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Fax : 908 789 8922

DATA PACKAGE

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

PROJECT NAME : RESERVE TURGYAN FARMS

EARTH ENGINEERING INC.

403 Commerce Lane

West Berlin, NJ - 08091

Phone No: 856-768-1001

ORDER ID : Q2818

ATTENTION : Frank Dougherty, LSRP

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q2818

Project ID : Reserve Turgyan Farms

Client : Earth Engineering Inc.

Lab Sample Number	Client Sample Number
Q2818-01	B-2-5-1
Q2818-02	B-3-5-2
Q2818-04	B-2-5-1
Q2818-05	B-3-5-2

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: 8/22/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Earth Engineering Inc.
Project Name: Reserve Turgyan Farms
Project # N/A
Order ID # Q2818
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 08/11/2025

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_W 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 were met for all analysis.
The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.

The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
The Blank Spike Duplicate met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.

The Tuning criteria met requirements.

E. Additional Comments:
The temperature of the samples at the time of receipt was 6.1°C

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

Trip Blank was not provided with this set of samples.

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

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

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

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CASE NARRATIVE

Earth Engineering Inc.
Project Name: Reserve Turgyan Farms
Project # N/A
Order ID # Q2818
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 08/11/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Cyanide, EPH_NF, Hexavalent Chromium, Mercury, Metals ICP-TAL, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup3, SVOC-TCL BNA -20, TCL+30/TAL and VOC-TCLVOA-10. This data package contains results for SVOC-TCL BNA -20.

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

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

The MS {Q2830-05MS} with File ID: BF143367.D recoveries met the requirements for all compounds except for Butylbenzylphthalate[150%], Di-n-butylphthalate[133%], due to matrix interference, therefore no corrective action is required .

The MSD {Q2830-05MSD} with File ID: BF143368.D recoveries met the acceptable requirements except for Butylbenzylphthalate[192%], Di-n-butylphthalate[142%], due to matrix interference, therefore no corrective action is required .
.
The RPD for {Q2830-05MSD} with File ID: BF143368.D met criteria except for 4-Nitroaniline[22%], 4-Nitrophenol[23%], Butylbenzylphthalate[25%], Caprolactam[22%] and Pyrene[31%], due to difference in results of MS and MSD.

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The Blank Spike for {PB169210BS} with File ID: BP025402.D met requirements for all samples except for 2,4,5-Trichlorophenol[100%], is Failling high but The associated samples have no positive hit of these compounds, therefore no corrective action was taken .
The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% for certain compounds in the Initial Calibration (Method 8270-BF081225.M) for 2-Nitrophenol, Hexachlorocyclopentadiene, 2-Nitroaniline, 2,6-Dinitrotoluene, 4-Nitrophenol, 2,4-Dinitrotoluene, 4,6-Dinitro-2-methylephenol, Pentachlorophenol, Butylbenzylphthalate, Bis(2-ethylhexylephthalate), Di-n-octyl phthalate. These Compounds aer passing on Linear Regression, 2,4-Dinitrophenol is passing on Quadratic Regression.

The %RSD is greater than 20% in the Initial Calibration (Method 8270-BP0805.M) for 2-Nitrophenol , 2-Nitroaniline, 2,4-Dinitrotoluene, these Compounds are passing on Linear regression, and 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol these compounds are passing on Quadratic regression.

The Continuous Calibration File ID BF143365.D met the requirements except for Bis(2-ethylhexyl)phthalate,Butylbenzylphthalate,Di-n-octyl phthalate and Pentachlorophenol but The associated samples have no positive hit of these compounds , therefore no corrective action was taken .

The Continuous Calibration File ID BP025360.D met the requirements except for 2,4-Dinitrophenol,2-Nitrophenol,4,6-Dinitro-2-methylphenol and 2,4,6-Tribromophenol, The associated samples have no positive hit of these compounds , therefore no corrective action was taken .

The Continuous Calibration File ID BP025377.D met the requirements except for 2,2-oxybis(1-Chloropropane),2,4-Dinitrophenol,2,6-Dinitrotoluene,2-Nitrophenol,4,6-Dinitro-2-methylphenol,Pentachlorophenol,2-Nitroaniline and 2,4,6-Tribromophenol, The associated samples have no positive hit of these compounds , therefore no corrective action was taken .

The Tuning criteria met requirements.

E. Additional Comments:
The temperature of the samples at the time of receipt was 6.1°C
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

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for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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

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CASE NARRATIVE

Earth Engineering Inc.
Project Name: Reserve Turgyan Farms
Project # N/A
Order ID # Q2818
Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 08/11/2025.
B. Parameters
According to the Chain of Custody document, the following analyses were requested: Pesticide-TCL. 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 were met for all analysis.
The Retention Times were met for all analysis.

The MS recoveries for {Q2819-14MS} with File ID: PD089894.D met requirements for all samples except for [alpha-Chlordane(1)-31% - alpha-Chlordane(2)-15%], [gamma-Chlordane(1)-5% - gamma-Chlordane(2)15%], [Heptachlor epoxide(1)137% - Heptachlor epoxide(2)161%], , [Endosulfan II(2)514%], and [Endrin(2)177%] Due to matrix interference due to matrix interference.

The MSD {Q2819-14MSD} with File ID: PD089895.D recoveries met the acceptable requirements except for [alpha-Chlordane(1)-36% - alpha-Chlordane(2)-10%], [gamma-Chlordane(1)-15% - gamma-Chlordane(2)5%], [Heptachlor epoxide(1)148% - Heptachlor epoxide(2)160%],[Endosulfan II(2)520%], and [Endrin(2)176%] Due to matrix interference.%] due to matrix interference.

The RPD for {Q2819-14MSD} with File ID: PD089895.D met criteria except for [Aldrin(1)50%], [gamma-Chlordane(1)100%], [Endosulfan I(2)39%] [Alpha-Chlordane(2)40%] , [Gamma-Chlordane(2)100%] and [4,4-DDD(2)42%]due to difference in results of MS and MSD.

The Blank Spike met requirements for all compounds.

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

E. Additional Comments:
The temperature of the samples at the time of receipt was 6.1°C.
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

Earth Engineering Inc.
Project Name: Reserve Turgyan Farms
Project # N/A
Order ID # Q2818
Test Name: PCB

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 08/11/2025
B. Parameters
According to the Chain of Custody document, the following analyses were requested: PCB. This data package contains results for PCB.

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

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

The Continuous Calibration File ID PO112850.D met the requirements except for Aroclor-1016(Peak-01),Tetrachloro-m-xylene is failing in 1st column however 2nd column passing for that therefore no corrective action taken.

The Continuous Calibration File ID PP074302.D met the requirements except for Aroclor-1016(Peak-02),Tetrachloro-m-xylene is failing in 2nd column however 1st column passing for that therefore no corrective action taken.

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E. Additional Comments:
The temperature of the samples at the time of receipt was 6.1°C.
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

Earth Engineering Inc.
Project Name: Reserve Turgyan Farms
Project # N/A
Order ID # Q2818
Test Name: EPH_NF

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 08/11/2025
B. Parameters
According to the Chain of Custody document, the following analyses were requested: EPH_NF. This data package contains results for EPH_NF.

C. Analytical Techniques:
The analysis were performed on instrument FID_C. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224.The analysis were performed on instrument FID_E. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224.The analysis of EPH_NFs was based on method NJEPH and extraction was done based on method 3541.

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

The MS {Q2830-03MS} with File ID: FC069649.D recoveries met the requirements for all compounds except for Aliphatic [n-Nonane (C9)- 27%] due to matrix interference.

The MSD {Q2830-03MSD} with File ID: FC069650.D recoveries met the requirements for all compounds except for Aliphatic [n-Nonane (C9)- 29%] due to matrix interference.

The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
The Blank Spike Duplicate met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
Samples B-2-5-1 and B-3-5-2 were diluted due to high concentrations.

E. Additional Comments:
The soil samples results are based on a dry weight basis.
The temperature of the samples at the time of receipt was 6.1°
F. Manual Integration Comments:

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

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CASE NARRATIVE

Earth Engineering Inc.
Project Name: Reserve Turgyan Farms
Project # N/A
Order ID # Q2818
Test Name: Mercury,Metals ICP-TAL

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 08/11/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Cyanide, EPH_NF, Hexavalent Chromium, Mercury, Metals ICP-TAL, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup3, SVOC-TCL BNA -20, TCL+30/TAL 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 compound.
The Duplicate (POWDERMSD) analysis met criteria for all compounds except for Iron and Vanadium due to Chemical interference during Digestion process.
The Matrix Spike (POWDERMS) analysis met criteria for all compounds except for Antimony, Arsenic, Beryllium, Chromium, Potassium, Selenium, Silver, Thallium and Vanadium due to Chemical Interference during Digestion Process.
The Matrix Spike Duplicate (POWDERMSD) analysis met criteria for all compounds except for Antimony, Arsenic, Beryllium, Potassium, Selenium, Silver and Vanadium 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 (POWDERL) met criteria for all compounds except for Aluminum, Calcium, Chromium, Copper, Iron, Manganese and Zinc due to sample matrix interference.

E. Additional Comments:
The Post Digest Spike (POWDERA) analysis met criteria for all compounds except for Antimony, Arsenic, Beryllium, Chromium, Potassium, Selenium, Silver and Vanadium due to unknown chemical interference of matrix with the addition of spike amount after digestion and before analysis; matrix has suppression effect during addition of spike.

The temperature of the samples at the time of receipt was 6.1°C.

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CASE NARRATIVE

Earth Engineering Inc.
Project Name: Reserve Turgyan Farms
Project # N/A
Order ID # Q2818
Test Name: SPLP Mercury,SPLP MetalGroup3

A. Number of Samples and Date of Receipt:
02 Solid samples were received on 08/11/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Cyanide, EPH_NF, Hexavalent Chromium, Mercury, Metals ICP-TAL, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup3, SVOC-TCL BNA -20, TCL+30/TAL and VOC-TCLVOA-10. This data package contains results for SPLP Mercury,SPLP MetalGroup3.

C. Analytical Techniques:
The analysis of SPLP MetalGroup3 was based on method 6010D, digestion based on method 3010 (water). The analysis of SPLP Mercury was based on method 7470A and digestion was based on method 7470 (water).

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all compounds.
The Duplicate analysis met criteria for all compounds.
The Matrix Spike (B-3-5-2MS) analysis met criteria for all compounds except for Beryllium due to Chemical Interference during Digestion Process.
The Matrix Spike Duplicate (B-3-5-2MSD) analysis met criteria for all compounds except for Beryllium 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:
The temperature of the samples at the time of receipt was 6.1°C
The Post Digest Spike (B-3-5-2A) analysis met criteria for all compounds except for Beryllium due to unknown chemical interference of matrix with the addition of spike amount after digestion and before analysis; matrix has suppression effect during addition of spike.

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CASE NARRATIVE

Earth Engineering Inc.
Project Name: Reserve Turgyan Farms
Project # N/A
Order ID # Q2818
Test Name: Cyanide,Hexavalent Chromium

A. Number of Samples and Date of Receipt:
02 Solid samples were received on 08/11/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Cyanide, EPH_NF, Hexavalent Chromium, Mercury, Metals ICP-TAL, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup3, SVOC-TCL BNA -20, TCL+30/TAL and VOC-TCLVOA-10. This data package contains results for Cyanide,Hexavalent Chromium.

C. Analytical Techniques:
The analysis of Hexavalent Chromium was based on method 7196A and The analysis of Cyanide was based on method 9012B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all compounds.
The Duplicate analysis met criteria for all compounds.
The Matrix Spike analysis met criteria for all compounds.
The Matrix Spike Duplicate analysis met criteria for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:
The temperature of the samples at the time of receipt was 6.1°C.

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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 #: Q2818

	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:** 08/22/2025

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Hit Summary Sheet
SW-846

SDG No.: Q2818

Client: Earth Engineering Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**B-2-5-1**							
Q2818-01	B-2-5-1	SOIL	Acetone	13.9	J	5.00	26.6	ug/Kg
			Total Voc :	13.9				
			Total Concentration:	13.9				
Client ID:	**B-3-5-2**							
Q2818-02	B-3-5-2	SOIL	Acetone	10.7	J	5.00	26.5	ug/Kg
			Total Voc :	10.7				
			Total Concentration:	10.7				

SAMPLE DATA

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-2-5-1	SDG No.:	Q2818
Lab Sample ID:	Q2818-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.5
Sample Wt/Vol:	5.38 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032069.D	1	08/11/25 16:12	VW081125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.30	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.30	ug/Kg
75-01-4	Vinyl Chloride	0.84	U	0.84	5.30	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.30	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.30	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	5.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.30	ug/Kg
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.30	ug/Kg
67-64-1	Acetone	13.9	J	5.00	26.6	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.78	U	0.78	5.30	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	5.30	ug/Kg
75-09-2	Methylene Chloride	3.70	U	3.70	10.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.91	U	0.91	5.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.85	U	0.85	5.30	ug/Kg
110-82-7	Cyclohexane	0.84	U	0.84	5.30	ug/Kg
78-93-3	2-Butanone	6.90	U	6.90	26.6	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.80	U	0.80	5.30	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.30	ug/Kg
67-66-3	Chloroform	0.89	U	0.89	5.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.99	U	0.99	5.30	ug/Kg
108-87-2	Methylcyclohexane	0.97	U	0.97	5.30	ug/Kg
71-43-2	Benzene	0.84	U	0.84	5.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.84	U	0.84	5.30	ug/Kg
79-01-6	Trichloroethene	0.86	U	0.86	5.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.97	U	0.97	5.30	ug/Kg
75-27-4	Bromodichloromethane	0.83	U	0.83	5.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.80	U	3.80	26.6	ug/Kg
108-88-3	Toluene	0.83	U	0.83	5.30	ug/Kg

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-2-5-1	SDG No.:	Q2818
Lab Sample ID:	Q2818-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.5
Sample Wt/Vol:	5.38 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032069.D	1	08/11/25 16:12	VW081125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.69	U	0.69	5.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.66	U	0.66	5.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.98	U	0.98	5.30	ug/Kg
591-78-6	2-Hexanone	3.90	U	3.90	26.6	ug/Kg
124-48-1	Dibromochloromethane	0.92	U	0.92	5.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.93	U	0.93	5.30	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.30	ug/Kg
108-90-7	Chlorobenzene	0.97	U	0.97	5.30	ug/Kg
100-41-4	Ethyl Benzene	0.71	U	0.71	5.30	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.6	ug/Kg
95-47-6	o-Xylene	0.87	U	0.87	5.30	ug/Kg
100-42-5	Styrene	0.75	U	0.75	5.30	ug/Kg
75-25-2	Bromoform	0.91	U	0.91	5.30	ug/Kg
98-82-8	Isopropylbenzene	0.83	U	0.83	5.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.80	5.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.70	U	1.70	5.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	2.00	5.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.20	U	3.20	5.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.40	U	3.40	5.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.5		63 - 155	103%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	49.7		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		17 - 146	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	175000	7.965			
540-36-3	1,4-Difluorobenzene	371000	8.856			
3114-55-4	Chlorobenzene-d5	349000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	162000	13.556			

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-2-5-1	SDG No.:	Q2818
Lab Sample ID:	Q2818-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.5
Sample Wt/Vol:	5.38 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032069.D	1	08/11/25 16:12	VW081125

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:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-3-5-2	SDG No.:	Q2818
Lab Sample ID:	Q2818-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.1
Sample Wt/Vol:	5.29 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032070.D	1	08/11/25 16:34	VW081125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.30	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.30	ug/Kg
75-01-4	Vinyl Chloride	0.84	U	0.84	5.30	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.30	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.30	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	5.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.30	ug/Kg
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.30	ug/Kg
67-64-1	Acetone	10.7	J	5.00	26.5	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.77	U	0.77	5.30	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	5.30	ug/Kg
75-09-2	Methylene Chloride	3.70	U	3.70	10.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.91	U	0.91	5.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.85	U	0.85	5.30	ug/Kg
110-82-7	Cyclohexane	0.84	U	0.84	5.30	ug/Kg
78-93-3	2-Butanone	6.90	U	6.90	26.5	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.80	U	0.80	5.30	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.30	ug/Kg
67-66-3	Chloroform	0.89	U	0.89	5.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.99	U	0.99	5.30	ug/Kg
108-87-2	Methylcyclohexane	0.97	U	0.97	5.30	ug/Kg
71-43-2	Benzene	0.84	U	0.84	5.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.84	U	0.84	5.30	ug/Kg
79-01-6	Trichloroethene	0.86	U	0.86	5.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.97	U	0.97	5.30	ug/Kg
75-27-4	Bromodichloromethane	0.83	U	0.83	5.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.80	U	3.80	26.5	ug/Kg
108-88-3	Toluene	0.83	U	0.83	5.30	ug/Kg

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-3-5-2	SDG No.:	Q2818
Lab Sample ID:	Q2818-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.1
Sample Wt/Vol:	5.29 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032070.D	1	08/11/25 16:34	VW081125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.69	U	0.69	5.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.66	U	0.66	5.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.98	U	0.98	5.30	ug/Kg
591-78-6	2-Hexanone	3.90	U	3.90	26.5	ug/Kg
124-48-1	Dibromochloromethane	0.92	U	0.92	5.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.93	U	0.93	5.30	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.30	ug/Kg
108-90-7	Chlorobenzene	0.97	U	0.97	5.30	ug/Kg
100-41-4	Ethyl Benzene	0.71	U	0.71	5.30	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.6	ug/Kg
95-47-6	o-Xylene	0.87	U	0.87	5.30	ug/Kg
100-42-5	Styrene	0.75	U	0.75	5.30	ug/Kg
75-25-2	Bromoform	0.91	U	0.91	5.30	ug/Kg
98-82-8	Isopropylbenzene	0.83	U	0.83	5.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.80	5.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.70	U	1.70	5.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	2.00	5.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.20	U	3.20	5.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.40	U	3.40	5.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.8		63 - 155	114%	SPK: 50
1868-53-7	Dibromofluoromethane	53.5		70 - 134	107%	SPK: 50
2037-26-5	Toluene-d8	50.0		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.4		17 - 146	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	163000	7.965			
540-36-3	1,4-Difluorobenzene	345000	8.855			
3114-55-4	Chlorobenzene-d5	338000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	164000	13.556			

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-3-5-2	SDG No.:	Q2818
Lab Sample ID:	Q2818-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.1
Sample Wt/Vol:	5.29 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032070.D	1	08/11/25 16:34	VW081125

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.: Q2818

Client: Earth Engineering Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2818-01	B-2-5-1	1,2-Dichloroethane-d4	50	51.5	103		63	155
		Dibromofluoromethane	50	49.6	99		70	134
		Toluene-d8	50	49.7	99		74	123
		4-Bromofluorobenzene	50	51.0	102		17	146
Q2818-02	B-3-5-2	1,2-Dichloroethane-d4	50	56.8	114		63	155
		Dibromofluoromethane	50	53.5	107		70	134
		Toluene-d8	50	50.0	100		74	123
		4-Bromofluorobenzene	50	54.4	109		17	146
VW0811SBL01	VW0811SBL01	1,2-Dichloroethane-d4	50	52.6	105		63	155
		Dibromofluoromethane	50	47.8	96		70	134
		Toluene-d8	50	49.1	98		74	123
		4-Bromofluorobenzene	50	47.4	95		17	146
VW0811SBS01	VW0811SBS01	1,2-Dichloroethane-d4	50	50.8	102		63	155
		Dibromofluoromethane	50	48.9	98		70	134
		Toluene-d8	50	49.8	100		74	123
		4-Bromofluorobenzene	50	52.4	105		17	146
VW0811SBSD0	VW0811SBSD01	1,2-Dichloroethane-d4	50	49.8	100		63	155
		Dibromofluoromethane	50	47.0	94		70	134
		Toluene-d8	50	48.3	97		74	123
		4-Bromofluorobenzene	50	49.8	100		17	146

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2818 **Analytical Method:** SW8260D

Client: Earth Engineering Inc. **Datafile :** VW032061.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW0811SBS01	Dichlorodifluoromethane	20	21.3	ug/Kg	106			64	136	
	Chloromethane	20	20.8	ug/Kg	104			52	151	
	Vinyl chloride	20	21.1	ug/Kg	106			56	148	
	Bromomethane	20	21.5	ug/Kg	108			58	141	
	Chloroethane	20	20.8	ug/Kg	104			69	130	
	Trichlorofluoromethane	20	17.6	ug/Kg	88			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.1	ug/Kg	101			81	123	
	1,1-Dichloroethene	20	20.4	ug/Kg	102			79	121	
	Acetone	100	120	ug/Kg	120			40	171	
	Carbon disulfide	20	20.2	ug/Kg	101			59	130	
	Methyl tert-butyl Ether	20	21.9	ug/Kg	110			77	129	
	Methyl Acetate	20	21.7	ug/Kg	109			69	149	
	Methylene Chloride	20	21.4	ug/Kg	107			72	131	
	trans-1,2-Dichloroethene	20	20.7	ug/Kg	104			80	123	
	1,1-Dichloroethane	20	21.0	ug/Kg	105			82	123	
	Cyclohexane	20	20.0	ug/Kg	100			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	20.0	ug/Kg	100			76	129	
	cis-1,2-Dichloroethene	20	21.2	ug/Kg	106			82	123	
	Bromochloromethane	20	20.5	ug/Kg	103			80	127	
	Chloroform	20	21.1	ug/Kg	106			82	125	
	1,1,1-Trichloroethane	20	20.7	ug/Kg	104			80	126	
	Methylcyclohexane	20	20.0	ug/Kg	100			77	123	
	Benzene	20	21.0	ug/Kg	105			84	121	
	1,2-Dichloroethane	20	20.9	ug/Kg	104			81	126	
	Trichloroethene	20	20.2	ug/Kg	101			83	122	
	1,2-Dichloropropane	20	21.0	ug/Kg	105			83	122	
	Bromodichloromethane	20	20.4	ug/Kg	102			82	123	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			70	135	
	Toluene	20	21.0	ug/Kg	105			83	122	
	t-1,3-Dichloropropene	20	20.4	ug/Kg	102			78	124	
	cis-1,3-Dichloropropene	20	20.9	ug/Kg	104			81	122	
	1,1,2-Trichloroethane	20	20.8	ug/Kg	104			82	125	
	2-Hexanone	100	110	ug/Kg	110			66	138	
	Dibromochloromethane	20	20.6	ug/Kg	103			79	125	
	1,2-Dibromoethane	20	21.2	ug/Kg	106			80	125	
	Tetrachloroethene	20	21.1	ug/Kg	106			83	125	
	Chlorobenzene	20	20.2	ug/Kg	101			84	122	
	Ethyl Benzene	20	20.1	ug/Kg	101			82	124	
	m/p-Xylenes	40	40.9	ug/Kg	102			83	124	
	o-Xylene	20	21.2	ug/Kg	106			83	123	
	Styrene	20	20.9	ug/Kg	104			82	124	
	Bromoform	20	19.6	ug/Kg	98			75	127	
	Isopropylbenzene	20	19.9	ug/Kg	100			82	124	
	1,1,2,2-Tetrachloroethane	20	20.1	ug/Kg	101			77	127	
	1,3-Dichlorobenzene	20	20.4	ug/Kg	102			83	122	
	1,4-Dichlorobenzene	20	20.7	ug/Kg	104			84	121	
	1,2-Dichlorobenzene	20	20.3	ug/Kg	102			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q2818**	**Analytical Method:**	**SW8260D**
Client:	**Earth Engineering Inc.**	**Datafile :**	VW032061.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW0811SBS01	1,2-Dibromo-3-Chloropropane	20	20.1	ug/Kg	101			66	134	
	1,2,4-Trichlorobenzene	20	19.5	ug/Kg	98			78	127	
	1,2,3-Trichlorobenzene	20	21.4	ug/Kg	107			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2818 **Analytical Method:** SW8260D

