4457	0.28%	0.070%
343	15.988	15.984	15.999	VV	333	2135	0.13%	0.034%
344	16.014	15.999	16.034	VV	362	5685	0.36%	0.089%
345	16.046	16.034	16.065	VV	315	3901	0.24%	0.061%
346	16.108	16.065	16.162	VV	1085	27880	1.75%	0.438%
347	16.168	16.162	16.189	VV	203	2079	0.13%	0.033%
348	16.222	16.189	16.264	VV	3687	51685	3.24%	0.813%
349	16.298	16.264	16.312	PV	230	3721	0.23%	0.059%
350	16.373	16.312	16.381	VV	121	4728	0.30%	0.074%
351	16.420	16.381	16.425	VV	364	6062	0.38%	0.095%

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352	16.433	16.425	16.460	VV	368	4748	0.30%	0.075%
353	16.515	16.460	16.550	VV	959	28130	1.76%	0.442%
354	16.606	16.550	16.642	VV	3293	80873	5.07%	1.272%
355	16.672	16.642	16.681	VV	985	20202	1.27%	0.318%
356	16.708	16.681	16.732	VV	3917	63561	3.98%	0.999%
357	16.782	16.732	16.809	VV	963	32339	2.03%	0.508%
358	16.852	16.809	16.890	VV	807	22117	1.39%	0.348%
359	16.898	16.890	16.920	VV	297	2858	0.18%	0.045%
360	17.004	16.920	17.030	PV	1000	25929	1.62%	0.408%
361	17.057	17.030	17.075	VV	659	8355	0.52%	0.131%
362	17.088	17.075	17.110	VV	377	4976	0.31%	0.078%
363	17.174	17.110	17.197	PV	3827	65283	4.09%	1.026%
364	17.221	17.197	17.247	VV	3351	53940	3.38%	0.848%
365	17.254	17.247	17.274	VV	1015	9789	0.61%	0.154%
366	17.353	17.274	17.366	VV	702	22635	1.42%	0.356%
367	17.380	17.366	17.390	PV	584	4132	0.26%	0.065%

Sum of corrected areas: 6360438

FG042425.M Wed May 14 05:40:58 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051325\
Data File : FG015838.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 23:43
Operator : YP\AJ
Sample : Q2010-03
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-14

Integration File: autoint1.e
Quant Time: May 14 03:57:45 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...	14.995	2110594	17.926 ug/ml
Target Compounds			

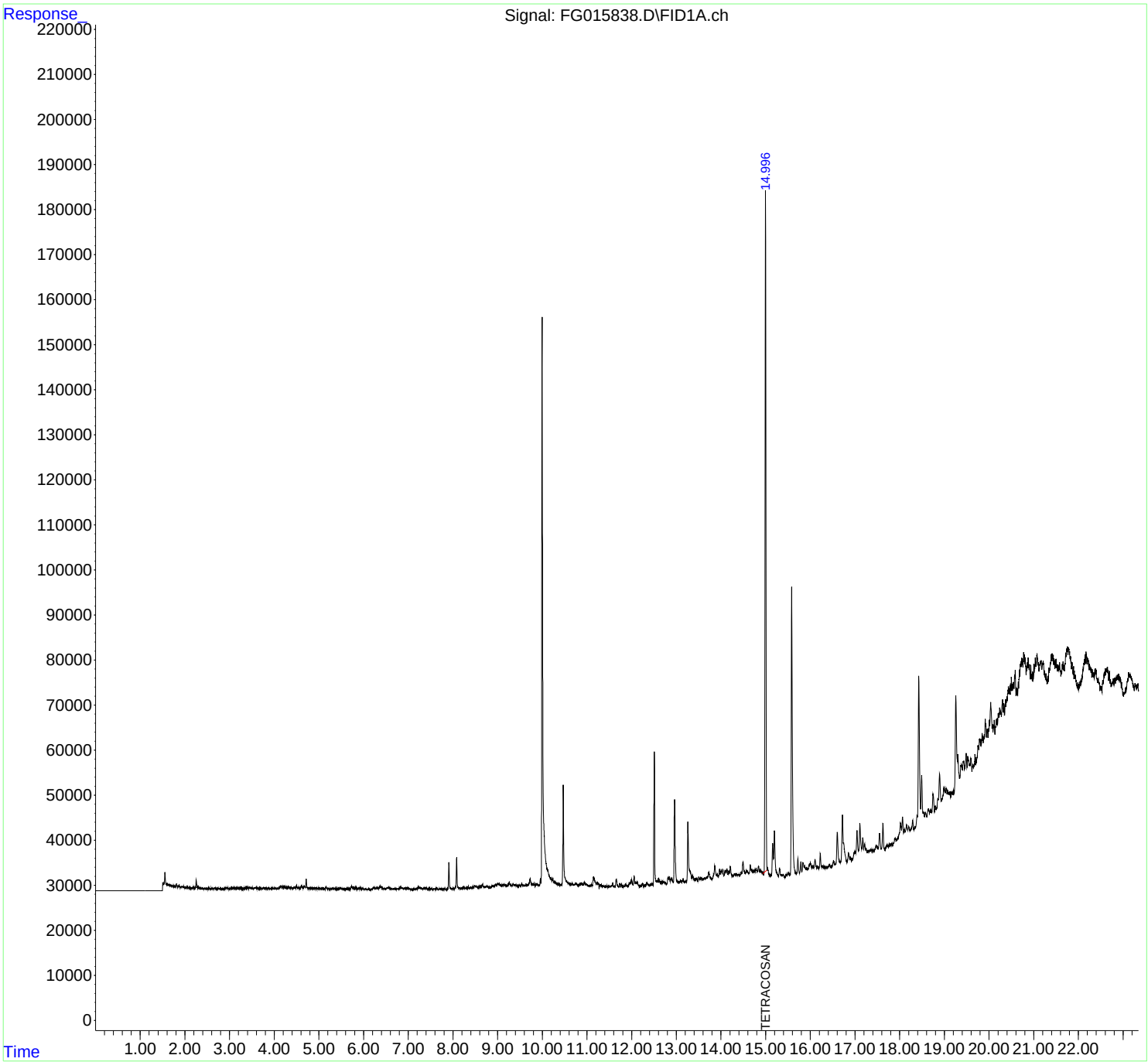
(f)=RT Delta > 1/2 Window (m)=manual int.

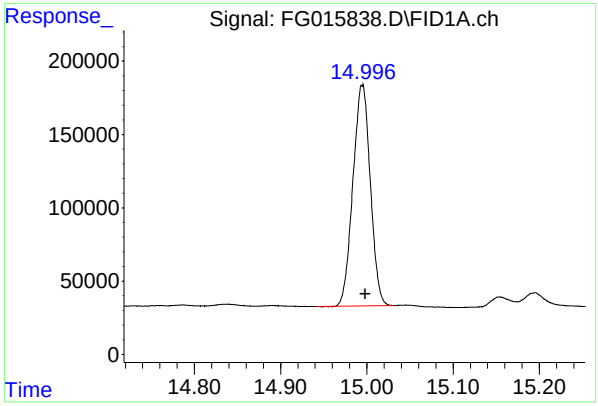
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051325\
Data File : FG015838.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 23:43
Operator : YP\AJ
Sample : Q2010-03
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-14

Integration File: autoint1.e
Quant Time: May 14 03:57:45 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.: 14.995 min
Delta R.T.: -0.004 mi
Response: 2110594
Conc: 17.93 ug/m

Instrument :
FID_G
ClientSampleId :
TP-14

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 : FG015838.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 23:43
Sample : Q2010-03
Misc :
ALS Vial : 35 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	4.318	4.300	4.343	BV	250	3131	0.14%	0.024%
2	4.347	4.343	4.352	VV	106	404	0.02%	0.003%
3	4.371	4.352	4.382	PV	122	1066	0.05%	0.008%
4	4.386	4.382	4.390	VV	74	289	0.01%	0.002%
5	4.394	4.390	4.408	VV	96	724	0.03%	0.006%
6	4.417	4.408	4.424	VV	127	822	0.04%	0.006%
7	4.441	4.424	4.456	PV	286	3494	0.16%	0.027%
8	4.458	4.456	4.479	VV	212	1884	0.09%	0.015%
9	4.499	4.479	4.527	VV	467	6573	0.30%	0.051%
10	4.539	4.527	4.557	VV	184	2561	0.12%	0.020%
11	4.560	4.557	4.564	VV	133	587	0.03%	0.005%
12	4.568	4.564	4.578	VV	154	998	0.05%	0.008%
13	4.581	4.578	4.588	VV	153	707	0.03%	0.006%
14	4.610	4.588	4.651	VV	678	13479	0.62%	0.105%
15	4.670	4.651	4.682	VV	509	7102	0.33%	0.055%
16	4.685	4.682	4.698	VV	470	3789	0.17%	0.030%
17	4.716	4.698	4.764	VV	2118	29198	1.34%	0.227%
18	4.769	4.764	4.773	VV	136	691	0.03%	0.005%
19	4.778	4.773	4.794	VV	123	1421	0.07%	0.011%
20	4.806	4.794	4.811	VV	171	1186	0.05%	0.009%
21	4.815	4.811	4.821	VV	134	771	0.04%	0.006%
22	4.829	4.821	4.851	VV	192	2414	0.11%	0.019%
23	4.854	4.851	4.865	VV	91	999	0.05%	0.008%
24	4.868	4.865	4.879	VV	198	1005	0.05%	0.008%
25	4.884	4.879	4.905	VV	264	2071	0.09%	0.016%
26	4.916	4.905	4.935	VV	197	3235	0.15%	0.025%
27	4.941	4.935	4.956	VV	178	1725	0.08%	0.013%
28	4.973	4.956	4.991	VV	205	3312	0.15%	0.026%
29	5.004	4.991	5.034	VV	271	3987	0.18%	0.031%
30	5.038	5.034	5.043	VV	138	503	0.02%	0.004%
31	5.048	5.043	5.052	VV	90	518	0.02%	0.004%
32	5.055	5.052	5.064	VV	138	704	0.03%	0.005%
33	5.074	5.064	5.109	VV	171	2725	0.12%	0.021%
34	5.121	5.109	5.126	VV	69	501	0.02%	0.004%
35	5.129	5.126	5.140	VV	61	247	0.01%	0.002%
36	5.160	5.140	5.186	VV	596	7608	0.35%	0.059%

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37	5.196	5.186	5.200	VV	151	737	0.03%	0.006%
38	5.206	5.200	5.225	VV	146	1845	0.08%	0.014%
39	5.229	5.225	5.251	VV	142	1087	0.05%	0.008%
40	5.293	5.251	5.305	VV	214	4622	0.21%	0.036%
41	5.312	5.305	5.317	VV	224	1315	0.06%	0.010%
42	5.323	5.317	5.401	VV	183	5439	0.25%	0.042%
43	5.405	5.401	5.426	VV	110	1146	0.05%	0.009%
44	5.480	5.426	5.511	PV	427	10563	0.48%	0.082%
45	5.514	5.511	5.538	VV	144	1686	0.08%	0.013%
46	5.546	5.538	5.551	VV	112	537	0.02%	0.004%
47	5.555	5.551	5.566	VV	89	602	0.03%	0.005%
48	5.570	5.566	5.606	VV	140	1490	0.07%	0.012%
49	5.611	5.606	5.615	VV	53	234	0.01%	0.002%
50	5.641	5.615	5.653	VV	312	3809	0.17%	0.030%
51	5.658	5.653	5.672	VV	154	1793	0.08%	0.014%
52	5.676	5.672	5.699	VV	256	1806	0.08%	0.014%
53	5.730	5.699	5.782	VV	694	19456	0.89%	0.151%
54	5.788	5.782	5.795	VV	393	2593	0.12%	0.020%
55	5.801	5.795	5.805	VV	436	2066	0.09%	0.016%
56	5.813	5.805	5.826	VV	378	3826	0.18%	0.030%
57	5.832	5.826	5.861	VV	400	5783	0.26%	0.045%
58	5.876	5.861	5.881	VV	330	3123	0.14%	0.024%
59	5.885	5.881	5.909	VV	323	3926	0.18%	0.031%
60	5.914	5.909	5.931	VV	321	3533	0.16%	0.028%
61	5.937	5.931	5.979	VV	291	5413	0.25%	0.042%
62	5.984	5.979	5.988	VV	215	1049	0.05%	0.008%
63	5.992	5.988	6.013	VV	246	2328	0.11%	0.018%
64	6.024	6.013	6.031	VV	213	1740	0.08%	0.014%
65	6.034	6.031	6.048	VV	240	1650	0.08%	0.013%
66	6.053	6.048	6.060	VV	152	935	0.04%	0.007%
67	6.065	6.060	6.079	VV	167	1244	0.06%	0.010%
68	6.091	6.079	6.103	VV	191	1479	0.07%	0.012%
69	6.121	6.103	6.151	VV	205	3245	0.15%	0.025%
70	6.171	6.151	6.179	PV	151	1522	0.07%	0.012%
71	6.182	6.179	6.191	VV	206	831	0.04%	0.006%
72	6.211	6.191	6.227	VV	472	6478	0.30%	0.050%
73	6.237	6.227	6.267	VV	427	8591	0.39%	0.067%
74	6.276	6.267	6.283	VV	394	3053	0.14%	0.024%
75	6.287	6.283	6.302	VV	354	3764	0.17%	0.029%
76	6.310	6.302	6.319	VV	355	3233	0.15%	0.025%
77	6.325	6.319	6.336	VV	365	3179	0.15%	0.025%
78	6.366	6.336	6.379	VV	866	13943	0.64%	0.109%
79	6.391	6.379	6.434	VV	624	14039	0.64%	0.109%
80	6.439	6.434	6.444	VV	269	1486	0.07%	0.012%
81	6.448	6.444	6.458	VV	306	2196	0.10%	0.017%
82	6.462	6.458	6.467	VV	275	1349	0.06%	0.011%
83	6.477	6.467	6.507	VV	290	5549	0.25%	0.043%
84	6.537	6.507	6.545	VV	467	8353	0.38%	0.065%
85	6.566	6.545	6.619	VV	658	15224	0.70%	0.119%
86	6.623	6.619	6.632	VV	192	1231	0.06%	0.010%
87	6.635	6.632	6.666	VV	200	2872	0.13%	0.022%
88	6.678	6.666	6.706	VV	283	4380	0.20%	0.034%
89	6.713	6.706	6.717	VV	199	884	0.04%	0.007%

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90	6.724	6.717	6.728	VV	164	661	0.03%	0.005%
91	6.752	6.728	6.761	VV	223	3035	0.14%	0.024%
92	6.765	6.761	6.770	VV	164	740	0.03%	0.006%
93	6.827	6.770	6.832	VV	530	11725	0.54%	0.091%
94	6.839	6.832	6.849	VV	454	3917	0.18%	0.030%
95	6.858	6.849	6.874	VV	390	5119	0.23%	0.040%
96	6.877	6.874	6.890	VV	373	2802	0.13%	0.022%
97	6.897	6.890	6.927	VV	359	6540	0.30%	0.051%
98	6.933	6.927	6.937	VV	302	1673	0.08%	0.013%
99	6.957	6.937	6.990	VV	383	9319	0.43%	0.073%
100	6.995	6.990	7.005	VV	234	1727	0.08%	0.013%
101	7.012	7.005	7.017	VV	229	1383	0.06%	0.011%
102	7.024	7.017	7.037	VV	237	1854	0.08%	0.014%
103	7.044	7.037	7.052	VV	149	1001	0.05%	0.008%
104	7.059	7.052	7.071	VV	135	1095	0.05%	0.009%
105	7.075	7.071	7.091	VV	109	1172	0.05%	0.009%
106	7.094	7.091	7.106	VV	99	518	0.02%	0.004%
107	7.109	7.106	7.116	VV	111	455	0.02%	0.004%
108	7.119	7.116	7.122	VV	73	164	0.01%	0.001%
109	7.145	7.122	7.168	VV	164	2978	0.14%	0.023%
110	7.231	7.168	7.247	VV	503	15418	0.71%	0.120%
111	7.256	7.247	7.268	VV	517	5517	0.25%	0.043%
112	7.272	7.268	7.290	VV	411	4611	0.21%	0.036%
113	7.296	7.290	7.352	VV	357	10428	0.48%	0.081%
114	7.372	7.352	7.380	VV	411	5826	0.27%	0.045%
115	7.398	7.380	7.442	VV	518	10642	0.49%	0.083%
116	7.464	7.442	7.484	VV	313	5169	0.24%	0.040%
117	7.503	7.484	7.516	VV	238	3445	0.16%	0.027%
118	7.530	7.516	7.551	VV	231	3095	0.14%	0.024%
119	7.573	7.551	7.590	VV	267	3446	0.16%	0.027%
120	7.630	7.590	7.640	VV	362	5867	0.27%	0.046%
121	7.644	7.640	7.679	VV	236	3169	0.15%	0.025%
122	7.699	7.679	7.713	PV	215	2207	0.10%	0.017%
123	7.717	7.713	7.741	VV	143	1600	0.07%	0.012%
124	7.749	7.741	7.764	VV	149	1400	0.06%	0.011%
125	7.767	7.764	7.782	VV	124	876	0.04%	0.007%
126	7.786	7.782	7.792	VV	149	536	0.02%	0.004%
127	7.806	7.792	7.828	VV	214	3052	0.14%	0.024%
128	7.832	7.828	7.855	VV	96	916	0.04%	0.007%
129	7.863	7.855	7.871	VV	63	479	0.02%	0.004%
130	7.911	7.871	7.978	VV	6001	72563	3.32%	0.565%
131	8.005	7.978	8.024	VV	261	4257	0.19%	0.033%
132	8.084	8.024	8.181	VV	7105	103413	4.74%	0.805%
133	8.201	8.181	8.216	VV	304	4886	0.22%	0.038%
134	8.220	8.216	8.226	VV	276	1537	0.07%	0.012%
135	8.238	8.226	8.260	VV	391	6387	0.29%	0.050%
136	8.266	8.260	8.282	VV	310	3042	0.14%	0.024%
137	8.306	8.282	8.316	VV	301	5056	0.23%	0.039%
138	8.344	8.316	8.367	VV	463	9509	0.44%	0.074%
139	8.381	8.367	8.402	VV	399	6289	0.29%	0.049%
140	8.416	8.402	8.422	VV	406	4238	0.19%	0.033%
141	8.434	8.422	8.441	VV	398	3721	0.17%	0.029%

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142	8.448	8.441	8.465	VV	421	5338	0.24%	0.042%
143	8.484	8.465	8.497	VV	778	12370	0.57%	0.096%
144	8.512	8.497	8.557	VV	770	19273	0.88%	0.150%
145	8.597	8.557	8.609	VV	545	13576	0.62%	0.106%
146	8.665	8.609	8.689	VV	1129	32721	1.50%	0.255%
147	8.697	8.689	8.714	VV	535	7103	0.33%	0.055%
148	8.728	8.714	8.740	VV	564	7599	0.35%	0.059%
149	8.754	8.740	8.826	VV	630	22565	1.03%	0.176%
150	8.851	8.826	8.857	VV	513	7622	0.35%	0.059%
151	8.872	8.857	8.892	VV	606	11029	0.51%	0.086%
152	8.905	8.892	8.917	VV	608	8187	0.38%	0.064%
153	8.947	8.917	8.962	VV	984	21190	0.97%	0.165%
154	8.966	8.962	8.982	VV	980	9690	0.44%	0.075%
155	9.004	8.982	9.021	VV	1248	23330	1.07%	0.182%
156	9.031	9.021	9.054	VV	1165	19893	0.91%	0.155%
157	9.058	9.054	9.087	VV	872	14272	0.65%	0.111%
158	9.103	9.087	9.119	VV	809	13920	0.64%	0.108%
159	9.134	9.119	9.153	VV	960	17155	0.79%	0.134%
160	9.167	9.153	9.192	VV	845	17490	0.80%	0.136%
161	9.205	9.192	9.220	VV	773	11856	0.54%	0.092%
162	9.226	9.220	9.229	VV	682	3342	0.15%	0.026%
163	9.263	9.229	9.304	VV	1278	43663	2.00%	0.340%
164	9.308	9.304	9.321	VV	812	7172	0.33%	0.056%
165	9.346	9.321	9.372	VV	1125	26840	1.23%	0.209%
166	9.389	9.372	9.417	VV	914	19950	0.91%	0.155%
167	9.428	9.417	9.469	VV	740	19083	0.87%	0.149%
168	9.489	9.469	9.495	VV	740	10016	0.46%	0.078%
169	9.498	9.495	9.514	VV	726	7117	0.33%	0.055%
170	9.539	9.514	9.560	VV	969	21342	0.98%	0.166%
171	9.579	9.560	9.588	VV	714	11096	0.51%	0.086%
172	9.592	9.588	9.597	VV	694	3722	0.17%	0.029%
173	9.646	9.597	9.663	VV	790	27022	1.24%	0.210%
174	9.680	9.663	9.687	VV	842	10599	0.49%	0.083%
175	9.730	9.687	9.765	VV	2182	61746	2.83%	0.481%
176	9.769	9.765	9.784	VV	901	9596	0.44%	0.075%
177	9.806	9.784	9.832	VV	1034	25409	1.16%	0.198%
178	9.846	9.832	9.869	VV	830	16450	0.75%	0.128%
179	9.875	9.869	9.878	VV	831	4506	0.21%	0.035%
180	9.883	9.878	9.902	VV	880	11334	0.52%	0.088%
181	9.905	9.902	9.922	VV	787	8202	0.38%	0.064%
182	9.959	9.922	9.972	VV	2117	34341	1.57%	0.267%
183	9.997	9.972	10.116	VV	126655	2095871	96.00%	16.319%
184	10.127	10.116	10.216	VV	3983	159568	7.31%	1.242%
185	10.237	10.216	10.287	VV	1932	65576	3.00%	0.511%
186	10.291	10.287	10.342	VV	1245	33759	1.55%	0.263%
187	10.346	10.342	10.389	VV	906	22362	1.02%	0.174%
188	10.393	10.389	10.429	VV	737	16677	0.76%	0.130%
189	10.434	10.429	10.441	VV	696	5008	0.23%	0.039%
190	10.470	10.441	10.537	VV	22891	357299	16.37%	2.782%
191	10.546	10.537	10.566	VV	1524	23461	1.07%	0.183%
192	10.569	10.566	10.602	VV	1179	23586	1.08%	0.184%
193	10.605	10.602	10.636	VV	1004	16597	0.76%	0.129%
194	10.661	10.636	10.676	VV	926	19425	0.89%	0.151%