Client: Earth Engineering Inc. **Datafile :** VW032062.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW0811SBSD01	Dichlorodifluoromethane	20	20.4	ug/Kg	102	4		64	136	20
	Chloromethane	20	21.5	ug/Kg	108	4		52	151	20
	Vinyl chloride	20	20.6	ug/Kg	103	3		56	148	20
	Bromomethane	20	21.1	ug/Kg	106	2		58	141	20
	Chloroethane	20	20.9	ug/Kg	104	0		69	130	20
	Trichlorofluoromethane	20	20.7	ug/Kg	104	17		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	19.8	ug/Kg	99	2		81	123	20
	1,1-Dichloroethene	20	20.2	ug/Kg	101	1		79	121	20
	Acetone	100	110	ug/Kg	110	9		40	171	20
	Carbon disulfide	20	20.0	ug/Kg	100	1		59	130	20
	Methyl tert-butyl Ether	20	21.8	ug/Kg	109	1		77	129	20
	Methyl Acetate	20	21.5	ug/Kg	108	1		69	149	20
	Methylene Chloride	20	21.6	ug/Kg	108	1		72	131	20
	trans-1,2-Dichloroethene	20	20.5	ug/Kg	103	1		80	123	20
	1,1-Dichloroethane	20	20.5	ug/Kg	103	2		82	123	20
	Cyclohexane	20	20.1	ug/Kg	101	1		76	122	20
	2-Butanone	100	110	ug/Kg	110	0		69	131	20
	Carbon Tetrachloride	20	19.8	ug/Kg	99	1		76	129	20
	cis-1,2-Dichloroethene	20	20.8	ug/Kg	104	2		82	123	20
	Bromochloromethane	20	20.0	ug/Kg	100	3		80	127	20
	Chloroform	20	21.0	ug/Kg	105	1		82	125	20
	1,1,1-Trichloroethane	20	20.4	ug/Kg	102	2		80	126	20
	Methylcyclohexane	20	20.1	ug/Kg	101	1		77	123	20
	Benzene	20	20.2	ug/Kg	101	4		84	121	20
	1,2-Dichloroethane	20	20.8	ug/Kg	104	0		81	126	20
	Trichloroethene	20	20.1	ug/Kg	101	0		83	122	20
	1,2-Dichloropropane	20	20.1	ug/Kg	101	4		83	122	20
	Bromodichloromethane	20	20.0	ug/Kg	100	2		82	123	20
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	10		70	135	20
	Toluene	20	20.5	ug/Kg	103	2		83	122	20
	t-1,3-Dichloropropene	20	20.0	ug/Kg	100	2		78	124	20
	cis-1,3-Dichloropropene	20	20.4	ug/Kg	102	2		81	122	20
	1,1,2-Trichloroethane	20	20.7	ug/Kg	104	0		82	125	20
	2-Hexanone	100	110	ug/Kg	110	0		66	138	20
	Dibromochloromethane	20	20.1	ug/Kg	101	2		79	125	20
	1,2-Dibromoethane	20	20.7	ug/Kg	104	2		80	125	20
	Tetrachloroethene	20	20.5	ug/Kg	103	3		83	125	20
	Chlorobenzene	20	20.2	ug/Kg	101	0		84	122	20
	Ethyl Benzene	20	20.5	ug/Kg	103	2		82	124	20
	m/p-Xylenes	40	40.7	ug/Kg	102	0		83	124	20
	o-Xylene	20	20.4	ug/Kg	102	4		83	123	20
	Styrene	20	20.8	ug/Kg	104	0		82	124	20
	Bromoform	20	20.2	ug/Kg	101	3		75	127	20
	Isopropylbenzene	20	19.5	ug/Kg	98	2		82	124	20
	1,1,2,2-Tetrachloroethane	20	20.5	ug/Kg	103	2		77	127	20
	1,3-Dichlorobenzene	20	20.7	ug/Kg	104	2		83	122	20
	1,4-Dichlorobenzene	20	20.7	ug/Kg	104	0		84	121	20
	1,2-Dichlorobenzene	20	20.8	ug/Kg	104	2		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q2818**	**Analytical Method:**	**SW8260D**
Client:	**Earth Engineering Inc.**	**Datafile :**	VW032062.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW0811SBSD01	1,2-Dibromo-3-Chloropropane	20	19.6	ug/Kg	98	3		66	134	20
	1,2,4-Trichlorobenzene	20	20.4	ug/Kg	102	4		78	127	20
	1,2,3-Trichlorobenzene	20	20.6	ug/Kg	103	4		70	137	20

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VOLATILE METHOD BLANK SUMMARY

Client ID: VW0811SBL01

Lab Name: Alliance | Contract: EARTH03

Lab Code: ACE | SDG NO.: Q2818

Lab File ID: VW032060.D | Lab Sample ID: VW0811SBL01

Date Analyzed: 08/11/2025 | Time Analyzed: 12:18

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

Instrument ID: MSVOA_W

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VW0811SBS01	VW0811SBS01	VW032061.D	08/11/2025
VW0811SBSD01	VW0811SBSD01	VW032062.D	08/11/2025
B-2-5-1	Q2818-01	VW032069.D	08/11/2025
B-3-5-2	Q2818-02	VW032070.D	08/11/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: EARTH03
Lab Code: ACE
SDG NO.: Q2818
Lab File ID: VW032051.D
BFB Injection Date: 08/11/2025
Instrument ID: MSVOA_W
BFB Injection Time: 07:53
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	18.3
75	30.0 - 60.0% of mass 95	51.9
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	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	67.1
175	5.0 - 9.0% of mass 174	4.9 (7.3) 1
176	95.0 - 101.0% of mass 174	64.2 (95.6) 1
177	5.0 - 9.0% of mass 176	4.2 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VW032052.D	08/11/2025	08:25
VSTDICC010	VSTDICC010	VW032053.D	08/11/2025	09:09
VSTDICC020	VSTDICC020	VW032054.D	08/11/2025	09:47
VSTDICCC050	VSTDICCC050	VW032055.D	08/11/2025	10:09
VSTDICC100	VSTDICC100	VW032056.D	08/11/2025	10:46
VSTDICC150	VSTDICC150	VW032057.D	08/11/2025	11:08
VW0811SBL01	VW0811SBL01	VW032060.D	08/11/2025	12:18
VW0811SBS01	VW0811SBS01	VW032061.D	08/11/2025	12:48
VW0811SBSD01	VW0811SBSD01	VW032062.D	08/11/2025	13:10
B-2-5-1	Q2818-01	VW032069.D	08/11/2025	16:12
B-3-5-2	Q2818-02	VW032070.D	08/11/2025	16:34

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG NO.: Q2818

Lab File ID: VW032055.D Date Analyzed: 08/11/2025

Instrument ID: MSVOA_W Time Analyzed: 10:09

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	223324	7.96	406973	8.85	378090	11.63
UPPER LIMIT	446648	8.459	813946	9.349	756180	12.129
LOWER LIMIT	111662	7.459	203487	8.349	189045	11.129
EPA SAMPLE NO.						
B-2-5-1	174717	7.97	370548	8.86	348814	11.63
B-3-5-2	163499	7.97	344516	8.86	338197	11.63
VW0811SBL01	176404	7.96	391811	8.85	359327	11.64
VW0811SBS01	224181	7.96	427747	8.85	394820	11.63
VW0811SBSD01	226773	7.96	441696	8.85	400240	11.64

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG NO.: Q2818

Lab File ID: VW032055.D Date Analyzed: 08/11/2025

Instrument ID: MSVOA_W Time Analyzed: 10:09

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

	IS4 AREA #	RT #				
12 HOUR STD	178995	13.556				
UPPER LIMIT	357990	14.056				
LOWER LIMIT	89497.5	13.056				
EPA SAMPLE NO.						
B-2-5-1	162398	13.56				
B-3-5-2	164031	13.56				
VW0811SBL01	169733	13.56				
VW0811SBS01	191594	13.56				
VW0811SBSD01	195548	13.56				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	VW0811SBL01	SDG No.:	Q2818
Lab Sample ID:	VW0811SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032060.D	1	08/11/25 12:18	VW081125

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:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	VW0811SBL01	SDG No.:	Q2818
Lab Sample ID:	VW0811SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032060.D	1	08/11/25 12:18	VW081125

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	52.6		63 - 155	105%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	49.1		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.4		17 - 146	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	176000	7.959			
540-36-3	1,4-Difluorobenzene	392000	8.849			
3114-55-4	Chlorobenzene-d5	359000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	170000	13.556			

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	VW0811SBL01	SDG No.:	Q2818
Lab Sample ID:	VW0811SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032060.D	1	08/11/25 12:18	VW081125

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:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	VW0811SBS01	SDG No.:	Q2818
Lab Sample ID:	VW0811SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032061.D	1	08/11/25 12:48	VW081125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.3		1.10	5.00	ug/Kg
74-87-3	Chloromethane	20.8		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	21.1		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.5		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.8		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	17.6		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.1		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.4		1.00	5.00	ug/Kg
67-64-1	Acetone	120		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.2		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.9		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	21.7		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	21.4		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.7		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.0		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.0		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.0		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.2		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.5		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.1		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.7		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.0		0.91	5.00	ug/Kg
71-43-2	Benzene	21.0		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.9		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.2		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.0		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.4		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		3.60	25.0	ug/Kg
108-88-3	Toluene	21.0		0.78	5.00	ug/Kg

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	VW0811SBS01	SDG No.:	Q2818
Lab Sample ID:	VW0811SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032061.D	1	08/11/25 12:48	VW081125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.4		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.9		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.8		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.6		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.2		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.1		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.2		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.1		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.9		1.20	10.0	ug/Kg
95-47-6	o-Xylene	21.2		0.82	5.00	ug/Kg
100-42-5	Styrene	20.9		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.6		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.9		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.1		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.4		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.7		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.3		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.1		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.5		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	21.4		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.8		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		70 - 134	98%	SPK: 50
2037-26-5	Toluene-d8	49.8		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.4		17 - 146	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	224000	7.959			
540-36-3	1,4-Difluorobenzene	428000	8.849			
3114-55-4	Chlorobenzene-d5	395000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	192000	13.556			

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	VW0811SBS01	SDG No.:	Q2818
Lab Sample ID:	VW0811SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032061.D	1	08/11/25 12:48	VW081125

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:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	VW0811SBSD01	SDG No.:	Q2818
Lab Sample ID:	VW0811SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032062.D	1	08/11/25 13:10	VW081125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.4		1.10	5.00	ug/Kg
74-87-3	Chloromethane	21.5		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.6		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.1		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.9		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.7		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.2		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.0		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.8		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	21.5		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	21.6		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	20.5		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.1		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		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	20.8		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.0		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.0		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.4		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.1		0.91	5.00	ug/Kg
71-43-2	Benzene	20.2		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.8		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.1		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.1		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.0		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	20.5		0.78	5.00	ug/Kg

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	VW0811SBSD01	SDG No.:	Q2818
Lab Sample ID:	VW0811SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032062.D	1	08/11/25 13:10	VW081125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.0		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.4		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.7		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.1		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.7		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.5		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.2		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.5		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.7		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.4		0.82	5.00	ug/Kg
100-42-5	Styrene	20.8		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.2		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.5		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.5		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.7		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.7		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.8		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.6		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.4		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.6		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.8		63 - 155	100%	SPK: 50
1868-53-7	Dibromofluoromethane	47.0		70 - 134	94%	SPK: 50
2037-26-5	Toluene-d8	48.3		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		17 - 146	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	227000	7.959			
540-36-3	1,4-Difluorobenzene	442000	8.849			
3114-55-4	Chlorobenzene-d5	400000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	196000	13.556			

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	VW0811SBSD01	SDG No.:	Q2818
Lab Sample ID:	VW0811SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032062.D	1	08/11/25 13:10	VW081125

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: Alliance | Contract: EARTH03

Lab Code: ACE | SDG No.: Q2818

Instrument ID: MSVOA_W | Calibration Date(s): 08/11/2025 08/11/2025

Heated Purge: (Y/N) Y | Calibration Time(s): 08:25 11:08

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

LAB FILE ID: RRF005 = VW032052.D RRF010 = VW032053.D RRF020 = VW032054.D
RRF050 = VW032055.D RRF100 = VW032056.D RRF150 = VW032057.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.399	0.383	0.385	0.336	0.317	0.325	0.358	9.9
Chloromethane	0.549	0.482	0.501	0.438	0.452	0.469	0.482	8.2
Vinyl Chloride	0.622	0.621	0.646	0.530	0.540	0.537	0.583	9
Bromomethane	0.482	0.452	0.462	0.411	0.413	0.403	0.437	7.5
Chloroethane	0.409	0.389	0.408	0.367	0.373	0.368	0.386	5
Trichlorofluoromethane	0.545	0.436	0.439	0.464	0.413	0.504	0.467	10.6
1,1,2-Trichlorotrifluoroethane	0.616	0.566	0.588	0.517	0.507	0.510	0.551	8.4
1,1-Dichloroethene	0.650	0.620	0.649	0.575	0.568	0.577	0.606	6.3
Acetone	0.203	0.181	0.151	0.163	0.148	0.157	0.167	12.6
Carbon Disulfide	1.694	1.616	1.727	1.557	1.567	1.605	1.628	4.2
Methyl tert-butyl Ether	1.022	1.063	1.085	1.102	1.070	1.068	1.068	2.5
Methyl Acetate	0.485	0.604	0.491	0.555	0.494	0.551	0.530	9
Methylene Chloride	1.043	0.787	0.840	0.681	0.644	0.649	0.774	19.9
trans-1,2-Dichloroethene	0.650	0.641	0.673	0.627	0.636	0.634	0.644	2.6
1,1-Dichloroethane	1.193	1.200	1.249	1.157	1.173	1.161	1.189	2.9
Cyclohexane	1.170	1.080	1.073	0.961	0.941	0.958	1.031	8.9
2-Butanone	0.233	0.241	0.217	0.255	0.233	0.249	0.238	5.7
Carbon Tetrachloride	0.441	0.440	0.451	0.448	0.426	0.430	0.439	2.2
cis-1,2-Dichloroethene	0.711	0.736	0.772	0.749	0.775	0.769	0.752	3.3
Bromochloromethane	0.561	0.542	0.549	0.543	0.521	0.529	0.541	2.6
Chloroform	1.267	1.269	1.324	1.235	1.243	1.223	1.260	2.9
1,1,1-Trichloroethane	0.960	0.949	0.965	0.872	0.869	0.878	0.915	5.1
Methylcyclohexane	0.525	0.540	0.568	0.578	0.540	0.578	0.555	4.1
Benzene	1.399	1.423	1.439	1.469	1.365	1.398	1.415	2.6
1,2-Dichloroethane	0.461	0.467	0.458	0.466	0.429	0.436	0.453	3.6
Trichloroethene	0.353	0.334	0.342	0.339	0.319	0.335	0.337	3.3
1,2-Dichloropropane	0.339	0.342	0.352	0.352	0.327	0.339	0.342	2.8
Bromodichloromethane	0.501	0.499	0.505	0.532	0.498	0.516	0.509	2.6
4-Methyl-2-Pentanone	0.265	0.284	0.258	0.312	0.265	0.287	0.279	7.3
Toluene	0.837	0.882	0.910	0.932	0.887	0.902	0.892	3.6

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: EARTH03

Lab Code: ACE | SDG No.: Q2818

Instrument ID: MSVOA_W | Calibration Date(s): 08/11/2025 08/11/2025

Heated Purge: (Y/N) Y | Calibration Time(s): 08:25 11:08

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

LAB FILE ID: RRF005 = VW032052.D RRF010 = VW032053.D RRF020 = VW032054.D
RRF050 = VW032055.D RRF100 = VW032056.D RRF150 = VW032057.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.430	0.450	0.464	0.515	0.483	0.517	0.476	7.4
cis-1,3-Dichloropropene	0.499	0.516	0.530	0.581	0.552	0.566	0.541	5.8
1,1,2-Trichloroethane	0.297	0.296	0.292	0.306	0.282	0.288	0.293	2.8
2-Hexanone	0.178	0.194	0.177	0.220	0.187	0.202	0.193	8.5
Dibromochloromethane	0.322	0.327	0.330	0.349	0.332	0.349	0.335	3.5
1,2-Dibromoethane	0.282	0.283	0.276	0.299	0.283	0.287	0.285	2.7
Tetrachloroethene	0.293	0.301	0.295	0.279	0.275	0.290	0.289	3.5
Chlorobenzene	1.112	1.116	1.098	1.068	1.043	1.093	1.088	2.6
Ethyl Benzene	1.714	1.806	1.921	1.870	1.830	1.921	1.843	4.3
m/p-Xylenes	0.645	0.707	0.754	0.731	0.702	0.730	0.711	5.3
o-Xylene	0.578	0.639	0.673	0.681	0.675	0.699	0.657	6.6
Styrene	1.004	1.135	1.226	1.211	1.181	1.249	1.168	7.7
Bromoform	0.186	0.189	0.184	0.206	0.188	0.212	0.194	6
Isopropylbenzene	2.910	3.454	3.525	3.657	3.595	3.825	3.494	9
1,1,2,2-Tetrachloroethane	0.803	0.871	0.769	0.872	0.794	0.870	0.830	5.6
1,3-Dichlorobenzene	1.546	1.721	1.684	1.752	1.583	1.679	1.661	4.8
1,4-Dichlorobenzene	1.653	1.733	1.739	1.673	1.625	1.646	1.678	2.8
1,2-Dichlorobenzene	1.455	1.558	1.490	1.528	1.450	1.544	1.504	3.1
1,2-Dibromo-3-Chloropropane	0.151	0.146	0.131	0.159	0.141	0.157	0.147	7.1
1,2,4-Trichlorobenzene	0.794	0.878	0.905	0.920	0.937	0.966	0.900	6.6
1,2,3-Trichlorobenzene	0.714	0.791	0.804	0.836	0.866	0.903	0.819	8
1,2-Dichloroethane-d4	0.746	0.748	0.720	0.716	0.712	0.697	0.723	2.7
Dibromofluoromethane	0.336	0.328	0.326	0.325	0.313	0.311	0.323	3
Toluene-d8	1.175	1.180	1.207	1.245	1.184	1.178	1.195	2.3
4-Bromofluorobenzene	0.428	0.431	0.444	0.460	0.438	0.441	0.440	2.6

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

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032069.D
Acq On : 11 Aug 2025 16:12
Operator : SY/MD
Sample : Q2818-01
Misc : 5.38g/5mL/MSVOA_W/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-2-5-1

Quant Time: Aug 12 04:27:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

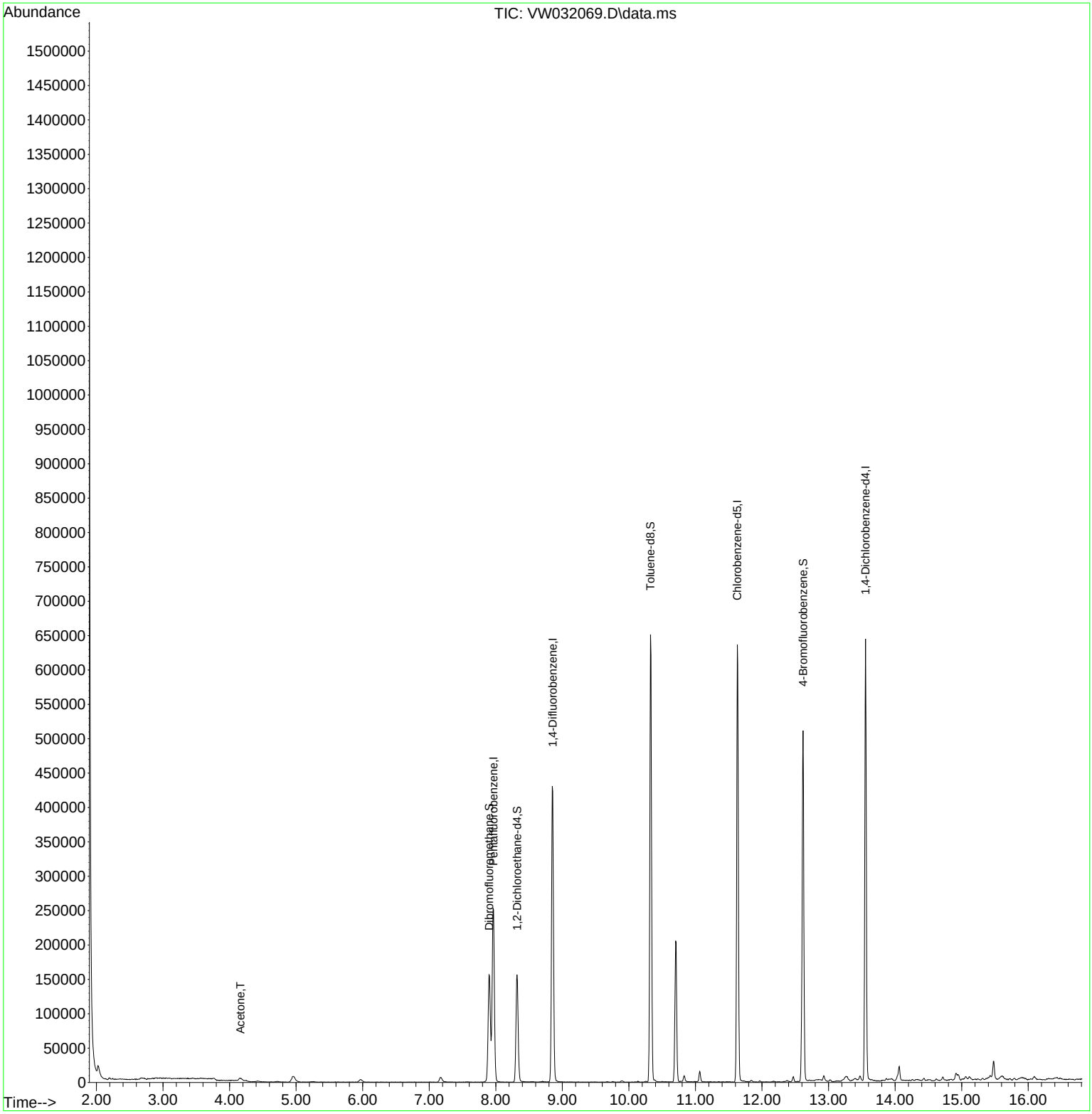
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	174717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	370548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	348814	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	162398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	130197	51.524	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 103.040%			
35) Dibromofluoromethane	7.898	113	118747	49.604	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 99.200%			
50) Toluene-d8	10.325	98	439783	49.669	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 99.340%			
62) 4-Bromofluorobenzene	12.617	95	166429	51.006	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 102.020%			
Target Compounds						Qvalue
16) Acetone	4.161	43	7642	13.062	ug/l	90

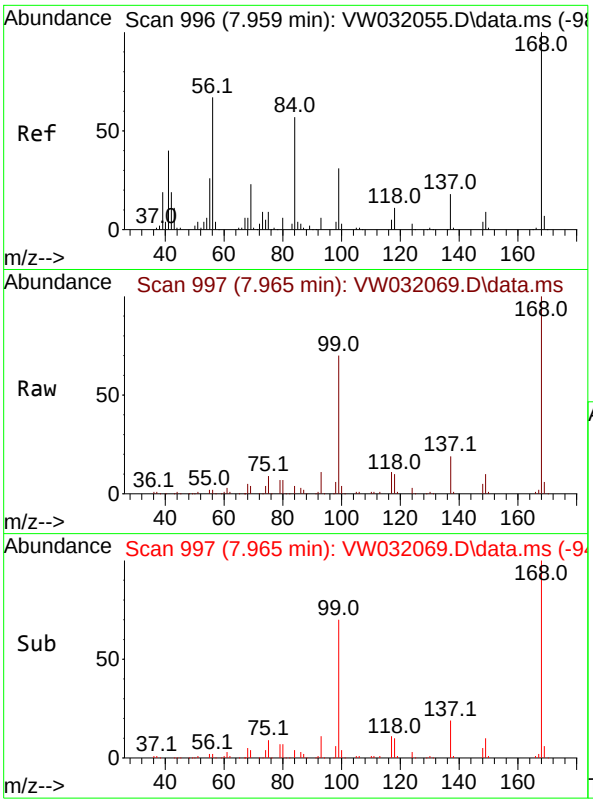
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032069.D
Acq On : 11 Aug 2025 16:12
Operator : SY/MD
Sample : Q2818-01
Misc : 5.38g/5mL/MSVOA_W/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-2-5-1

Quant Time: Aug 12 04:27:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration



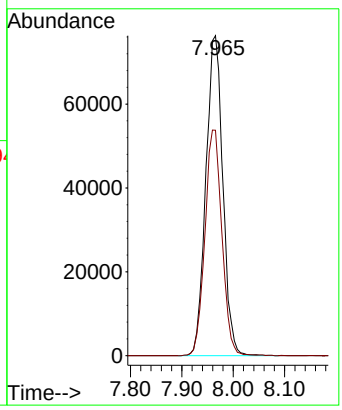


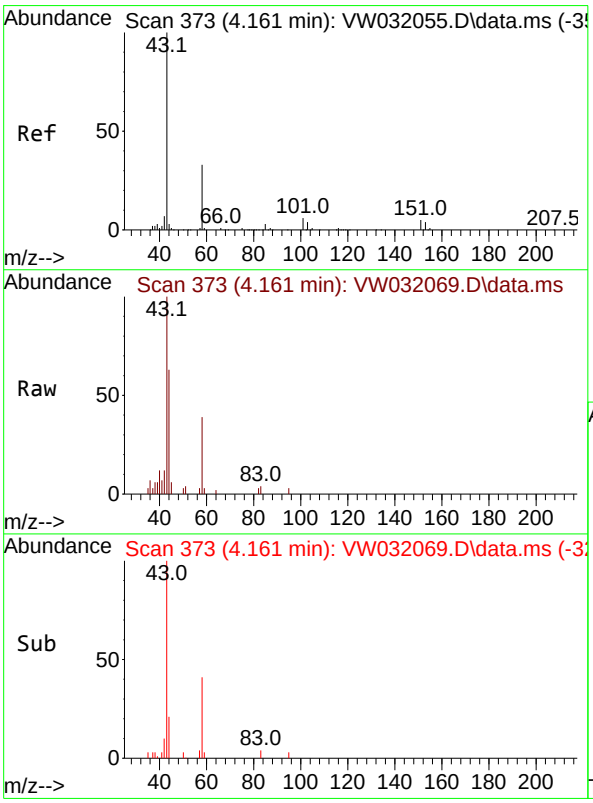
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

Instrument :
MSVOA_W
ClientSampleId :
B-2-5-1

Tgt Ion:168 Resp: 174717

Ion	Ratio	Lower	Upper
168	100		
99	70.4	56.0	84.0

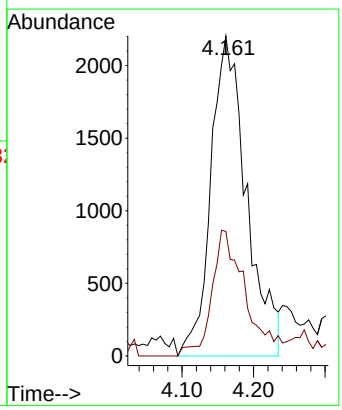


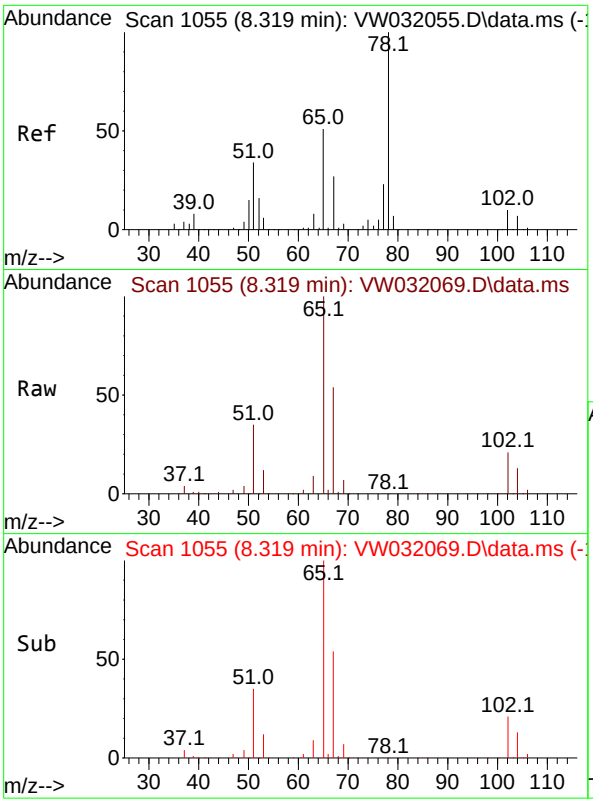


#16
Acetone
Concen: 13.062 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

Tgt Ion: 43 Resp: 7642

Ion	Ratio	Lower	Upper
43	100		
58	38.9	26.6	39.8



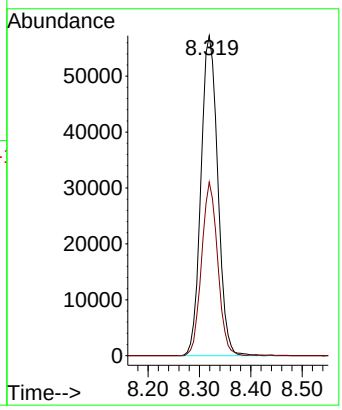


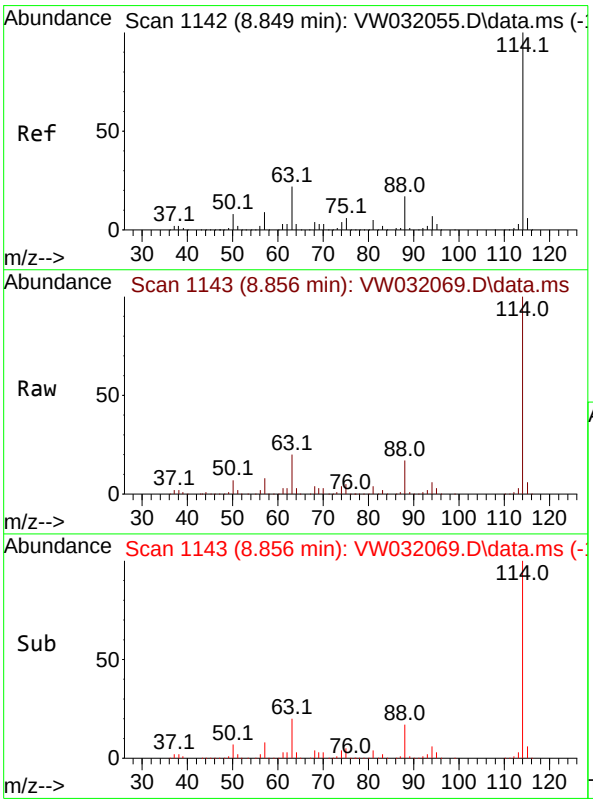
#33
1,2-Dichloroethane-d4
Concen: 51.524 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

Instrument :
MSVOA_W
ClientSampleId :
B-2-5-1

Tgt Ion: 65 Resp: 130197

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	102.4

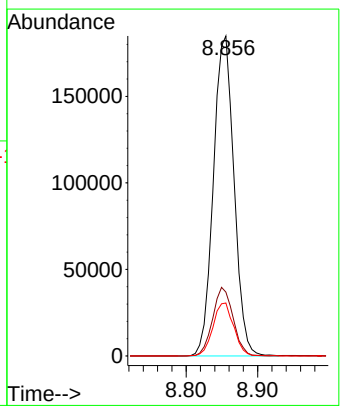


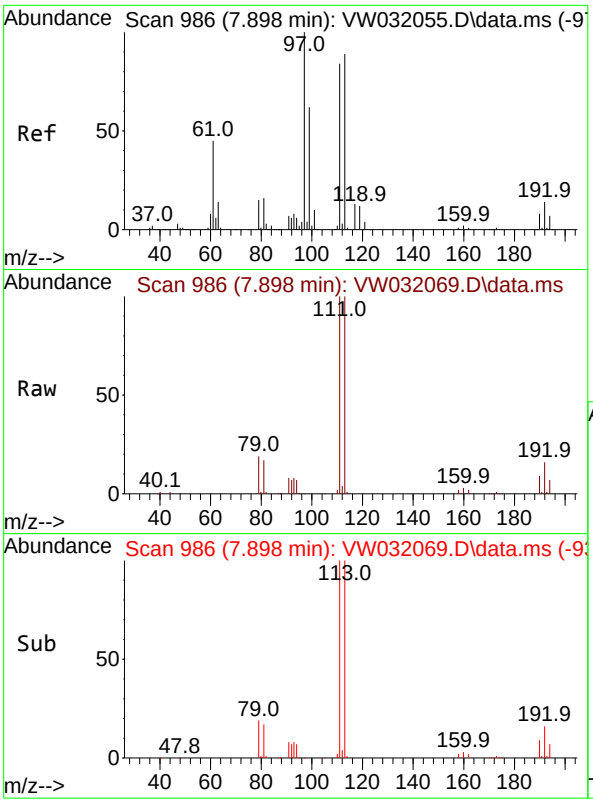


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.856 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

Tgt Ion:114 Resp: 370548

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	43.0
88	16.5	0.0	33.8



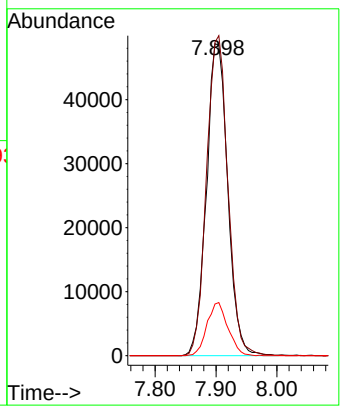


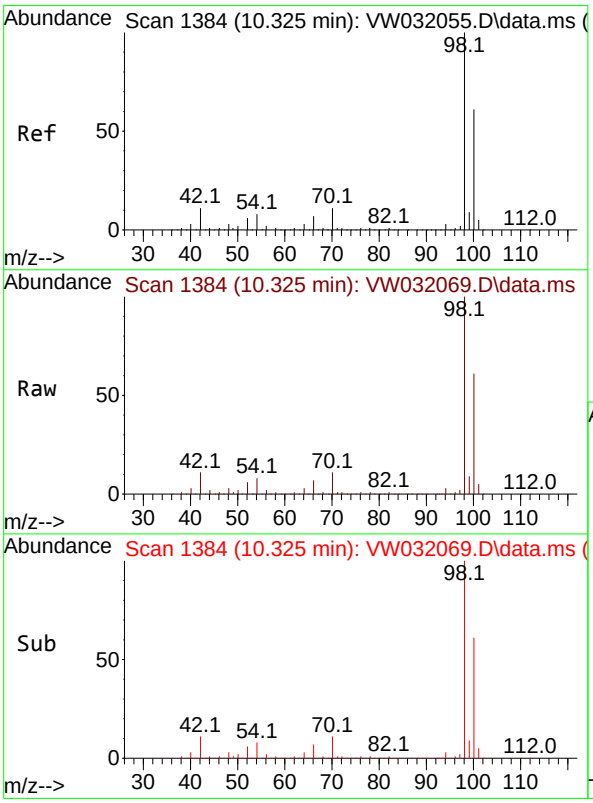
#35
Dibromofluoromethane
Concen: 49.604 ug/l
RT: 7.898 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

Instrument :
MSVOA_W
ClientSampleId :
B-2-5-1

Tgt Ion:113 Resp: 118747

Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.1	120.1
192	16.7	13.1	19.7

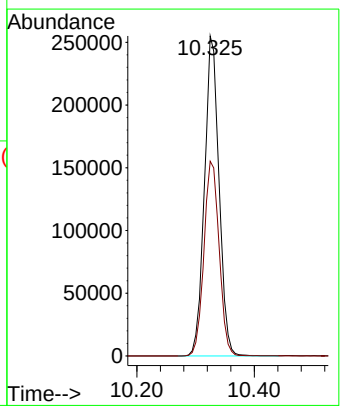


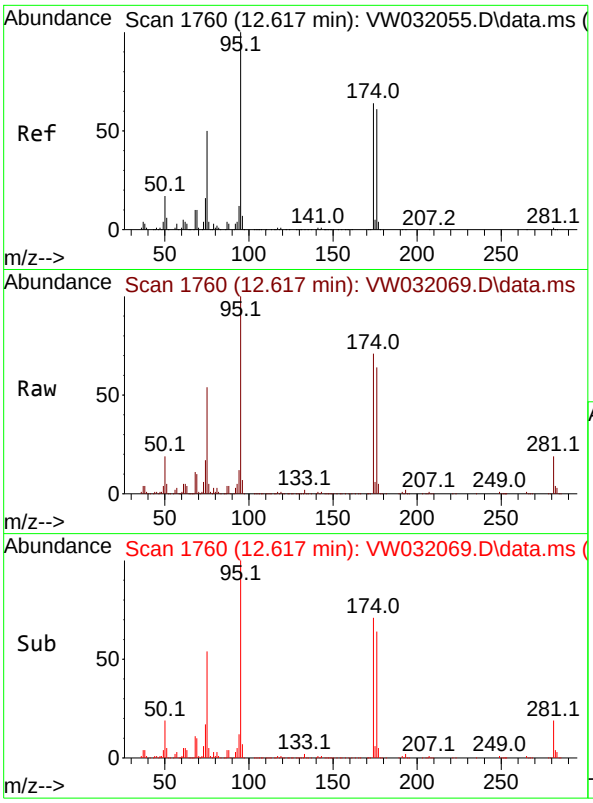


#50
Toluene-d8
Concen: 49.669 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

Tgt Ion: 98 Resp: 439783

Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.1	76.7



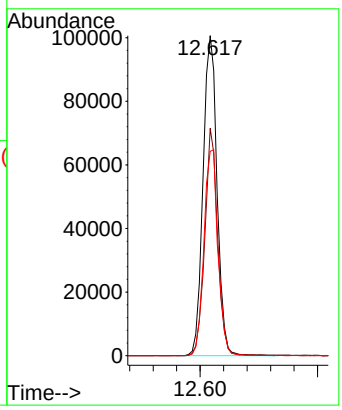


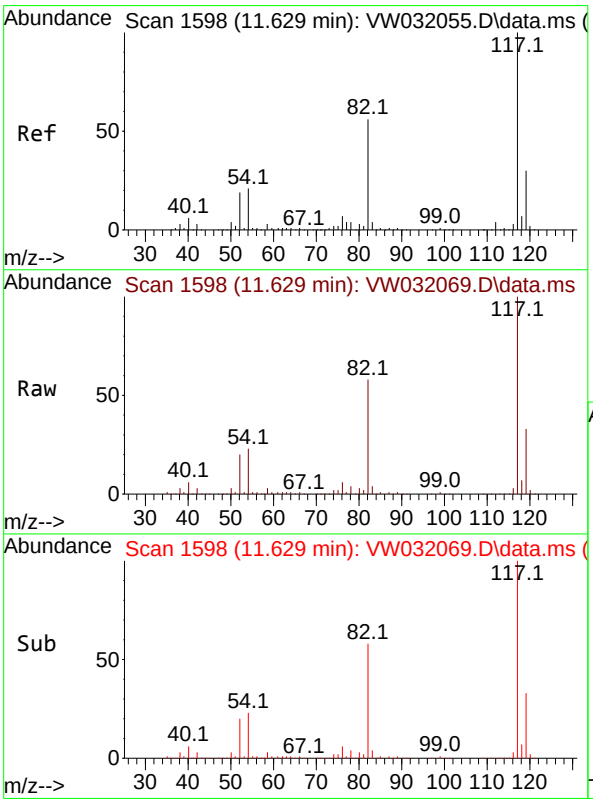
#62
4-Bromofluorobenzene
Concen: 51.006 ug/l
RT: 12.617 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

Instrument :
MSVOA_W
ClientSampleId :
B-2-5-1

Tgt Ion: 95 Resp: 166429

Ion	Ratio	Lower	Upper
95	100		
174	64.9	0.0	129.0
176	64.7	0.0	124.6

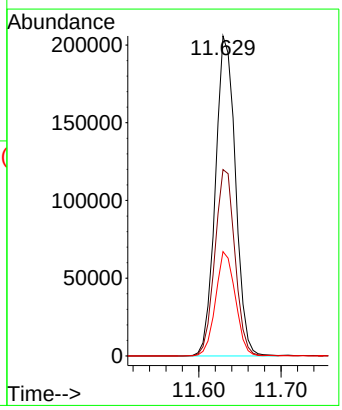


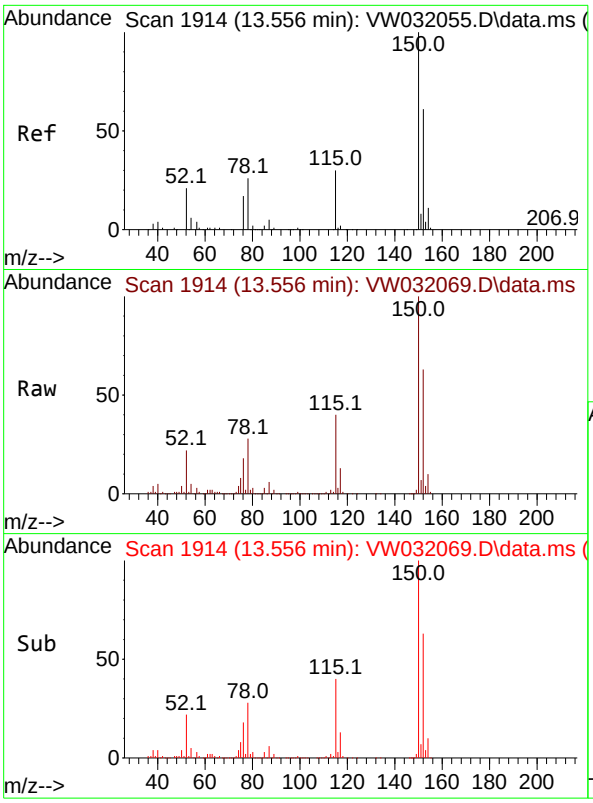


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

Tgt Ion:117 Resp: 348814

Ion	Ratio	Lower	Upper
117	100		
82	58.2	45.0	67.4
119	32.6	24.2	36.4



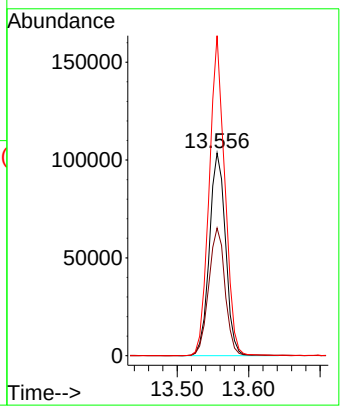


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

Instrument :
MSVOA_W
ClientSampleId :
B-2-5-1

Tgt Ion:152 Resp: 162398

Ion	Ratio	Lower	Upper
152	100		
115	63.9	32.6	97.8
150	152.7	0.0	359.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032069.D
Acq On : 11 Aug 2025 16:12
Operator : SY/MD
Sample : Q2818-01
Misc : 5.38g/5mL/MSVOA_W/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-2-5-1

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Title : SW846 8260

Signal : TIC: VW032069.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.021	19	22	39	rVB	19107	53091	4.64%	0.753%
2	4.954	491	503	517	rBV3	8266	33746	2.95%	0.478%
3	5.966	660	669	677	rBV6	3760	12275	1.07%	0.174%
4	7.167	856	866	875	rBV3	6883	20654	1.80%	0.293%
5	7.898	970	986	991	rBV	155914	380174	33.20%	5.391%
6	7.959	991	996	1009	rVB	252018	580878	50.72%	8.236%
7	8.319	1047	1055	1071	rBV2	156053	354462	30.95%	5.026%
8	8.849	1132	1142	1152	rBV	430320	878921	76.75%	12.462%
9	10.325	1376	1384	1392	rBV	650828	1145154	100.00%	16.237%
10	10.703	1438	1446	1454	rBV	205293	377762	32.99%	5.356%
11	10.831	1461	1467	1477	rVB2	8734	16304	1.42%	0.231%
12	11.062	1498	1505	1512	rVB2	15186	25229	2.20%	0.358%
13	11.629	1589	1598	1612	rBV	636042	1087788	94.99%	15.424%
14	12.617	1751	1760	1771	rBV2	510186	902246	78.79%	12.793%
15	12.928	1807	1811	1819	rVB6	7721	14102	1.23%	0.200%
16	13.263	1853	1866	1868	rBV10	6975	21085	1.84%	0.299%
17	13.556	1907	1914	1927	rBV	642175	1008070	88.03%	14.293%
18	14.062	1986	1997	2005	rBV2	20576	45572	3.98%	0.646%
19	14.915	2129	2137	2140	rBV6	10132	22199	1.94%	0.315%
20	15.482	2224	2230	2238	rVB	26368	51719	4.52%	0.733%
21	15.610	2241	2251	2261	rVB	5483	21229	1.85%	0.301%

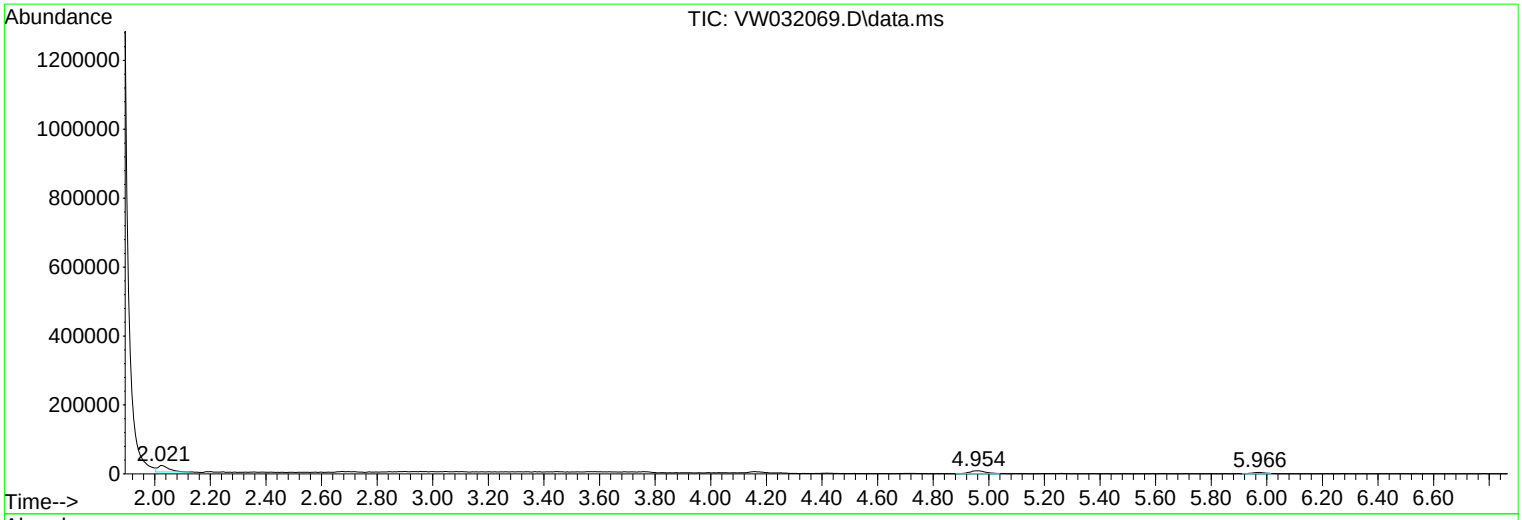
Sum of corrected areas: 7052660

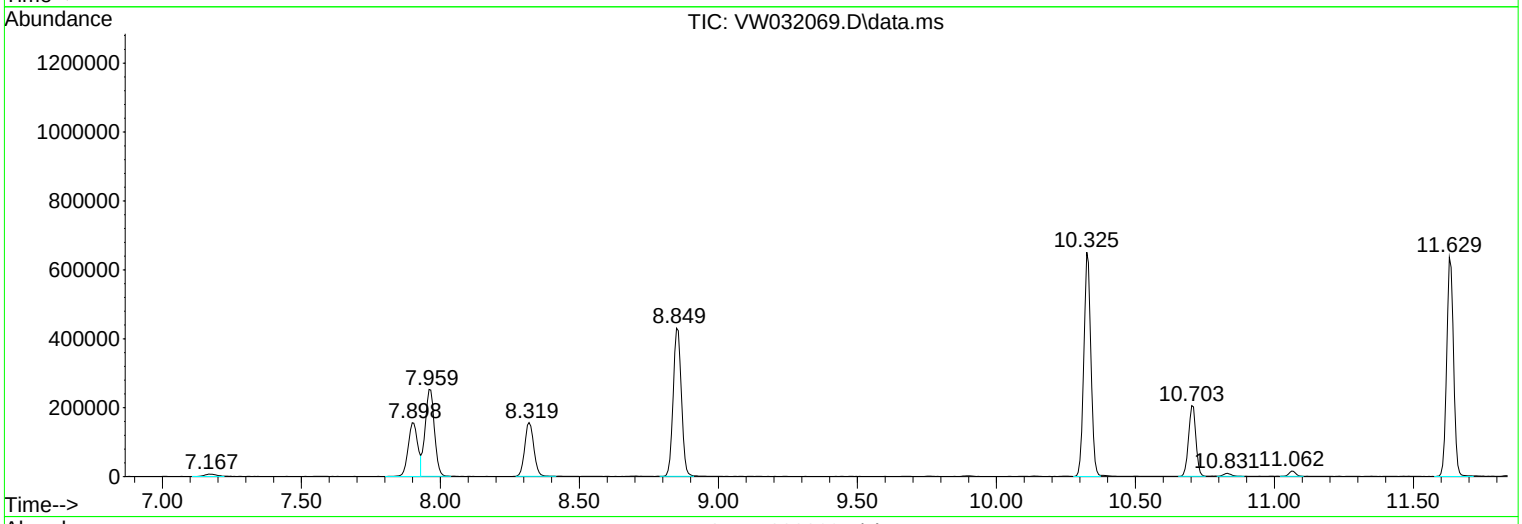
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032069.D
Acq On : 11 Aug 2025 16:12
Operator : SY/MD
Sample : Q2818-01
Misc : 5.38g/5mL/MSVOA_W/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