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195	10.681	10.676	10.713	VV	770	15441	0.71%	0.120%
196	10.754	10.713	10.779	VV	975	32009	1.47%	0.249%
197	10.782	10.779	10.788	VV	702	3397	0.16%	0.026%
198	10.792	10.788	10.814	VV	646	8955	0.41%	0.070%
199	10.868	10.814	10.896	VV	1071	37975	1.74%	0.296%
200	10.897	10.896	10.914	VV	743	7432	0.34%	0.058%
201	10.941	10.914	10.967	VV	1266	28980	1.33%	0.226%
202	10.972	10.967	10.983	VV	751	6444	0.30%	0.050%
203	10.987	10.983	11.047	VV	708	19639	0.90%	0.153%
204	11.067	11.047	11.073	VV	477	6249	0.29%	0.049%
205	11.076	11.073	11.082	VV	428	2287	0.10%	0.018%
206	11.093	11.082	11.116	VV	574	10046	0.46%	0.078%
207	11.147	11.116	11.210	VV	2376	76638	3.51%	0.597%
208	11.216	11.210	11.222	VV	885	6405	0.29%	0.050%
209	11.244	11.222	11.273	VV	1040	25038	1.15%	0.195%
210	11.301	11.273	11.361	PV	556	21615	0.99%	0.168%
211	11.383	11.361	11.425	VV	296	7877	0.36%	0.061%
212	11.448	11.425	11.481	VV	293	6045	0.28%	0.047%
213	11.501	11.481	11.508	VV	253	3097	0.14%	0.024%
214	11.516	11.508	11.522	VV	248	1665	0.08%	0.013%
215	11.574	11.522	11.599	VV	898	16746	0.77%	0.130%
216	11.620	11.599	11.634	VV	264	3074	0.14%	0.024%
217	11.656	11.634	11.709	VV	1721	31015	1.42%	0.241%
218	11.733	11.709	11.754	VV	749	10181	0.47%	0.079%
219	11.769	11.754	11.802	VV	659	8083	0.37%	0.063%
220	11.812	11.802	11.817	PV	154	933	0.04%	0.007%
221	11.822	11.817	11.833	VV	130	1154	0.05%	0.009%
222	11.862	11.833	11.885	VV	529	10936	0.50%	0.085%
223	11.890	11.885	11.913	VV	287	2488	0.11%	0.019%
224	11.951	11.913	11.956	VV	742	10608	0.49%	0.083%
225	11.995	11.956	12.036	VV	1564	45176	2.07%	0.352%
226	12.056	12.036	12.077	VV	2354	34638	1.59%	0.270%
227	12.093	12.077	12.111	VV	1068	16891	0.77%	0.132%
228	12.124	12.111	12.177	VV	1042	19766	0.91%	0.154%
229	12.190	12.177	12.207	VV	123	1250	0.06%	0.010%
230	12.246	12.207	12.267	PV	747	12121	0.56%	0.094%
231	12.271	12.267	12.274	VV	92	251	0.01%	0.002%
232	12.301	12.274	12.316	PV	459	5503	0.25%	0.043%
233	12.343	12.316	12.409	VV	882	20931	0.96%	0.163%
234	12.449	12.409	12.464	VV	443	9558	0.44%	0.074%
235	12.470	12.464	12.478	VV	235	1679	0.08%	0.013%
236	12.506	12.478	12.554	VV	29588	351458	16.10%	2.737%
237	12.567	12.554	12.581	VV	1152	15721	0.72%	0.122%
238	12.600	12.581	12.651	VV	1597	40936	1.88%	0.319%
239	12.669	12.651	12.707	VV	865	21808	1.00%	0.170%
240	12.714	12.707	12.727	VV	658	7518	0.34%	0.059%
241	12.736	12.727	12.750	VV	650	7911	0.36%	0.062%
242	12.758	12.750	12.788	VV	580	7948	0.36%	0.062%
243	12.813	12.788	12.827	VV	1645	25191	1.15%	0.196%
244	12.842	12.827	12.859	VV	1800	25395	1.16%	0.198%
245	12.886	12.859	12.931	VV	1546	43226	1.98%	0.337%
246	12.960	12.931	13.029	VV	18891	326532	14.96%	2.542%

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247	13.034	13.029	13.048	VV	632	5587	0.26%	0.044%
248	13.063	13.048	13.079	VV	523	8186	0.37%	0.064%
249	13.096	13.079	13.116	VV	870	14249	0.65%	0.111%
250	13.148	13.116	13.177	VV	1142	26175	1.20%	0.204%
251	13.183	13.177	13.196	VV	437	4686	0.21%	0.036%
252	13.216	13.196	13.228	VV	570	9549	0.44%	0.074%
253	13.257	13.228	13.304	VV	13681	242138	11.09%	1.885%
254	13.314	13.304	13.341	VV	2796	45747	2.10%	0.356%
255	13.361	13.341	13.407	VV	1608	48645	2.23%	0.379%
256	13.419	13.407	13.430	VV	879	11086	0.51%	0.086%
257	13.450	13.430	13.482	VV	1088	25466	1.17%	0.198%
258	13.502	13.482	13.521	VV	1311	21065	0.96%	0.164%
259	13.552	13.521	13.586	VV	1177	35844	1.64%	0.279%
260	13.599	13.586	13.614	VV	858	13463	0.62%	0.105%
261	13.631	13.614	13.649	VV	1036	18434	0.84%	0.144%
262	13.677	13.649	13.694	VV	1223	27614	1.26%	0.215%
263	13.726	13.694	13.800	VV	2256	82870	3.80%	0.645%
264	13.859	13.800	13.901	VV	3611	111618	5.11%	0.869%
265	13.920	13.901	13.944	VV	1552	36435	1.67%	0.284%
266	13.967	13.944	13.987	VV	2803	53383	2.45%	0.416%
267	14.006	13.987	14.022	VV	2470	44423	2.03%	0.346%
268	14.039	14.022	14.067	VV	2653	56149	2.57%	0.437%
269	14.090	14.067	14.108	VV	2408	47515	2.18%	0.370%
270	14.132	14.108	14.156	VV	2675	61773	2.83%	0.481%
271	14.178	14.156	14.191	VV	2126	39596	1.81%	0.308%
272	14.209	14.191	14.241	VV	3156	64265	2.94%	0.500%
273	14.245	14.241	14.274	VV	1292	22910	1.05%	0.178%
274	14.301	14.274	14.305	VV	1451	24064	1.10%	0.187%
275	14.314	14.305	14.367	VV	1529	50748	2.32%	0.395%
276	14.392	14.367	14.426	VV	1311	41154	1.88%	0.320%
277	14.451	14.426	14.466	VV	1744	34668	1.59%	0.270%
278	14.489	14.466	14.540	VV	4054	111015	5.08%	0.864%
279	14.569	14.540	14.581	VV	1900	43055	1.97%	0.335%
280	14.587	14.581	14.622	VV	1933	40217	1.84%	0.313%
281	14.655	14.622	14.677	VV	3298	74581	3.42%	0.581%
282	14.682	14.677	14.709	VV	2133	37309	1.71%	0.291%
283	14.715	14.709	14.722	VV	1816	13145	0.60%	0.102%
284	14.732	14.722	14.745	VV	1884	23862	1.09%	0.186%
285	14.757	14.745	14.768	VV	2009	25454	1.17%	0.198%
286	14.787	14.768	14.813	VV	2408	55012	2.52%	0.428%
287	14.839	14.813	14.872	VV	2908	76824	3.52%	0.598%
288	14.890	14.872	14.938	VV	1973	61531	2.82%	0.479%
289	14.944	14.938	14.961	VV	1231	16010	0.73%	0.125%
290	14.995	14.961	15.034	VV	152416	2183258	100.00%	17.000%
291	15.045	15.034	15.100	VV	2211	50180	2.30%	0.391%
292	15.154	15.100	15.174	VV	7726	137152	6.28%	1.068%
293	15.195	15.174	15.284	VV	10576	226355	10.37%	1.762%
294	15.309	15.284	15.342	VV	2112	40083	1.84%	0.312%
295	15.347	15.342	15.375	VV	735	11504	0.53%	0.090%
296	15.389	15.375	15.426	VV	781	12418	0.57%	0.097%
297	15.464	15.426	15.476	PV	491	8608	0.39%	0.067%
298	15.502	15.476	15.546	VV	908	22706	1.04%	0.177%
299	15.580	15.546	15.687	VV	63940	1126412	51.59%	8.771%

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300	15.719	15.687	15.761	VV	3567	59721	2.74%	0.465%
301	15.786	15.761	15.808	VV	2732	38943	1.78%	0.303%
302	15.833	15.808	15.859	VV	2363	48186	2.21%	0.375%
303	15.865	15.859	15.869	VV	1473	8773	0.40%	0.068%
304	15.871	15.869	15.901	VV	1495	20375	0.93%	0.159%
305	15.924	15.901	15.947	VV	965	22916	1.05%	0.178%
306	15.996	15.947	16.031	VV	1845	67373	3.09%	0.525%
307	16.035	16.031	16.042	VV	909	6423	0.29%	0.050%
308	16.060	16.042	16.074	VV	1009	16720	0.77%	0.130%
309	16.105	16.074	16.147	VV	2457	59942	2.75%	0.467%
310	16.158	16.147	16.176	VV	657	9881	0.45%	0.077%
311	16.181	16.176	16.184	VV	474	2121	0.10%	0.017%
312	16.193	16.184	16.196	VV	450	3062	0.14%	0.024%
313	16.221	16.196	16.251	VV	3518	53716	2.46%	0.418%
314	16.253	16.251	16.270	VV	613	6338	0.29%	0.049%
315	16.287	16.270	16.321	VV	568	11799	0.54%	0.092%
316	16.357	16.321	16.382	VV	281	7894	0.36%	0.061%
317	16.386	16.382	16.389	VV	154	480	0.02%	0.004%
318	16.432	16.389	16.459	VV	506	12022	0.55%	0.094%
319	16.478	16.459	16.489	PV	142	1108	0.05%	0.009%
320	16.518	16.489	16.549	PV	1250	24279	1.11%	0.189%
321	16.601	16.549	16.658	VV	7306	154874	7.09%	1.206%
322	16.668	16.658	16.681	VV	623	7130	0.33%	0.056%
323	16.718	16.681	16.818	VV	10801	291161	13.34%	2.267%
324	16.853	16.818	16.922	PV	1956	46543	2.13%	0.362%
325	16.927	16.922	16.932	VV	203	975	0.04%	0.008%
326	16.990	16.932	16.996	VV	1473	30494	1.40%	0.237%
327	17.001	16.996	17.015	VV	1470	15243	0.70%	0.119%
328	17.043	17.015	17.082	VV	6069	122478	5.61%	0.954%
329	17.108	17.082	17.152	VV	7387	153215	7.02%	1.193%
330	17.172	17.152	17.193	VV	3897	62787	2.88%	0.489%
331	17.214	17.193	17.237	VV	2383	45302	2.07%	0.353%
332	17.250	17.237	17.274	VV	1203	16554	0.76%	0.129%
333	17.292	17.274	17.326	VV	431	9943	0.46%	0.077%
334	17.372	17.326	17.392	VV	352	9088	0.42%	0.071%
			Sum of corrected areas:			12842995		

FG042425.M Wed May 14 05:41:33 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051325\
Data File : FG015839.D
Signal(s) : FID1A.ch
Acq On : 14 May 2025 00:12
Operator : YP\AJ
Sample : Q2010-04
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-17

Integration File: autoint1.e
Quant Time: May 14 03:57:54 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	1198530	10.180 ug/ml
Target Compounds			

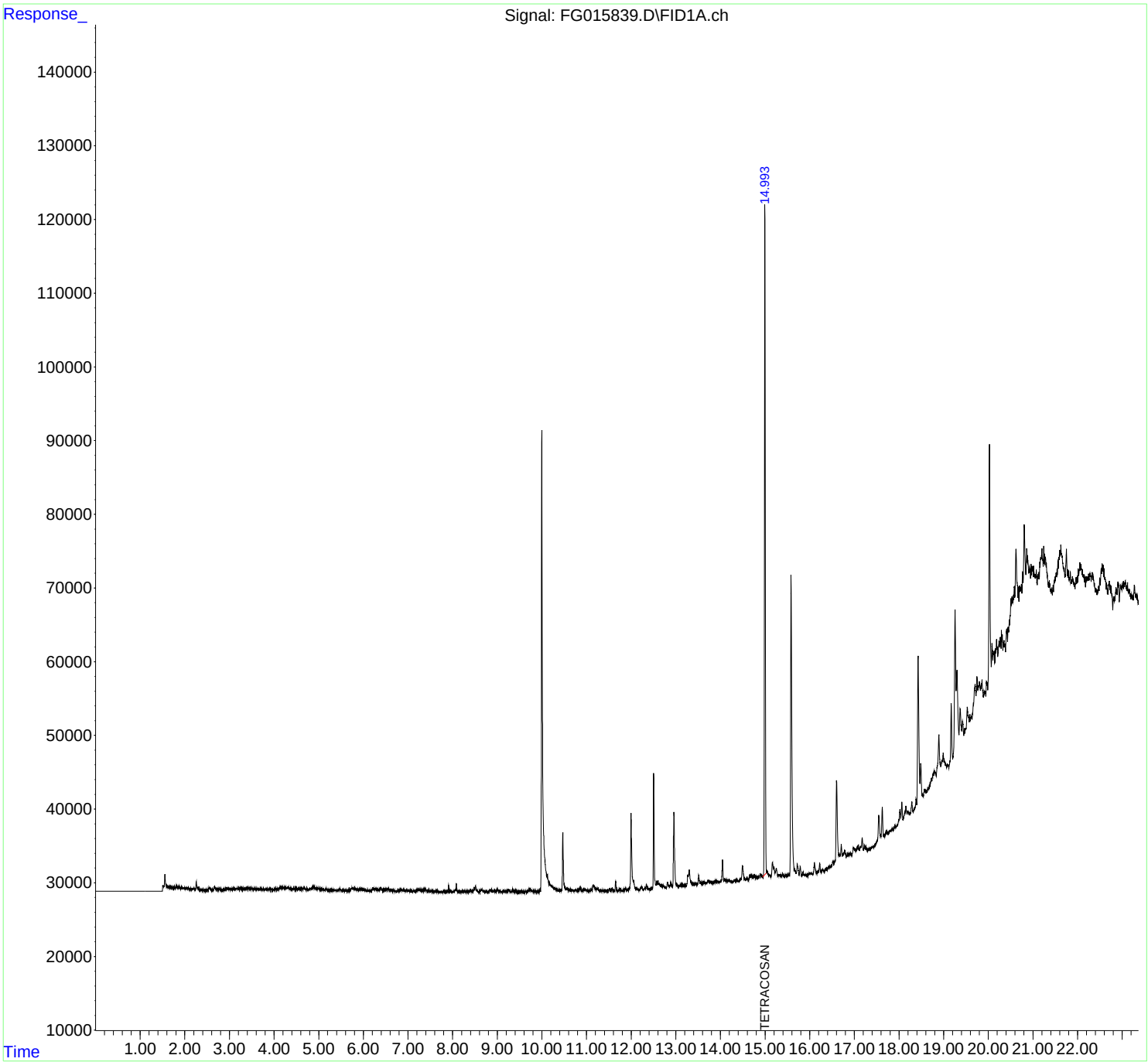
(f)=RT Delta > 1/2 Window (m)=manual int.

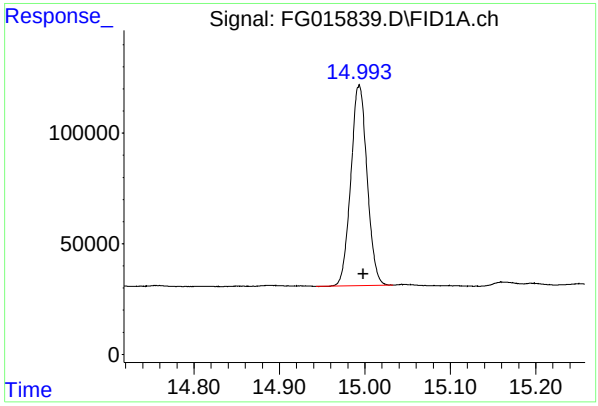
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051325\
Data File : FG015839.D
Signal(s) : FID1A.ch
Acq On : 14 May 2025 00:12
Operator : YP\AJ
Sample : Q2010-04
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-17

Integration File: autoint1.e
Quant Time: May 14 03:57:54 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: 1198530
Conc: 10.18 ug/m

Instrument :
FID_G
ClientSampleId :
TP-17

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 : FG015839.D
Signal(s) : FID1A.ch
Acq On : 14 May 2025 00:12
Sample : Q2010-04
Misc :
ALS Vial : 36 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	4.308	4.300	4.314	BV	55	346	0.03%	0.005%
2	4.322	4.314	4.341	VV	129	1209	0.10%	0.018%
3	4.344	4.341	4.356	VV	104	530	0.04%	0.008%
4	4.363	4.356	4.368	VV	131	514	0.04%	0.008%
5	4.371	4.368	4.392	PV	109	824	0.07%	0.012%
6	4.398	4.392	4.415	VV	113	791	0.06%	0.012%
7	4.420	4.415	4.426	PV	49	345	0.03%	0.005%
8	4.430	4.426	4.441	VV	107	589	0.05%	0.009%
9	4.446	4.441	4.463	VV	76	913	0.07%	0.014%
10	4.465	4.463	4.469	VV	82	213	0.02%	0.003%
11	4.499	4.469	4.534	PV	224	5133	0.42%	0.078%
12	4.538	4.534	4.549	VV	127	866	0.07%	0.013%
13	4.552	4.549	4.558	VV	139	418	0.03%	0.006%
14	4.561	4.558	4.568	VV	122	490	0.04%	0.007%
15	4.572	4.568	4.577	VV	101	492	0.04%	0.007%
16	4.583	4.577	4.591	VV	137	575	0.05%	0.009%
17	4.627	4.591	4.646	PV	239	3860	0.31%	0.059%
18	4.672	4.646	4.701	VV	444	7097	0.58%	0.108%
19	4.705	4.701	4.721	VV	120	851	0.07%	0.013%
20	4.731	4.721	4.736	VV	189	1276	0.10%	0.019%
21	4.738	4.736	4.758	VV	223	1824	0.15%	0.028%
22	4.763	4.758	4.769	VV	123	496	0.04%	0.008%
23	4.779	4.769	4.786	VV	144	902	0.07%	0.014%
24	4.809	4.786	4.815	VV	229	2585	0.21%	0.039%
25	4.824	4.815	4.828	VV	246	1666	0.14%	0.025%
26	4.838	4.828	4.845	VV	310	2665	0.22%	0.040%
27	4.892	4.845	4.899	VV	455	12260	1.00%	0.186%
28	4.902	4.899	4.913	VV	452	2993	0.24%	0.045%
29	4.917	4.913	4.927	VV	425	2723	0.22%	0.041%
30	4.930	4.927	4.934	VV	282	1129	0.09%	0.017%
31	4.946	4.934	4.956	VV	311	3317	0.27%	0.050%
32	4.963	4.956	4.980	VV	270	3547	0.29%	0.054%
33	4.985	4.980	5.021	VV	254	5080	0.41%	0.077%
34	5.026	5.021	5.047	VV	232	2375	0.19%	0.036%
35	5.052	5.047	5.061	VV	192	1181	0.10%	0.018%
36	5.078	5.061	5.095	VV	229	3029	0.25%	0.046%

rteres

37	5.097	5.095	5.102	VV	183	562	0.05%	0.009%
38	5.110	5.102	5.136	VV	249	2201	0.18%	0.033%
39	5.162	5.136	5.198	VV	293	5688	0.46%	0.086%
40	5.201	5.198	5.225	VV	104	1628	0.13%	0.025%
41	5.231	5.225	5.246	VV	127	1126	0.09%	0.017%
42	5.250	5.246	5.259	VV	108	655	0.05%	0.010%
43	5.265	5.259	5.269	VV	173	624	0.05%	0.009%
44	5.272	5.269	5.283	VV	128	736	0.06%	0.011%
45	5.286	5.283	5.303	VV	154	1175	0.10%	0.018%
46	5.308	5.303	5.326	VV	112	986	0.08%	0.015%
47	5.333	5.326	5.345	VV	154	976	0.08%	0.015%
48	5.350	5.345	5.361	VV	110	716	0.06%	0.011%
49	5.381	5.361	5.395	VV	151	1309	0.11%	0.020%
50	5.401	5.395	5.409	PV	107	402	0.03%	0.006%
51	5.417	5.409	5.429	VV	148	809	0.07%	0.012%
52	5.474	5.429	5.480	VV	322	5398	0.44%	0.082%
53	5.486	5.480	5.501	VV	301	2510	0.20%	0.038%
54	5.507	5.501	5.526	VV	215	1703	0.14%	0.026%
55	5.530	5.526	5.550	VV	208	1533	0.12%	0.023%
56	5.560	5.550	5.573	VV	86	913	0.07%	0.014%
57	5.579	5.573	5.597	VV	166	1015	0.08%	0.015%
58	5.602	5.597	5.614	VV	135	659	0.05%	0.010%
59	5.618	5.614	5.633	VV	89	631	0.05%	0.010%
60	5.638	5.633	5.650	PV	160	1097	0.09%	0.017%
61	5.652	5.650	5.679	VV	130	1314	0.11%	0.020%
62	5.681	5.679	5.697	VV	389	810	0.07%	0.012%
63	5.749	5.697	5.772	PV	443	13778	1.12%	0.209%
64	5.776	5.772	5.797	VV	391	5170	0.42%	0.078%
65	5.805	5.797	5.819	VV	400	4105	0.33%	0.062%
66	5.826	5.819	5.843	VV	435	4263	0.35%	0.065%
67	5.848	5.843	5.854	VV	264	1756	0.14%	0.027%
68	5.859	5.854	5.867	VV	259	1689	0.14%	0.026%
69	5.872	5.867	5.880	VV	286	1959	0.16%	0.030%
70	5.883	5.880	5.891	VV	240	1555	0.13%	0.024%
71	5.910	5.891	5.915	VV	352	4187	0.34%	0.063%
72	5.921	5.915	5.937	VV	391	4029	0.33%	0.061%
73	5.940	5.937	5.967	VV	272	4482	0.36%	0.068%
74	5.970	5.967	5.990	VV	347	3735	0.30%	0.057%
75	6.001	5.990	6.005	VV	307	2537	0.21%	0.038%
76	6.019	6.005	6.069	VV	315	7643	0.62%	0.116%
77	6.074	6.069	6.080	VV	147	880	0.07%	0.013%
78	6.085	6.080	6.092	VV	167	812	0.07%	0.012%
79	6.096	6.092	6.110	VV	201	1264	0.10%	0.019%
80	6.118	6.110	6.132	VV	226	1752	0.14%	0.027%
81	6.135	6.132	6.148	VV	174	1068	0.09%	0.016%
82	6.212	6.148	6.232	VV	545	12521	1.02%	0.190%
83	6.243	6.232	6.263	VV	388	6491	0.53%	0.098%
84	6.269	6.263	6.278	VV	371	2769	0.22%	0.042%
85	6.284	6.278	6.311	VV	380	6174	0.50%	0.094%
86	6.318	6.311	6.352	VV	327	6911	0.56%	0.105%
87	6.362	6.352	6.369	VV	371	3186	0.26%	0.048%
88	6.392	6.369	6.436	VV	608	13918	1.13%	0.211%
89	6.450	6.436	6.456	VV	310	2789	0.23%	0.042%