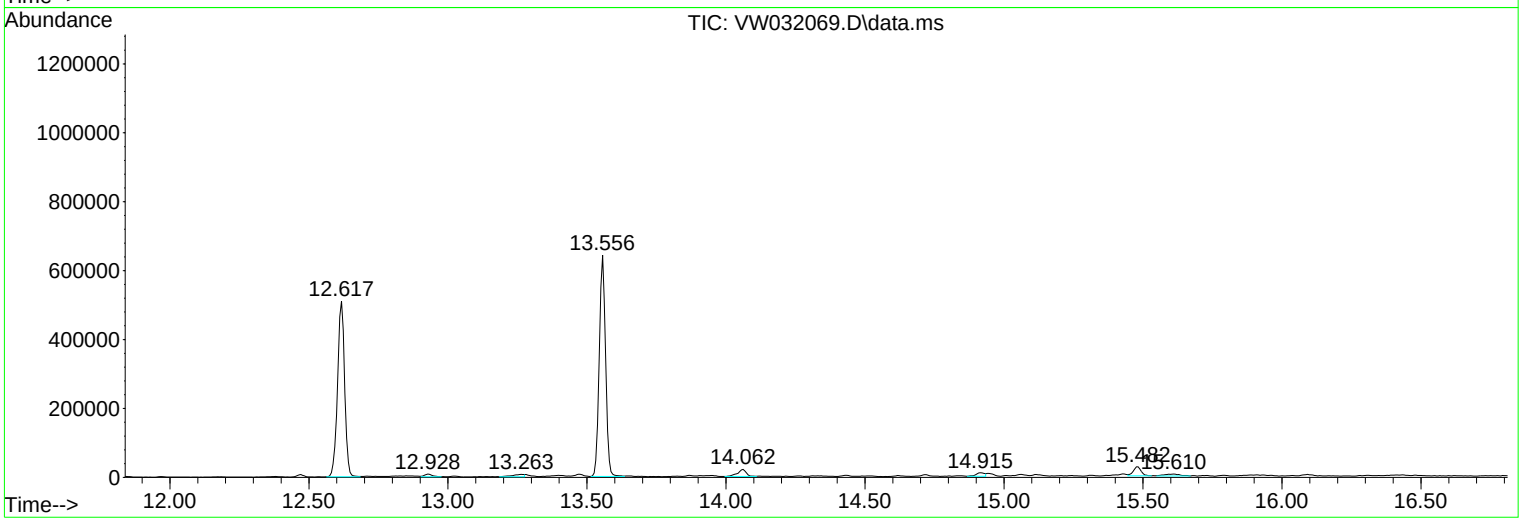
Instrument :
MSVOA_W
ClientSampleId :
B-2-5-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032069.D
Acq On : 11 Aug 2025 16:12
Operator : SY/MD
Sample : Q2818-01
Misc : 5.38g/5mL/MSVOA_W/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-2-5-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.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_W\Data\VW081125\
Data File : VW032069.D
Acq On : 11 Aug 2025 16:12
Operator : SY/MD
Sample : Q2818-01
Misc : 5.38g/5mL/MSVOA_W/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-2-5-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.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_W\Data\VW081125\
Data File : VW032070.D
Acq On : 11 Aug 2025 16:34
Operator : SY/MD
Sample : Q2818-02
Misc : 5.29g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-3-5-2

Quant Time: Aug 12 04:27:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

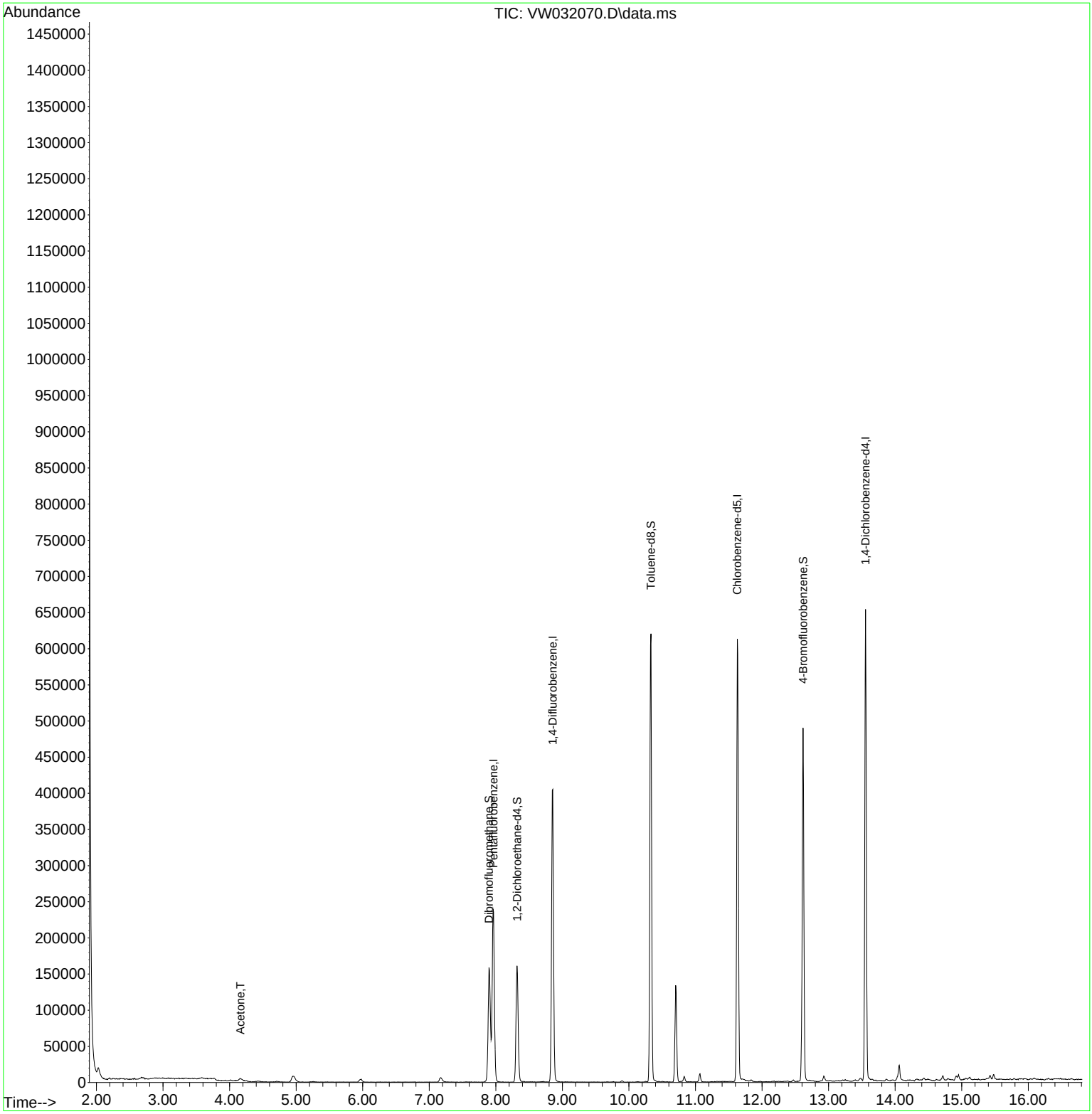
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	163499	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	344516	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	338197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	164031	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	134381	56.829	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 113.660%			
35) Dibromofluoromethane	7.898	113	119002	53.467	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 106.940%			
50) Toluene-d8	10.331	98	411374	49.971	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 99.940%			
62) 4-Bromofluorobenzene	12.617	95	165115	54.427	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 108.860%			
Target Compounds						Qvalue
16) Acetone	4.161	43	5517	10.077	ug/l #	78

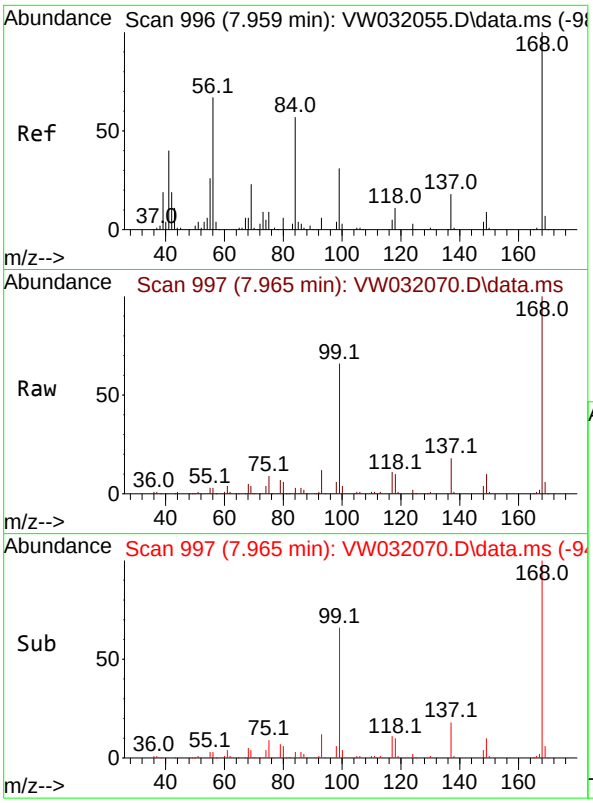
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032070.D
Acq On : 11 Aug 2025 16:34
Operator : SY/MD
Sample : Q2818-02
Misc : 5.29g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-3-5-2

Quant Time: Aug 12 04:27:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration



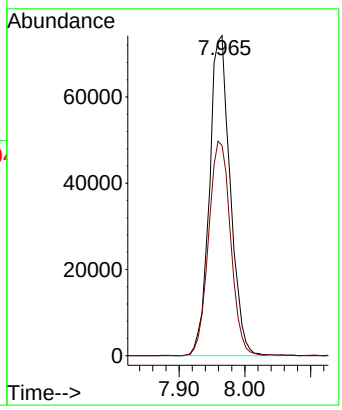


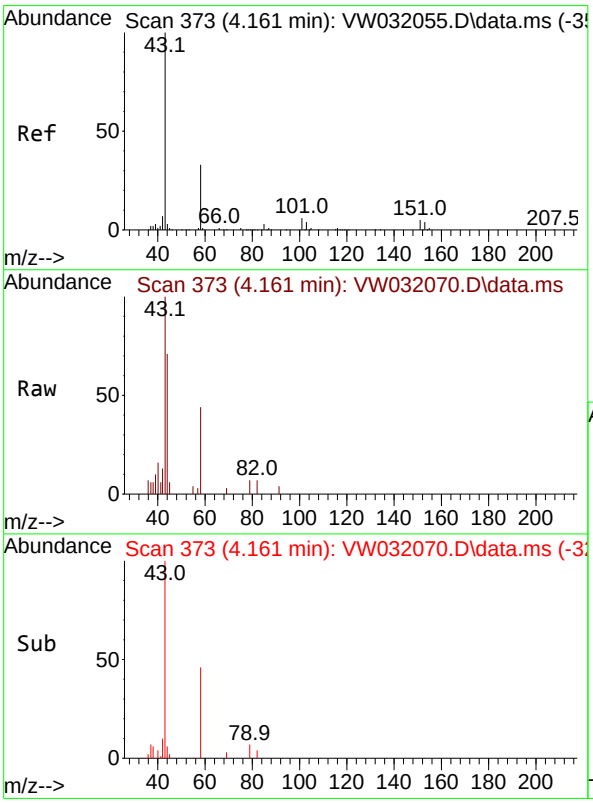
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW032070.D
Acq: 11 Aug 2025 16:34

Instrument :
MSVOA_W
ClientSampleId :
B-3-5-2

Tgt Ion:168 Resp: 163499

Ion	Ratio	Lower	Upper
168	100		
99	65.6	56.0	84.0

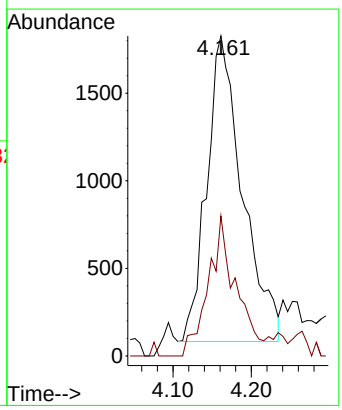


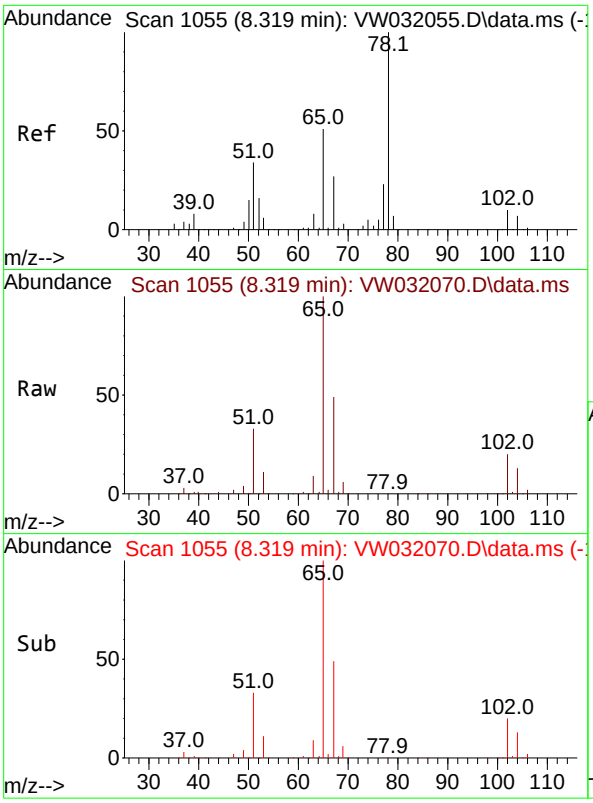


#16
Acetone
Concen: 10.077 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032070.D
Acq: 11 Aug 2025 16:34

Tgt Ion: 43 Resp: 5517

Ion	Ratio	Lower	Upper
43	100		
58	45.8	26.6	39.8#



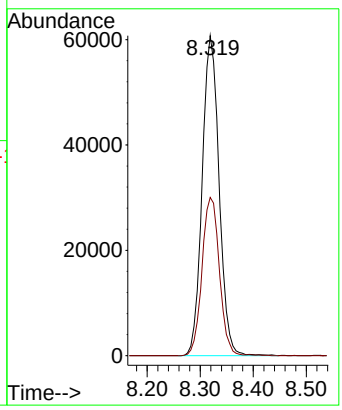


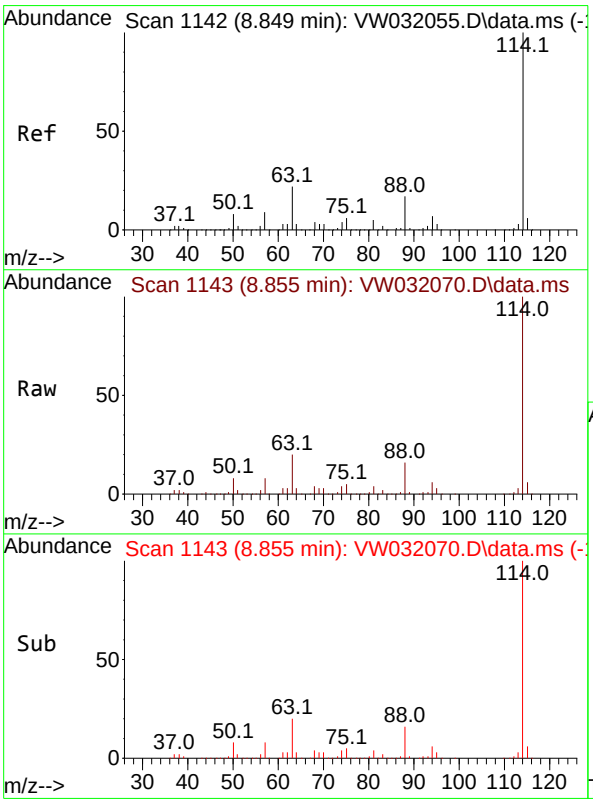
#33
1,2-Dichloroethane-d4
Concen: 56.829 ug/l
RT: 8.319 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032070.D
Acq: 11 Aug 2025 16:34

Instrument :
MSVOA_W
ClientSampleId :
B-3-5-2

Tgt Ion: 65 Resp: 134381

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	102.4

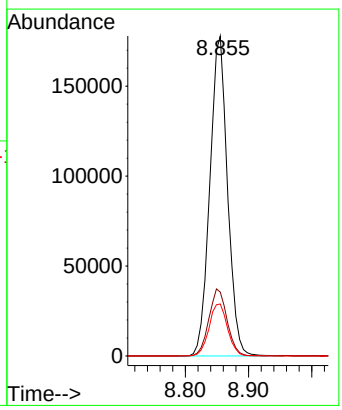


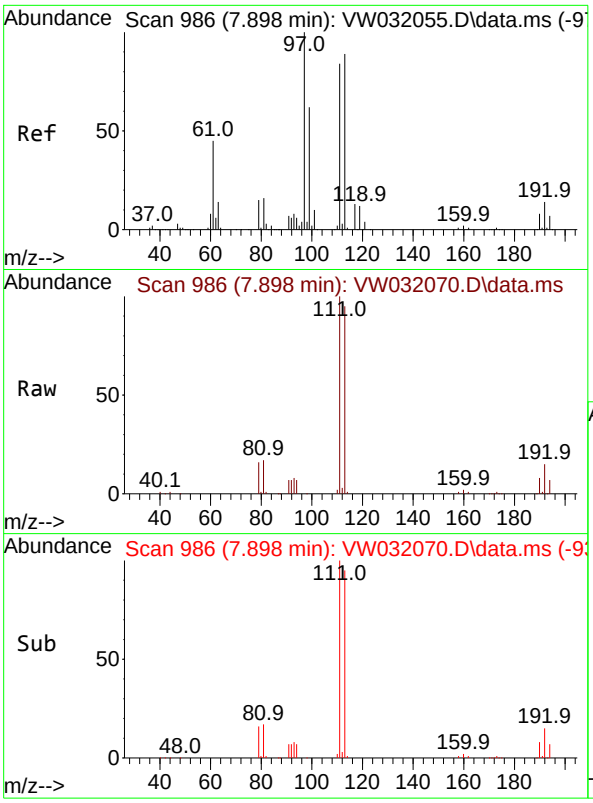


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032070.D
Acq: 11 Aug 2025 16:34

Tgt Ion:114 Resp: 344516

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	43.0
88	16.3	0.0	33.8



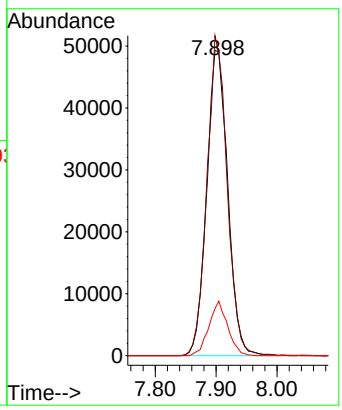


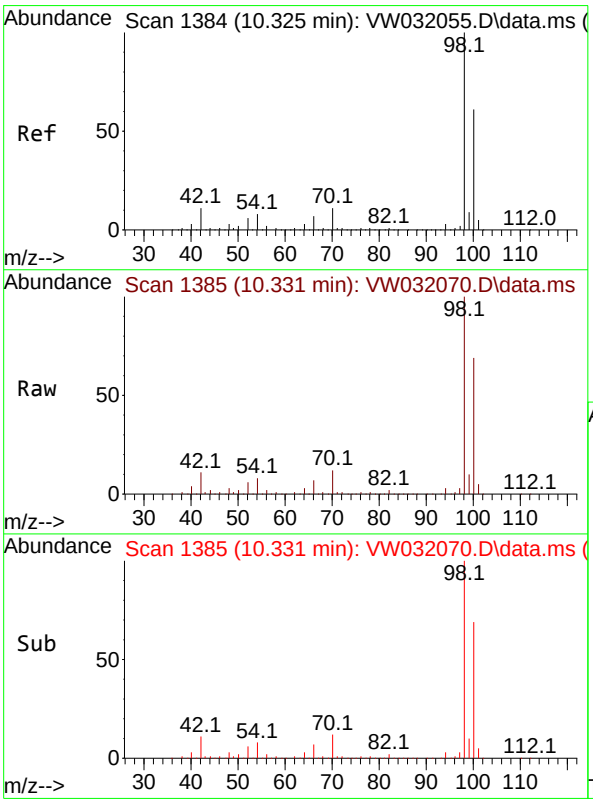
#35
Dibromofluoromethane
Concen: 53.467 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032070.D
Acq: 11 Aug 2025 16:34

Instrument :
MSVOA_W
ClientSampleId :
B-3-5-2

Tgt Ion:113 Resp: 119002

Ion	Ratio	Lower	Upper
113	100		
111	100.4	80.1	120.1
192	15.9	13.1	19.7

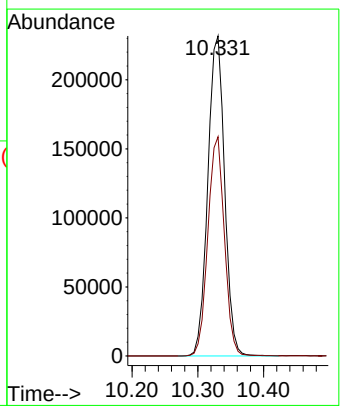


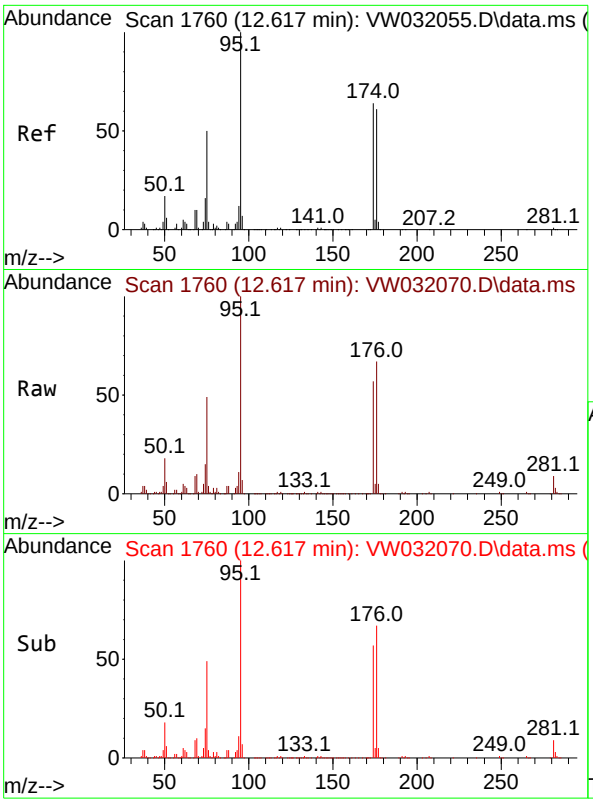


#50
Toluene-d8
Concen: 49.971 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032070.D
Acq: 11 Aug 2025 16:34

Tgt Ion: 98 Resp: 411374

Ion	Ratio	Lower	Upper
98	100		
100	67.5	51.1	76.7



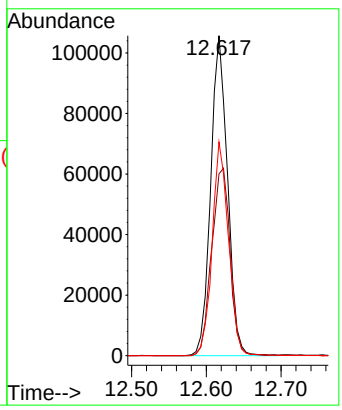


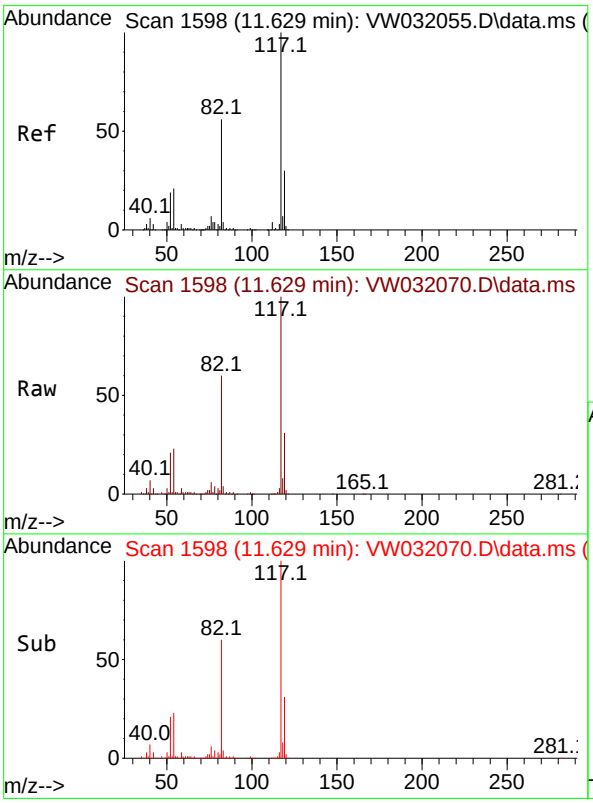
#62
4-Bromofluorobenzene
Concen: 54.427 ug/l
RT: 12.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032070.D
Acq: 11 Aug 2025 16:34

Instrument :
MSVOA_W
ClientSampleId :
B-3-5-2

Tgt Ion: 95 Resp: 165115

Ion	Ratio	Lower	Upper
95	100		
174	64.1	0.0	129.0
176	65.3	0.0	124.6

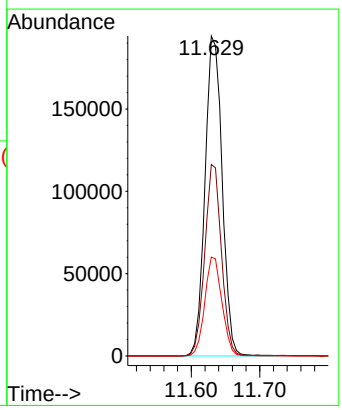


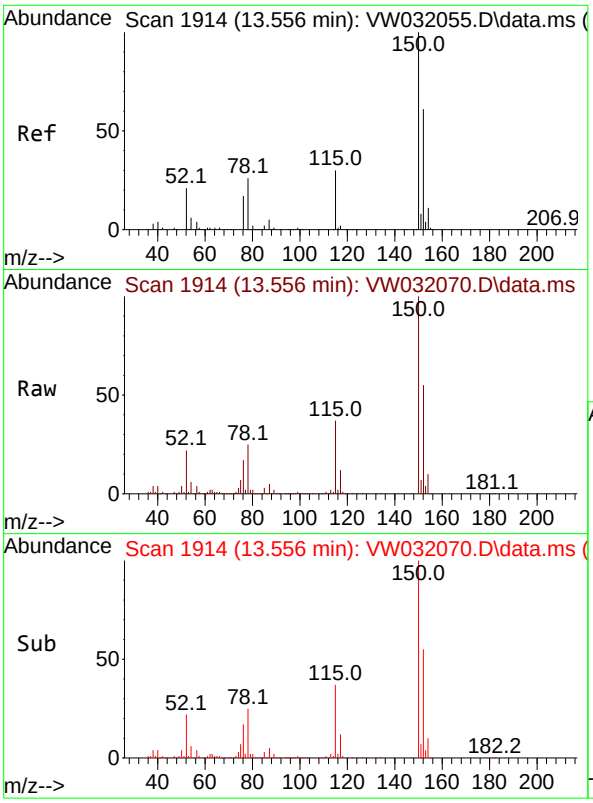


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032070.D
Acq: 11 Aug 2025 16:34

Tgt Ion:117 Resp: 338197

Ion	Ratio	Lower	Upper
117	100		
82	59.8	45.0	67.4
119	30.9	24.2	36.4



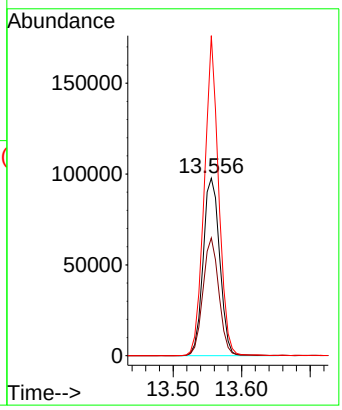


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032070.D
Acq: 11 Aug 2025 16:34

Instrument :
MSVOA_W
ClientSampleId :
B-3-5-2

Tgt Ion:152 Resp: 164031

Ion	Ratio	Lower	Upper
152	100		
115	63.8	32.6	97.8
150	156.4	0.0	359.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032070.D
Acq On : 11 Aug 2025 16:34
Operator : SY/MD
Sample : Q2818-02
Misc : 5.29g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-3-5-2

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Title : SW846 8260

Signal : TIC: VW032070.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.027	20	23	37	rVB	15370	41084	3.70%	0.626%
2	4.948	491	502	503	rBV4	8110	14979	1.35%	0.228%
3	7.173	857	867	877	rBV	6294	19447	1.75%	0.296%
4	7.898	972	986	991	rBV	158664	377248	34.01%	5.747%
5	7.959	991	996	1011	rVB	238506	543069	48.97%	8.274%
6	8.319	1046	1055	1065	rBV	160692	360243	32.48%	5.488%
7	8.855	1132	1143	1155	rBV	404698	825170	74.40%	12.571%
8	10.331	1376	1385	1393	rBV	619989	1109091	100.00%	16.897%
9	10.703	1436	1446	1455	rBV	133704	238591	21.51%	3.635%
10	10.831	1460	1467	1473	rVB	7415	13293	1.20%	0.203%
11	11.068	1498	1506	1511	rBV2	11098	18785	1.69%	0.286%
12	11.629	1588	1598	1608	rBV	612068	1059960	95.57%	16.148%
13	12.617	1751	1760	1773	rBV3	488224	843870	76.09%	12.856%
14	13.556	1907	1914	1927	rBV	651878	1041069	93.87%	15.861%
15	14.062	1986	1997	2008	rBV2	21041	45122	4.07%	0.687%
16	14.714	2097	2104	2110	rBV7	6521	12811	1.16%	0.195%

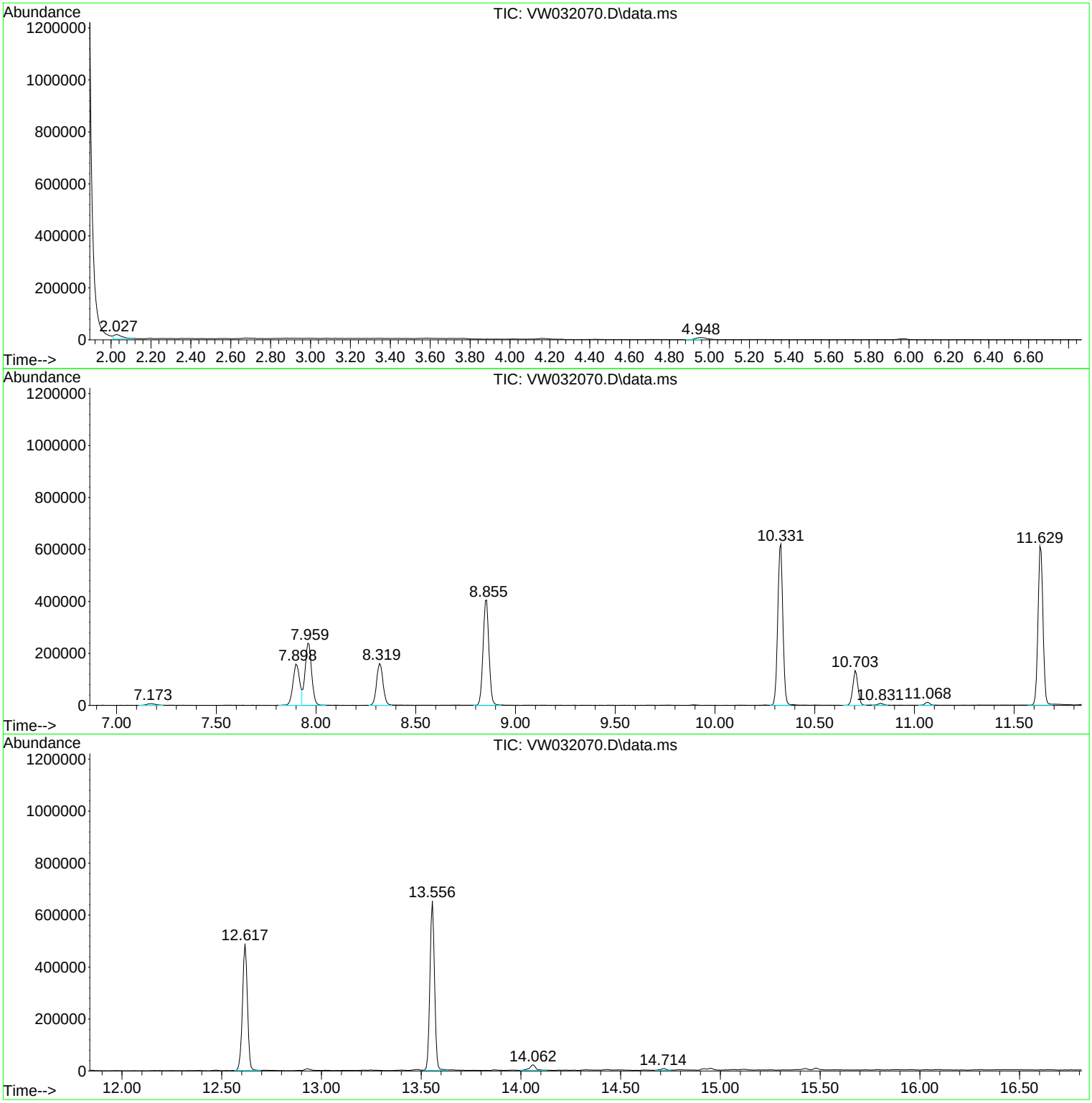
Sum of corrected areas: 6563832

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032070.D
Acq On : 11 Aug 2025 16:34
Operator : SY/MD
Sample : Q2818-02
Misc : 5.29g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-3-5-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032070.D
Acq On : 11 Aug 2025 16:34
Operator : SY/MD
Sample : Q2818-02
Misc : 5.29g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-3-5-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.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_W\Data\VW081125\
Data File : VW032070.D
Acq On : 11 Aug 2025 16:34
Operator : SY/MD
Sample : Q2818-02
Misc : 5.29g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-3-5-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.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_W\Data\VW081125\
Data File : VW032060.D
Acq On : 11 Aug 2025 12:18
Operator : SY/MD
Sample : VW0811SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBL01

Quant Time: Aug 12 04:22:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	176404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	391811	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	359327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	169733	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	134172	52.590	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 105.180%			
35) Dibromofluoromethane	7.898	113	121027	47.813	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 95.620%			
50) Toluene-d8	10.325	98	459644	49.095	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 98.180%			
62) 4-Bromofluorobenzene	12.617	95	163583	47.413	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 94.820%			

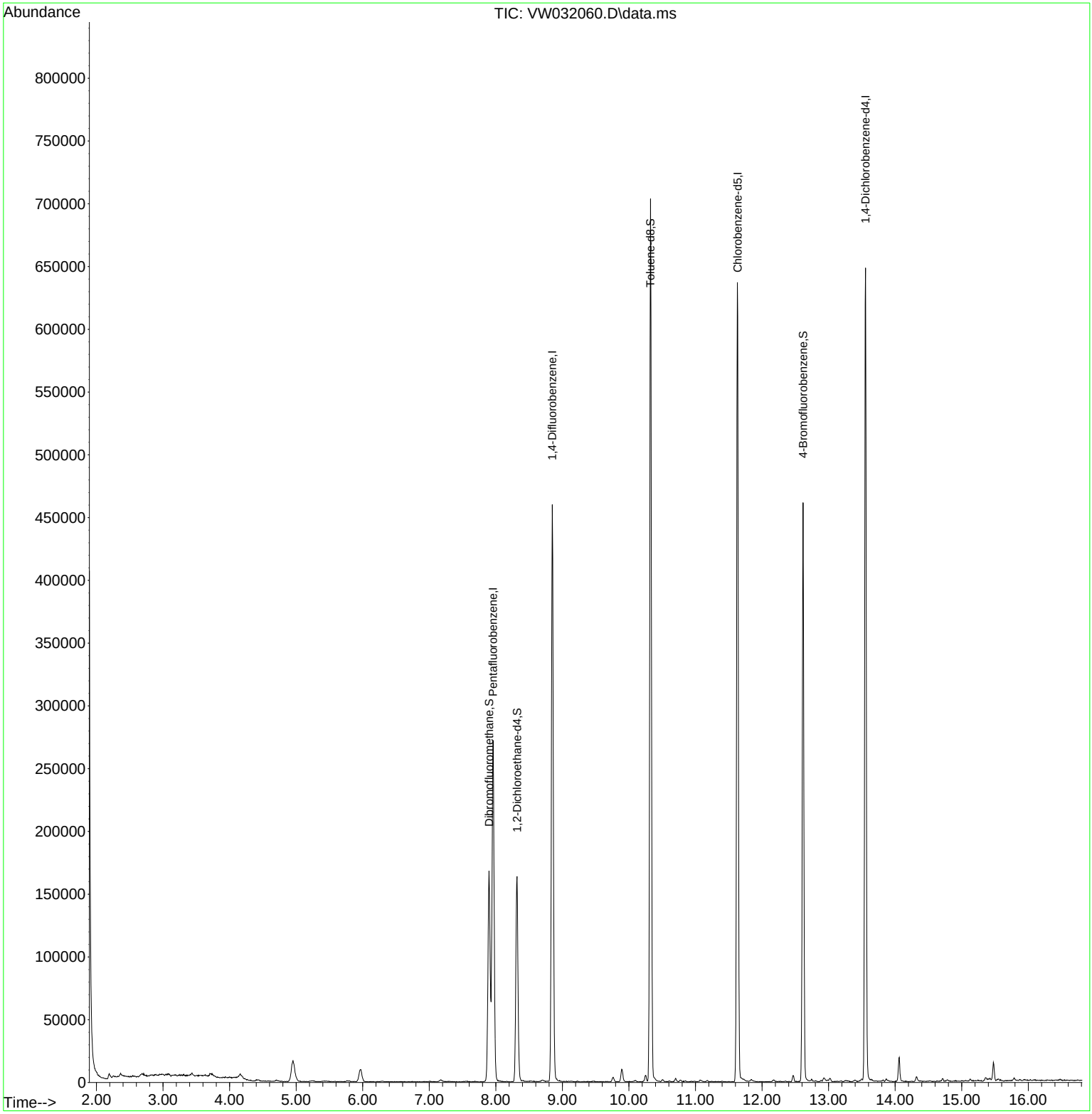
Target Compounds Qvalue

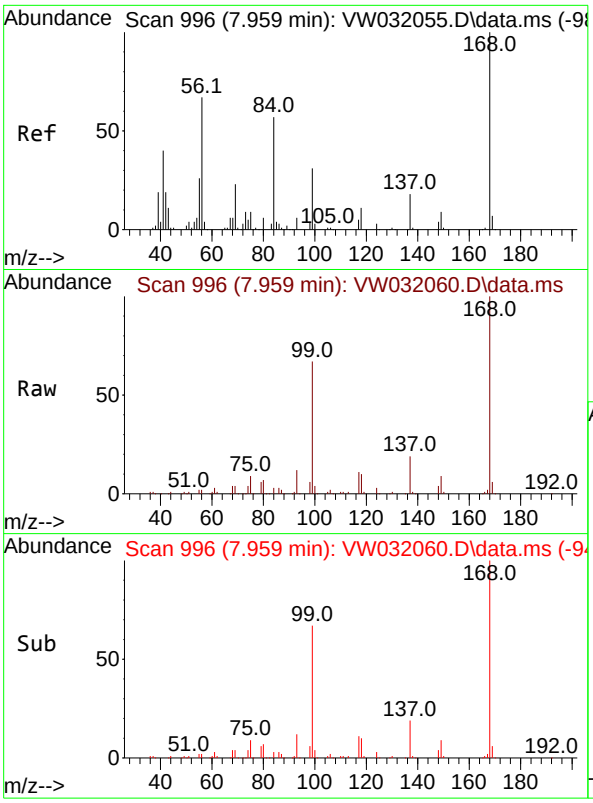
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032060.D
Acq On : 11 Aug 2025 12:18
Operator : SY/MD
Sample : VW0811SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBL01

Quant Time: Aug 12 04:22:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration



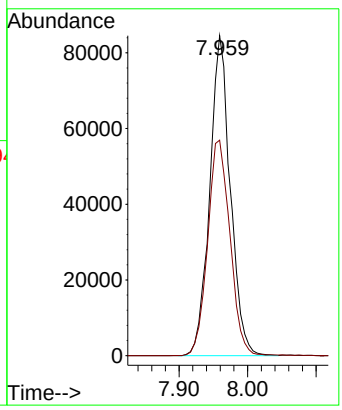


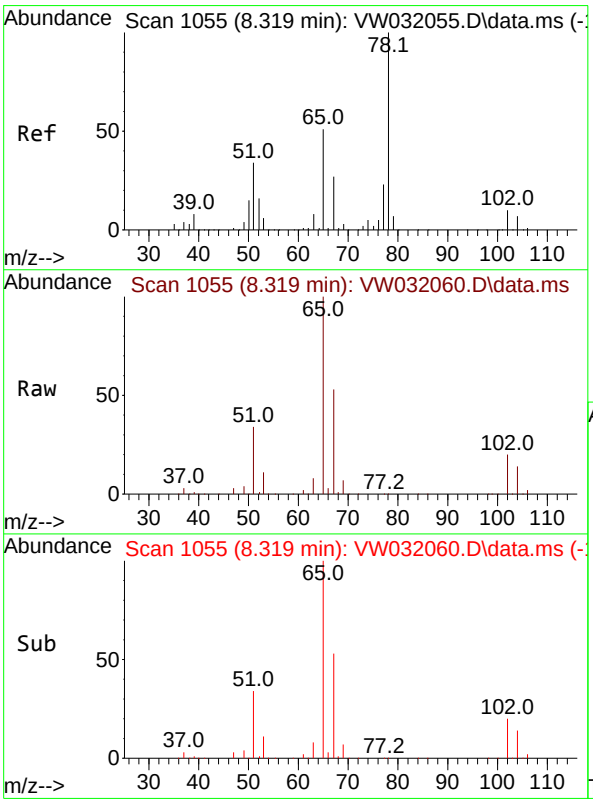
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW032060.D
Acq: 11 Aug 2025 12:18

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBL01

Tgt Ion:168 Resp: 176404

Ion	Ratio	Lower	Upper
168	100		
99	67.3	56.0	84.0

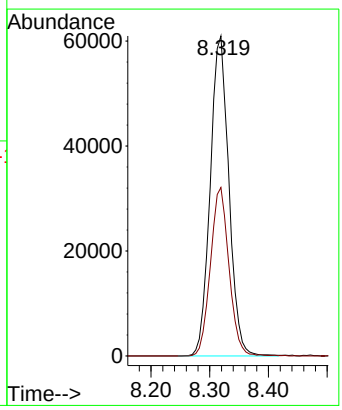


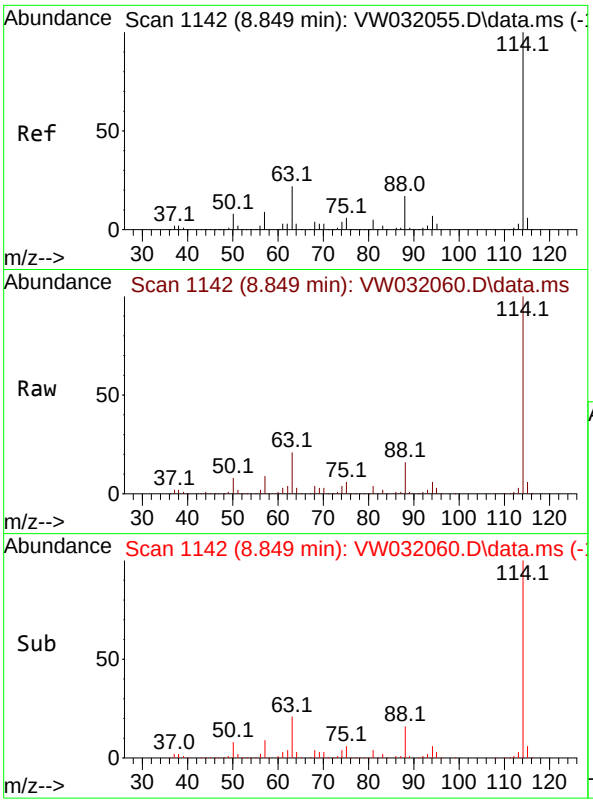


#33
1,2-Dichloroethane-d4
Concen: 52.590 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032060.D
Acq: 11 Aug 2025 12:18

Tgt Ion: 65 Resp: 134172

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	102.4



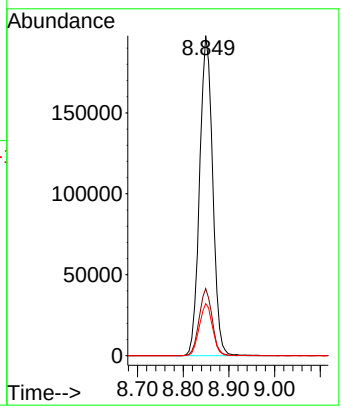


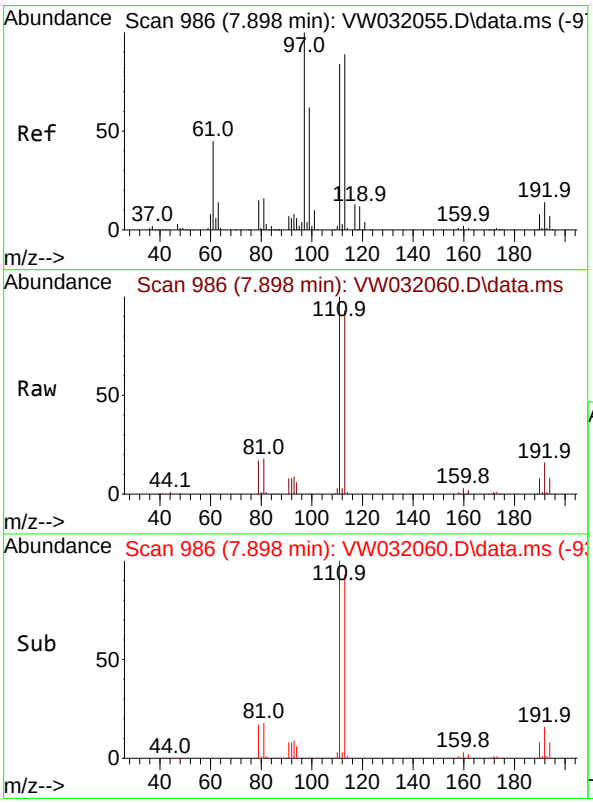
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032060.D
Acq: 11 Aug 2025 12:18

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBL01

Tgt Ion:114 Resp: 391811

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	43.0
88	16.3	0.0	33.8

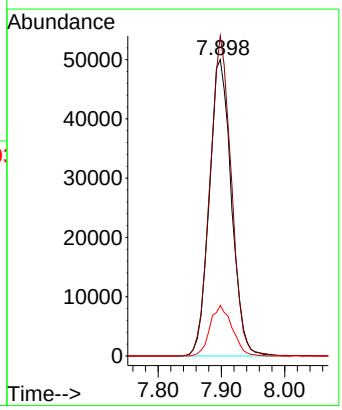


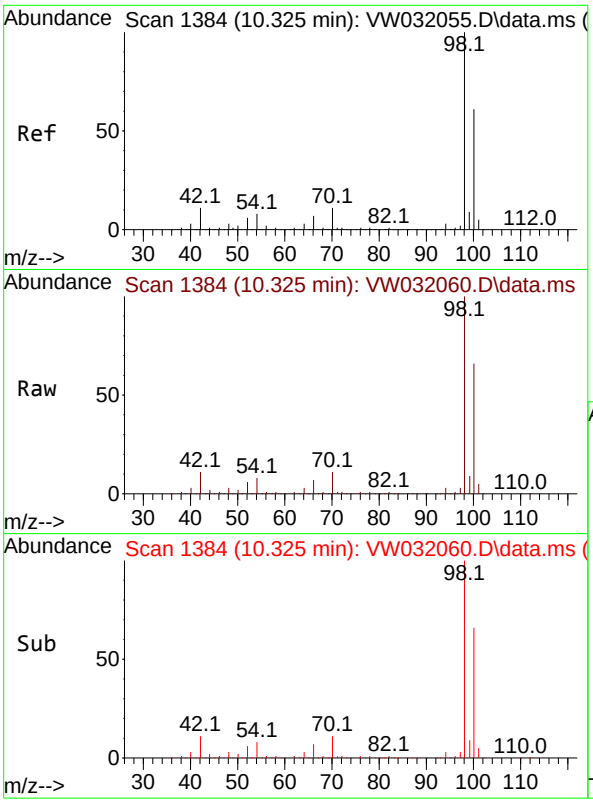


#35
Dibromofluoromethane
Concen: 47.813 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.000 min
Lab File: VW032060.D
Acq: 11 Aug 2025 12:18