rteres

90	6.461	6.456	6.473	VV	283	2589	0.21%	0.039%
91	6.480	6.473	6.508	VV	248	4246	0.34%	0.064%
92	6.535	6.508	6.539	VV	368	5605	0.45%	0.085%
93	6.554	6.539	6.599	VV	445	11309	0.92%	0.171%
94	6.603	6.599	6.606	VV	218	733	0.06%	0.011%
95	6.610	6.606	6.619	VV	174	1437	0.12%	0.022%
96	6.621	6.619	6.624	VV	221	616	0.05%	0.009%
97	6.628	6.624	6.657	VV	210	2944	0.24%	0.045%
98	6.675	6.657	6.682	VV	258	2669	0.22%	0.040%
99	6.685	6.682	6.714	VV	260	2850	0.23%	0.043%
100	6.719	6.714	6.731	VV	140	1064	0.09%	0.016%
101	6.741	6.731	6.746	VV	184	1125	0.09%	0.017%
102	6.762	6.746	6.766	VV	194	1643	0.13%	0.025%
103	6.771	6.766	6.782	VV	210	1412	0.11%	0.021%
104	6.790	6.782	6.797	VV	181	1614	0.13%	0.024%
105	6.800	6.797	6.804	VV	203	810	0.07%	0.012%
106	6.814	6.804	6.818	VV	276	1792	0.15%	0.027%
107	6.836	6.818	6.842	VV	321	3982	0.32%	0.060%
108	6.855	6.842	6.869	VV	362	4514	0.37%	0.068%
109	6.878	6.869	6.893	VV	311	3770	0.31%	0.057%
110	6.897	6.893	6.923	VV	332	4487	0.36%	0.068%
111	6.925	6.923	6.933	VV	257	1283	0.10%	0.019%
112	6.941	6.933	6.946	VV	279	1847	0.15%	0.028%
113	6.954	6.946	6.974	VV	314	3999	0.32%	0.061%
114	6.977	6.974	7.002	VV	303	3453	0.28%	0.052%
115	7.004	7.002	7.009	VV	210	732	0.06%	0.011%
116	7.012	7.009	7.041	VV	248	2999	0.24%	0.045%
117	7.045	7.041	7.054	VV	156	846	0.07%	0.013%
118	7.057	7.054	7.070	VV	179	1293	0.10%	0.020%
119	7.074	7.070	7.079	VV	179	626	0.05%	0.009%
120	7.083	7.079	7.099	VV	186	1449	0.12%	0.022%
121	7.103	7.099	7.109	VV	148	644	0.05%	0.010%
122	7.114	7.109	7.120	VV	167	975	0.08%	0.015%
123	7.140	7.120	7.143	VV	176	2083	0.17%	0.032%
124	7.150	7.143	7.155	VV	185	1080	0.09%	0.016%
125	7.159	7.155	7.164	VV	173	800	0.06%	0.012%
126	7.166	7.164	7.170	VV	203	518	0.04%	0.008%
127	7.176	7.170	7.189	VV	337	2085	0.17%	0.032%
128	7.201	7.189	7.207	VV	308	2432	0.20%	0.037%
129	7.209	7.207	7.220	VV	322	1921	0.16%	0.029%
130	7.245	7.220	7.251	VV	397	6119	0.50%	0.093%
131	7.257	7.251	7.261	VV	377	2079	0.17%	0.032%
132	7.266	7.261	7.274	VV	347	2190	0.18%	0.033%
133	7.283	7.274	7.342	VV	318	11013	0.89%	0.167%
134	7.366	7.342	7.379	VV	504	7931	0.64%	0.120%
135	7.382	7.379	7.389	VV	405	2508	0.20%	0.038%
136	7.393	7.389	7.412	VV	477	4998	0.41%	0.076%
137	7.417	7.412	7.425	VV	299	1918	0.16%	0.029%
138	7.428	7.425	7.446	VV	270	2511	0.20%	0.038%
139	7.461	7.446	7.466	VV	302	2600	0.21%	0.039%
140	7.469	7.466	7.477	VV	234	1362	0.11%	0.021%
141	7.479	7.477	7.489	VV	176	1290	0.10%	0.020%

rteres

142	7.495	7.489	7.499	VV	215	995	0.08%	0.015%
143	7.506	7.499	7.514	VV	227	1615	0.13%	0.024%
144	7.517	7.514	7.537	VV	207	2189	0.18%	0.033%
145	7.548	7.537	7.552	VV	192	1333	0.11%	0.020%
146	7.570	7.552	7.600	VV	242	4360	0.35%	0.066%
147	7.632	7.600	7.641	VV	325	4796	0.39%	0.073%
148	7.647	7.641	7.652	VV	249	1204	0.10%	0.018%
149	7.655	7.652	7.685	VV	196	2538	0.21%	0.038%
150	7.690	7.685	7.701	VV	173	1066	0.09%	0.016%
151	7.714	7.701	7.731	VV	125	1914	0.16%	0.029%
152	7.735	7.731	7.745	VV	202	855	0.07%	0.013%
153	7.748	7.745	7.754	VV	127	528	0.04%	0.008%
154	7.759	7.754	7.763	VV	125	484	0.04%	0.007%
155	7.768	7.763	7.777	VV	166	826	0.07%	0.013%
156	7.782	7.777	7.797	VV	146	1045	0.08%	0.016%
157	7.801	7.797	7.809	VV	132	800	0.06%	0.012%
158	7.836	7.809	7.852	VV	168	2670	0.22%	0.040%
159	7.857	7.852	7.864	PV	156	766	0.06%	0.012%
160	7.866	7.864	7.869	VV	145	345	0.03%	0.005%
161	7.873	7.869	7.882	VV	130	982	0.08%	0.015%
162	7.911	7.882	7.937	VV	1016	14034	1.14%	0.213%
163	7.941	7.937	7.955	VV	244	1838	0.15%	0.028%
164	7.962	7.955	7.979	VV	196	2026	0.16%	0.031%
165	7.984	7.979	7.991	VV	158	871	0.07%	0.013%
166	8.010	7.991	8.016	VV	183	1980	0.16%	0.030%
167	8.021	8.016	8.024	VV	155	685	0.06%	0.010%
168	8.028	8.024	8.032	VV	150	635	0.05%	0.010%
169	8.057	8.032	8.065	VV	435	5680	0.46%	0.086%
170	8.084	8.065	8.114	VV	1152	16170	1.31%	0.245%
171	8.116	8.114	8.130	VV	202	1557	0.13%	0.024%
172	8.137	8.130	8.151	VV	177	1877	0.15%	0.028%
173	8.164	8.151	8.175	VV	195	2216	0.18%	0.034%
174	8.189	8.175	8.193	VV	152	1357	0.11%	0.021%
175	8.199	8.193	8.213	VV	194	1925	0.16%	0.029%
176	8.221	8.213	8.232	VV	185	1734	0.14%	0.026%
177	8.239	8.232	8.244	VV	206	1096	0.09%	0.017%
178	8.258	8.244	8.276	VV	234	3463	0.28%	0.052%
179	8.283	8.276	8.321	VV	173	3442	0.28%	0.052%
180	8.326	8.321	8.329	VV	158	641	0.05%	0.010%
181	8.341	8.329	8.347	VV	218	1999	0.16%	0.030%
182	8.349	8.347	8.375	VV	212	2202	0.18%	0.033%
183	8.421	8.375	8.438	VV	255	6968	0.57%	0.106%
184	8.445	8.438	8.462	VV	251	2636	0.21%	0.040%
185	8.481	8.462	8.497	VV	710	10182	0.83%	0.154%
186	8.513	8.497	8.573	VV	931	19067	1.55%	0.289%
187	8.577	8.573	8.582	VV	157	775	0.06%	0.012%
188	8.589	8.582	8.613	VV	167	2760	0.22%	0.042%
189	8.655	8.613	8.691	VV	453	13689	1.11%	0.207%
190	8.694	8.691	8.721	VV	237	2740	0.22%	0.042%
191	8.724	8.721	8.781	VV	159	3930	0.32%	0.060%
192	8.783	8.781	8.794	VV	98	545	0.04%	0.008%
193	8.803	8.794	8.815	VV	82	918	0.07%	0.014%
194	8.840	8.815	8.861	VV	402	7535	0.61%	0.114%

rteres

195	8.872	8.861	8.913	VV	373	7374	0.60%	0.112%
196	8.947	8.913	8.975	VV	311	7415	0.60%	0.112%
197	8.998	8.975	9.041	VV	413	10796	0.88%	0.164%
198	9.056	9.041	9.073	VV	263	3732	0.30%	0.057%
199	9.078	9.073	9.082	VV	162	644	0.05%	0.010%
200	9.087	9.082	9.100	VV	131	1130	0.09%	0.017%
201	9.104	9.100	9.112	VV	101	656	0.05%	0.010%
202	9.134	9.112	9.152	VV	212	3366	0.27%	0.051%
203	9.158	9.152	9.191	VV	195	3091	0.25%	0.047%
204	9.197	9.191	9.218	VV	131	1960	0.16%	0.030%
205	9.246	9.218	9.300	VV	500	12011	0.97%	0.182%
206	9.304	9.300	9.327	VV	136	1621	0.13%	0.025%
207	9.342	9.327	9.367	VV	458	6632	0.54%	0.101%
208	9.389	9.367	9.419	VV	321	5616	0.46%	0.085%
209	9.423	9.419	9.431	VV	167	828	0.07%	0.013%
210	9.447	9.431	9.459	VV	134	1383	0.11%	0.021%
211	9.466	9.459	9.483	VV	112	798	0.06%	0.012%
212	9.490	9.483	9.510	VV	159	1445	0.12%	0.022%
213	9.536	9.510	9.548	VV	255	3732	0.30%	0.057%
214	9.554	9.548	9.571	VV	168	1239	0.10%	0.019%
215	9.575	9.571	9.604	VV	159	1269	0.10%	0.019%
216	9.620	9.604	9.642	PV	106	1629	0.13%	0.025%
217	9.647	9.642	9.658	VV	140	889	0.07%	0.013%
218	9.675	9.658	9.691	VV	271	3109	0.25%	0.047%
219	9.731	9.691	9.797	VV	529	18154	1.47%	0.275%
220	9.801	9.797	9.806	VV	206	918	0.07%	0.014%
221	9.809	9.806	9.841	VV	228	2874	0.23%	0.044%
222	9.845	9.841	9.870	VV	181	2020	0.16%	0.031%
223	9.875	9.870	9.896	VV	161	1923	0.16%	0.029%
224	9.911	9.896	9.921	VV	148	1362	0.11%	0.021%
225	9.928	9.921	9.941	VV	102	578	0.05%	0.009%
226	9.959	9.941	9.972	VV	520	5926	0.48%	0.090%
227	9.998	9.972	10.112	VV	62568	1133719	92.03%	17.184%
228	10.127	10.112	10.183	VV	2461	68736	5.58%	1.042%
229	10.188	10.183	10.214	VV	1025	16895	1.37%	0.256%
230	10.240	10.214	10.265	VV	861	21856	1.77%	0.331%
231	10.274	10.265	10.345	VV	615	20268	1.65%	0.307%
232	10.366	10.345	10.381	VV	322	5712	0.46%	0.087%
233	10.402	10.381	10.408	VV	293	3662	0.30%	0.056%
234	10.411	10.408	10.422	VV	200	1657	0.13%	0.025%
235	10.429	10.422	10.436	VV	232	1560	0.13%	0.024%
236	10.470	10.436	10.542	VV	8061	126328	10.25%	1.915%
237	10.548	10.542	10.560	VV	458	4414	0.36%	0.067%
238	10.566	10.560	10.572	VV	465	2858	0.23%	0.043%
239	10.575	10.572	10.602	VV	404	6075	0.49%	0.092%
240	10.607	10.602	10.631	VV	379	4657	0.38%	0.071%
241	10.645	10.631	10.669	VV	445	6289	0.51%	0.095%
242	10.685	10.669	10.702	VV	326	5156	0.42%	0.078%
243	10.706	10.702	10.710	VV	218	866	0.07%	0.013%
244	10.713	10.710	10.727	VV	222	1859	0.15%	0.028%
245	10.731	10.727	10.735	VV	242	843	0.07%	0.013%
246	10.762	10.735	10.781	VV	312	6559	0.53%	0.099%

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247	10.797	10.781	10.814	VV	249	3968	0.32%	0.060%
248	10.831	10.814	10.837	VV	378	4415	0.36%	0.067%
249	10.868	10.837	10.911	VV	563	14299	1.16%	0.217%
250	10.933	10.911	10.964	VV	401	9062	0.74%	0.137%
251	10.977	10.964	11.006	VV	418	7500	0.61%	0.114%
252	11.013	11.006	11.027	VV	225	2315	0.19%	0.035%
253	11.039	11.027	11.055	VV	217	2780	0.23%	0.042%
254	11.060	11.055	11.074	VV	206	1882	0.15%	0.029%
255	11.092	11.074	11.125	VV	369	7291	0.59%	0.111%
256	11.150	11.125	11.221	VV	914	33390	2.71%	0.506%
257	11.227	11.221	11.234	VV	402	3006	0.24%	0.046%
258	11.246	11.234	11.281	VV	468	9245	0.75%	0.140%
259	11.286	11.281	11.291	VV	247	1250	0.10%	0.019%
260	11.305	11.291	11.317	VV	278	3413	0.28%	0.052%
261	11.321	11.317	11.336	VV	239	2093	0.17%	0.032%
262	11.344	11.336	11.365	VV	197	2530	0.21%	0.038%
263	11.373	11.365	11.377	VV	180	792	0.06%	0.012%
264	11.389	11.377	11.428	VV	200	3732	0.30%	0.057%
265	11.438	11.428	11.461	VV	143	2086	0.17%	0.032%
266	11.464	11.461	11.487	VV	102	1205	0.10%	0.018%
267	11.516	11.487	11.534	VV	411	6896	0.56%	0.105%
268	11.549	11.534	11.559	VV	307	3472	0.28%	0.053%
269	11.575	11.559	11.608	VV	496	7527	0.61%	0.114%
270	11.616	11.608	11.622	VV	135	829	0.07%	0.013%
271	11.624	11.622	11.628	VV	108	307	0.02%	0.005%
272	11.652	11.628	11.697	VV	1410	20509	1.66%	0.311%
273	11.699	11.697	11.709	VV	122	378	0.03%	0.006%
274	11.731	11.709	11.752	PV	471	6002	0.49%	0.091%
275	11.770	11.752	11.799	VV	482	5298	0.43%	0.080%
276	11.814	11.799	11.834	VV	166	2089	0.17%	0.032%
277	11.861	11.834	11.917	VV	352	11724	0.95%	0.178%
278	11.923	11.917	11.926	VV	218	1087	0.09%	0.016%
279	11.939	11.926	11.949	VV	250	2934	0.24%	0.044%
280	11.996	11.949	12.044	VV	10505	186259	15.12%	2.823%
281	12.057	12.044	12.088	VV	1425	23856	1.94%	0.362%
282	12.092	12.088	12.117	VV	431	5582	0.45%	0.085%
283	12.122	12.117	12.129	VV	323	1928	0.16%	0.029%
284	12.130	12.129	12.138	VV	318	1270	0.10%	0.019%
285	12.143	12.138	12.172	VV	223	2551	0.21%	0.039%
286	12.178	12.172	12.184	VV	136	759	0.06%	0.012%
287	12.219	12.184	12.239	VV	494	8958	0.73%	0.136%
288	12.248	12.239	12.271	VV	429	5135	0.42%	0.078%
289	12.301	12.271	12.307	VV	291	3820	0.31%	0.058%
290	12.310	12.307	12.322	VV	347	1976	0.16%	0.030%
291	12.340	12.322	12.392	VV	809	14742	1.20%	0.223%
292	12.399	12.392	12.426	VV	215	2039	0.17%	0.031%
293	12.454	12.426	12.470	PV	338	4944	0.40%	0.075%
294	12.503	12.470	12.551	VV	15681	193777	15.73%	2.937%
295	12.571	12.551	12.584	VV	1158	16806	1.36%	0.255%
296	12.599	12.584	12.652	VV	1200	31202	2.53%	0.473%
297	12.669	12.652	12.694	VV	538	11277	0.92%	0.171%
298	12.715	12.694	12.727	VV	518	8714	0.71%	0.132%
299	12.733	12.727	12.766	VV	312	4923	0.40%	0.075%

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300	12.769	12.766	12.779	VV	191	1079	0.09%	0.016%
301	12.812	12.779	12.864	VV	857	20516	1.67%	0.311%
302	12.886	12.864	12.916	VV	721	15158	1.23%	0.230%
303	12.922	12.916	12.927	VV	273	1629	0.13%	0.025%
304	12.956	12.927	13.038	VV	10251	184346	14.96%	2.794%
305	13.041	13.038	13.050	VV	284	1617	0.13%	0.025%
306	13.057	13.050	13.077	VV	222	2779	0.23%	0.042%
307	13.099	13.077	13.114	VV	352	5451	0.44%	0.083%
308	13.144	13.114	13.181	VV	441	10274	0.83%	0.156%
309	13.214	13.181	13.226	VV	210	4622	0.38%	0.070%
310	13.265	13.226	13.277	VV	1621	23618	1.92%	0.358%
311	13.297	13.277	13.371	VV	2274	60693	4.93%	0.920%
312	13.377	13.371	13.384	VV	444	2990	0.24%	0.045%
313	13.388	13.384	13.396	VV	416	2518	0.20%	0.038%
314	13.405	13.396	13.436	VV	339	6825	0.55%	0.103%
315	13.457	13.436	13.489	VV	398	8280	0.67%	0.126%
316	13.511	13.489	13.548	VV	1415	26158	2.12%	0.396%
317	13.559	13.548	13.581	VV	468	7078	0.57%	0.107%
318	13.583	13.581	13.589	VV	304	1388	0.11%	0.021%
319	13.632	13.589	13.662	VV	538	14052	1.14%	0.213%
320	13.681	13.662	13.697	VV	359	5567	0.45%	0.084%
321	13.716	13.697	13.760	VV	573	16081	1.31%	0.244%
322	13.769	13.760	13.792	VV	547	7171	0.58%	0.109%
323	13.808	13.792	13.831	VV	436	7109	0.58%	0.108%
324	13.841	13.831	13.850	VV	295	2959	0.24%	0.045%
325	13.904	13.850	13.945	VV	461	20542	1.67%	0.311%
326	13.951	13.945	13.963	VV	327	2930	0.24%	0.044%
327	13.985	13.963	13.992	VV	313	4228	0.34%	0.064%
328	14.045	13.992	14.071	VV	3213	51778	4.20%	0.785%
329	14.090	14.071	14.109	VV	597	10134	0.82%	0.154%
330	14.146	14.109	14.169	VV	442	12389	1.01%	0.188%
331	14.207	14.169	14.279	VV	354	14991	1.22%	0.227%
332	14.308	14.279	14.344	VV	344	8391	0.68%	0.127%
333	14.358	14.344	14.382	VV	267	4378	0.36%	0.066%
334	14.388	14.382	14.427	VV	248	3915	0.32%	0.059%
335	14.455	14.427	14.462	VV	411	6022	0.49%	0.091%
336	14.492	14.462	14.554	VV	2194	53427	4.34%	0.810%
337	14.583	14.554	14.627	VV	341	12891	1.05%	0.195%
338	14.656	14.627	14.671	VV	839	13896	1.13%	0.211%
339	14.691	14.671	14.711	VV	746	15315	1.24%	0.232%
340	14.719	14.711	14.727	VV	610	5492	0.45%	0.083%
341	14.757	14.727	14.797	VV	856	23594	1.92%	0.358%
342	14.812	14.797	14.832	VV	493	8592	0.70%	0.130%
343	14.853	14.832	14.866	VV	519	8933	0.73%	0.135%
344	14.889	14.866	14.916	VV	845	19347	1.57%	0.293%
345	14.924	14.916	14.949	VV	600	10007	0.81%	0.152%
346	14.993	14.949	15.033	VV	91417	1231963	100.00%	18.673%
347	15.046	15.033	15.089	VV	1129	28622	2.32%	0.434%
348	15.097	15.089	15.134	VV	594	12933	1.05%	0.196%
349	15.162	15.134	15.185	VV	2116	44843	3.64%	0.680%
350	15.196	15.185	15.223	VV	1617	29403	2.39%	0.446%
351	15.251	15.223	15.299	VV	1381	38278	3.11%	0.580%

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352	15.327	15.299	15.337	VV	494	9754	0.79%	0.148%
353	15.349	15.337	15.372	VV	416	7360	0.60%	0.112%
354	15.392	15.372	15.424	VV	566	12068	0.98%	0.183%
355	15.458	15.424	15.472	VV	342	7773	0.63%	0.118%
356	15.486	15.472	15.501	VV	344	5003	0.41%	0.076%
357	15.531	15.501	15.546	VV	373	8404	0.68%	0.127%
358	15.580	15.546	15.692	VV	40909	798738	64.83%	12.106%
359	15.720	15.692	15.761	VV	1739	39518	3.21%	0.599%
360	15.786	15.761	15.819	VV	1385	22133	1.80%	0.335%
361	15.848	15.819	15.872	VV	521	9619	0.78%	0.146%
362	15.896	15.872	15.951	VV	281	5304	0.43%	0.080%
363	16.004	15.951	16.024	PV	367	9224	0.75%	0.140%
364	16.039	16.024	16.074	VV	292	4557	0.37%	0.069%
365	16.105	16.074	16.159	PV	1561	31043	2.52%	0.471%
366	16.185	16.159	16.196	VV	317	3924	0.32%	0.059%
367	16.222	16.196	16.259	VV	1248	18876	1.53%	0.286%
368	16.286	16.259	16.317	VV	375	5424	0.44%	0.082%
369	16.356	16.317	16.376	PV	270	4245	0.34%	0.064%
370	16.466	16.376	16.489	VV	270	14144	1.15%	0.214%
371	16.517	16.489	16.541	VV	782	16799	1.36%	0.255%
372	16.600	16.541	16.657	VV	11342	258742	21.00%	3.922%
373	16.665	16.657	16.684	VV	1285	19591	1.59%	0.297%
374	16.706	16.684	16.727	VV	2531	43142	3.50%	0.654%
375	16.741	16.727	16.753	VV	1148	16410	1.33%	0.249%
376	16.784	16.753	16.822	VV	1451	45375	3.68%	0.688%
377	16.859	16.822	16.886	VV	786	27413	2.23%	0.415%
378	16.907	16.886	16.942	VV	721	20529	1.67%	0.311%
379	16.979	16.942	17.037	VV	1390	52851	4.29%	0.801%
380	17.083	17.037	17.112	VV	1189	42753	3.47%	0.648%
381	17.136	17.112	17.151	VV	1014	20293	1.65%	0.308%
382	17.174	17.151	17.204	VV	2129	38015	3.09%	0.576%
383	17.223	17.204	17.237	VV	853	12706	1.03%	0.193%
384	17.255	17.237	17.321	VV	681	13790	1.12%	0.209%
			Sum of corrected areas:			6597612		

FG042425.M Wed May 14 05:42:06 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			

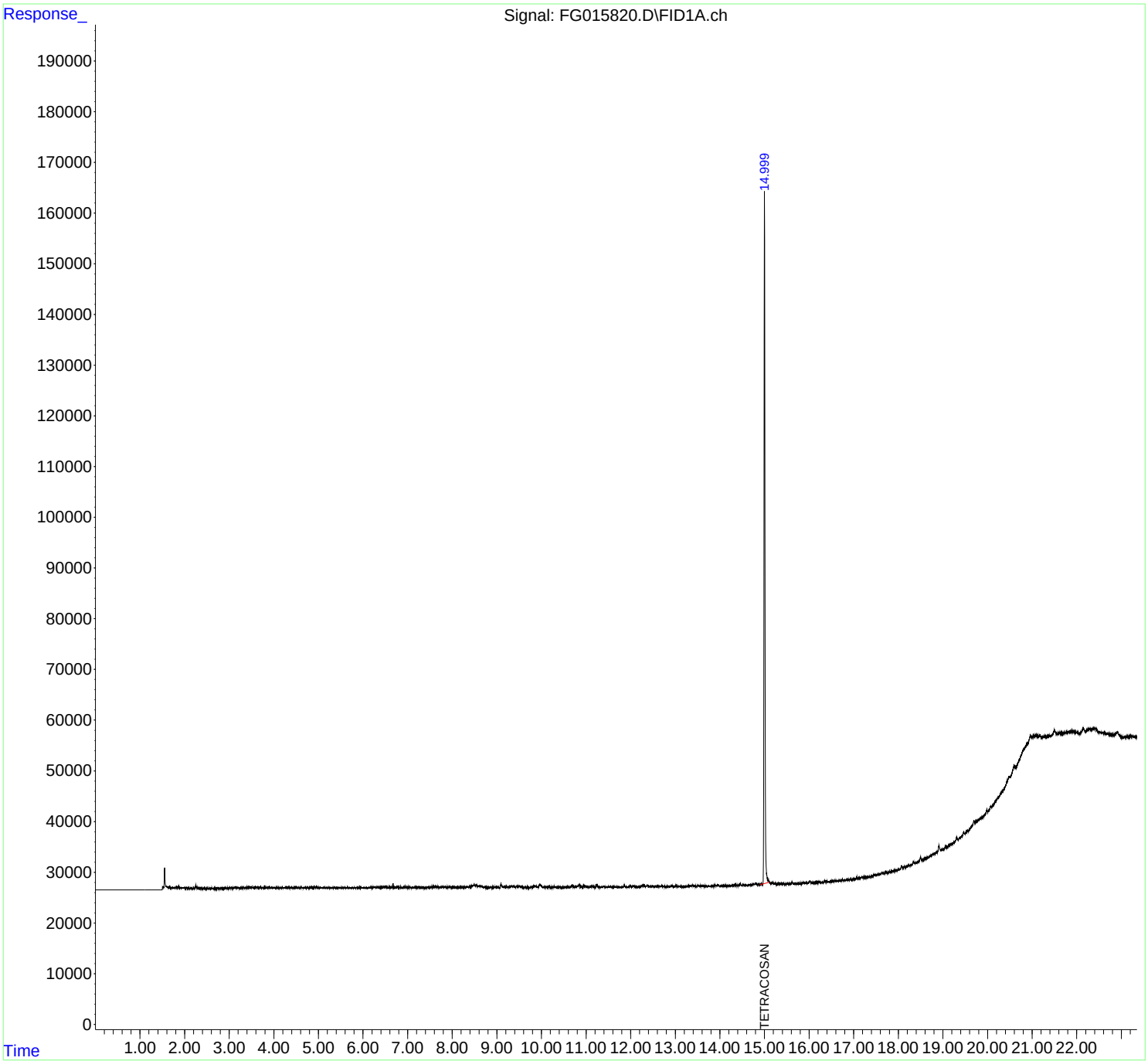
(f)=RT Delta > 1/2 Window (m)=manual int.

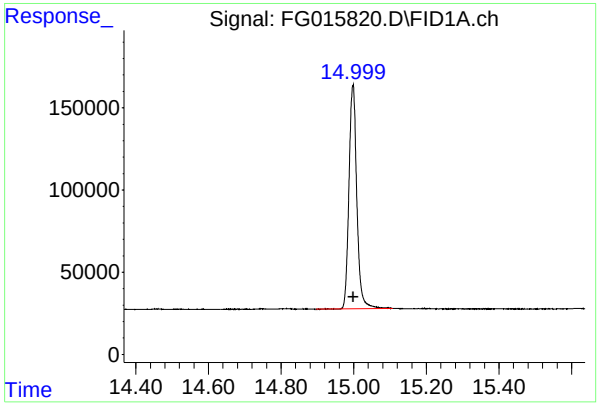
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051325\
Data File : FG015820.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 13:22
Operator : YP\AJ
Sample : PB167975BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

rteres

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

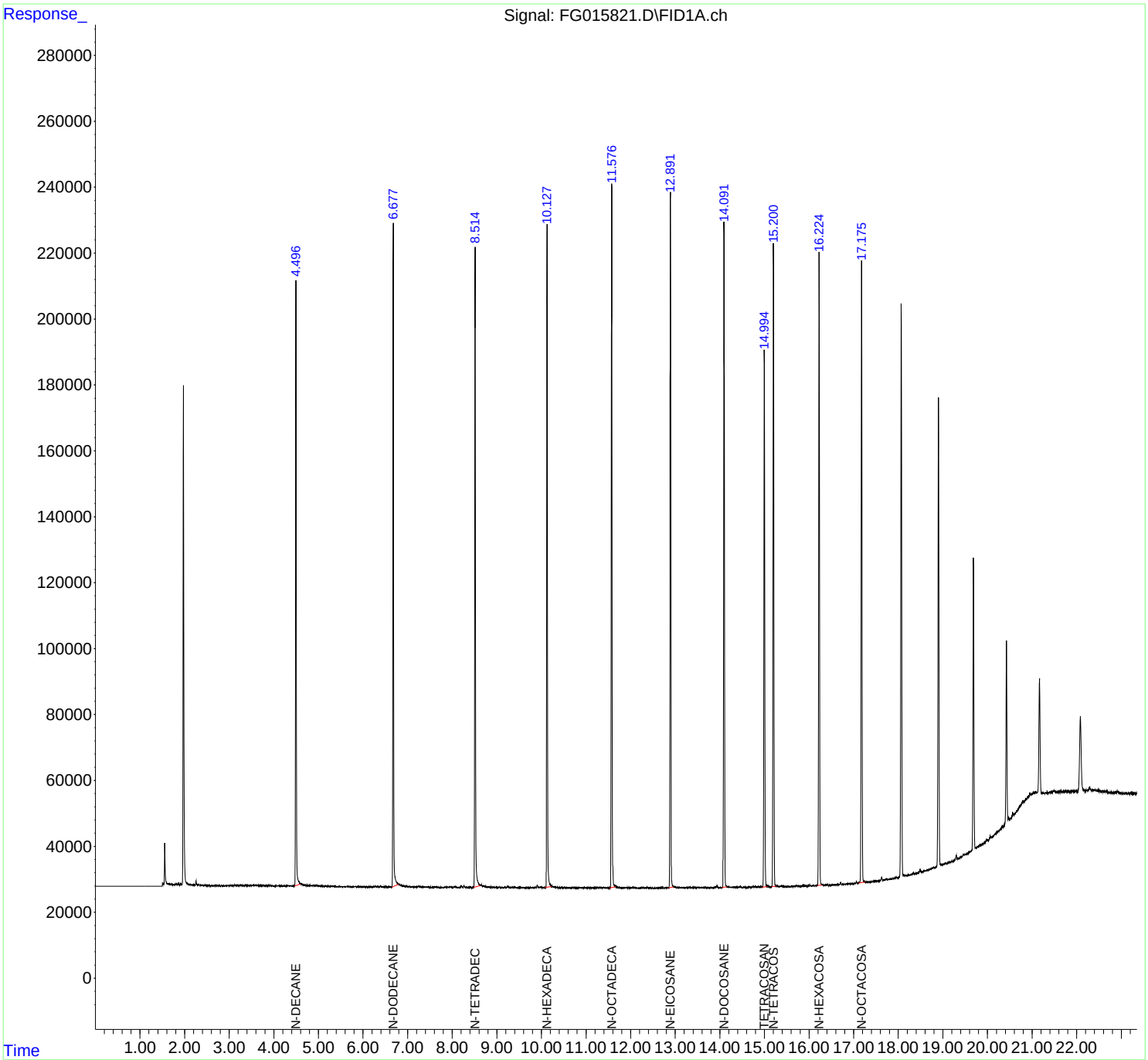
(f)=RT Delta > 1/2 Window (m)=manual int.

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

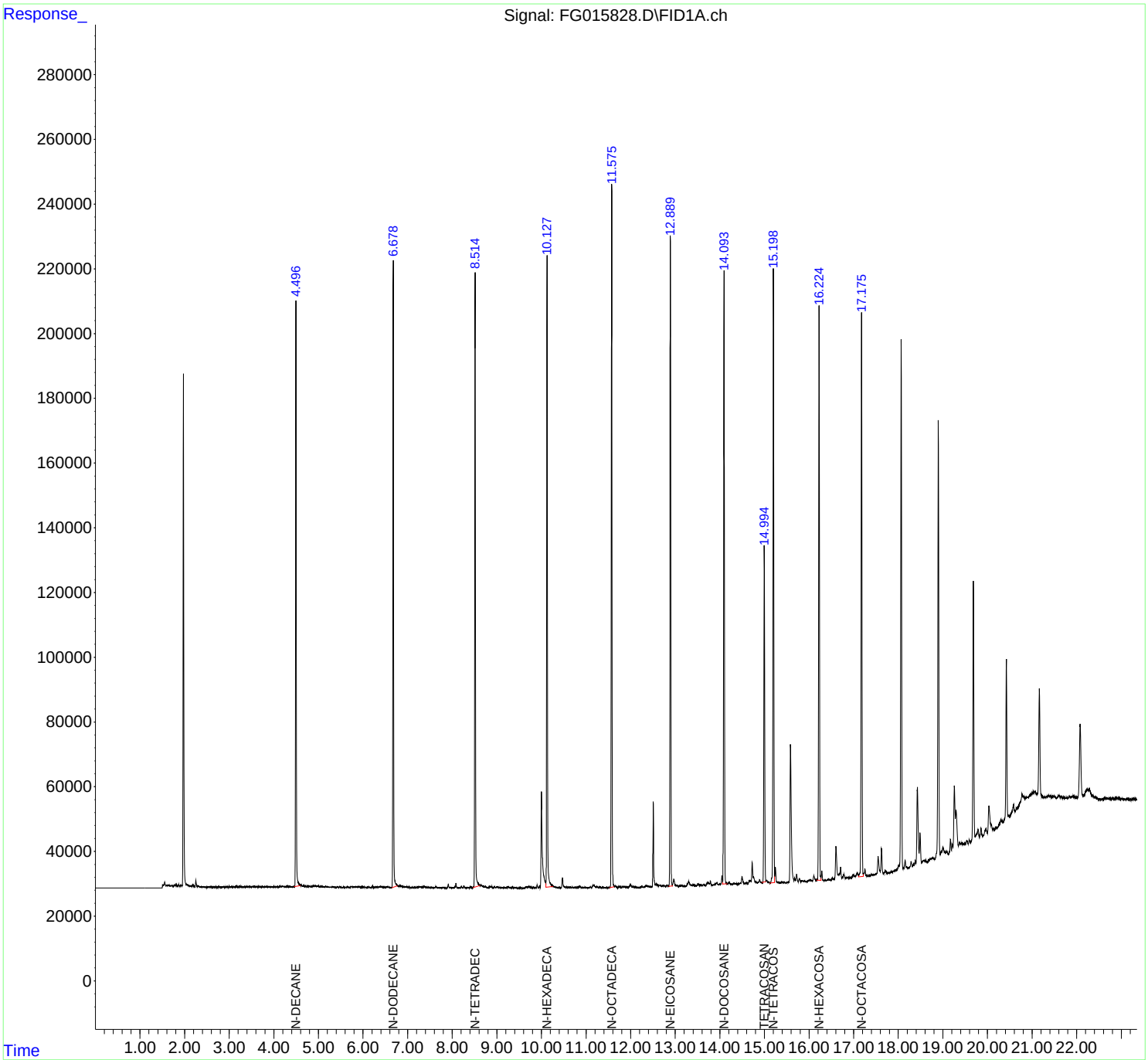
(f)=RT Delta > 1/2 Window (m)=manual int.

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

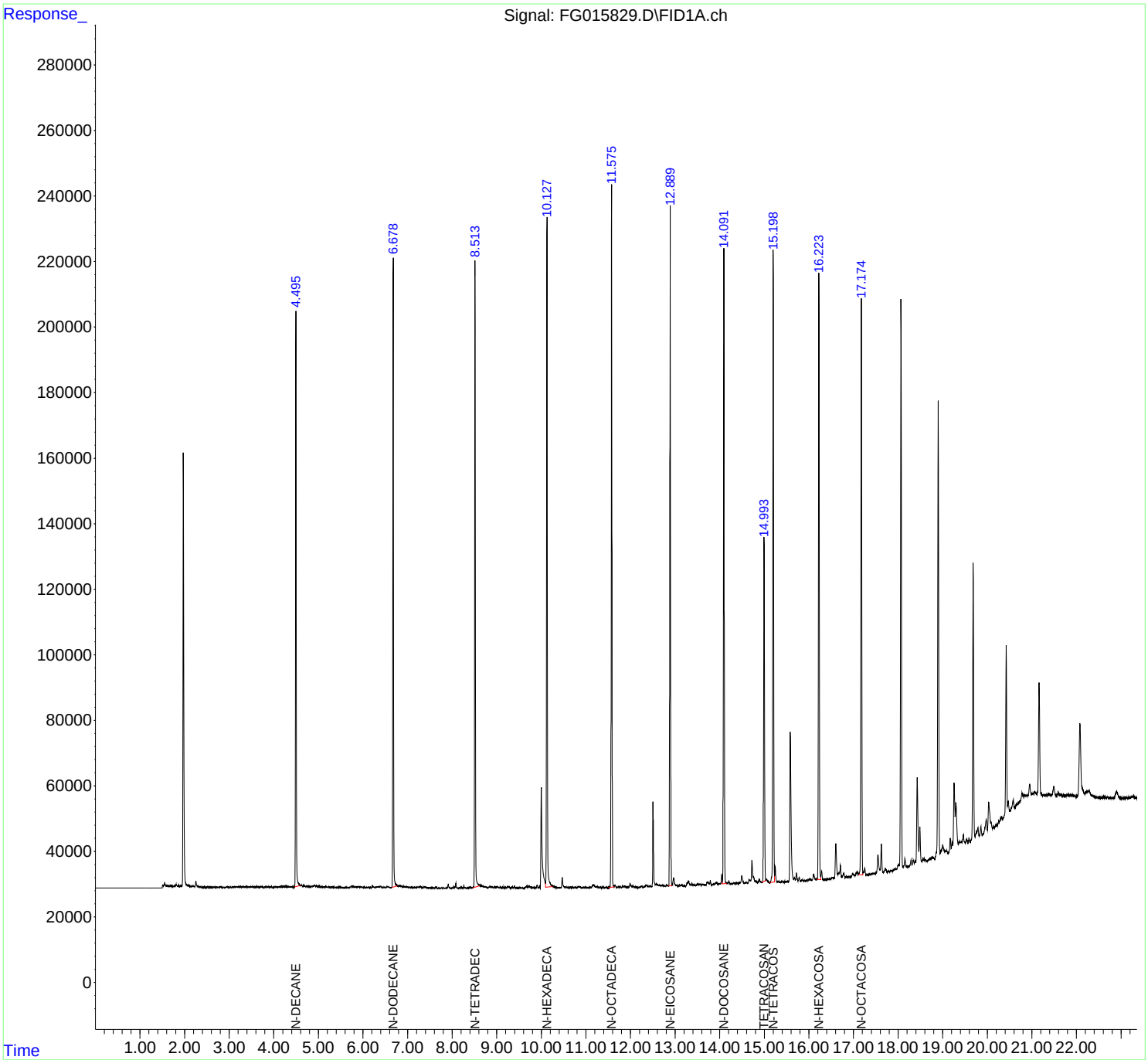
(f)=RT Delta > 1/2 Window (m)=manual int.

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
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

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

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	

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

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	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

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

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

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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-7	Diesel Range Organics	30.02	N/A	ritesh	Evelyn	1	E		3
Q1982-08	TP-8	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
5/13

*** Extracts relinquished on the same date as received.**

Q2010 1675 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-7	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L41	05/07/2025	8015D
Q1982-08	TP-8	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

876 of 942

Date/Time 05/13/25 10:00
Raw Sample Received by: RJ (ECL-Lab)
Raw Sample Relinquished by: CA SM

Date/Time 05/13/25 10:30
Raw Sample Received by: CA SM
Raw Sample Relinquished by: RJ (ECL-Lab)

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

LAB CHRONICLE

OrderID:	Q2010	**OrderDate:**	5/9/2025 4:00:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2010-01	**TP-10**	**SOIL**			**05/08/25**			**05/09/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
Q2010-02	**TP-13**	**SOIL**			**05/08/25**			**05/09/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
Q2010-03	**TP-14**	**SOIL**			**05/08/25**			**05/09/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
Q2010-04	**TP-17**	**SOIL**			**05/08/25**			**05/09/25**
			Diesel Range Organics	8015D		05/13/25	05/14/25	
			Gasoline Range Organics	8015D			05/13/25	

Alliance TECHNICAL GROUP
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Hit Summary Sheet
SW-846

SDG No.: Q2010 **Order ID:** Q2010

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-10								
Q2010-01	TP-10	SOIL	Aluminum	5560		0.85	5.03	mg/Kg
Q2010-01	TP-10	SOIL	Arsenic	6.09		0.19	1.01	mg/Kg
Q2010-01	TP-10	SOIL	Barium	23.1		0.74	5.03	mg/Kg
Q2010-01	TP-10	SOIL	Beryllium	0.71		0.025	0.30	mg/Kg
Q2010-01	TP-10	SOIL	Calcium	5780		11.2	101	mg/Kg
Q2010-01	TP-10	SOIL	Chromium	18.7		0.047	0.50	mg/Kg
Q2010-01	TP-10	SOIL	Cobalt	3.32		0.10	1.51	mg/Kg
Q2010-01	TP-10	SOIL	Copper	13.1		0.22	1.01	mg/Kg
Q2010-01	TP-10	SOIL	Iron	20600		4.02	5.03	mg/Kg
Q2010-01	TP-10	SOIL	Lead	18.3		0.13	0.60	mg/Kg
Q2010-01	TP-10	SOIL	Magnesium	1500		12.1	101	mg/Kg
Q2010-01	TP-10	SOIL	Manganese	66.3		0.14	1.01	mg/Kg
Q2010-01	TP-10	SOIL	Mercury	0.027		0.0080	0.014	mg/Kg
Q2010-01	TP-10	SOIL	Nickel	5.39		0.13	2.01	mg/Kg
Q2010-01	TP-10	SOIL	Potassium	354		27.9	101	mg/Kg
Q2010-01	TP-10	SOIL	Selenium	1.71		0.26	1.01	mg/Kg
Q2010-01	TP-10	SOIL	Sodium	141		17.9	101	mg/Kg
Q2010-01	TP-10	SOIL	Thallium	1.19	J	0.23	2.01	mg/Kg
Q2010-01	TP-10	SOIL	Vanadium	22.0		0.25	2.01	mg/Kg
Q2010-01	TP-10	SOIL	Zinc	24.3		0.23	2.01	mg/Kg
Client ID : TP-13								
Q2010-02	TP-13	SOIL	Aluminum	1420		0.95	5.67	mg/Kg
Q2010-02	TP-13	SOIL	Arsenic	2.01		0.22	1.13	mg/Kg
Q2010-02	TP-13	SOIL	Barium	88.5		0.83	5.67	mg/Kg
Q2010-02	TP-13	SOIL	Beryllium	0.66		0.028	0.34	mg/Kg
Q2010-02	TP-13	SOIL	Calcium	736		12.6	113	mg/Kg
Q2010-02	TP-13	SOIL	Chromium	3.18		0.053	0.57	mg/Kg
Q2010-02	TP-13	SOIL	Cobalt	11.6		0.11	1.70	mg/Kg
Q2010-02	TP-13	SOIL	Copper	8.79		0.25	1.13	mg/Kg
Q2010-02	TP-13	SOIL	Iron	52100		4.52	5.67	mg/Kg
Q2010-02	TP-13	SOIL	Lead	3.70		0.15	0.68	mg/Kg
Q2010-02	TP-13	SOIL	Magnesium	36.5	J	13.6	113	mg/Kg
Q2010-02	TP-13	SOIL	Manganese	1880		0.16	1.13	mg/Kg
Q2010-02	TP-13	SOIL	Mercury	0.029		0.0080	0.015	mg/Kg
Q2010-02	TP-13	SOIL	Nickel	4.50		0.15	2.27	mg/Kg
Q2010-02	TP-13	SOIL	Potassium	86.9	J	31.4	113	mg/Kg
Q2010-02	TP-13	SOIL	Selenium	4.21		0.30	1.13	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2010 **Order ID:** Q2010