Tgt Ion:113 Resp: 121027

Ion	Ratio	Lower	Upper
113	100		
111	104.5	80.1	120.1
192	17.1	13.1	19.7



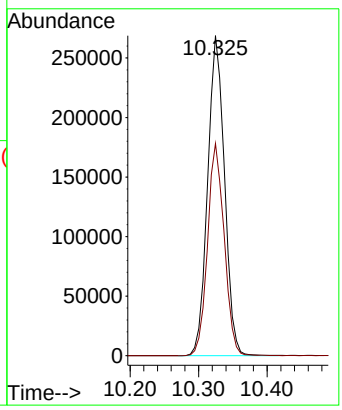


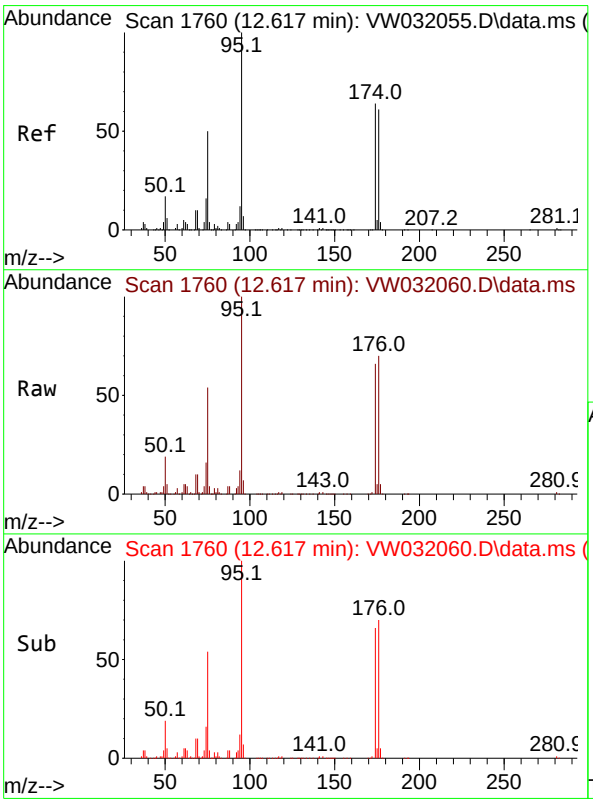
#50
Toluene-d8
Concen: 49.095 ug/l
RT: 10.325 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032060.D
Acq: 11 Aug 2025 12:18

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBL01

Tgt Ion: 98 Resp: 459644

Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.1	76.7

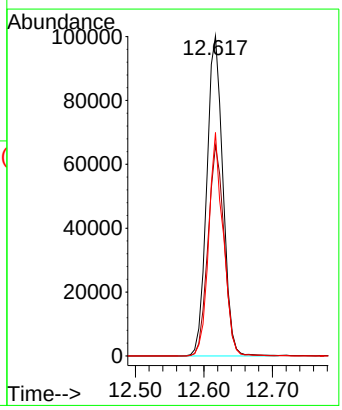


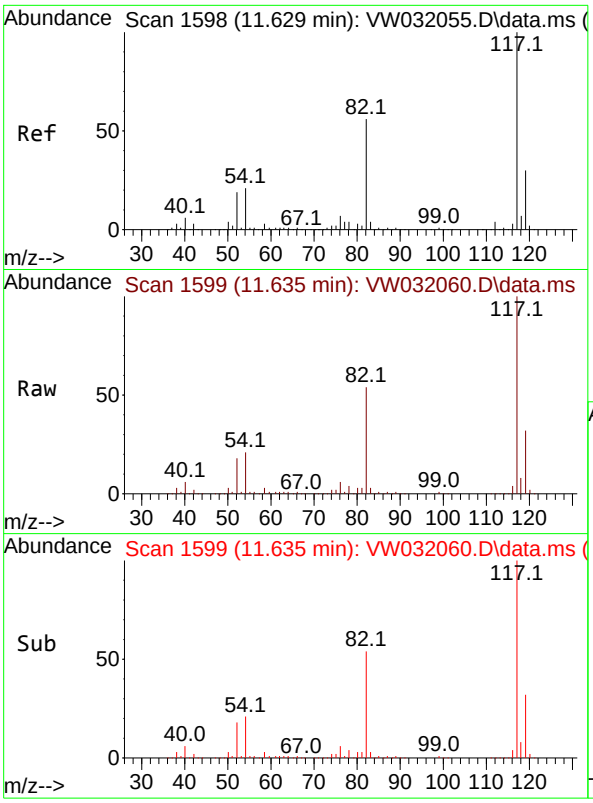


#62
4-Bromofluorobenzene
Concen: 47.413 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032060.D
Acq: 11 Aug 2025 12:18

Tgt Ion: 95 Resp: 163583

Ion	Ratio	Lower	Upper
95	100		
174	66.1	0.0	129.0
176	62.9	0.0	124.6



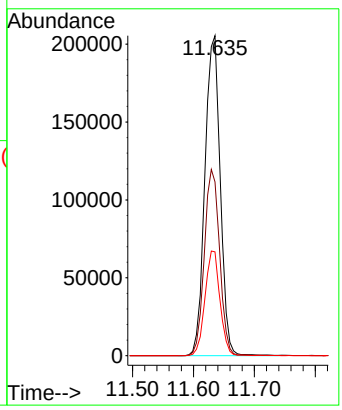


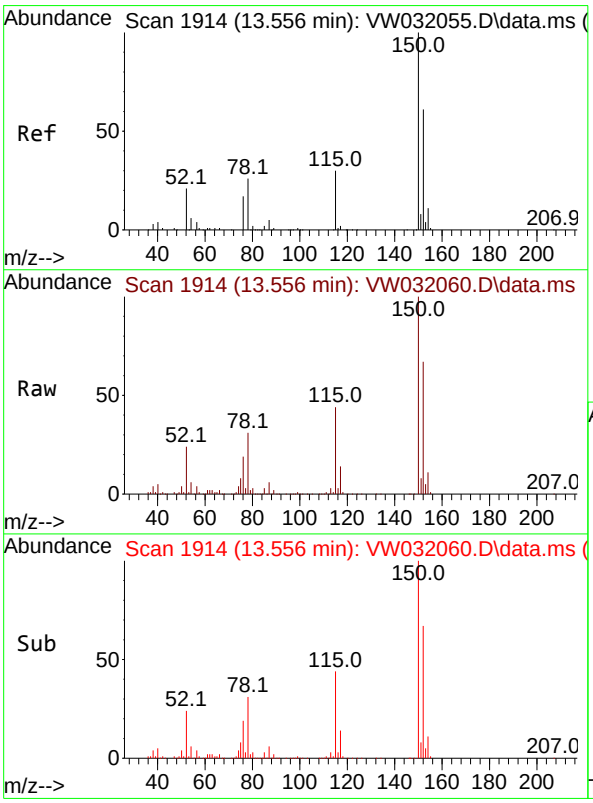
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032060.D
Acq: 11 Aug 2025 12:18

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBL01

Tgt Ion:117 Resp: 359327

Ion	Ratio	Lower	Upper
117	100		
82	54.3	45.0	67.4
119	32.5	24.2	36.4

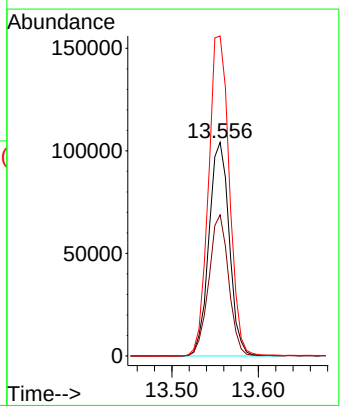




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032060.D
Acq: 11 Aug 2025 12:18

Tgt Ion:152 Resp: 169733

Ion	Ratio	Lower	Upper
152	100		
115	64.8	32.6	97.8
150	154.1	0.0	359.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032060.D
Acq On : 11 Aug 2025 12:18
Operator : SY/MD
Sample : VW0811SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBL01

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_W\Method\82W081125S.M
Title : SW846 8260

Signal : TIC: VW032060.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.954	490	503	518	rBV2	16589	63163	5.21%	0.961%
2	5.972	659	670	681	rVB2	9721	31421	2.59%	0.478%
3	7.898	976	986	991	rBV	167472	401435	33.08%	6.106%
4	7.959	991	996	1010	rVB	271374	586043	48.30%	8.914%
5	8.319	1045	1055	1066	rBV	163414	363364	29.95%	5.527%
6	8.849	1133	1142	1159	rBV	459336	918657	75.71%	13.974%
7	9.892	1306	1313	1323	rBV2	10139	21637	1.78%	0.329%
8	10.325	1376	1384	1404	rVB	703087	1213427	100.00%	18.457%
9	11.629	1589	1598	1606	rBV	636844	1115847	91.96%	16.973%
10	12.617	1752	1760	1772	rBV	460896	742846	61.22%	11.299%
11	13.556	1907	1914	1925	rBV	646925	1060143	87.37%	16.126%
12	14.062	1990	1997	2003	rBV2	19087	31499	2.60%	0.479%
13	15.476	2223	2229	2235	rVB	14627	24703	2.04%	0.376%

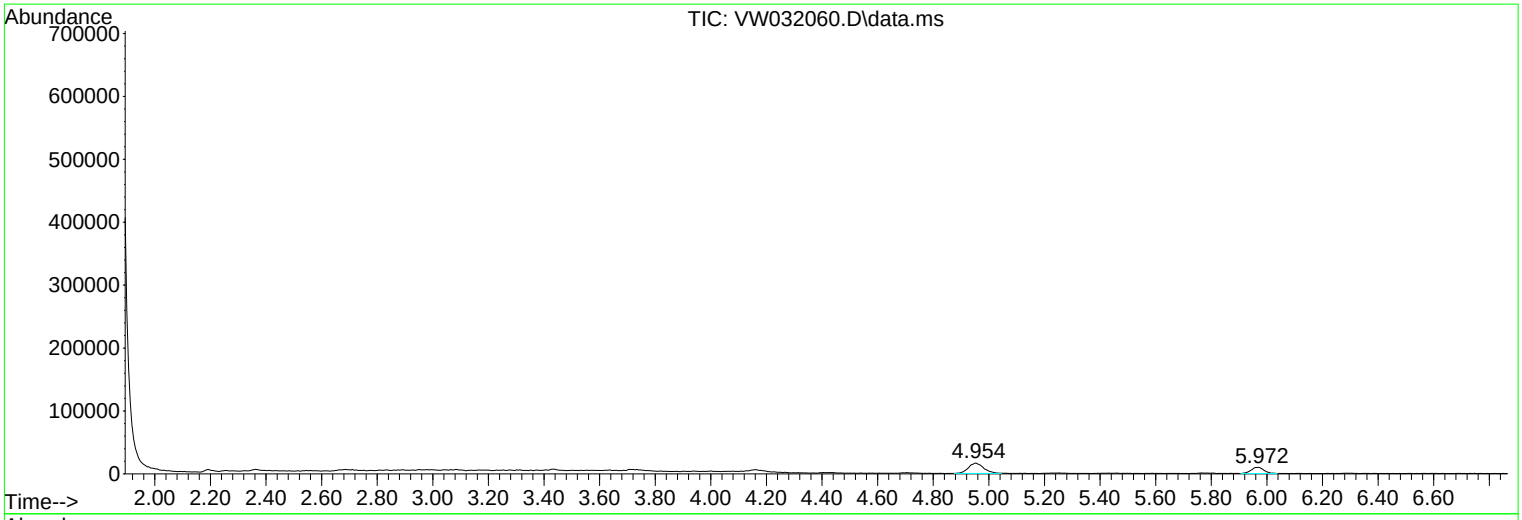
Sum of corrected areas: 6574185

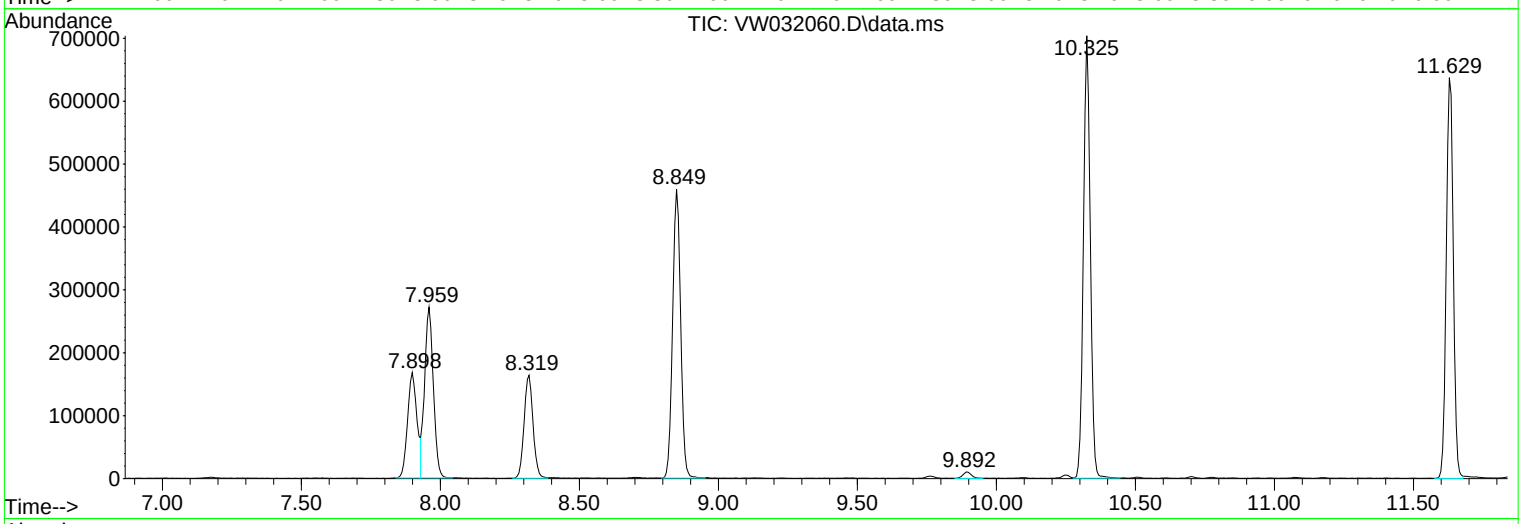
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032060.D
Acq On : 11 Aug 2025 12:18
Operator : SY/MD
Sample : VW0811SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

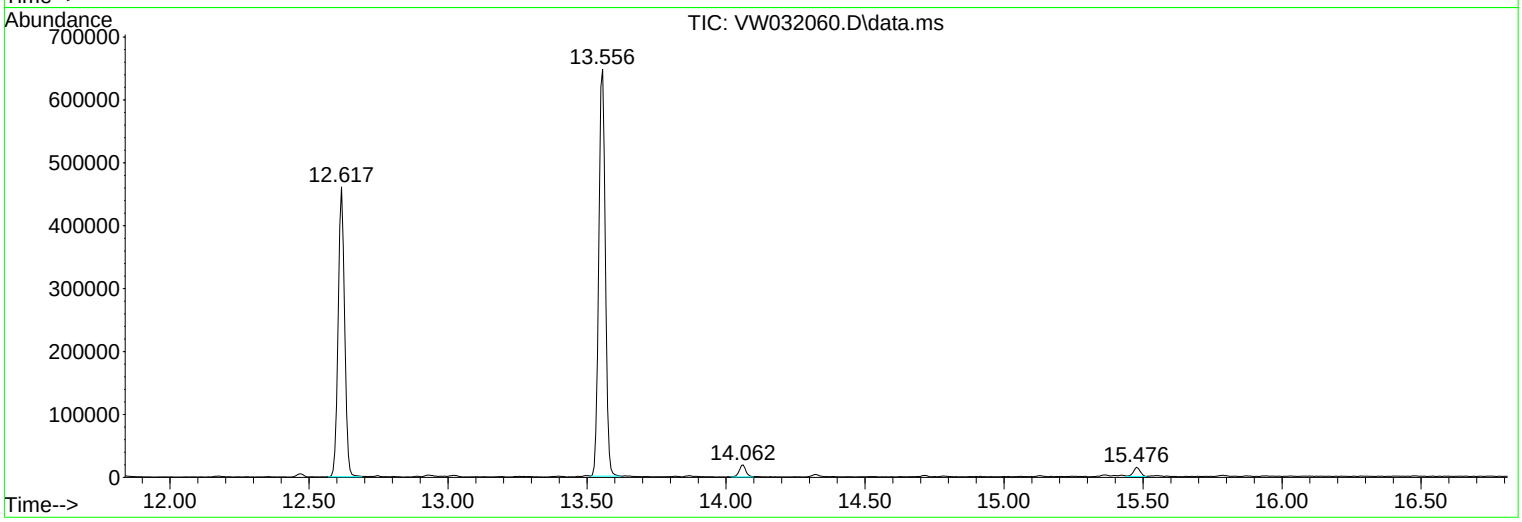
Instrument :
MSVOA_W
ClientSampleId :
VW0811SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032060.D
Acq On : 11 Aug 2025 12:18
Operator : SY/MD
Sample : VW0811SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.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_W\Data\VW081125\
Data File : VW032060.D
Acq On : 11 Aug 2025 12:18
Operator : SY/MD
Sample : VW0811SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.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_W\Data\VW081125\
Data File : VW032061.D
Acq On : 11 Aug 2025 12:48
Operator : SY/MD
Sample : VW0811SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 12 04:23:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	224181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	427747	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	394820	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	191594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	164557	50.753	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 101.500%			
35) Dibromofluoromethane	7.898	113	135084	48.883	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 97.760%			
50) Toluene-d8	10.325	98	508647	49.765	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 99.520%			
62) 4-Bromofluorobenzene	12.617	95	197267	52.373	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 104.740%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	34210	21.336	ug/l	99
3) Chloromethane	2.253	50	44827	20.755	ug/l	100
4) Vinyl Chloride	2.405	62	55119	21.098	ug/l	96
5) Bromomethane	2.814	94	42172	21.516	ug/l	100
6) Chloroethane	2.972	64	36005	20.827	ug/l	93
7) Trichlorofluoromethane	3.302	101	36824	17.595	ug/l	97
8) Diethyl Ether	3.716	74	36836	21.483	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.094	101	49645	20.107	ug/l	99
10) Methyl Iodide	4.301	142	76912	21.970	ug/l	99
11) Tert butyl alcohol	5.222	59	21680	103.263	ug/l	99
12) 1,1-Dichloroethene	4.076	96	55559	20.435	ug/l	98
13) Acrolein	3.923	56	37149	111.050	ug/l	100
14) Allyl chloride	4.704	41	84834	21.439	ug/l	100
15) Acrylonitrile	5.399	53	86103	105.428	ug/l	99
16) Acetone	4.155	43	86915	115.783	ug/l	99
17) Carbon Disulfide	4.417	76	147760	20.248	ug/l	97
18) Methyl Acetate	4.704	43	51464	21.665	ug/l	99
19) Methyl tert-butyl Ether	5.454	73	104973	21.914	ug/l	99
20) Methylene Chloride	4.948	84	74303	21.408	ug/l	96
21) trans-1,2-Dichloroethene	5.454	96	59717	20.698	ug/l	96
22) Diisopropyl ether	6.338	45	180946	21.692	ug/l	98
23) Vinyl Acetate	6.283	43	585943	106.987	ug/l	99
24) 1,1-Dichloroethane	6.240	63	111769	20.971	ug/l	97
25) 2-Butanone	7.191	43	119059	111.594	ug/l	99
26) 2,2-Dichloropropane	7.185	77	55490	20.753	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	71568	21.221	ug/l	97
28) Bromochloromethane	7.526	49	49722	20.501	ug/l	100
29) Tetrahydrofuran	7.551	42	75818	107.756	ug/l	100
30) Chloroform	7.691	83	119431	21.137	ug/l	99
31) Cyclohexane	7.965	56	92372	19.992	ug/l	96
32) 1,1,1-Trichloroethane	7.880	97	84982	20.707	ug/l	97
36) 1,1-Dichloropropene	8.093	75	78541	20.161	ug/l	99
37) Ethyl Acetate	7.270	43	48130	20.977	ug/l	99
38) Carbon Tetrachloride	8.081	117	75079	19.971	ug/l	92
39) Methylcyclohexane	9.343	83	94968	20.000	ug/l	93
40) Benzene	8.337	78	254209	20.993	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032061.D
Acq On : 11 Aug 2025 12:48
Operator : SY/MD
Sample : VW0811SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 12 04:23:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	28577	21.963	ug/l		98
42) 1,2-Dichloroethane	8.410	62	81049	20.917	ug/l		98
43) Isopropyl Acetate	8.435	43	86573	20.509	ug/l		99
44) Trichloroethene	9.099	130	58362	20.238	ug/l		99
45) 1,2-Dichloropropane	9.374	63	61430	20.998	ug/l		100
46) Dibromomethane	9.465	93	38496	20.389	ug/l		97
47) Bromodichloromethane	9.648	83	88565	20.356	ug/l		96
48) Methyl methacrylate	9.441	41	43518	21.354	ug/l		98
49) 1,4-Dioxane	9.459	88	9712	397.829	ug/l		97
51) 4-Methyl-2-Pentanone	10.209	43	253567	106.423	ug/l		99
52) Toluene	10.386	92	160474	21.039	ug/l		98
53) t-1,3-Dichloropropene	10.605	75	83098	20.387	ug/l		99
54) cis-1,3-Dichloropropene	10.075	75	96489	20.866	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	52115	20.771	ug/l		98
56) Ethyl methacrylate	10.648	69	71491	21.293	ug/l		98
57) 1,3-Dichloropropane	10.934	76	91289	20.874	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	195002	105.002	ug/l		99
59) 2-Hexanone	10.971	43	178926	108.432	ug/l		99
60) Dibromochloromethane	11.129	129	58977	20.578	ug/l		97
61) 1,2-Dibromoethane	11.239	107	51647	21.183	ug/l		100
64) Tetrachloroethene	10.861	164	48059	21.074	ug/l		97
65) Chlorobenzene	11.660	112	173499	20.189	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.727	131	53383	19.910	ug/l		99
67) Ethyl Benzene	11.727	91	293010	20.129	ug/l		96
68) m/p-Xylenes	11.837	106	229740	40.901	ug/l		98
69) o-Xylene	12.166	106	110031	21.194	ug/l		95
70) Styrene	12.178	104	192666	20.893	ug/l		98
71) Bromoform	12.349	173	30108	19.630	ug/l	#	97
73) Isopropylbenzene	12.465	105	266790	19.925	ug/l		99
74) N-amyl acetate	12.269	43	78852	20.526	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	63958	20.118	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	48380m	18.605	ug/l		
77) Bromobenzene	12.745	156	65314	20.423	ug/l		98
78) n-propylbenzene	12.800	91	339857	20.616	ug/l		98
79) 2-Chlorotoluene	12.885	91	209277	20.570	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	238429	20.975	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.513	75	18566	18.484	ug/l		92
82) 4-Chlorotoluene	12.983	91	222101	20.547	ug/l		100
83) tert-Butylbenzene	13.202	119	196393	20.817	ug/l		97
84) 1,2,4-Trimethylbenzene	13.245	105	241596	20.878	ug/l		99
85) sec-Butylbenzene	13.379	105	282666	19.818	ug/l		99
86) p-Isopropyltoluene	13.495	119	238749	20.078	ug/l		98
87) 1,3-Dichlorobenzene	13.495	146	129585	20.364	ug/l		96
88) 1,4-Dichlorobenzene	13.574	146	132968	20.677	ug/l		100
89) n-Butylbenzene	13.818	91	235392	20.377	ug/l		98
90) Hexachloroethane	14.092	117	41522	19.094	ug/l		98
91) 1,2-Dichlorobenzene	13.867	146	116780	20.259	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	11343	20.070	ug/l		98
93) 1,2,4-Trichlorobenzene	15.123	180	67394	19.544	ug/l		99
94) Hexachlorobutadiene	15.226	225	31990	20.753	ug/l		93
95) Naphthalene	15.360	128	173199	20.498	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	67287	21.446	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032061.D
Acq On : 11 Aug 2025 12:48
Operator : SY/MD
Sample : VW0811SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 12 04:23:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