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2010-02	TP-13	SOIL	Sodium	180		20.2	113	mg/Kg
Q2010-02	TP-13	SOIL	Thallium	4.13		0.26	2.27	mg/Kg
Q2010-02	TP-13	SOIL	Vanadium	4.94		0.28	2.27	mg/Kg
Q2010-02	TP-13	SOIL	Zinc	5.63		0.26	2.27	mg/Kg
Client ID : TP-14								
Q2010-03	TP-14	SOIL	Aluminum	3690		0.98	5.85	mg/Kg
Q2010-03	TP-14	SOIL	Arsenic	4.94		0.22	1.17	mg/Kg
Q2010-03	TP-14	SOIL	Barium	13.7		0.85	5.85	mg/Kg
Q2010-03	TP-14	SOIL	Beryllium	0.64		0.029	0.35	mg/Kg
Q2010-03	TP-14	SOIL	Calcium	468		13.0	117	mg/Kg
Q2010-03	TP-14	SOIL	Chromium	19.5		0.055	0.59	mg/Kg
Q2010-03	TP-14	SOIL	Cobalt	1.73	J	0.12	1.75	mg/Kg
Q2010-03	TP-14	SOIL	Copper	19.8		0.26	1.17	mg/Kg
Q2010-03	TP-14	SOIL	Iron	24600		4.66	5.85	mg/Kg
Q2010-03	TP-14	SOIL	Lead	10.7		0.15	0.70	mg/Kg
Q2010-03	TP-14	SOIL	Magnesium	308		14.0	117	mg/Kg
Q2010-03	TP-14	SOIL	Manganese	45.0		0.16	1.17	mg/Kg
Q2010-03	TP-14	SOIL	Mercury	0.021		0.0090	0.016	mg/Kg
Q2010-03	TP-14	SOIL	Nickel	2.19	J	0.15	2.34	mg/Kg
Q2010-03	TP-14	SOIL	Potassium	385		32.4	117	mg/Kg
Q2010-03	TP-14	SOIL	Selenium	1.90		0.30	1.17	mg/Kg
Q2010-03	TP-14	SOIL	Sodium	134		20.8	117	mg/Kg
Q2010-03	TP-14	SOIL	Thallium	1.95	J	0.27	2.34	mg/Kg
Q2010-03	TP-14	SOIL	Vanadium	22.7		0.29	2.34	mg/Kg
Q2010-03	TP-14	SOIL	Zinc	18.0		0.27	2.34	mg/Kg
Client ID : TP-17								
Q2010-04	TP-17	SOIL	Aluminum	1840		0.92	5.45	mg/Kg
Q2010-04	TP-17	SOIL	Arsenic	2.77		0.21	1.09	mg/Kg
Q2010-04	TP-17	SOIL	Barium	61.7		0.80	5.45	mg/Kg
Q2010-04	TP-17	SOIL	Beryllium	0.45		0.027	0.33	mg/Kg
Q2010-04	TP-17	SOIL	Calcium	989		12.1	109	mg/Kg
Q2010-04	TP-17	SOIL	Chromium	14.4		0.051	0.55	mg/Kg
Q2010-04	TP-17	SOIL	Cobalt	1.63	J	0.11	1.64	mg/Kg
Q2010-04	TP-17	SOIL	Copper	18.6		0.24	1.09	mg/Kg
Q2010-04	TP-17	SOIL	Iron	21000		4.35	5.45	mg/Kg
Q2010-04	TP-17	SOIL	Lead	7.32		0.14	0.65	mg/Kg
Q2010-04	TP-17	SOIL	Magnesium	141		13.1	109	mg/Kg
Q2010-04	TP-17	SOIL	Manganese	136		0.15	1.09	mg/Kg
Q2010-04	TP-17	SOIL	Mercury	0.014	J	0.0090	0.017	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2010 **Order ID:** Q2010

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2010-04	TP-17	SOIL	Nickel	1.09	J	0.14	2.18	mg/Kg
Q2010-04	TP-17	SOIL	Potassium	369		30.2	109	mg/Kg
Q2010-04	TP-17	SOIL	Selenium	1.59		0.28	1.09	mg/Kg
Q2010-04	TP-17	SOIL	Sodium	122		19.4	109	mg/Kg
Q2010-04	TP-17	SOIL	Thallium	0.65	J	0.25	2.18	mg/Kg
Q2010-04	TP-17	SOIL	Vanadium	114		0.27	2.18	mg/Kg
Q2010-04	TP-17	SOIL	Zinc	2.73		0.25	2.18	mg/Kg

SAMPLE DATA

Alliance TECHNICAL GROUP
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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-10	SDG No.:	Q2010
Lab Sample ID:	Q2010-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	93.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5560		1	0.85	5.03	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.52	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-38-2	Arsenic	6.09		1	0.19	1.01	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-39-3	Barium	23.1		1	0.74	5.03	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-41-7	Beryllium	0.71		1	0.025	0.30	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-70-2	Calcium	5780	*	1	11.2	101	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-47-3	Chromium	18.7		1	0.047	0.50	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-48-4	Cobalt	3.32		1	0.10	1.51	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-50-8	Copper	13.1		1	0.22	1.01	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7439-89-6	Iron	20600		1	4.02	5.03	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7439-92-1	Lead	18.3		1	0.13	0.60	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7439-95-4	Magnesium	1500		1	12.1	101	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7439-96-5	Manganese	66.3		1	0.14	1.01	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7439-97-6	Mercury	0.027		1	0.0080	0.014	mg/Kg	05/13/25 08:35	05/13/25 12:26	7471B	
7440-02-0	Nickel	5.39		1	0.13	2.01	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-09-7	Potassium	354		1	27.9	101	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7782-49-2	Selenium	1.71		1	0.26	1.01	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-22-4	Silver	0.12	U	1	0.12	0.50	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-23-5	Sodium	141	N	1	17.9	101	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-28-0	Thallium	1.19	J	1	0.23	2.01	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-62-2	Vanadium	22.0		1	0.25	2.01	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-66-6	Zinc	24.3		1	0.23	2.01	mg/Kg	05/13/25 10:05	05/16/25 14:28	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:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-13	SDG No.:	Q2010
Lab Sample ID:	Q2010-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	84.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	1420		1	0.95	5.67	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-36-0	Antimony	0.25	UN	1	0.25	2.83	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-38-2	Arsenic	2.01		1	0.22	1.13	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-39-3	Barium	88.5		1	0.83	5.67	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-41-7	Beryllium	0.66		1	0.028	0.34	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-43-9	Cadmium	0.027	U	1	0.027	0.34	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-70-2	Calcium	736	*	1	12.6	113	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-47-3	Chromium	3.18		1	0.053	0.57	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-48-4	Cobalt	11.6		1	0.11	1.70	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-50-8	Copper	8.79		1	0.25	1.13	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7439-89-6	Iron	52100		1	4.52	5.67	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7439-92-1	Lead	3.70		1	0.15	0.68	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7439-95-4	Magnesium	36.5	J	1	13.6	113	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7439-96-5	Manganese	1880		1	0.16	1.13	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7439-97-6	Mercury	0.029		1	0.0080	0.015	mg/Kg	05/13/25 08:35	05/13/25 12:28	7471B	
7440-02-0	Nickel	4.50		1	0.15	2.27	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-09-7	Potassium	86.9	J	1	31.4	113	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7782-49-2	Selenium	4.21		1	0.30	1.13	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-22-4	Silver	0.14	U	1	0.14	0.57	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-23-5	Sodium	180	N	1	20.2	113	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-28-0	Thallium	4.13		1	0.26	2.27	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-62-2	Vanadium	4.94		1	0.28	2.27	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-66-6	Zinc	5.63		1	0.26	2.27	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
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N =Spiked sample recovery not within control limits

Alliance TECHNICAL GROUP
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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-14	SDG No.:	Q2010
Lab Sample ID:	Q2010-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	80.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3690		1	0.98	5.85	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-36-0	Antimony	0.26	UN	1	0.26	2.92	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-38-2	Arsenic	4.94		1	0.22	1.17	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-39-3	Barium	13.7		1	0.85	5.85	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-41-7	Beryllium	0.64		1	0.029	0.35	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-43-9	Cadmium	0.028	U	1	0.028	0.35	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-70-2	Calcium	468	*	1	13.0	117	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-47-3	Chromium	19.5		1	0.055	0.59	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-48-4	Cobalt	1.73	J	1	0.12	1.75	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-50-8	Copper	19.8		1	0.26	1.17	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7439-89-6	Iron	24600		1	4.66	5.85	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7439-92-1	Lead	10.7		1	0.15	0.70	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7439-95-4	Magnesium	308		1	14.0	117	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7439-96-5	Manganese	45.0		1	0.16	1.17	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7439-97-6	Mercury	0.021		1	0.0090	0.016	mg/Kg	05/13/25 08:35	05/13/25 12:30	7471B	
7440-02-0	Nickel	2.19	J	1	0.15	2.34	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-09-7	Potassium	385		1	32.4	117	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7782-49-2	Selenium	1.90		1	0.30	1.17	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-22-4	Silver	0.14	U	1	0.14	0.59	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-23-5	Sodium	134	N	1	20.8	117	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-28-0	Thallium	1.95	J	1	0.27	2.34	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-62-2	Vanadium	22.7		1	0.29	2.34	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-66-6	Zinc	18.0		1	0.27	2.34	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
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Alliance TECHNICAL GROUP
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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-17	SDG No.:	Q2010
Lab Sample ID:	Q2010-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	77.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	1840		1	0.92	5.45	mg/Kg	05/13/25 10:05	05/16/25 14:53	6010D	SW3050
7440-36-0	Antimony	0.24	UN	1	0.24	2.73	mg/Kg	05/13/25 10:05	05/16/25 14:53	6010D	SW3050
7440-38-2	Arsenic	2.77		1	0.21	1.09	mg/Kg	05/13/25 10:05	05/16/25 14:53	6010D	SW3050
7440-39-3	Barium	61.7		1	0.80	5.45	mg/Kg	05/13/25 10:05	05/16/25 14:53	6010D	SW3050
7440-41-7	Beryllium	0.45		1	0.027	0.33	mg/Kg	05/13/25 10:05	05/16/25 14:53	6010D	SW3050
7440-43-9	Cadmium	0.026	U	1	0.026	0.33	mg/Kg	05/13/25 10:05	05/16/25 14:53	6010D	SW3050
7440-70-2	Calcium	989	*	1	12.1	109	mg/Kg	05/13/25 10:05	05/16/25 14:53	6010D	SW3050
7440-47-3	Chromium	14.4		1	0.051	0.55	mg/Kg	05/13/25 10:05	05/16/25 14:53	6010D	SW3050
7440-48-4	Cobalt	1.63	J	1	0.11	1.64	mg/Kg	05/13/25 10:05	05/16/25 14:53	6010D	SW3050
7440-50-8	Copper	18.6		1	0.24	1.09	mg/Kg	05/13/25 10:05	05/16/25 14:53	6010D	SW3050
7439-89-6	Iron	21000		1	4.35	5.45	mg/Kg	05/13/25 10:05	05/16/25 14:53	6010D	SW3050
7439-92-1	Lead	7.32		1	0.14	0.65	mg/Kg	05/13/25 10:05	05/16/25 14:53	6010D	SW3050
7439-95-4	Magnesium	141		1	13.1	109	mg/Kg	05/13/25 10:05	05/16/25 14:53	6010D	SW3050
7439-96-5	Manganese	136		1	0.15	1.09	mg/Kg	05/13/25 10:05	05/16/25 14:53	6010D	SW3050
7439-97-6	Mercury	0.014	J	1	0.0090	0.017	mg/Kg	05/13/25 08:35	05/13/25 12:32	7471B	
7440-02-0	Nickel	1.09	J	1	0.14	2.18	mg/Kg	05/13/25 10:05	05/16/25 14:53	6010D	SW3050
7440-09-7	Potassium	369		1	30.2	109	mg/Kg	05/13/25 10:05	05/16/25 14:53	6010D	SW3050
7782-49-2	Selenium	1.59		1	0.28	1.09	mg/Kg	05/13/25 10:05	05/16/25 14:53	6010D	SW3050
7440-22-4	Silver	0.13	U	1	0.13	0.55	mg/Kg	05/13/25 10:05	05/16/25 14:53	6010D	SW3050
7440-23-5	Sodium	122	N	1	19.4	109	mg/Kg	05/13/25 10:05	05/16/25 14:53	6010D	SW3050
7440-28-0	Thallium	0.65	J	1	0.25	2.18	mg/Kg	05/13/25 10:05	05/16/25 14:53	6010D	SW3050
7440-62-2	Vanadium	114		1	0.27	2.18	mg/Kg	05/13/25 10:05	05/16/25 14:53	6010D	SW3050
7440-66-6	Zinc	2.73		1	0.25	2.18	mg/Kg	05/13/25 10:05	05/16/25 14:53	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB07	Mercury	0.20	+/-0.20	U	0.20	CV	05/13/2025	11:09	LB135751

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB17	Mercury	0.20	+/-0.20	U	0.20	CV	05/13/2025	11:14	LB135751
CCB18	Mercury	0.20	+/-0.20	U	0.20	CV	05/13/2025	11:46	LB135751
CCB19	Mercury	0.20	+/-0.20	U	0.20	CV	05/13/2025	12:19	LB135751
CCB20	Mercury	0.20	+/-0.20	U	0.20	CV	05/13/2025	12:46	LB135751
CCB21	Mercury	0.20	+/-0.20	U	0.20	CV	05/13/2025	13:19	LB135751

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010

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	05/16/2025	13:05	LB135802
	Antimony	50.0	+/-50.0	U	50.0	P	05/16/2025	13:05	LB135802
	Arsenic	20.0	+/-20.0	U	20.0	P	05/16/2025	13:05	LB135802
	Barium	100	+/-100	U	100	P	05/16/2025	13:05	LB135802
	Beryllium	6.00	+/-6.00	U	6.00	P	05/16/2025	13:05	LB135802
	Cadmium	6.00	+/-6.00	U	6.00	P	05/16/2025	13:05	LB135802
	Calcium	2000	+/-2000	U	2000	P	05/16/2025	13:05	LB135802
	Chromium	10.0	+/-10.0	U	10.0	P	05/16/2025	13:05	LB135802
	Cobalt	30.0	+/-30.0	U	30.0	P	05/16/2025	13:05	LB135802
	Copper	20.0	+/-20.0	U	20.0	P	05/16/2025	13:05	LB135802
	Iron	100	+/-100	U	100	P	05/16/2025	13:05	LB135802
	Lead	12.0	+/-12.0	U	12.0	P	05/16/2025	13:05	LB135802
	Magnesium	2000	+/-2000	U	2000	P	05/16/2025	13:05	LB135802
	Manganese	20.0	+/-20.0	U	20.0	P	05/16/2025	13:05	LB135802
	Nickel	40.0	+/-40.0	U	40.0	P	05/16/2025	13:05	LB135802
	Potassium	2000	+/-2000	U	2000	P	05/16/2025	13:05	LB135802
	Selenium	20.0	+/-20.0	U	20.0	P	05/16/2025	13:05	LB135802
	Silver	10.0	+/-10.0	U	10.0	P	05/16/2025	13:05	LB135802
	Sodium	2000	+/-2000	U	2000	P	05/16/2025	13:05	LB135802
	Thallium	40.0	+/-40.0	U	40.0	P	05/16/2025	13:05	LB135802
	Vanadium	40.0	+/-40.0	U	40.0	P	05/16/2025	13:05	LB135802
	Zinc	40.0	+/-40.0	U	40.0	P	05/16/2025	13:05	LB135802

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010

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	05/16/2025	13:39	LB135802
	Antimony	50.0	+/-50.0	U	50.0	P	05/16/2025	13:39	LB135802
	Arsenic	20.0	+/-20.0	U	20.0	P	05/16/2025	13:39	LB135802
	Barium	100	+/-100	U	100	P	05/16/2025	13:39	LB135802
	Beryllium	6.00	+/-6.00	U	6.00	P	05/16/2025	13:39	LB135802
	Cadmium	6.00	+/-6.00	U	6.00	P	05/16/2025	13:39	LB135802
	Calcium	2000	+/-2000	U	2000	P	05/16/2025	13:39	LB135802
	Chromium	10.0	+/-10.0	U	10.0	P	05/16/2025	13:39	LB135802
	Cobalt	30.0	+/-30.0	U	30.0	P	05/16/2025	13:39	LB135802
	Copper	20.0	+/-20.0	U	20.0	P	05/16/2025	13:39	LB135802
	Iron	100	+/-100	U	100	P	05/16/2025	13:39	LB135802
	Lead	12.0	+/-12.0	U	12.0	P	05/16/2025	13:39	LB135802
	Magnesium	2000	+/-2000	U	2000	P	05/16/2025	13:39	LB135802
	Manganese	20.0	+/-20.0	U	20.0	P	05/16/2025	13:39	LB135802
	Nickel	40.0	+/-40.0	U	40.0	P	05/16/2025	13:39	LB135802
	Potassium	2000	+/-2000	U	2000	P	05/16/2025	13:39	LB135802
	Selenium	20.0	+/-20.0	U	20.0	P	05/16/2025	13:39	LB135802
	Silver	10.0	+/-10.0	U	10.0	P	05/16/2025	13:39	LB135802
	Sodium	2000	+/-2000	U	2000	P	05/16/2025	13:39	LB135802
	Thallium	40.0	+/-40.0	U	40.0	P	05/16/2025	13:39	LB135802
	Vanadium	40.0	+/-40.0	U	40.0	P	05/16/2025	13:39	LB135802
	Zinc	40.0	+/-40.0	U	40.0	P	05/16/2025	13:39	LB135802
CCB02	Aluminum	100	+/-100	U	100	P	05/16/2025	14:40	LB135802
	Antimony	50.0	+/-50.0	U	50.0	P	05/16/2025	14:40	LB135802
	Arsenic	20.0	+/-20.0	U	20.0	P	05/16/2025	14:40	LB135802
	Barium	100	+/-100	U	100	P	05/16/2025	14:40	LB135802
	Beryllium	6.00	+/-6.00	U	6.00	P	05/16/2025	14:40	LB135802
	Cadmium	6.00	+/-6.00	U	6.00	P	05/16/2025	14:40	LB135802
	Calcium	2000	+/-2000	U	2000	P	05/16/2025	14:40	LB135802
	Chromium	10.0	+/-10.0	U	10.0	P	05/16/2025	14:40	LB135802
	Cobalt	30.0	+/-30.0	U	30.0	P	05/16/2025	14:40	LB135802
	Copper	20.0	+/-20.0	U	20.0	P	05/16/2025	14:40	LB135802
	Iron	100	+/-100	U	100	P	05/16/2025	14:40	LB135802
	Lead	12.0	+/-12.0	U	12.0	P	05/16/2025	14:40	LB135802
	Magnesium	2000	+/-2000	U	2000	P	05/16/2025	14:40	LB135802
	Manganese	20.0	+/-20.0	U	20.0	P	05/16/2025	14:40	LB135802
	Nickel	40.0	+/-40.0	U	40.0	P	05/16/2025	14:40	LB135802
	Potassium	2000	+/-2000	U	2000	P	05/16/2025	14:40	LB135802
	Selenium	20.0	+/-20.0	U	20.0	P	05/16/2025	14:40	LB135802

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010

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	05/16/2025	14:40	LB135802
	Sodium	2000	+/-2000	U	2000	P	05/16/2025	14:40	LB135802
	Thallium	40.0	+/-40.0	U	40.0	P	05/16/2025	14:40	LB135802
	Vanadium	40.0	+/-40.0	U	40.0	P	05/16/2025	14:40	LB135802
	Zinc	40.0	+/-40.0	U	40.0	P	05/16/2025	14:40	LB135802
CCB03	Aluminum	100	+/-100	U	100	P	05/16/2025	15:26	LB135802
	Antimony	50.0	+/-50.0	U	50.0	P	05/16/2025	15:26	LB135802
	Arsenic	20.0	+/-20.0	U	20.0	P	05/16/2025	15:26	LB135802
	Barium	100	+/-100	U	100	P	05/16/2025	15:26	LB135802
	Beryllium	6.00	+/-6.00	U	6.00	P	05/16/2025	15:26	LB135802
	Cadmium	6.00	+/-6.00	U	6.00	P	05/16/2025	15:26	LB135802
	Calcium	2000	+/-2000	U	2000	P	05/16/2025	15:26	LB135802
	Chromium	10.0	+/-10.0	U	10.0	P	05/16/2025	15:26	LB135802
	Cobalt	30.0	+/-30.0	U	30.0	P	05/16/2025	15:26	LB135802
	Copper	20.0	+/-20.0	U	20.0	P	05/16/2025	15:26	LB135802
	Iron	100	+/-100	U	100	P	05/16/2025	15:26	LB135802
	Lead	12.0	+/-12.0	U	12.0	P	05/16/2025	15:26	LB135802
	Magnesium	2000	+/-2000	U	2000	P	05/16/2025	15:26	LB135802
	Manganese	20.0	+/-20.0	U	20.0	P	05/16/2025	15:26	LB135802
	Nickel	40.0	+/-40.0	U	40.0	P	05/16/2025	15:26	LB135802
	Potassium	2000	+/-2000	U	2000	P	05/16/2025	15:26	LB135802
	Selenium	20.0	+/-20.0	U	20.0	P	05/16/2025	15:26	LB135802
	Silver	10.0	+/-10.0	U	10.0	P	05/16/2025	15:26	LB135802
	Sodium	2000	+/-2000	U	2000	P	05/16/2025	15:26	LB135802
	Thallium	40.0	+/-40.0	U	40.0	P	05/16/2025	15:26	LB135802
	Vanadium	40.0	+/-40.0	U	40.0	P	05/16/2025	15:26	LB135802
	Zinc	40.0	+/-40.0	U	40.0	P	05/16/2025	15:26	LB135802
CCB04	Aluminum	100	+/-100	U	100	P	05/16/2025	16:12	LB135802
	Antimony	50.0	+/-50.0	U	50.0	P	05/16/2025	16:12	LB135802
	Arsenic	20.0	+/-20.0	U	20.0	P	05/16/2025	16:12	LB135802
	Barium	100	+/-100	U	100	P	05/16/2025	16:12	LB135802
	Beryllium	6.00	+/-6.00	U	6.00	P	05/16/2025	16:12	LB135802
	Cadmium	6.00	+/-6.00	U	6.00	P	05/16/2025	16:12	LB135802
	Calcium	2000	+/-2000	U	2000	P	05/16/2025	16:12	LB135802
	Chromium	10.0	+/-10.0	U	10.0	P	05/16/2025	16:12	LB135802
	Cobalt	30.0	+/-30.0	U	30.0	P	05/16/2025	16:12	LB135802
	Copper	20.0	+/-20.0	U	20.0	P	05/16/2025	16:12	LB135802
	Iron	100	+/-100	U	100	P	05/16/2025	16:12	LB135802
	Lead	12.0	+/-12.0	U	12.0	P	05/16/2025	16:12	LB135802