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

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

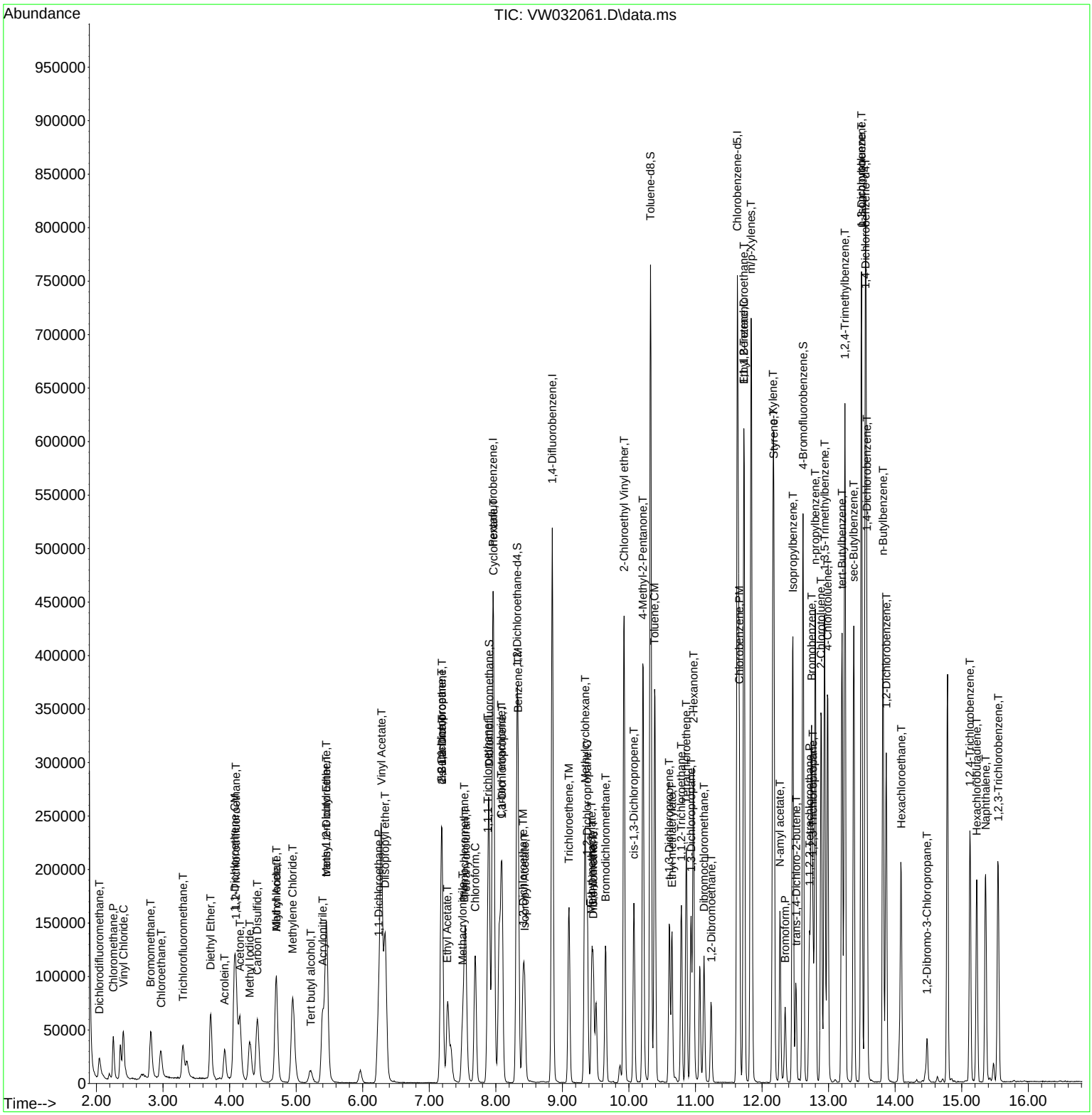
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032061.D
Acq On : 11 Aug 2025 12:48
Operator : SY/MD
Sample : VW0811SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 12 04:23:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032062.D
Acq On : 11 Aug 2025 13:10
Operator : SY/MD
Sample : VW0811SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 12 04:24:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	226773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	441696	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	400240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	195548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	163196	49.758	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	99.520%		
35) Dibromofluoromethane	7.904	113	134207	47.032	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	94.060%		
50) Toluene-d8	10.331	98	509734	48.296	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	96.600%		
62) 4-Bromofluorobenzene	12.617	95	193625	49.782	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	99.560%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	33141	20.433	ug/l	95
3) Chloromethane	2.253	50	46903	21.468	ug/l	96
4) Vinyl Chloride	2.405	62	54316	20.553	ug/l	95
5) Bromomethane	2.820	94	41922	21.144	ug/l	99
6) Chloroethane	2.972	64	36568	20.911	ug/l	100
7) Trichlorofluoromethane	3.308	101	43905	20.739	ug/l	93
8) Diethyl Ether	3.722	74	36629	21.118	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	49478	19.810	ug/l	99
10) Methyl Iodide	4.307	142	73761	20.829	ug/l	98
11) Tert butyl alcohol	5.222	59	22637	106.589	ug/l	98
12) 1,1-Dichloroethene	4.076	96	55617	20.223	ug/l	92
13) Acrolein	3.929	56	36383	107.518	ug/l	99
14) Allyl chloride	4.698	41	83613	20.889	ug/l	99
15) Acrylonitrile	5.405	53	88342	106.933	ug/l	99
16) Acetone	4.155	43	82994	109.296	ug/l	99
17) Carbon Disulfide	4.423	76	147711	20.010	ug/l	98
18) Methyl Acetate	4.710	43	51758	21.540	ug/l	100
19) Methyl tert-butyl Ether	5.460	73	105734	21.820	ug/l	96
20) Methylene Chloride	4.947	84	75897	21.617	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	59755	20.474	ug/l	93
22) Diisopropyl ether	6.337	45	181364	21.493	ug/l	92
23) Vinyl Acetate	6.283	43	596458	107.662	ug/l	99
24) 1,1-Dichloroethane	6.246	63	110715	20.536	ug/l	98
25) 2-Butanone	7.191	43	119355	110.592	ug/l	100
26) 2,2-Dichloropropane	7.191	77	57308	21.188	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	71058	20.829	ug/l	99
28) Bromochloromethane	7.532	49	49164	20.039	ug/l	99
29) Tetrahydrofuran	7.557	42	77560	108.972	ug/l	100
30) Chloroform	7.691	83	119914	20.980	ug/l	97
31) Cyclohexane	7.971	56	94081	20.129	ug/l	95
32) 1,1,1-Trichloroethane	7.886	97	84762	20.417	ug/l	98
36) 1,1-Dichloropropene	8.099	75	79280	19.708	ug/l	99
37) Ethyl Acetate	7.276	43	48057	20.284	ug/l	98
38) Carbon Tetrachloride	8.087	117	76962	19.825	ug/l	88
39) Methylcyclohexane	9.343	83	98634	20.117	ug/l	95
40) Benzene	8.337	78	252942	20.229	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032062.D
Acq On : 11 Aug 2025 13:10
Operator : SY/MD
Sample : VW0811SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 12 04:24:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	27124	20.188	ug/l		93
42) 1,2-Dichloroethane	8.416	62	83160	20.784	ug/l		99
43) Isopropyl Acetate	8.435	43	88890	20.393	ug/l		100
44) Trichloroethene	9.105	130	59840	20.095	ug/l		97
45) 1,2-Dichloropropane	9.373	63	60825	20.135	ug/l		95
46) Dibromomethane	9.465	93	39289	20.151	ug/l		98
47) Bromodichloromethane	9.654	83	89761	19.980	ug/l		96
48) Methyl methacrylate	9.441	41	43222	20.539	ug/l		99
49) 1,4-Dioxane	9.465	88	10586	419.936	ug/l		87
51) 4-Methyl-2-Pentanone	10.215	43	257970	104.852	ug/l		100
52) Toluene	10.392	92	161185	20.465	ug/l		100
53) t-1,3-Dichloropropene	10.611	75	84143	19.991	ug/l		99
54) cis-1,3-Dichloropropene	10.081	75	97621	20.444	ug/l		99
55) 1,1,2-Trichloroethane	10.788	97	53687	20.722	ug/l		97
56) Ethyl methacrylate	10.648	69	72299	20.854	ug/l		97
57) 1,3-Dichloropropane	10.934	76	90595	20.061	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	192035	100.139	ug/l		99
59) 2-Hexanone	10.971	43	180946	106.193	ug/l		100
60) Dibromochloromethane	11.129	129	59430	20.081	ug/l		100
61) 1,2-Dibromoethane	11.233	107	52100	20.693	ug/l		99
64) Tetrachloroethene	10.867	164	47470	20.534	ug/l		91
65) Chlorobenzene	11.660	112	176392	20.247	ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.733	131	54330	19.988	ug/l		96
67) Ethyl Benzene	11.727	91	302504	20.500	ug/l		97
68) m/p-Xylenes	11.836	106	231893	40.725	ug/l		96
69) o-Xylene	12.166	106	107543	20.434	ug/l		99
70) Styrene	12.178	104	194078	20.761	ug/l		100
71) Bromoform	12.349	173	31350	20.163	ug/l	#	99
73) Isopropylbenzene	12.464	105	266409	19.494	ug/l		99
74) N-amyl acetate	12.269	43	79492	20.275	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.714	83	66644	20.539	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	57672m	21.730	ug/l		
77) Bromobenzene	12.745	156	67682	20.736	ug/l		97
78) n-propylbenzene	12.800	91	340328	20.228	ug/l		100
79) 2-Chlorotoluene	12.891	91	209148	20.142	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	234936	20.250	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.513	75	19731	19.247	ug/l		92
82) 4-Chlorotoluene	12.989	91	220054	19.946	ug/l		98
83) tert-Butylbenzene	13.202	119	194628	20.213	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	247687	20.972	ug/l		99
85) sec-Butylbenzene	13.379	105	295479	20.297	ug/l		98
86) p-Isopropyltoluene	13.495	119	247079	20.359	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	134680	20.737	ug/l		97
88) 1,4-Dichlorobenzene	13.574	146	136123	20.740	ug/l		98
89) n-Butylbenzene	13.818	91	235344	19.961	ug/l		99
90) Hexachloroethane	14.086	117	41787	18.827	ug/l		99
91) 1,2-Dichlorobenzene	13.867	146	122421	20.808	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	14.482	75	11304	19.597	ug/l		99
93) 1,2,4-Trichlorobenzene	15.122	180	71854	20.416	ug/l		95
94) Hexachlorobutadiene	15.226	225	30590	19.444	ug/l		99
95) Naphthalene	15.360	128	174401	20.223	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	65985	20.606	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032062.D
Acq On : 11 Aug 2025 13:10
Operator : SY/MD
Sample : VW0811SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 12 04:24:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

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

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

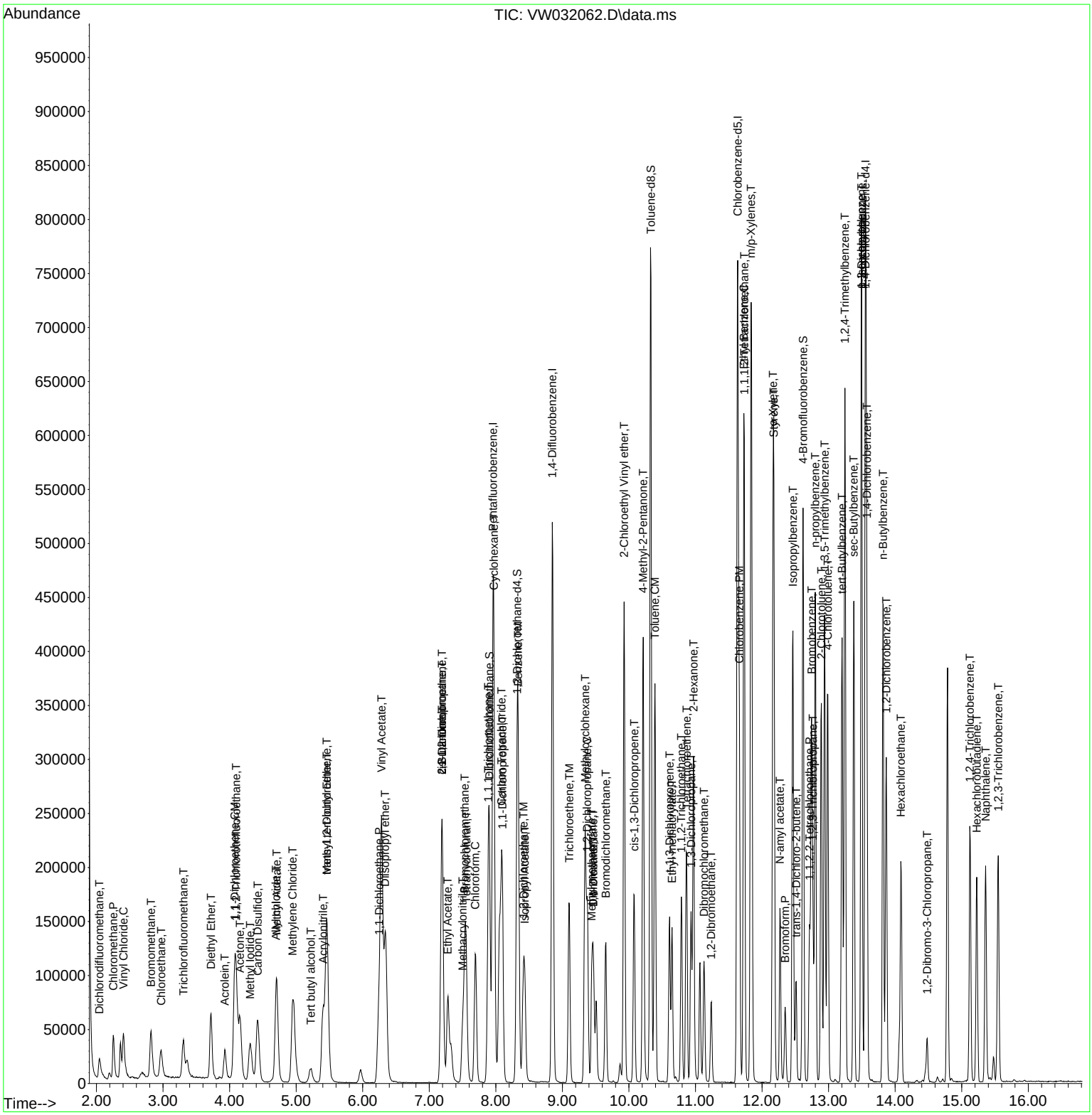
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032062.D
Acq On : 11 Aug 2025 13:10
Operator : SY/MD
Sample : VW0811SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 12 04:24:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



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

Manual Integration Report

Sequence:	vw081125	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VW032052.D	1,2,3-Trichloropropane	MMDadoda	8/12/2025 1:11:01 PM	SAM	8/12/2025 1:13:53 PM	Peak Integrated by Software
VSTDICC010	VW032053.D	1,2,3-Trichloropropane	MMDadoda	8/12/2025 1:10:59 PM	SAM	8/12/2025 1:13:55 PM	Peak Integrated by Software
VSTDICC020	VW032054.D	1,2,3-Trichloropropane	MMDadoda	8/12/2025 1:10:56 PM	SAM	8/12/2025 1:13:56 PM	Peak Integrated by Software
VSTDICCC050	VW032055.D	1,2,3-Trichloropropane	MMDadoda	8/12/2025 1:10:54 PM	SAM	8/12/2025 1:13:57 PM	Peak Integrated by Software
VSTDICC100	VW032056.D	1,2,3-Trichloropropane	MMDadoda	8/12/2025 1:10:53 PM	SAM	8/12/2025 1:13:59 PM	Peak Integrated by Software
VSTDICC150	VW032057.D	1,2,3-Trichloropropane	MMDadoda	8/12/2025 1:10:51 PM	SAM	8/12/2025 1:14:01 PM	Peak Integrated by Software
VSTDICV050	VW032059.D	1,2,3-Trichloropropane	MMDadoda	8/12/2025 1:10:49 PM	SAM	8/12/2025 1:14:02 PM	Peak Integrated by Software
VW0811SBS01	VW032061.D	1,2,3-Trichloropropane	MMDadoda	8/12/2025 1:10:47 PM	SAM	8/12/2025 1:14:04 PM	Peak Integrated by Software
VW0811SBSD01	VW032062.D	1,2,3-Trichloropropane	MMDadoda	8/12/2025 1:10:46 PM	SAM	8/12/2025 1:14:05 PM	Peak Integrated by Software
VSTDCCC050	VW032078.D	1,2,3-Trichloropropane	MMDadoda	8/12/2025 1:10:44 PM	SAM	8/12/2025 1:14:07 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW081125

Review By	Mahesh Dadoda	Review On	8/12/2025 1:11:21 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	8/12/2025 1:14:36 PM				
SubDirectory	VW081125	HP Acquire Method	MSVOA_W		HP Processing Method	82w081125s.m	

STD. NAME	STD REF.#
Tune/Reschk	VP135074
Initial Calibration Stds	VP135075,VP135076,VP135077,VP135078,VP135079,VP135080
CCC	VP135082
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135081
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW032051.D	11 Aug 2025 07:53	SY/MD	Ok
2	VSTDICC005	VW032052.D	11 Aug 2025 08:25	SY/MD	Ok,M
3	VSTDICC010	VW032053.D	11 Aug 2025 09:09	SY/MD	Ok,M
4	VSTDICC020	VW032054.D	11 Aug 2025 09:47	SY/MD	Ok,M
5	VSTDICCC050	VW032055.D	11 Aug 2025 10:09	SY/MD	Ok,M
6	VSTDICC100	VW032056.D	11 Aug 2025 10:46	SY/MD	Ok,M
7	VSTDICC150	VW032057.D	11 Aug 2025 11:08	SY/MD	Ok,M
8	VIBLK	VW032058.D	11 Aug 2025 11:30	SY/MD	Ok
9	VSTDICV050	VW032059.D	11 Aug 2025 11:51	SY/MD	Ok,M
10	VW0811SBL01	VW032060.D	11 Aug 2025 12:18	SY/MD	Ok
11	VW0811SBS01	VW032061.D	11 Aug 2025 12:48	SY/MD	Ok,M
12	VW0811SBSD01	VW032062.D	11 Aug 2025 13:10	SY/MD	Ok,M
13	Q2807-01	VW032063.D	11 Aug 2025 14:00	SY/MD	Ok
14	Q2807-02	VW032064.D	11 Aug 2025 14:22	SY/MD	Ok
15	Q2807-03	VW032065.D	11 Aug 2025 14:44	SY/MD	Ok
16	Q2808-03	VW032066.D	11 Aug 2025 15:06	SY/MD	Ok
17	Q2809-01	VW032067.D	11 Aug 2025 15:28	SY/MD	Ok
18	Q2823-01	VW032068.D	11 Aug 2025 15:50	SY/MD	Ok
19	Q2818-01	VW032069.D	11 Aug 2025 16:12	SY/MD	Ok
20	Q2818-02	VW032070.D	11 Aug 2025 16:34	SY/MD	Ok
21	Q2819-01	VW032071.D	11 Aug 2025 16:56	SY/MD	Ok

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

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW081125

Review By	Mahesh Dadoda	Review On	8/12/2025 1:11:21 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	8/12/2025 1:14:36 PM				
SubDirectory	VW081125	HP Acquire Method	MSVOA_W	HP Processing Method	82w081125s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP135074
Initial Calibration Stds	VP135075,VP135076,VP135077,VP135078,VP135079,VP135080
CCC	VP135082
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135081
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2819-02	VW032072.D	11 Aug 2025 17:18	SY/MD	Ok
23	Q2819-03	VW032073.D	11 Aug 2025 17:41	SY/MD	Ok
24	Q2819-04	VW032074.D	11 Aug 2025 18:03	SY/MD	Ok
25	Q2819-05	VW032075.D	11 Aug 2025 18:25	SY/MD	Ok
26	Q2819-06	VW032076.D	11 Aug 2025 18:47	SY/MD	Ok
27	VIBLK	VW032077.D	11 Aug 2025 19:09	SY/MD	Ok
28	VSTDCCC050	VW032078.D	11 Aug 2025 19:31	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW081125

Review By	Mahesh Dadoda	Review On	8/12/2025 1:11:21 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	8/12/2025 1:14:36 PM		
SubDirectory	VW081125	HP Acquire Method	MSVOA_W	HP Processing Method	82w081125s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135074
Initial Calibration Stds	VP135075,VP135076,VP135077,VP135078,VP135079,VP135080
CCC	VP135082
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135081
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW032051.D	11 Aug 2025 07:53		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VW032052.D	11 Aug 2025 08:25		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VW032053.D	11 Aug 2025 09:09		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VW032054.D	11 Aug 2025 09:47		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VW032055.D	11 Aug 2025 10:09		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VW032056.D	11 Aug 2025 10:46		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VW032057.D	11 Aug 2025 11:08		SY/MD	Ok,M
8	VIBLK	VIBLK	VW032058.D	11 Aug 2025 11:30		SY/MD	Ok
9	VSTDICV050	ICVVW081125	VW032059.D	11 Aug 2025 11:51		SY/MD	Ok,M
10	VW0811SBL01	VW0811SBL01	VW032060.D	11 Aug 2025 12:18		SY/MD	Ok
11	VW0811SBS01	VW0811SBS01	VW032061.D	11 Aug 2025 12:48		SY/MD	Ok,M
12	VW0811SBSD01	VW0811SBSD01	VW032062.D	11 Aug 2025 13:10		SY/MD	Ok,M
13	Q2807-01	COMP-4	VW032063.D	11 Aug 2025 14:00	vial-A	SY/MD	Ok
14	Q2807-02	COMP-5	VW032064.D	11 Aug 2025 14:22	vial-A	SY/MD	Ok
15	Q2807-03	COMP-6	VW032065.D	11 Aug 2025 14:44	vial-A	SY/MD	Ok
16	Q2808-03	TP-7-VOC	VW032066.D	11 Aug 2025 15:06	vial-A	SY/MD	Ok
17	Q2809-01	OR-03-08082025	VW032067.D	11 Aug 2025 15:28	vial-A	SY/MD	Ok
18	Q2823-01	SU-04-081125	VW032068.D	11 Aug 2025 15:50	vial-A	SY/MD	Ok

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

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW081125

Review By	Mahesh Dadoda	Review On	8/12/2025 1:11:21 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	8/12/2025 1:14:36 PM		
SubDirectory	VW081125	HP Acquire Method	MSVOA_W	HP Processing Method	82w081125s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135074
Initial Calibration Stds	VP135075,VP135076,VP135077,VP135078,VP135079,VP135080
CCC	VP135082
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135081
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2818-01	B-2-5-1	VW032069.D	11 Aug 2025 16:12	vial-A	SY/MD	Ok
20	Q2818-02	B-3-5-2	VW032070.D	11 Aug 2025 16:34	vial-A	SY/MD	Ok
21	Q2819-01	22BP-N	VW032071.D	11 Aug 2025 16:56	vial-A	SY/MD	Ok
22	Q2819-02	22BP-E	VW032072.D	11 Aug 2025 17:18	vial-A	SY/MD	Ok
23	Q2819-03	22BP-W	VW032073.D	11 Aug 2025 17:41	vial-A	SY/MD	Ok
24	Q2819-04	22BP-S	VW032074.D	11 Aug 2025 18:03	vial-A	SY/MD	Ok
25	Q2819-05	11M-W	VW032075.D	11 Aug 2025 18:25	vial-A	SY/MD	Ok
26	Q2819-06	11M-S	VW032076.D	11 Aug 2025 18:47	vial-A	SY/MD	Ok
27	VIBLK	VIBLK	VW032077.D	11 Aug 2025 19:09		SY/MD	Ok
28	VSTDCCC050	VSTDCCC050EC	VW032078.D	11 Aug 2025 19:31		SY/MD	Ok,M

M : Manual Integration

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

LAB CHRONICLE

OrderID:	Q2818	**OrderDate:**	8/11/2025 11:57:00 AM
Client:	Earth Engineering Inc.	**Project:**	Reserve Turgyan Farms
Contact:	Frank Dougherty, LSRP	**Location:**	J21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2818-01	**B-2-5-1**	**SOIL**			**08/11/25**			**08/11/25**
			VOC-TCLVOA-10	8260D			08/11/25	
Q2818-02	**B-3-5-2**	**SOIL**			**08/11/25**			**08/11/25**
			VOC-TCLVOA-10	8260D			08/11/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2818