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010

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	05/16/2025	16:12	LB135802
	Manganese	20.0	+/-20.0	U	20.0	P	05/16/2025	16:12	LB135802
	Nickel	40.0	+/-40.0	U	40.0	P	05/16/2025	16:12	LB135802
	Potassium	2000	+/-2000	U	2000	P	05/16/2025	16:12	LB135802
	Selenium	20.0	+/-20.0	U	20.0	P	05/16/2025	16:12	LB135802
	Silver	10.0	+/-10.0	U	10.0	P	05/16/2025	16:12	LB135802
	Sodium	2000	+/-2000	U	2000	P	05/16/2025	16:12	LB135802
	Thallium	40.0	+/-40.0	U	40.0	P	05/16/2025	16:12	LB135802
	Vanadium	40.0	+/-40.0	U	40.0	P	05/16/2025	16:12	LB135802
	Zinc	40.0	+/-40.0	U	40.0	P	05/16/2025	16:12	LB135802
CCB05	Aluminum	100	+/-100	U	100	P	05/16/2025	16:58	LB135802
	Antimony	50.0	+/-50.0	U	50.0	P	05/16/2025	16:58	LB135802
	Arsenic	20.0	+/-20.0	U	20.0	P	05/16/2025	16:58	LB135802
	Barium	100	+/-100	U	100	P	05/16/2025	16:58	LB135802
	Beryllium	6.00	+/-6.00	U	6.00	P	05/16/2025	16:58	LB135802
	Cadmium	6.00	+/-6.00	U	6.00	P	05/16/2025	16:58	LB135802
	Calcium	2000	+/-2000	U	2000	P	05/16/2025	16:58	LB135802
	Chromium	10.0	+/-10.0	U	10.0	P	05/16/2025	16:58	LB135802
	Cobalt	30.0	+/-30.0	U	30.0	P	05/16/2025	16:58	LB135802
	Copper	20.0	+/-20.0	U	20.0	P	05/16/2025	16:58	LB135802
	Iron	100	+/-100	U	100	P	05/16/2025	16:58	LB135802
	Lead	12.0	+/-12.0	U	12.0	P	05/16/2025	16:58	LB135802
	Magnesium	2000	+/-2000	U	2000	P	05/16/2025	16:58	LB135802
	Manganese	20.0	+/-20.0	U	20.0	P	05/16/2025	16:58	LB135802
	Nickel	40.0	+/-40.0	U	40.0	P	05/16/2025	16:58	LB135802
	Potassium	2000	+/-2000	U	2000	P	05/16/2025	16:58	LB135802
	Selenium	20.0	+/-20.0	U	20.0	P	05/16/2025	16:58	LB135802
	Silver	10.0	+/-10.0	U	10.0	P	05/16/2025	16:58	LB135802
	Sodium	2000	+/-2000	U	2000	P	05/16/2025	16:58	LB135802
	Thallium	40.0	+/-40.0	U	40.0	P	05/16/2025	16:58	LB135802
	Vanadium	40.0	+/-40.0	U	40.0	P	05/16/2025	16:58	LB135802
	Zinc	40.0	+/-40.0	U	40.0	P	05/16/2025	16:58	LB135802
CCB06	Aluminum	100	+/-100	U	100	P	05/16/2025	17:32	LB135802
	Antimony	50.0	+/-50.0	U	50.0	P	05/16/2025	17:32	LB135802
	Arsenic	20.0	+/-20.0	U	20.0	P	05/16/2025	17:32	LB135802
	Barium	100	+/-100	U	100	P	05/16/2025	17:32	LB135802
	Beryllium	6.00	+/-6.00	U	6.00	P	05/16/2025	17:32	LB135802
	Cadmium	6.00	+/-6.00	U	6.00	P	05/16/2025	17:32	LB135802
	Calcium	2000	+/-2000	U	2000	P	05/16/2025	17:32	LB135802

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010

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	05/16/2025	17:32	LB135802
	Cobalt	30.0	+/-30.0	U	30.0	P	05/16/2025	17:32	LB135802
	Copper	20.0	+/-20.0	U	20.0	P	05/16/2025	17:32	LB135802
	Iron	100	+/-100	U	100	P	05/16/2025	17:32	LB135802
	Lead	12.0	+/-12.0	U	12.0	P	05/16/2025	17:32	LB135802
	Magnesium	2000	+/-2000	U	2000	P	05/16/2025	17:32	LB135802
	Manganese	20.0	+/-20.0	U	20.0	P	05/16/2025	17:32	LB135802
	Nickel	40.0	+/-40.0	U	40.0	P	05/16/2025	17:32	LB135802
	Potassium	2000	+/-2000	U	2000	P	05/16/2025	17:32	LB135802
	Selenium	20.0	+/-20.0	U	20.0	P	05/16/2025	17:32	LB135802
	Silver	10.0	+/-10.0	U	10.0	P	05/16/2025	17:32	LB135802
	Sodium	2000	+/-2000	U	2000	P	05/16/2025	17:32	LB135802
	Thallium	40.0	+/-40.0	U	40.0	P	05/16/2025	17:32	LB135802
	Vanadium	40.0	+/-40.0	U	40.0	P	05/16/2025	17:32	LB135802
	Zinc	40.0	+/-40.0	U	40.0	P	05/16/2025	17:32	LB135802

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2010

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB167983BL		**SOLID**		**Batch Number:**	**PB167983**		**Prep Date:**	**05/13/2025**	
	Mercury	0.013	<0.013	U	0.013	CV	05/13/2025	12:21	LB135751

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2010

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB167977BL		**SOLID**		**Batch Number:**	**PB167977**		**Prep Date:**	**05/13/2025**	
	Aluminum	5.00	<5.00	U	5.00	P	05/16/2025	14:20	LB135802
	Antimony	2.50	<2.50	U	2.50	P	05/16/2025	14:20	LB135802
	Arsenic	1.00	<1.00	U	1.00	P	05/16/2025	14:20	LB135802
	Barium	5.00	<5.00	U	5.00	P	05/16/2025	14:20	LB135802
	Beryllium	0.30	<0.30	U	0.30	P	05/16/2025	14:20	LB135802
	Cadmium	0.30	<0.30	U	0.30	P	05/16/2025	14:20	LB135802
	Calcium	100	<100	U	100	P	05/16/2025	14:20	LB135802
	Chromium	0.50	<0.50	U	0.50	P	05/16/2025	14:20	LB135802
	Cobalt	1.50	<1.50	U	1.50	P	05/16/2025	14:20	LB135802
	Copper	1.00	<1.00	U	1.00	P	05/16/2025	14:20	LB135802
	Iron	5.00	<5.00	U	5.00	P	05/16/2025	14:20	LB135802
	Lead	0.60	<0.60	U	0.60	P	05/16/2025	14:20	LB135802
	Magnesium	100	<100	U	100	P	05/16/2025	14:20	LB135802
	Manganese	1.00	<1.00	U	1.00	P	05/16/2025	14:20	LB135802
	Nickel	2.00	<2.00	U	2.00	P	05/16/2025	14:20	LB135802
	Potassium	100	<100	U	100	P	05/16/2025	14:20	LB135802
	Selenium	1.00	<1.00	U	1.00	P	05/16/2025	14:20	LB135802
	Silver	0.50	<0.50	U	0.50	P	05/16/2025	14:20	LB135802
	Sodium	100	<100	U	100	P	05/16/2025	14:20	LB135802
	Thallium	2.00	<2.00	U	2.00	P	05/16/2025	14:20	LB135802
	Vanadium	2.00	<2.00	U	2.00	P	05/16/2025	14:20	LB135802
	Zinc	2.00	<2.00	U	2.00	P	05/16/2025	14:20	LB135802

METAL CALIBRATION DATA

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010

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
ICV07	Mercury	4.11	4.0	103	90 - 110	CV	05/13/2025	11:07	LB135751

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010

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
CCV17	Mercury	4.95	5.0	99	90 - 110	CV	05/13/2025	11:12	LB135751
CCV18	Mercury	4.92	5.0	98	90 - 110	CV	05/13/2025	11:44	LB135751
CCV19	Mercury	5.00	5.0	100	90 - 110	CV	05/13/2025	12:16	LB135751
CCV20	Mercury	5.19	5.0	104	90 - 110	CV	05/13/2025	12:44	LB135751
CCV21	Mercury	4.98	5.0	100	90 - 110	CV	05/13/2025	13:17	LB135751

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010

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	2430	2500	97	90 - 110	P	05/16/2025	12:48	LB135802
	Antimony	1030	1000	103	90 - 110	P	05/16/2025	12:48	LB135802
	Arsenic	1010	1000	101	90 - 110	P	05/16/2025	12:48	LB135802
	Barium	472	520	91	90 - 110	P	05/16/2025	12:48	LB135802
	Beryllium	488	510	96	90 - 110	P	05/16/2025	12:48	LB135802
	Cadmium	509	510	100	90 - 110	P	05/16/2025	12:48	LB135802
	Calcium	9510	10000	95	90 - 110	P	05/16/2025	12:48	LB135802
	Chromium	507	520	98	90 - 110	P	05/16/2025	12:48	LB135802
	Cobalt	500	520	96	90 - 110	P	05/16/2025	12:48	LB135802
	Copper	514	510	101	90 - 110	P	05/16/2025	12:48	LB135802
	Iron	9400	10000	94	90 - 110	P	05/16/2025	12:48	LB135802
	Lead	993	1000	99	90 - 110	P	05/16/2025	12:48	LB135802
	Magnesium	5580	6000	93	90 - 110	P	05/16/2025	12:48	LB135802
	Manganese	492	520	95	90 - 110	P	05/16/2025	12:48	LB135802
	Nickel	504	530	95	90 - 110	P	05/16/2025	12:48	LB135802
	Potassium	9190	9900	93	90 - 110	P	05/16/2025	12:48	LB135802
	Selenium	1020	1000	102	90 - 110	P	05/16/2025	12:48	LB135802
	Silver	226	250	90	90 - 110	P	05/16/2025	12:48	LB135802
	Sodium	9640	10000	96	90 - 110	P	05/16/2025	12:48	LB135802
	Thallium	1010	1000	101	90 - 110	P	05/16/2025	12:48	LB135802
	Vanadium	483	500	97	90 - 110	P	05/16/2025	12:48	LB135802
	Zinc	999	1000	100	90 - 110	P	05/16/2025	12:48	LB135802

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010

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	102	100	102	80 - 120	P	05/16/2025	13:00	LB135802
	Antimony	53.5	50.0	107	80 - 120	P	05/16/2025	13:00	LB135802
	Arsenic	21.5	20.0	107	80 - 120	P	05/16/2025	13:00	LB135802
	Barium	92.9	100	93	80 - 120	P	05/16/2025	13:00	LB135802
	Beryllium	5.54	6.0	92	80 - 120	P	05/16/2025	13:00	LB135802
	Cadmium	6.19	6.0	103	80 - 120	P	05/16/2025	13:00	LB135802
	Calcium	1970	2000	99	80 - 120	P	05/16/2025	13:00	LB135802
	Chromium	9.88	10.0	99	80 - 120	P	05/16/2025	13:00	LB135802
	Cobalt	29.7	30.0	99	80 - 120	P	05/16/2025	13:00	LB135802
	Copper	21.9	20.0	110	80 - 120	P	05/16/2025	13:00	LB135802
	Iron	104	100	104	80 - 120	P	05/16/2025	13:00	LB135802
	Lead	13.2	12.0	110	80 - 120	P	05/16/2025	13:00	LB135802
	Magnesium	2050	2000	103	80 - 120	P	05/16/2025	13:00	LB135802
	Manganese	19.8	20.0	99	80 - 120	P	05/16/2025	13:00	LB135802
	Nickel	40.2	40.0	100	80 - 120	P	05/16/2025	13:00	LB135802
	Potassium	1940	2000	97	80 - 120	P	05/16/2025	13:00	LB135802
	Selenium	22.0	20.0	110	80 - 120	P	05/16/2025	13:00	LB135802
	Silver	9.86	10.0	99	80 - 120	P	05/16/2025	13:00	LB135802
	Sodium	1670	2000	83	80 - 120	P	05/16/2025	13:00	LB135802
	Thallium	39.9	40.0	100	80 - 120	P	05/16/2025	13:00	LB135802
	Vanadium	39.6	40.0	99	80 - 120	P	05/16/2025	13:00	LB135802
	Zinc	42.2	40.0	105	80 - 120	P	05/16/2025	13:00	LB135802

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010

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	9980	10000	100	90 - 110	P	05/16/2025	13:35	LB135802
	Antimony	5060	5000	101	90 - 110	P	05/16/2025	13:35	LB135802
	Arsenic	5000	5000	100	90 - 110	P	05/16/2025	13:35	LB135802
	Barium	9710	10000	97	90 - 110	P	05/16/2025	13:35	LB135802
	Beryllium	261	250	104	90 - 110	P	05/16/2025	13:35	LB135802
	Cadmium	2500	2500	100	90 - 110	P	05/16/2025	13:35	LB135802
	Calcium	24800	25000	99	90 - 110	P	05/16/2025	13:35	LB135802
	Chromium	1010	1000	101	90 - 110	P	05/16/2025	13:35	LB135802
	Cobalt	2520	2500	101	90 - 110	P	05/16/2025	13:35	LB135802
	Copper	1270	1250	102	90 - 110	P	05/16/2025	13:35	LB135802
	Iron	4680	5000	94	90 - 110	P	05/16/2025	13:35	LB135802
	Lead	5030	5000	101	90 - 110	P	05/16/2025	13:35	LB135802
	Magnesium	25000	25000	100	90 - 110	P	05/16/2025	13:35	LB135802
	Manganese	2480	2500	99	90 - 110	P	05/16/2025	13:35	LB135802
	Nickel	2510	2500	100	90 - 110	P	05/16/2025	13:35	LB135802
	Potassium	23400	25000	94	90 - 110	P	05/16/2025	13:35	LB135802
	Selenium	5050	5000	101	90 - 110	P	05/16/2025	13:35	LB135802
	Silver	1250	1250	100	90 - 110	P	05/16/2025	13:35	LB135802
	Sodium	23100	25000	92	90 - 110	P	05/16/2025	13:35	LB135802
	Thallium	5100	5000	102	90 - 110	P	05/16/2025	13:35	LB135802
	Vanadium	2490	2500	100	90 - 110	P	05/16/2025	13:35	LB135802
	Zinc	2520	2500	101	90 - 110	P	05/16/2025	13:35	LB135802
CCV02	Aluminum	9780	10000	98	90 - 110	P	05/16/2025	14:36	LB135802
	Antimony	4980	5000	100	90 - 110	P	05/16/2025	14:36	LB135802
	Arsenic	4920	5000	98	90 - 110	P	05/16/2025	14:36	LB135802
	Barium	9530	10000	95	90 - 110	P	05/16/2025	14:36	LB135802
	Beryllium	250	250	100	90 - 110	P	05/16/2025	14:36	LB135802
	Cadmium	2450	2500	98	90 - 110	P	05/16/2025	14:36	LB135802
	Calcium	24100	25000	96	90 - 110	P	05/16/2025	14:36	LB135802
	Chromium	996	1000	100	90 - 110	P	05/16/2025	14:36	LB135802
	Cobalt	2460	2500	98	90 - 110	P	05/16/2025	14:36	LB135802
	Copper	1250	1250	100	90 - 110	P	05/16/2025	14:36	LB135802
	Iron	4790	5000	96	90 - 110	P	05/16/2025	14:36	LB135802
	Lead	4920	5000	98	90 - 110	P	05/16/2025	14:36	LB135802

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010

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	24300	25000	97	90 - 110	P	05/16/2025	14:36	LB135802
	Manganese	2400	2500	96	90 - 110	P	05/16/2025	14:36	LB135802
	Nickel	2460	2500	98	90 - 110	P	05/16/2025	14:36	LB135802
	Potassium	24000	25000	96	90 - 110	P	05/16/2025	14:36	LB135802
	Selenium	4990	5000	100	90 - 110	P	05/16/2025	14:36	LB135802
	Silver	1240	1250	100	90 - 110	P	05/16/2025	14:36	LB135802
	Sodium	23600	25000	95	90 - 110	P	05/16/2025	14:36	LB135802
	Thallium	5070	5000	101	90 - 110	P	05/16/2025	14:36	LB135802
	Vanadium	2430	2500	97	90 - 110	P	05/16/2025	14:36	LB135802
	Zinc	2520	2500	101	90 - 110	P	05/16/2025	14:36	LB135802
CCV03	Aluminum	9580	10000	96	90 - 110	P	05/16/2025	15:22	LB135802
	Antimony	4980	5000	100	90 - 110	P	05/16/2025	15:22	LB135802
	Arsenic	4960	5000	99	90 - 110	P	05/16/2025	15:22	LB135802
	Barium	9500	10000	95	90 - 110	P	05/16/2025	15:22	LB135802
	Beryllium	238	250	95	90 - 110	P	05/16/2025	15:22	LB135802
	Cadmium	2470	2500	99	90 - 110	P	05/16/2025	15:22	LB135802
	Calcium	23900	25000	96	90 - 110	P	05/16/2025	15:22	LB135802
	Chromium	992	1000	99	90 - 110	P	05/16/2025	15:22	LB135802
	Cobalt	2470	2500	99	90 - 110	P	05/16/2025	15:22	LB135802
	Copper	1250	1250	100	90 - 110	P	05/16/2025	15:22	LB135802
	Iron	4970	5000	99	90 - 110	P	05/16/2025	15:22	LB135802
	Lead	4940	5000	99	90 - 110	P	05/16/2025	15:22	LB135802
	Magnesium	23800	25000	95	90 - 110	P	05/16/2025	15:22	LB135802
	Manganese	2390	2500	96	90 - 110	P	05/16/2025	15:22	LB135802
	Nickel	2470	2500	99	90 - 110	P	05/16/2025	15:22	LB135802
	Potassium	24900	25000	100	90 - 110	P	05/16/2025	15:22	LB135802
	Selenium	5040	5000	101	90 - 110	P	05/16/2025	15:22	LB135802
	Silver	1230	1250	99	90 - 110	P	05/16/2025	15:22	LB135802
	Sodium	24700	25000	99	90 - 110	P	05/16/2025	15:22	LB135802
	Thallium	5090	5000	102	90 - 110	P	05/16/2025	15:22	LB135802
	Vanadium	2410	2500	96	90 - 110	P	05/16/2025	15:22	LB135802
	Zinc	2480	2500	99	90 - 110	P	05/16/2025	15:22	LB135802
CCV04	Aluminum	9640	10000	96	90 - 110	P	05/16/2025	16:08	LB135802
	Antimony	4920	5000	98	90 - 110	P	05/16/2025	16:08	LB135802

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010

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	4870	5000	97	90 - 110	P	05/16/2025	16:08	LB135802
	Barium	9500	10000	95	90 - 110	P	05/16/2025	16:08	LB135802
	Beryllium	238	250	95	90 - 110	P	05/16/2025	16:08	LB135802
	Cadmium	2430	2500	97	90 - 110	P	05/16/2025	16:08	LB135802
	Calcium	23900	25000	96	90 - 110	P	05/16/2025	16:08	LB135802
	Chromium	982	1000	98	90 - 110	P	05/16/2025	16:08	LB135802
	Cobalt	2440	2500	98	90 - 110	P	05/16/2025	16:08	LB135802
	Copper	1240	1250	99	90 - 110	P	05/16/2025	16:08	LB135802
	Iron	4810	5000	96	90 - 110	P	05/16/2025	16:08	LB135802
	Lead	4890	5000	98	90 - 110	P	05/16/2025	16:08	LB135802
	Magnesium	24000	25000	96	90 - 110	P	05/16/2025	16:08	LB135802
	Manganese	2380	2500	95	90 - 110	P	05/16/2025	16:08	LB135802
	Nickel	2440	2500	98	90 - 110	P	05/16/2025	16:08	LB135802
	Potassium	24000	25000	96	90 - 110	P	05/16/2025	16:08	LB135802
	Selenium	4940	5000	99	90 - 110	P	05/16/2025	16:08	LB135802
	Silver	1210	1250	97	90 - 110	P	05/16/2025	16:08	LB135802
	Sodium	23800	25000	95	90 - 110	P	05/16/2025	16:08	LB135802
	Thallium	5080	5000	102	90 - 110	P	05/16/2025	16:08	LB135802
	Vanadium	2410	2500	96	90 - 110	P	05/16/2025	16:08	LB135802
	Zinc	2440	2500	98	90 - 110	P	05/16/2025	16:08	LB135802
CCV05	Aluminum	9800	10000	98	90 - 110	P	05/16/2025	16:53	LB135802
	Antimony	4980	5000	100	90 - 110	P	05/16/2025	16:53	LB135802
	Arsenic	4930	5000	99	90 - 110	P	05/16/2025	16:53	LB135802
	Barium	9440	10000	94	90 - 110	P	05/16/2025	16:53	LB135802
	Beryllium	256	250	102	90 - 110	P	05/16/2025	16:53	LB135802
	Cadmium	2460	2500	98	90 - 110	P	05/16/2025	16:53	LB135802
	Calcium	24200	25000	97	90 - 110	P	05/16/2025	16:53	LB135802
	Chromium	992	1000	99	90 - 110	P	05/16/2025	16:53	LB135802
	Cobalt	2470	2500	99	90 - 110	P	05/16/2025	16:53	LB135802
	Copper	1250	1250	100	90 - 110	P	05/16/2025	16:53	LB135802
	Iron	4680	5000	94	90 - 110	P	05/16/2025	16:53	LB135802
	Lead	4930	5000	99	90 - 110	P	05/16/2025	16:53	LB135802
	Magnesium	24400	25000	98	90 - 110	P	05/16/2025	16:53	LB135802
	Manganese	2420	2500	97	90 - 110	P	05/16/2025	16:53	LB135802

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010

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	2460	2500	98	90 - 110	P	05/16/2025	16:53	LB135802
	Potassium	23500	25000	94	90 - 110	P	05/16/2025	16:53	LB135802
	Selenium	5000	5000	100	90 - 110	P	05/16/2025	16:53	LB135802
	Silver	1240	1250	99	90 - 110	P	05/16/2025	16:53	LB135802
	Sodium	23200	25000	93	90 - 110	P	05/16/2025	16:53	LB135802
	Thallium	5090	5000	102	90 - 110	P	05/16/2025	16:53	LB135802
	Vanadium	2440	2500	98	90 - 110	P	05/16/2025	16:53	LB135802
	Zinc	2500	2500	100	90 - 110	P	05/16/2025	16:53	LB135802
CCV06	Aluminum	9630	10000	96	90 - 110	P	05/16/2025	17:28	LB135802
	Antimony	4890	5000	98	90 - 110	P	05/16/2025	17:28	LB135802
	Arsenic	4890	5000	98	90 - 110	P	05/16/2025	17:28	LB135802
	Barium	9380	10000	94	90 - 110	P	05/16/2025	17:28	LB135802
	Beryllium	248	250	99	90 - 110	P	05/16/2025	17:28	LB135802
	Cadmium	2460	2500	98	90 - 110	P	05/16/2025	17:28	LB135802
	Calcium	23800	25000	95	90 - 110	P	05/16/2025	17:28	LB135802
	Chromium	987	1000	99	90 - 110	P	05/16/2025	17:28	LB135802
	Cobalt	2440	2500	98	90 - 110	P	05/16/2025	17:28	LB135802
	Copper	1230	1250	98	90 - 110	P	05/16/2025	17:28	LB135802
	Iron	4770	5000	95	90 - 110	P	05/16/2025	17:28	LB135802
	Lead	4920	5000	98	90 - 110	P	05/16/2025	17:28	LB135802
	Magnesium	24000	25000	96	90 - 110	P	05/16/2025	17:28	LB135802
	Manganese	2370	2500	95	90 - 110	P	05/16/2025	17:28	LB135802
	Nickel	2440	2500	98	90 - 110	P	05/16/2025	17:28	LB135802
	Potassium	23900	25000	96	90 - 110	P	05/16/2025	17:28	LB135802
	Selenium	4960	5000	99	90 - 110	P	05/16/2025	17:28	LB135802
	Silver	1230	1250	99	90 - 110	P	05/16/2025	17:28	LB135802
	Sodium	23600	25000	94	90 - 110	P	05/16/2025	17:28	LB135802
	Thallium	4990	5000	100	90 - 110	P	05/16/2025	17:28	LB135802
	Vanadium	2400	2500	96	90 - 110	P	05/16/2025	17:28	LB135802
	Zinc	2490	2500	100	90 - 110	P	05/16/2025	17:28	LB135802

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Metals

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CRDL STANDARD FOR AA & ICP

Client: CDM Smith **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.19	0.2	95	70 - 130	CV	05/13/2025	11:16	LB135751
CRI01	Aluminum	107	100	107	65 - 135	P	05/16/2025	13:09	LB135802
	Antimony	51.8	50.0	104	65 - 135	P	05/16/2025	13:09	LB135802
	Arsenic	19.3	20.0	96	65 - 135	P	05/16/2025	13:09	LB135802
	Barium	93.2	100	93	65 - 135	P	05/16/2025	13:09	LB135802
	Beryllium	5.77	6.0	96	65 - 135	P	05/16/2025	13:09	LB135802
	Cadmium	6.13	6.0	102	65 - 135	P	05/16/2025	13:09	LB135802
	Calcium	1980	2000	99	65 - 135	P	05/16/2025	13:09	LB135802
	Chromium	9.83	10.0	98	65 - 135	P	05/16/2025	13:09	LB135802
	Cobalt	29.6	30.0	99	65 - 135	P	05/16/2025	13:09	LB135802
	Copper	22.1	20.0	110	65 - 135	P	05/16/2025	13:09	LB135802
	Iron	103	100	103	65 - 135	P	05/16/2025	13:09	LB135802
	Lead	13.3	12.0	111	65 - 135	P	05/16/2025	13:09	LB135802
	Magnesium	2040	2000	102	65 - 135	P	05/16/2025	13:09	LB135802
	Manganese	20.5	20.0	103	65 - 135	P	05/16/2025	13:09	LB135802
	Nickel	39.6	40.0	99	65 - 135	P	05/16/2025	13:09	LB135802
	Potassium	1920	2000	96	65 - 135	P	05/16/2025	13:09	LB135802
	Selenium	18.9	20.0	95	65 - 135	P	05/16/2025	13:09	LB135802
	Silver	10.0	10.0	100	65 - 135	P	05/16/2025	13:09	LB135802
	Sodium	1680	2000	84	65 - 135	P	05/16/2025	13:09	LB135802
	Thallium	42.4	40.0	106	65 - 135	P	05/16/2025	13:09	LB135802
	Vanadium	38.7	40.0	97	65 - 135	P	05/16/2025	13:09	LB135802
	Zinc	42.3	40.0	106	65 - 135	P	05/16/2025	13:09	LB135802

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Metals
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INTERFERENCE CHECK SAMPLE

Client: CDM Smith **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010

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	238000	255000	93	216000	294000	05/16/2025	13:13	LB135802
	Antimony	-2.91			-50	50	05/16/2025	13:13	LB135802
	Arsenic	7.83			-20	20	05/16/2025	13:13	LB135802
	Barium	4.92	6.0	82	-94	106	05/16/2025	13:13	LB135802
	Beryllium	1.43			-6	6	05/16/2025	13:13	LB135802
	Cadmium	-3.46	1.0	346	-5	7	05/16/2025	13:13	LB135802
	Calcium	224000	245000	91	208000	282000	05/16/2025	13:13	LB135802
	Chromium	53.9	52.0	104	42	62	05/16/2025	13:13	LB135802
	Cobalt	1.20			-30	30	05/16/2025	13:13	LB135802
	Copper	10.5	2.0	524	-18	22	05/16/2025	13:13	LB135802
	Iron	93600	101000	93	85600	116500	05/16/2025	13:13	LB135802
	Lead	-5.18			-12	12	05/16/2025	13:13	LB135802
	Magnesium	240000	255000	94	216000	294000	05/16/2025	13:13	LB135802
	Manganese	4.74	7.0	68	-13	27	05/16/2025	13:13	LB135802
	Nickel	2.80	2.0	140	-38	42	05/16/2025	13:13	LB135802
	Potassium	-41.8			0	0	05/16/2025	13:13	LB135802
	Selenium	5.37			-20	20	05/16/2025	13:13	LB135802
	Silver	-5.21			-10	10	05/16/2025	13:13	LB135802
	Sodium	-199			0	0	05/16/2025	13:13	LB135802
	Thallium	4.61			-40	40	05/16/2025	13:13	LB135802
	Vanadium	3.73			-40	40	05/16/2025	13:13	LB135802
	Zinc	2.53			-40	40	05/16/2025	13:13	LB135802
ICSAB01	Aluminum	240000	247000	97	209000	285000	05/16/2025	13:18	LB135802
	Antimony	630	618	102	525	711	05/16/2025	13:18	LB135802
	Arsenic	113	104	109	88.4	120	05/16/2025	13:18	LB135802
	Barium	477	537	89	437	637	05/16/2025	13:18	LB135802
	Beryllium	486	495	98	420	570	05/16/2025	13:18	LB135802
	Cadmium	1000	972	103	826	1120	05/16/2025	13:18	LB135802
	Calcium	224000	235000	95	199000	271000	05/16/2025	13:18	LB135802
	Chromium	552	542	102	460	624	05/16/2025	13:18	LB135802
	Cobalt	497	476	104	404	548	05/16/2025	13:18	LB135802
	Copper	509	511	100	434	588	05/16/2025	13:18	LB135802
	Iron	93800	99300	94	84400	114500	05/16/2025	13:18	LB135802
	Lead	43.9	49.0	90	37	61	05/16/2025	13:18	LB135802
	Magnesium	239000	248000	96	210000	286000	05/16/2025	13:18	LB135802
	Manganese	477	507	94	430	584	05/16/2025	13:18	LB135802
	Nickel	984	954	103	810	1100	05/16/2025	13:18	LB135802
	Potassium	-42.5			0	0	05/16/2025	13:18	LB135802
	Selenium	56.4	46.0	123	26	66	05/16/2025	13:18	LB135802
	Silver	206	201	102	170	232	05/16/2025	13:18	LB135802
	Sodium	-139			0	0	05/16/2025	13:18	LB135802
	Thallium	105	108	97	68	148	05/16/2025	13:18	LB135802

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Metals
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INTERFERENCE CHECK SAMPLE

Client: CDM Smith **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010

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	473	491	96	417	565	05/16/2025	13:18	LB135802
	Zinc	1030	952	108	809	1095	05/16/2025	13:18	LB135802

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2010

contract: CAMP02 **lab code:** CHEM **case no.:** Q2010 **sas no.:** Q2010

matrix: Solid **sample id:** Q2017-05 **client id:** MH-JMS

Percent Solids for Sample: 82.9 **Spiked ID:** Q2017-05MS **Percent Solids for Spike Sample:** 82.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	3250		2930		110	292		P
Antimony	mg/Kg	75 - 125	21.0		2.73	U	45.7	46	N	P
Arsenic	mg/Kg	75 - 125	41.8		1.08	J	45.7	89		P
Barium	mg/Kg	75 - 125	31.9		23.2		11.4	76		P
Beryllium	mg/Kg	75 - 125	9.55		0.29	J	11.4	81		P
Cadmium	mg/Kg	75 - 125	10.9		0.33	U	11.4	96		P
Calcium	mg/Kg	75 - 125	1040		1040		57.2	-14		P
Chromium	mg/Kg	75 - 125	26.0		6.06		22.9	87		P
Cobalt	mg/Kg	75 - 125	14.6		3.76		11.4	95		P
Copper	mg/Kg	75 - 125	24.7		10.2		17.2	84		P
Iron	mg/Kg	75 - 125	7670		7750		170	-47		P
Lead	mg/Kg	75 - 125	59.0		4.01		57.2	96		P
Magnesium	mg/Kg	75 - 125	1500		1410		110	83		P
Manganese	mg/Kg	75 - 125	228		219		11.4	77		P
Mercury	mg/Kg	80 - 120	0.30		0.015	U	0.31	96		CV
Nickel	mg/Kg	75 - 125	34.4		6.66		28.6	97		P
Potassium	mg/Kg	75 - 125	991		431		570	98		P
Selenium	mg/Kg	75 - 125	98.0		0.56	J	110	89		P
Silver	mg/Kg	75 - 125	3.44		0.55	U	4.3	80		P
Sodium	mg/Kg	75 - 125	317		135		170	107		P
Thallium	mg/Kg	75 - 125	115		2.18	U	110	104		P
Vanadium	mg/Kg	75 - 125	23.8		9.39		17.2	84		P
Zinc	mg/Kg	75 - 125	25.3		15.9		11.4	83		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2010

contract: CAMP02 **lab code:** CHEM **case no.:** Q2010 **sas no.:** Q2010

matrix: Solid **sample id:** Q2017-05 **client id:** MH-JMSD

Percent Solids for Sample: 82.9 **Spiked ID:** Q2017-05MSD **Percent Solids for Spike Sample:** 82.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	3470		2930		110	494		P
Antimony	mg/Kg	75 - 125	19.8		2.73	U	44.9	44	N	P
Arsenic	mg/Kg	75 - 125	40.4		1.08	J	44.9	88		P
Barium	mg/Kg	75 - 125	32.6		23.2		11.2	84		P
Beryllium	mg/Kg	75 - 125	9.93		0.29	J	11.2	86		P
Cadmium	mg/Kg	75 - 125	10.6		0.33	U	11.2	94		P
Calcium	mg/Kg	75 - 125	1080		1040		56.1	64		P
Chromium	mg/Kg	75 - 125	26.1		6.06		22.4	89		P
Cobalt	mg/Kg	75 - 125	14.5		3.76		11.2	96		P
Copper	mg/Kg	75 - 125	25.4		10.2		16.8	90		P
Iron	mg/Kg	75 - 125	7770		7750		170	17		P
Lead	mg/Kg	75 - 125	57.2		4.01		56.1	95		P
Magnesium	mg/Kg	75 - 125	1710		1410		110	272		P
Manganese	mg/Kg	75 - 125	231		219		11.2	108		P
Mercury	mg/Kg	80 - 120	0.24		0.015	U	0.29	83		CV
Nickel	mg/Kg	75 - 125	34.0		6.66		28.1	97		P
Potassium	mg/Kg	75 - 125	987		431		560	99		P
Selenium	mg/Kg	75 - 125	94.7		0.56	J	110	86		P
Silver	mg/Kg	75 - 125	3.27		0.55	U	4.2	78		P
Sodium	mg/Kg	75 - 125	359		135		170	132	N	P
Thallium	mg/Kg	75 - 125	111		2.18	U	110	101		P
Vanadium	mg/Kg	75 - 125	23.8		9.39		16.8	86		P
Zinc	mg/Kg	75 - 125	26.6		15.9		11.2	96		P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: CDM Smith **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010

Matrix: Solid **Level:** LOW **Client ID:** MH-JA

Sample ID: Q2017-05 **Spiked ID:** Q2017-05A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	42.0		2.73	U	43.7	96		P
Sodium	mg/Kg	75 - 125	288		135		160	96		P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: CDM Smith **Level:** LOW **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010

Matrix: Solid **Sample ID:** Q2017-05 **Client ID:** MH-JDUP

Percent Solids for Sample: 82.9 **Duplicate ID** Q2017-05DUP **Percent Solids for Spike Sample:** 82.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	2930		3040		4		P
Antimony	mg/Kg	20	2.73	U	2.75	U			P
Arsenic	mg/Kg	20	1.08	J	1.22		12		P
Barium	mg/Kg	20	23.2		22.6		3		P
Beryllium	mg/Kg	20	0.29	J	0.31	J	5		P
Cadmium	mg/Kg	20	0.33	U	0.33	U			P
Calcium	mg/Kg	20	1040		1290		21	*	P
Chromium	mg/Kg	20	6.06		6.01		1		P
Cobalt	mg/Kg	20	3.76		3.80		1		P
Copper	mg/Kg	20	10.2		10.8		5		P
Iron	mg/Kg	20	7750		7350		5		P
Lead	mg/Kg	20	4.01		4.03		0		P
Magnesium	mg/Kg	20	1410		1500		6		P
Manganese	mg/Kg	20	219		222		1		P
Mercury	mg/Kg	20	0.015	U	0.016	U			CV
Nickel	mg/Kg	20	6.66		6.84		3		P
Potassium	mg/Kg	20	431		421		2		P
Selenium	mg/Kg	20	0.56	J	0.81	J	37		P
Silver	mg/Kg	20	0.55	U	0.55	U			P
Sodium	mg/Kg	20	135		138		2		P
Thallium	mg/Kg	20	2.18	U	2.20	U			P
Vanadium	mg/Kg	20	9.39		9.48		1		P
Zinc	mg/Kg	20	15.9		16.2		2		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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DUPLICATE SAMPLE SUMMARY

Client: CDM Smith **Level:** LOW **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010

Matrix: Solid **Sample ID:** Q2017-05MS **Client ID:** MH-JMSD

Percent Solids for Sample: 82.9 **Duplicate ID** Q2017-05MSD **Percent Solids for Spike Sample:** 82.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	3250		3470		7		P
Antimony	mg/Kg	20	21.0		19.8		6		P
Arsenic	mg/Kg	20	41.8		40.4		3		P
Barium	mg/Kg	20	31.9		32.6		2		P
Beryllium	mg/Kg	20	9.55		9.93		4		P
Cadmium	mg/Kg	20	10.9		10.6		3		P
Calcium	mg/Kg	20	1040		1080		4		P
Chromium	mg/Kg	20	26.0		26.1		0		P
Cobalt	mg/Kg	20	14.6		14.5		1		P
Copper	mg/Kg	20	24.7		25.4		3		P
Iron	mg/Kg	20	7670		7770		1		P
Lead	mg/Kg	20	59.0		57.2		3		P
Magnesium	mg/Kg	20	1500		1710		13		P
Manganese	mg/Kg	20	228		231		1		P
Mercury	mg/Kg	20	0.30		0.24		20		CV
Nickel	mg/Kg	20	34.4		34.0		1		P
Potassium	mg/Kg	20	991		987		0		P
Selenium	mg/Kg	20	98.0		94.7		3		P
Silver	mg/Kg	20	3.44		3.27		5		P
Sodium	mg/Kg	20	317		359		12		P
Thallium	mg/Kg	20	115		111		4		P
Vanadium	mg/Kg	20	23.8		23.8		0		P
Zinc	mg/Kg	20	25.3		26.6		5		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: CDM Smith **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167977BS							
Aluminum	mg/Kg	100	90.8		91	80 - 120	P
Antimony	mg/Kg	40.0	39.4		98	80 - 120	P
Arsenic	mg/Kg	40.0	38.5		96	80 - 120	P
Barium	mg/Kg	10.0	8.83		88	80 - 120	P
Beryllium	mg/Kg	10.0	9.29		93	80 - 120	P
Cadmium	mg/Kg	10.0	9.64		96	80 - 120	P
Calcium	mg/Kg	50.0	46.8	J	94	80 - 120	P
Chromium	mg/Kg	20.0	19.1		96	80 - 120	P
Cobalt	mg/Kg	10.0	9.37		94	80 - 120	P
Copper	mg/Kg	15.0	14.7		98	80 - 120	P
Iron	mg/Kg	150	141		94	80 - 120	P
Lead	mg/Kg	50.0	46.9		94	80 - 120	P
Magnesium	mg/Kg	100	90.4	J	90	80 - 120	P
Manganese	mg/Kg	10.0	9.15		92	80 - 120	P
Nickel	mg/Kg	25.0	23.6		94	80 - 120	P
Potassium	mg/Kg	500	457		91	80 - 120	P
Selenium	mg/Kg	100	98.4		98	80 - 120	P
Silver	mg/Kg	3.8	3.53		93	80 - 120	P
Sodium	mg/Kg	150	139		93	80 - 120	P
Thallium	mg/Kg	100	97.5		98	80 - 120	P
Vanadium	mg/Kg	15.0	13.8		92	80 - 120	P
Zinc	mg/Kg	10.0	9.69		97	80 - 120	P

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: CDM Smith **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167983BS							
Mercury	mg/Kg	0.24	0.22		90	80 - 120	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

MH-JL

Lab Name: Chemtech Consulting Group **Contract:** CAMP02

Lab Code: CHEM **Lb No.:** lb135802 **Lab Sample ID :** Q2017-05L **SDG No.:** Q2010

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	2930		3020		3		P
Antimony	2.73	U	13.6	U			P
Arsenic	1.08	J	1.94	J	80		P
Barium	23.2		24.6	J	6		P
Beryllium	0.29	J	0.31	J	6		P
Cadmium	0.33	U	1.64	U			P
Calcium	1040		1110		6		P
Chromium	6.06		6.23		3		P
Cobalt	3.76		3.61	J	4		P
Copper	10.2		10.8		6		P
Iron	7750		8320		7		P
Lead	4.01		4.35		9		P
Magnesium	1410		1480		5		P
Manganese	219		238		9		P
Mercury	0.015	U	0.074	U			CV
Nickel	6.66		6.48	J	3		P
Potassium	431		424	J	2		P
Selenium	0.56	J	5.46	U	100.0		P
Silver	0.55	U	2.73	U			P
Sodium	135		546	U	100.0		P
Thallium	2.18	U	10.9	U			P
Vanadium	9.39		10.1	J	8		P
Zinc	15.9		16.5		4		P

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ANALYSIS RUN LOG

Client: CDM Smith **Contract:** CAMP02

Lab code: CHEM **Case no.:** Q2010 **Sas no.:** Q2010 **Sdg no.:** Q2010

Instrument id number: **Method:** **Run number:** LB135751

Start date: 05/13/2025 **End date:** 05/13/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1053	HG
S0.2	S0.2	1	1055	HG
S2.5	S2.5	1	1057	HG
S5	S5	1	1100	HG
S7.5	S7.5	1	1102	HG
S10	S10	1	1104	HG
ICV07	ICV07	1	1107	HG
ICB07	ICB07	1	1109	HG
CCV17	CCV17	1	1112	HG
CCB17	CCB17	1	1114	HG
CRA	CRA	1	1116	HG
CCV18	CCV18	1	1144	HG
CCB18	CCB18	1	1146	HG
CCV19	CCV19	1	1216	HG
CCB19	CCB19	1	1219	HG
PB167983BL	PB167983BL	1	1221	HG
PB167983BS	PB167983BS	1	1223	HG
Q2010-01	TP-10	1	1226	HG
Q2010-02	TP-13	1	1228	HG
Q2010-03	TP-14	1	1230	HG
Q2010-04	TP-17	1	1232	HG
CCV20	CCV20	1	1244	HG
CCB20	CCB20	1	1246	HG
Q2017-05DUP	MH-JDUP	1	1251	HG
Q2017-05MS	MH-JMS	1	1256	HG
Q2017-05MSD	MH-JMSD	1	1258	HG
Q2017-05L	MH-JL	5	1305	HG
CCV21	CCV21	1	1317	HG
CCB21	CCB21	1	1319	HG

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metals
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ANALYSIS RUN LOG

Client: CDM Smith **Contract:** CAMP02

Lab code: CHEM **Case no.:** Q2010 **Sas no.:** Q2010 **Sdg no.:** Q2010

Instrument id number: **Method:** **Run number:** LB135802

Start date: 05/16/2025 **End date:** 05/16/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1222	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	1227	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	1231	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	1235	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	1239	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	1244	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	1248	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	1300	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	1305	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	1309	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	1313	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	1318	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	1335	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	1339	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167977BL	PB167977BL	1	1420	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167977BS	PB167977BS	1	1424	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2010-01	TP-10	1	1428	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1436	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	1440	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2010-02	TP-13	1	1444	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2010-03	TP-14	1	1449	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2010-04	TP-17	1	1453	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2017-05DUP	MH-JDUP	1	1518	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	1522	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	1526	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2017-05L	MH-JL	5	1531	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2017-05MS	MH-JMS	1	1535	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2017-05MSD	MH-JMSD	1	1539	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2017-05A	MH-JA	1	1543	Na,Sb
CCV04	CCV04	1	1608	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	1612	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	1653	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	1658	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	1728	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	1732	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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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010

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:	Q2010	**OrderDate:**	5/9/2025 4:00:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2010-01	**TP-10**	**SOIL**			**05/08/25**			**05/09/25**
			Mercury	7471B		05/13/25	05/13/25	
			Metals ICP-TAL	6010D		05/13/25	05/16/25	
Q2010-02	**TP-13**	**SOIL**			**05/08/25**			**05/09/25**
			Mercury	7471B		05/13/25	05/13/25	
			Metals ICP-TAL	6010D		05/13/25	05/16/25	
Q2010-03	**TP-14**	**SOIL**			**05/08/25**			**05/09/25**
			Mercury	7471B		05/13/25	05/13/25	
			Metals ICP-TAL	6010D		05/13/25	05/16/25	
Q2010-04	**TP-17**	**SOIL**			**05/08/25**			**05/09/25**
			Mercury	7471B		05/13/25	05/13/25	
			Metals ICP-TAL	6010D		05/13/25	05/16/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: CDM Smith **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Method:**

Case No.: Q2010 **SAS No.:** Q2010

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167977**						
PB167977BL	PB167977BL	MB	SOLID	05/13/2025	2.00	100.0	100.00
PB167977BS	PB167977BS	LCS	SOLID	05/13/2025	2.00	100.0	100.00
Q2010-01	TP-10	SAM	SOLID	05/13/2025	2.13	100.0	93.30
Q2010-02	TP-13	SAM	SOLID	05/13/2025	2.09	100.0	84.40
Q2010-03	TP-14	SAM	SOLID	05/13/2025	2.12	100.0	80.70
Q2010-04	TP-17	SAM	SOLID	05/13/2025	2.37	100.0	77.40
Q2017-05DUP	MH-JDUP	DUP	SOLID	05/13/2025	2.19	100.0	82.90
Q2017-05MS	MH-JMS	MS	SOLID	05/13/2025	2.11	100.0	82.90
Q2017-05MSD	MH-JMSD	MSD	SOLID	05/13/2025	2.15	100.0	82.90

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Metals
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SAMPLE PREPARATION SUMMARY

Client: CDM Smith **SDG No.:** Q2010

Contract: CAMP02 **Lab Code:** CHEM **Method:**

Case No.: Q2010 **SAS No.:** Q2010

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167983**						
PB167983BL	PB167983BL	MB	SOLID	05/13/2025	0.52	35.0	100.00
PB167983BS	PB167983BS	LCS	SOLID	05/13/2025	0.59	35.0	100.00
Q2010-01	TP-10	SAM	SOLID	05/13/2025	0.55	35.0	93.30
Q2010-02	TP-13	SAM	SOLID	05/13/2025	0.56	35.0	84.40
Q2010-03	TP-14	SAM	SOLID	05/13/2025	0.55	35.0	80.70
Q2010-04	TP-17	SAM	SOLID	05/13/2025	0.54	35.0	77.40
Q2017-05DUP	MH-JDUP	DUP	SOLID	05/13/2025	0.54	35.0	82.90
Q2017-05MS	MH-JMS	MS	SOLID	05/13/2025	0.55	35.0	82.90
Q2017-05MSD	MH-JMSD	MSD	SOLID	05/13/2025	0.59	35.0	82.90

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Fax : 908 789 8922

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135751

Review By	MOHAN	Review On	5/14/2025 4:30:17 PM
Supervise By	jaswal	Supervise On	5/14/2025 11:18:04 PM

STD. NAME	STD REF.#
ICAL Standard	MP85648,MP856749,MP85650,MP85651,MP85652,MP85653
ICV Standard	MP85654
CCV Standard	MP85656
ICSA Standard	
CRI Standard	MP85658
LCS Standard	
Chk Standard	MP85655,MP85657,MP85659,MP8561

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	05/13/25 10:53		MOHAN	OK
2	S0.2	S0.2	CAL2	05/13/25 10:55		MOHAN	OK
3	S2.5	S2.5	CAL3	05/13/25 10:57		MOHAN	OK
4	S5	S5	CAL4	05/13/25 11:00		MOHAN	OK
5	S7.5	S7.5	CAL5	05/13/25 11:02		MOHAN	OK
6	S10	S10	CAL6	05/13/25 11:04		MOHAN	OK
7	ICV07	ICV07	ICV	05/13/25 11:07		MOHAN	OK
8	ICB07	ICB07	ICB	05/13/25 11:09		MOHAN	OK
9	CCV17	CCV17	CCV	05/13/25 11:12		MOHAN	OK
10	CCB17	CCB17	CCB	05/13/25 11:14		MOHAN	OK
11	CRA	CRA	CRDL	05/13/25 11:16		MOHAN	OK
12	HighStd	HighStd	HIGH STD	05/13/25 11:19		MOHAN	OK
13	ChkStd	ChkStd	SAM	05/13/25 11:21		MOHAN	OK
14	PB167982BL	PB167982BL	MB	05/13/25 11:23		MOHAN	OK
15	PB167982BS	PB167982BS	LCS	05/13/25 11:30		MOHAN	OK
16	Q2004-01	VNJ-220	SAM	05/13/25 11:32		MOHAN	OK
17	Q2004-03	2811	SAM	05/13/25 11:35		MOHAN	OK
18	Q2004-05	R0202	SAM	05/13/25 11:37		MOHAN	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135751

Review By	MOHAN	Review On	5/14/2025 4:30:17 PM
Supervise By	jaswal	Supervise On	5/14/2025 11:18:04 PM

STD. NAME	STD REF.#
ICAL Standard	MP85648,MP856749,MP85650,MP85651,MP85652,MP85653
ICV Standard	MP85654
CCV Standard	MP85656
ICSA Standard	
CRI Standard	MP85658
LCS Standard	
Chk Standard	MP85655,MP85657,MP85659,MP8561

19	Q2004-07	205510	SAM	05/13/25 11:39		MOHAN	OK
20	Q2004-09	SOIL-STOCK	SAM	05/13/25 11:41		MOHAN	OK
21	CCV18	CCV18	CCV	05/13/25 11:44		MOHAN	OK
22	CCB18	CCB18	CCB	05/13/25 11:46		MOHAN	OK
23	Q2004-11	STONE-STOCK	SAM	05/13/25 11:48		MOHAN	OK
24	Q2007-01	OR-636-COMP-10	SAM	05/13/25 11:51		MOHAN	OK
25	Q2007-07	OR-636-COMP-11	SAM	05/13/25 11:53	Hg high	MOHAN	Dilution
26	Q2007-13	OR-636-COMP-12	SAM	05/13/25 11:55		MOHAN	OK
27	Q2007-19	OR-636-COMP-13	SAM	05/13/25 11:58		MOHAN	OK
28	Q2007-25	OR-636-COMP-14	SAM	05/13/25 12:00		MOHAN	OK
29	Q2007-31	OR-636-COMP-15	SAM	05/13/25 12:02		MOHAN	OK
30	Q2007-31DUP	OR-636-COMP-15DU	DUP	05/13/25 12:05		MOHAN	OK
31	Q2007-31MS	OR-636-COMP-15MS	MS	05/13/25 12:10		MOHAN	OK
32	Q2007-31MSD	OR-636-COMP-15MS	MSD	05/13/25 12:14		MOHAN	OK
33	CCV19	CCV19	CCV	05/13/25 12:16		MOHAN	OK
34	CCB19	CCB19	CCB	05/13/25 12:19		MOHAN	OK
35	PB167983BL	PB167983BL	MB	05/13/25 12:21		MOHAN	OK
36	PB167983BS	PB167983BS	LCS	05/13/25 12:23		MOHAN	OK
37	Q2010-01	TP-10	SAM	05/13/25 12:26		MOHAN	OK
38	Q2010-02	TP-13	SAM	05/13/25 12:28		MOHAN	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135751

Review By	MOHAN	Review On	5/14/2025 4:30:17 PM
Supervise By	jaswal	Supervise On	5/14/2025 11:18:04 PM

STD. NAME	STD REF.#
ICAL Standard	MP85648,MP856749,MP85650,MP85651,MP85652,MP85653
ICV Standard	MP85654
CCV Standard	MP85656
ICSA Standard	
CRI Standard	MP85658
LCS Standard	
Chk Standard	MP85655,MP85657,MP85659,MP8561

39	Q2010-03	TP-14	SAM	05/13/25 12:30		MOHAN	OK
40	Q2010-04	TP-17	SAM	05/13/25 12:32		MOHAN	OK
41	Q2014-01	MOO-25-0134	SAM	05/13/25 12:35		MOHAN	OK
42	Q2014-03	MOO-25-0145	SAM	05/13/25 12:37		MOHAN	OK
43	Q2014-05	MOO-25-0148	SAM	05/13/25 12:39		MOHAN	OK
44	Q2017-01	MH-I	SAM	05/13/25 12:42		MOHAN	OK
45	CCV20	CCV20	CCV	05/13/25 12:44		MOHAN	OK
46	CCB20	CCB20	CCB	05/13/25 12:46		MOHAN	OK
47	Q2017-05	MH-J	SAM	05/13/25 12:48		MOHAN	OK
48	Q2017-05DUP	MH-JDUP	DUP	05/13/25 12:51		MOHAN	OK
49	Q2017-05MS	MH-JMS	MS	05/13/25 12:56		MOHAN	OK
50	Q2017-05MSD	MH-JMSD	MSD	05/13/25 12:58		MOHAN	OK
51	Q2007-31L	OR-636-COMP-15L	SD	05/13/25 13:01		MOHAN	OK
52	Q2007-31A	OR-636-COMP-15A	PS	05/13/25 13:03		MOHAN	OK
53	Q2017-05L	MH-JL	SD	05/13/25 13:05		MOHAN	OK
54	Q2017-05A	MH-JA	PS	05/13/25 13:08		MOHAN	OK
55	Q2007-07DL	OR-636-COMP-11DL	SAM	05/13/25 13:15	5X For Hg	MOHAN	Confirms
56	CCV21	CCV21	CCV	05/13/25 13:17		MOHAN	OK
57	CCB21	CCB21	CCB	05/13/25 13:19		MOHAN	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135802

Review By	jaswal	Review On	5/19/2025 11:31:41 AM
Supervise By	Mohan	Supervise On	5/19/2025 11:41:44 AM

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	05/16/25 12:22		Kareem	OK
2	S1	S1	CAL2	05/16/25 12:27		Kareem	OK
3	S2	S2	CAL3	05/16/25 12:31		Kareem	OK
4	S3	S3	CAL4	05/16/25 12:35		Kareem	OK
5	S4	S4	CAL5	05/16/25 12:39		Kareem	OK
6	S5	S5	CAL6	05/16/25 12:44		Kareem	OK
7	ICV01	ICV01	ICV	05/16/25 12:48		Kareem	OK
8	LLICV01	LLICV01	LLICV	05/16/25 13:00		Kareem	OK
9	ICB01	ICB01	ICB	05/16/25 13:05		Kareem	OK
10	CRI01	CRI01	CRDL	05/16/25 13:09		Kareem	OK
11	ICSA01	ICSA01	ICSA	05/16/25 13:13		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	05/16/25 13:18		Kareem	OK
13	ICSADL	ICSADL	ICSA	05/16/25 13:22		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	05/16/25 13:26		Kareem	OK
15	CCV01	CCV01	CCV	05/16/25 13:35		Kareem	OK
16	CCB01	CCB01	CCB	05/16/25 13:39		Kareem	OK
17	Q2022-01	336	SAM	05/16/25 13:43		Kareem	OK
18	Q2022-02	COMP-1	SAM	05/16/25 13:48		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135802

Review By	jaswal	Review On	5/19/2025 11:31:41 AM
Supervise By	Mohan	Supervise On	5/19/2025 11:41:44 AM

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	Q2022-04	COMP-2	SAM	05/16/25 13:52		Kareem	OK
20	Q2024-01	PL-02-051325	SAM	05/16/25 13:56		Kareem	OK
21	PB168022BL	PB168022BL	MB	05/16/25 14:00		Kareem	OK
22	PB168022BS	PB168022BS	LCS	05/16/25 14:16		Kareem	OK
23	PB167977BL	PB167977BL	MB	05/16/25 14:20		Kareem	OK
24	PB167977BS	PB167977BS	LCS	05/16/25 14:24		Kareem	OK
25	Q2010-01	TP-10	SAM	05/16/25 14:28		Kareem	OK
26	CCV02	CCV02	CCV	05/16/25 14:36		Kareem	OK
27	CCB02	CCB02	CCB	05/16/25 14:40		Kareem	OK
28	Q2010-02	TP-13	SAM	05/16/25 14:44		Kareem	OK
29	Q2010-03	TP-14	SAM	05/16/25 14:49		Kareem	OK
30	Q2010-04	TP-17	SAM	05/16/25 14:53		Kareem	OK
31	Q2014-01	MOO-25-0134	SAM	05/16/25 14:57		Kareem	OK
32	Q2014-03	MOO-25-0145	SAM	05/16/25 15:01		Kareem	OK
33	Q2014-05	MOO-25-0148	SAM	05/16/25 15:05		Kareem	OK
34	Q2017-01	MH-I	SAM	05/16/25 15:10		Kareem	OK
35	Q2017-05	MH-J	SAM	05/16/25 15:14		Kareem	OK
36	Q2017-05DUP	MH-JDUP	DUP	05/16/25 15:18		Kareem	OK
37	CCV03	CCV03	CCV	05/16/25 15:22		Kareem	OK
38	CCB03	CCB03	CCB	05/16/25 15:26		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135802

Review By	jaswal	Review On	5/19/2025 11:31:41 AM
Supervise By	Mohan	Supervise On	5/19/2025 11:41:44 AM

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	Q2017-05L	MH-JL	SD	05/16/25 15:31		Kareem	OK
40	Q2017-05MS	MH-JMS	MS	05/16/25 15:35		Kareem	OK
41	Q2017-05MSD	MH-JMSD	MSD	05/16/25 15:39		Kareem	OK
42	Q2017-05A	MH-JA	PS	05/16/25 15:43		Kareem	OK
43	Q2019-01	MH-K	SAM	05/16/25 15:47		Kareem	OK
44	Q2020-01	TP-A	SAM	05/16/25 15:51		Kareem	OK
45	Q2023-01	HEATER-PAD	SAM	05/16/25 15:55		Kareem	OK
46	Q2038-01	72-11991	SAM	05/16/25 16:00		Kareem	OK
47	Q2039-01	TR-05-05142025	SAM	05/16/25 16:04		Kareem	OK
48	CCV04	CCV04	CCV	05/16/25 16:08		Kareem	OK
49	CCB04	CCB04	CCB	05/16/25 16:12		Kareem	OK
50	Q2043-01	281	SAM	05/16/25 16:16		Kareem	OK
51	Q2043-03	72-12000	SAM	05/16/25 16:20	Pb high	Kareem	Dilution
52	Q2047-01	SU-04-051425	SAM	05/16/25 16:24		Kareem	OK
53	Q2047-01DUP	SU-04-051425DUP	DUP	05/16/25 16:29		Kareem	OK
54	Q2047-01L	SU-04-051425L	SD	05/16/25 16:33		Kareem	OK
55	Q2047-01MS	SU-04-051425MS	MS	05/16/25 16:37		Kareem	OK
56	Q2047-01MSD	SU-04-051425MSD	MSD	05/16/25 16:41		Kareem	OK
57	Q2047-01A	SU-04-051425A	PS	05/16/25 16:45		Kareem	OK
58	Q2001-11	WC-A1-06-C	SAM	05/16/25 16:49		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135802

Review By	jaswal	Review On	5/19/2025 11:31:41 AM
Supervise By	Mohan	Supervise On	5/19/2025 11:41:44 AM

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

59	CCV05	CCV05	CCV	05/16/25 16:53		Kareem	OK
60	CCB05	CCB05	CCB	05/16/25 16:58		Kareem	OK
61	Q2001-11DUP	WC-A1-06-CDUP	DUP	05/16/25 17:02		Kareem	OK
62	Q2001-11L	WC-A1-06-CL	SD	05/16/25 17:06		Kareem	OK
63	Q2001-11MS	WC-A1-06-CMS	MS	05/16/25 17:11		Kareem	OK
64	Q2001-11MSD	WC-A1-06-CMSD	MSD	05/16/25 17:15		Kareem	OK
65	Q2001-11A	WC-A1-06-CA	PS	05/16/25 17:19		Kareem	OK
66	CCV06	CCV06	CCV	05/16/25 17:28		Kareem	OK
67	CCB06	CCB06	CCB	05/16/25 17:32		Kareem	OK

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB167977

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: 05/13/2025 **Time :** 10:05 **Temp :** 96 °C

End Digest Date: 05/13/2025 **Time :** 12:10 **Temp :** 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #3

Dig Technician Signature: SLG.

Supervisor Signature: JGP

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
05/13/25 13:10	SLG. met.dig	JGP Metlab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB167977

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
PB167977BL	PBS977	N/A	2.00	100	Colorless	Colorless	Fine	N/A	N/A	1
PB167977BS	LCS977	N/A	2.00	100	Colorless	Colorless	Fine	N/A	M6005,M6016	2
Q2010-01	TP-10	N/A	2.13	100	Brown	Yellow	Medium	N/A	N/A	3
Q2010-02	TP-13	N/A	2.09	100	Brown	Yellow	Medium	N/A	N/A	4
Q2010-03	TP-14	N/A	2.12	100	Brown	Yellow	Medium	N/A	N/A	5
Q2010-04	TP-17	N/A	2.37	100	Brown	Yellow	Medium	N/A	N/A	6
Q2014-01	MOO-25-0134	N/A	2.20	100	Brown	Yellow	Medium	N/A	N/A	7
Q2014-03	MOO-25-0145	N/A	2.36	100	Brown	Yellow	Medium	N/A	N/A	8
Q2014-05	MOO-25-0148	N/A	2.26	100	Brown	Yellow	Medium	N/A	N/A	9
Q2017-01	MH-I	N/A	2.05	100	Brown	Yellow	Medium	N/A	N/A	10
Q2017-05	MH-J	N/A	2.21	100	Brown	Yellow	Medium	N/A	N/A	11
Q2017-05MS	MH-JMS	N/A	2.11	100	Brown	Yellow	Medium	N/A	M6005,M6016	13
Q2017-05MSD	MH-JMSD	N/A	2.15	100	Brown	Yellow	Medium	N/A	M6005,M6016	14
Q2017-05DUP	MH-JDUP	N/A	2.19	100	Brown	Yellow	Medium	N/A	N/A	12

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB167983

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: 05/13/2025 **Time :** 08:35 **Temp :** 94 °C

End Digest Date: 05/13/2025 **Time :** 09:05 **Temp :** 94 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: MB

Supervisor Signature:

Temp : 1. 94°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP85654
CCV	30mL	MP85656
CRA	30mL	MP85658
Blank Spike	0.48mL	MP85647
Matrix Spike	0.48mL	MP85647

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5mL	MP85660
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	MP85648
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP85649
2.5 ppb	S2.5	30mL	MP85650
5.0 ppb	S5.0	30mL	MP85651
7.5 ppb	S7.5	30mL	MP85652
10.0 ppb	S10.0	30mL	MP85653
ICV	ICV	30mL	MP85654
ICB	ICB	30mL	MP85655
CCV	CCV	30mL	MP85656
CCB	CCB	30mL	MP85657
CRI	CRI	30mL	MP85658
CHK STD	CHK STD	30mL	MP85659

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/13/25 @ 9:45	MB - DIG 1 Lab	MB - Orchard Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB167983

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
PB167983BL	PBS983	0.52	35	NA	N/A	3-18
PB167983BS	LCS983	0.59	35	NA	MP85647	19
Q2010-01	TP-10	0.55	35	NA	N/A	20
Q2010-02	TP-13	0.56	35	NA	N/A	21
Q2010-03	TP-14	0.55	35	NA	N/A	22
Q2010-04	TP-17	0.54	35	NA	N/A	23
Q2014-01	MOO-25-0134	0.53	35	NA	N/A	24
Q2014-03	MOO-25-0145	0.51	35	NA	N/A	25
Q2014-05	MOO-25-0148	0.53	35	NA	N/A	26
Q2017-01	MH-I	0.58	35	NA	N/A	27
Q2017-05	MH-J	0.57	35	NA	N/A	28
Q2017-05DUP	MH-JDUP	0.54	35	NA	N/A	29
Q2017-05MS	MH-JMS	0.55	35	NA	MP85647	30
Q2017-05MSD	MH-JMSD	0.59	35	NA	MP85647	31

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. Q2010
COC Number 2047010

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, NJ
PROJECT MANAGER: MARCIE ENCINAS
e-mail: ENCINASMA@CDMSMITH.COM
PHONE: 7325904679 FAX: 7322257851

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 PESTICIDES
6 HERBICIDES
7 DRO
8 GRO
9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	TP-10	SOIL		X	5/8/25	0820	6	X	X	X	X	X	X	X			E
2.	TP-13	SOIL		X	5/8/25	1015	6	X	X	X	X	X	X	X			E
3.	TP-14	SOIL		X	5/8/25	1135	6	X	X	X	X	X	X	X			E
4.	TP-17	SOIL		X	5/8/25	1305	6	X	X	X	X	X	X	X			E
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

PRESERVATIVES
COMMENTS
← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	5/8/25	1. 5-9-25 1557
2.		2.
3.	5-9-25 1650	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.2 °C
Comments: Temp 3.2° CAdjustment Factor to IR Gun #1.

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

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 : Q2010 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 5/9/2025 4:00:00 PM
Project Name : South River WM Replacem
Receive DateTime : 5/9/2025 4:50:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : ~~Level 1~~ NJ Reduced
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff : 5/12/2025 10:55:21 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2010-01	TP-10	Solid	05/08/2025	08:20					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2010-02	TP-13	Solid	05/08/2025	10:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2010-03	TP-14	Solid	05/08/2025	11:35					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2010-04	TP-17	Solid	05/08/2025	13:05					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By :
Date / Time : 5/12/25 1110

Received By :
Date / Time : 05/12/25 11:10
Storage Area : VOA Refridgerator Room

Cooler # 6
F2 2