Client: Earth Engineering Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : B-2-5-1									
Q2818-01	B-2-5-1	SOIL	Bis(2-ethylhexyl)phthalate		150.000	J	67.6	190	ug/Kg
			Total Svoc :		**150.00**				
Q2818-01	B-2-5-1	SOIL	Butane, 2-methoxy-2-methyl-	*	770.000	J	0	0	ug/Kg
Q2818-01	B-2-5-1	SOIL	Cholestan-3-one, (5.beta.)-	*	1,100.000	J	0	0	ug/Kg
Q2818-01	B-2-5-1	SOIL	Cholestane, 3-ethoxy-, (3.beta.,5.	*	2,000.000	J	0	0	ug/Kg
Q2818-01	B-2-5-1	SOIL	Cholesterol	*	2,500.000	J	0	0	ug/Kg
Q2818-01	B-2-5-1	SOIL	Cyclotrisiloxane, hexamethyl-	*	1,300.000	J	0	0	ug/Kg
Q2818-01	B-2-5-1	SOIL	Dehydroabietic acid	*	430.000	J	0	0	ug/Kg
Q2818-01	B-2-5-1	SOIL	Eicosane, 9-cyclohexyl-	*	230.000	J	0	0	ug/Kg
Q2818-01	B-2-5-1	SOIL	Epicholestanol	*	950.000	J	0	0	ug/Kg
Q2818-01	B-2-5-1	SOIL	Heptadecanoic acid	*	510.000	J	0	0	ug/Kg
Q2818-01	B-2-5-1	SOIL	n-Decanoic acid	*	230.000	J	0	0	ug/Kg
Q2818-01	B-2-5-1	SOIL	n-Hexadecanoic acid	*	2,700.000	J	0	0	ug/Kg
Q2818-01	B-2-5-1	SOIL	Octadecanoic acid	*	2,200.000	J	0	0	ug/Kg
Q2818-01	B-2-5-1	SOIL	Oxime-, methoxy-phenyl-_	*	2,200.000	J	0	0	ug/Kg
Q2818-01	B-2-5-1	SOIL	Squalene	*	950.000	J	0	0	ug/Kg
Q2818-01	B-2-5-1	SOIL	trans-13-Octadecenoic acid	*	670.000	J	0	0	ug/Kg
Q2818-01	B-2-5-1	SOIL	trans-2-Phenyl-1-cyclopropanecar	*	390.000	J	0	0	ug/Kg
Q2818-01	B-2-5-1	SOIL	unknown29.277	*	1,000.000	J	0	0	ug/Kg
Q2818-01	B-2-5-1	SOIL	.gamma.-Sitosterol	*	1,300.000	J	0	0	ug/Kg
Q2818-01	B-2-5-1	SOIL	5.beta.-Cholestan-3.alpha.-ol, 2-m	*	6,300.000	J	0	0	ug/Kg
Q2818-01	B-2-5-1	SOIL	5-Eicosene, (E)-	*	250.000	J	0	0	ug/Kg
			Total Tics :		**27,980.00**				
			Total Concentration:		**28,130.00**				
Client ID : B-3-5-2									
Q2818-02	B-3-5-2	SOIL	Bis(2-ethylhexyl)phthalate		150.000	J	66.2	190	ug/Kg
			Total Svoc :		**150.00**				
Q2818-02	B-3-5-2	SOIL	Butane, 2-methoxy-2-methyl-	*	990.000	J	0	0	ug/Kg
Q2818-02	B-3-5-2	SOIL	Cholestane, 3-ethoxy-, (3.beta.,5.	*	2,600.000	J	0	0	ug/Kg
Q2818-02	B-3-5-2	SOIL	Cholestanol	*	1,200.000	J	0	0	ug/Kg
Q2818-02	B-3-5-2	SOIL	Cholesterol	*	1,900.000	J	0	0	ug/Kg
Q2818-02	B-3-5-2	SOIL	Dehydroabietic acid	*	260.000	J	0	0	ug/Kg
Q2818-02	B-3-5-2	SOIL	Heptadecanoic acid	*	340.000	J	0	0	ug/Kg
Q2818-02	B-3-5-2	SOIL	n-Hexadecanoic acid	*	2,300.000	J	0	0	ug/Kg
Q2818-02	B-3-5-2	SOIL	Octadecanoic acid	*	1,800.000	J	0	0	ug/Kg
Q2818-02	B-3-5-2	SOIL	Oxime-, methoxy-phenyl-_	*	1,300.000	J	0	0	ug/Kg
Q2818-02	B-3-5-2	SOIL	Silanediol, dimethyl-	*	230.000	J	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2818

Client: Earth Engineering Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2818-02	B-3-5-2	SOIL	Squalene	*	1,200.000	J	0	0	ug/Kg
Q2818-02	B-3-5-2	SOIL	.gamma.-Sitosterol	*	450.000	J	0	0	ug/Kg
Q2818-02	B-3-5-2	SOIL	1,4-Epoxynaphthalene, 1,4-dihydr	*	400.000	J	0	0	ug/Kg
Q2818-02	B-3-5-2	SOIL	2- Chloropropionic acid, octadecy	*	410.000	J	0	0	ug/Kg
Q2818-02	B-3-5-2	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	220.000	AB	0	0	ug/Kg
Q2818-02	B-3-5-2	SOIL	2-Phenanthrenol, 4b,5,6,7,8,8a,9,1	*	230.000	J	0	0	ug/Kg
Q2818-02	B-3-5-2	SOIL	5.beta.-Cholestan-3.alpha.-ol, 2-m	*	7,500.000	J	0	0	ug/Kg
Q2818-02	B-3-5-2	SOIL	9-Octadecenoic acid	*	820.000	J	0	0	ug/Kg
Q2818-02	B-3-5-2	SOIL	Arsenous acid, tris(trimethylsilyl	*	750.000	J	0	0	ug/Kg
Q2818-02	B-3-5-2	SOIL	Benzophenone	*	260.000	J	0	0	ug/Kg
			Total Tics :		**25,160.00**				
			Total Concentration:		**25,310.00**				

SAMPLE DATA

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-2-5-1	SDG No.:	Q2818
Lab Sample ID:	Q2818-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.5
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
BP025371.D	1	08/12/25 09:15	08/12/25 18:00	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	380	ug/Kg
108-95-2	Phenol	25.2	U	25.2	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	27.7	U	27.7	190	ug/Kg
95-57-8	2-Chlorophenol	27.8	U	27.8	190	ug/Kg
95-48-7	2-Methylphenol	34.1	U	34.1	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	42.8	U	42.8	190	ug/Kg
98-86-2	Acetophenone	33.7	U	33.7	190	ug/Kg
65794-96-9	3+4-Methylphenols	46.9	U	46.9	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.1	U	54.1	91.3	ug/Kg
67-72-1	Hexachloroethane	20.1	U	20.1	190	ug/Kg
98-95-3	Nitrobenzene	20.9	U	20.9	190	ug/Kg
78-59-1	Isophorone	37.4	U	37.4	190	ug/Kg
88-75-5	2-Nitrophenol	66.4	U	66.4	190	ug/Kg
105-67-9	2,4-Dimethylphenol	74.0	U	74.0	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.2	U	35.2	190	ug/Kg
120-83-2	2,4-Dichlorophenol	32.3	U	32.3	190	ug/Kg
91-20-3	Naphthalene	25.9	U	25.9	190	ug/Kg
106-47-8	4-Chloroaniline	40.4	U	40.4	190	ug/Kg
87-68-3	Hexachlorobutadiene	28.9	U	28.9	190	ug/Kg
105-60-2	Caprolactam	59.5	U	59.5	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32.8	U	32.8	190	ug/Kg
91-57-6	2-Methylnaphthalene	29.2	U	29.2	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.6	U	22.6	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.2	UQ	33.2	190	ug/Kg
92-52-4	1,1-Biphenyl	24.9	U	24.9	190	ug/Kg
91-58-7	2-Chloronaphthalene	25.7	U	25.7	190	ug/Kg
88-74-4	2-Nitroaniline	54.9	U	54.9	190	ug/Kg
131-11-3	Dimethylphthalate	30.9	U	30.9	190	ug/Kg

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-2-5-1	SDG No.:	Q2818
Lab Sample ID:	Q2818-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.5
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
BP025371.D	1	08/12/25 09:15	08/12/25 18:00	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.0	U	33.0	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.3	U	38.3	190	ug/Kg
99-09-2	3-Nitroaniline	52.5	U	52.5	190	ug/Kg
83-32-9	Acenaphthene	24.3	U	24.3	190	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	25.9	U	25.9	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	57.2	U	57.2	190	ug/Kg
84-66-2	Diethylphthalate	32.3	U	32.3	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.5	U	30.5	190	ug/Kg
86-73-7	Fluorene	28.9	U	28.9	190	ug/Kg
100-01-6	4-Nitroaniline	73.3	U	73.3	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	37.5	U	37.5	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31.7	U	31.7	190	ug/Kg
118-74-1	Hexachlorobenzene	28.9	U	28.9	190	ug/Kg
1912-24-9	Atrazine	38.8	U	38.8	190	ug/Kg
87-86-5	Pentachlorophenol	58.6	U	58.6	380	ug/Kg
85-01-8	Phenanthrene	23.9	U	23.9	190	ug/Kg
120-12-7	Anthracene	38.0	U	38.0	190	ug/Kg
86-74-8	Carbazole	35.6	U	35.6	190	ug/Kg
84-74-2	Di-n-butylphthalate	54.7	U	54.7	190	ug/Kg
206-44-0	Fluoranthene	34.2	U	34.2	190	ug/Kg
129-00-0	Pyrene	41.1	U	41.1	190	ug/Kg
85-68-7	Butylbenzylphthalate	81.5	U	81.5	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	41.9	U	41.9	380	ug/Kg
56-55-3	Benzo(a)anthracene	26.3	U	26.3	190	ug/Kg
218-01-9	Chrysene	22.7	U	22.7	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	J	67.6	190	ug/Kg
117-84-0	Di-n-octyl phthalate	99.1	U	99.1	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	21.7	U	21.7	190	ug/Kg

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-2-5-1	SDG No.:	Q2818
Lab Sample ID:	Q2818-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.5
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
BP025371.D	1	08/12/25 09:15	08/12/25 18:00	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.6	U	25.6	190	ug/Kg
50-32-8	Benzo(a)pyrene	33.7	U	33.7	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.2	U	33.2	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.3	U	31.3	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.3	U	29.3	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.2	U	29.2	190	ug/Kg
123-91-1	1,4-Dioxane	51.6	U	51.6	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.3	U	31.3	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	60.5		18 - 112	40%	SPK: 150
13127-88-3	Phenol-d6	57.1		15 - 107	38%	SPK: 150
4165-60-0	Nitrobenzene-d5	42.0		18 - 107	42%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.9		20 - 109	42%	SPK: 100
118-79-6	2,4,6-Tribromophenol	80.0		10 - 116	53%	SPK: 150
1718-51-0	Terphenyl-d14	39.6		10 - 105	40%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	234000	7.802			
1146-65-2	Naphthalene-d8	928000	10.572			
15067-26-2	Acenaphthene-d10	560000	14.419			
1517-22-2	Phenanthrene-d10	1060000	17.225			
1719-03-5	Chrysene-d12	1060000	21.672			
1520-96-3	Perylene-d12	1260000	25.065			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	770	J		3.05	ug/Kg
1000222-86-6	Oxime-, methoxy-phenyl-	2200	J		5.54	ug/Kg
000541-05-9	Cyclotrisiloxane, hexamethyl-	1300	J		8.22	ug/Kg
000939-90-2	trans-2-Phenyl-1-cyclopropanecarbo	390	J		14.0	ug/Kg
000057-10-3	n-Hexadecanoic acid	2700	J		18.2	ug/Kg
000506-12-7	Heptadecanoic acid	510	J		18.6	ug/Kg
004443-61-2	Eicosane, 9-cyclohexyl-	230	J		18.7	ug/Kg

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-2-5-1	SDG No.:	Q2818
Lab Sample ID:	Q2818-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.5
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
BP025371.D	1	08/12/25 09:15	08/12/25 18:00	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000693-71-0	trans-13-Octadecenoic acid	670	J		19.4	ug/Kg
000057-11-4	Octadecanoic acid	2200	J		19.5	ug/Kg
000334-48-5	n-Decanoic acid	230	J		20.6	ug/Kg
001740-19-8	Dehydroabietic acid	430	J		21.3	ug/Kg
074685-30-6	5-Eicosene, (E)-	250	J		21.3	ug/Kg
000111-02-4	Squalene	950	J		23.6	ug/Kg
1000514-95-7	5.beta.-Cholestan-3.alpha.-ol, 2-m	6300	J		27.0	ug/Kg
000057-88-5	Cholesterol	2500	J		27.5	ug/Kg
000601-53-6	Cholestan-3-one, (5.beta.)-	1100	J		27.6	ug/Kg
000516-95-0	Epicholestanol	950	J		27.7	ug/Kg
	unknown29.277	1000	J		29.3	ug/Kg
002089-02-3	Cholestane, 3-ethoxy-, (3.beta.,5.	2000	J		30.2	ug/Kg
000083-47-6	.gamma.-Sitosterol	1300	J		30.9	ug/Kg

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

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-3-5-2	SDG No.:	Q2818
Lab Sample ID:	Q2818-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025372.D	1	08/12/25 09:15	08/12/25 18:42	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	370	ug/Kg
108-95-2	Phenol	24.7	U	24.7	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	27.2	U	27.2	190	ug/Kg
95-57-8	2-Chlorophenol	27.3	U	27.3	190	ug/Kg
95-48-7	2-Methylphenol	33.5	U	33.5	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	42.0	U	42.0	190	ug/Kg
98-86-2	Acetophenone	33.0	U	33.0	190	ug/Kg
65794-96-9	3+4-Methylphenols	46.0	U	46.0	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	53.0	U	53.0	89.5	ug/Kg
67-72-1	Hexachloroethane	19.7	U	19.7	190	ug/Kg
98-95-3	Nitrobenzene	20.5	U	20.5	190	ug/Kg
78-59-1	Isophorone	36.7	U	36.7	190	ug/Kg
88-75-5	2-Nitrophenol	65.1	U	65.1	190	ug/Kg
105-67-9	2,4-Dimethylphenol	72.5	U	72.5	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	34.5	U	34.5	190	ug/Kg
120-83-2	2,4-Dichlorophenol	31.7	U	31.7	190	ug/Kg
91-20-3	Naphthalene	25.4	U	25.4	190	ug/Kg
106-47-8	4-Chloroaniline	39.6	U	39.6	190	ug/Kg
87-68-3	Hexachlorobutadiene	28.3	U	28.3	190	ug/Kg
105-60-2	Caprolactam	58.3	U	58.3	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32.1	U	32.1	190	ug/Kg
91-57-6	2-Methylnaphthalene	28.6	U	28.6	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.2	U	22.2	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	32.6	UQ	32.6	190	ug/Kg
92-52-4	1,1-Biphenyl	24.4	U	24.4	190	ug/Kg
91-58-7	2-Chloronaphthalene	25.2	U	25.2	190	ug/Kg
88-74-4	2-Nitroaniline	53.8	U	53.8	190	ug/Kg
131-11-3	Dimethylphthalate	30.3	U	30.3	190	ug/Kg

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-3-5-2	SDG No.:	Q2818
Lab Sample ID:	Q2818-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025372.D	1	08/12/25 09:15	08/12/25 18:42	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	32.3	U	32.3	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	37.6	U	37.6	190	ug/Kg
99-09-2	3-Nitroaniline	51.5	U	51.5	190	ug/Kg
83-32-9	Acenaphthene	23.8	U	23.8	190	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	370	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	370	ug/Kg
132-64-9	Dibenzofuran	25.4	U	25.4	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	56.1	U	56.1	190	ug/Kg
84-66-2	Diethylphthalate	31.7	U	31.7	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.9	U	29.9	190	ug/Kg
86-73-7	Fluorene	28.3	U	28.3	190	ug/Kg
100-01-6	4-Nitroaniline	71.8	U	71.8	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	36.8	U	36.8	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31.1	U	31.1	190	ug/Kg
118-74-1	Hexachlorobenzene	28.3	U	28.3	190	ug/Kg
1912-24-9	Atrazine	38.0	U	38.0	190	ug/Kg
87-86-5	Pentachlorophenol	57.4	U	57.4	370	ug/Kg
85-01-8	Phenanthrene	23.4	U	23.4	190	ug/Kg
120-12-7	Anthracene	37.3	U	37.3	190	ug/Kg
86-74-8	Carbazole	34.9	U	34.9	190	ug/Kg
84-74-2	Di-n-butylphthalate	53.6	U	53.6	190	ug/Kg
206-44-0	Fluoranthene	33.6	U	33.6	190	ug/Kg
129-00-0	Pyrene	40.3	U	40.3	190	ug/Kg
85-68-7	Butylbenzylphthalate	79.9	U	79.9	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	41.1	U	41.1	370	ug/Kg
56-55-3	Benzo(a)anthracene	25.7	U	25.7	190	ug/Kg
218-01-9	Chrysene	22.3	U	22.3	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	J	66.2	190	ug/Kg
117-84-0	Di-n-octyl phthalate	97.1	U	97.1	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	21.3	U	21.3	190	ug/Kg

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-3-5-2	SDG No.:	Q2818
Lab Sample ID:	Q2818-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025372.D	1	08/12/25 09:15	08/12/25 18:42	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.1	U	25.1	190	ug/Kg
50-32-8	Benzo(a)pyrene	33.0	U	33.0	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	32.6	U	32.6	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	30.7	U	30.7	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28.8	U	28.8	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	28.6	U	28.6	190	ug/Kg
123-91-1	1,4-Dioxane	50.6	U	50.6	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	30.7	U	30.7	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	82.8		18 - 112	55%	SPK: 150
13127-88-3	Phenol-d6	76.9		15 - 107	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	56.6		18 - 107	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	54.6		20 - 109	55%	SPK: 100
118-79-6	2,4,6-Tribromophenol	109		10 - 116	72%	SPK: 150
1718-51-0	Terphenyl-d14	54.3		10 - 105	54%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	234000	7.802			
1146-65-2	Naphthalene-d8	947000	10.572			
15067-26-2	Acenaphthene-d10	581000	14.431			
1517-22-2	Phenanthrene-d10	1110000	17.225			
1719-03-5	Chrysene-d12	1090000	21.672			
1520-96-3	Perylene-d12	1280000	25.071			
TENTATIVE IDENTIFIED COMPOUNDS						
001066-42-8	Silanediol, dimethyl-	230	J		2.98	ug/Kg
000994-05-8	Butane, 2-methoxy-2-methyl-	990	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	220	AB		4.96	ug/Kg
1000222-86-6	Oxime-, methoxy-phenyl-	1300	J		5.54	ug/Kg
055429-29-3	Arsenous acid, tris(trimethylsilyl	750	J		8.21	ug/Kg
000573-57-9	1,4-Epoxynaphthalene, 1,4-dihydro-	400	J		14.1	ug/Kg
000119-61-9	Benzophenone	260	J		15.8	ug/Kg

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-3-5-2	SDG No.:	Q2818
Lab Sample ID:	Q2818-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025372.D	1	08/12/25 09:15	08/12/25 18:42	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000057-10-3	n-Hexadecanoic acid	2300	J		18.2	ug/Kg
000506-12-7	Heptadecanoic acid	340	J		18.6	ug/Kg
002027-47-6	9-Octadecenoic acid	820	J		19.4	ug/Kg
000057-11-4	Octadecanoic acid	1800	J		19.5	ug/Kg
000511-15-9	2-Phenanthrenol, 4b,5,6,7,8,8a,9,1	230	J		20.6	ug/Kg
001740-19-8	Dehydroabietic acid	260	J		21.3	ug/Kg
088104-31-8	2- Chloropropionic acid, octadecyl	410	J		21.3	ug/Kg
000111-02-4	Squalene	1200	J		23.6	ug/Kg
1000514-95-7	5.beta.-Cholestan-3.alpha.-ol, 2-m	7500	J		27.0	ug/Kg
000057-88-5	Cholesterol	1900	J		27.5	ug/Kg
000080-97-7	Cholestanol	1200	J		27.7	ug/Kg
002089-02-3	Cholestane, 3-ethoxy-, (3.beta.,5.	2600	J		30.2	ug/Kg
000083-47-6	.gamma.-Sitosterol	450	J		30.8	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

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q2818

Client: Earth Engineering Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
PB169210BL	PB169210BL	2-Fluorophenol	150	124	82		18	112
		Phenol-d6	150	109	73		15	107
		Nitrobenzene-d5	100	86.3	86		18	107
		2-Fluorobiphenyl	100	82.2	82		20	109
		2,4,6-Tribromophenol	150	156	104		10	116
		Terphenyl-d14	100	79.4	79		10	105
PB169210BS	PB169210BS	2-Fluorophenol	150	136	91		18	112
		Phenol-d6	150	138	92		15	107
		Nitrobenzene-d5	100	79.6	80		18	107
		2-Fluorobiphenyl	100	79.7	80		20	109
		2,4,6-Tribromophenol	150	138	92		10	116
		Terphenyl-d14	100	83.1	83		10	105
Q2818-01	B-2-5-1	2-Fluorophenol	150	60.5	40		18	112
		Phenol-d6	150	57.1	38		15	107
		Nitrobenzene-d5	100	42.0	42		18	107
		2-Fluorobiphenyl	100	41.9	42		20	109
		2,4,6-Tribromophenol	150	80.0	53		10	116
		Terphenyl-d14	100	39.6	40		10	105
Q2818-02	B-3-5-2	2-Fluorophenol	150	82.8	55		18	112
		Phenol-d6	150	76.9	51		15	107
		Nitrobenzene-d5	100	56.6	57		18	107
		2-Fluorobiphenyl	100	54.6	55		20	109
		2,4,6-Tribromophenol	150	109	72		10	116
		Terphenyl-d14	100	54.3	54		10	105
Q2830-05MS	BIN0009-DRIVEWAY-TP-WESTSID	2-Fluorophenol	150	95.7	64		18	112
		Phenol-d6	150	95.4	64		15	107
		Nitrobenzene-d5	100	75.4	75		18	107
		2-Fluorobiphenyl	100	68.9	69		20	109
		2,4,6-Tribromophenol	150	121	81		10	116
		Terphenyl-d14	100	58.4	58		10	105
Q2830-05MSD	BIN0009-DRIVEWAY-TP-WESTSID	2-Fluorophenol	150	97.8	65		18	112
		Phenol-d6	150	101	67		15	107
		Nitrobenzene-d5	100	77.3	77		18	107
		2-Fluorobiphenyl	100	65.9	66		20	109
		2,4,6-Tribromophenol	150	142	95		10	116
		Terphenyl-d14	100	77.5	78		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2818 **Analytical Method:** SW8270E

Client: Earth Engineering Inc. **DataFile:** BF143367.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2830-05MS		**Client Sample ID: BIN0009-DRIVEWAY-TP-WESTSIDE**									
Benzaldehyde	1200	0	820	ug/Kg	68				10	171	
Phenol	1200	0	1000	ug/Kg	83				51	122	
bis(2-Chloroethyl)ether	1200	0	1100	ug/Kg	92				54	125	
2-Chlorophenol	1200	0	1100	ug/Kg	92				51	121	
2-Methylphenol	1200	0	1100	ug/Kg	92				47	125	
2,2-oxybis(1-Chloropropane)	1200	0	1100	ug/Kg	92				46	119	
Acetophenone	1200	0	1100	ug/Kg	92				55	128	
3+4-Methylphenols	1200	0	1000	ug/Kg	83				49	125	
N-Nitroso-di-n-propylamine	1200	0	1100	ug/Kg	92				59	119	
Hexachloroethane	1200	0	1200	ug/Kg	100				51	116	
Nitrobenzene	1200	0	1100	ug/Kg	92				47	124	
Isophorone	1200	0	1100	ug/Kg	92				49	127	
2-Nitrophenol	1200	0	1400	ug/Kg	117				43	131	
2,4-Dimethylphenol	1200	0	1200	ug/Kg	100				63	151	
bis(2-Chloroethoxy)methane	1200	0	1100	ug/Kg	92				51	119	
2,4-Dichlorophenol	1200	0	1200	ug/Kg	100				50	122	
Naphthalene	1200	0	1100	ug/Kg	92				51	121	
4-Chloroaniline	1200	0	600	ug/Kg	50				10	100	
Hexachlorobutadiene	1200	0	1200	ug/Kg	100				44	126	
Caprolactam	1200	0	1200	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	1200	0	1100	ug/Kg	92				57	132	
2-Methylnaphthalene	1200	0	1000	ug/Kg	83				59	123	
Hexachlorocyclopentadiene	2500	0	2800	ug/Kg	112				10	175	
2,4,6-Trichlorophenol	1200	0	1300	ug/Kg	108				33	141	
2,4,5-Trichlorophenol	1200	0	1200	ug/Kg	100				38	135	
1,1-Biphenyl	1200	0	1100	ug/Kg	92				55	131	
2-Chloronaphthalene	1200	0	1100	ug/Kg	92				48	124	
2-Nitroaniline	1200	0	1200	ug/Kg	100				47	134	
Dimethylphthalate	1200	0	1200	ug/Kg	100				54	120	
Acenaphthylene	1200	0	1200	ug/Kg	100				57	125	
2,6-Dinitrotoluene	1200	0	1300	ug/Kg	108				48	127	
3-Nitroaniline	1200	0	820	ug/Kg	68				10	112	
Acenaphthene	1200	0	1200	ug/Kg	100				70	121	
2,4-Dinitrophenol	2500	0	2300	ug/Kg	92				10	155	
4-Nitrophenol	2500	0	1900	ug/Kg	76				10	175	
Dibenzofuran	1200	0	1100	ug/Kg	92				52	114	
2,4-Dinitrotoluene	1200	0	1300	ug/Kg	108				41	140	
Diethylphthalate	1200	0	1200	ug/Kg	100				51	119	
4-Chlorophenyl-phenylether	1200	0	1100	ug/Kg	92				48	122	
Fluorene	1200	0	1100	ug/Kg	92				53	118	
4-Nitroaniline	1200	0	1200	ug/Kg	100				29	140	
4,6-Dinitro-2-methylphenol	1200	0	1500	ug/Kg	125				10	160	
N-Nitrosodiphenylamine	1200	0	1200	ug/Kg	100				73	118	
4-Bromophenyl-phenylether	1200	0	1200	ug/Kg	100				65	121	
Hexachlorobenzene	1200	0	1200	ug/Kg	100				67	118	
Atrazine	1200	0	1400	ug/Kg	117				45	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2818 **Analytical Method:** SW8270E

Client: Earth Engineering Inc. **DataFile:** BF143367.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	2500	0	2300	ug/Kg	92				13	153	
Phenanthrene	1200	0	1100	ug/Kg	92				52	128	
Anthracene	1200	0	1100	ug/Kg	92				62	124	
Carbazole	1200	0	1100	ug/Kg	92				59	119	
Di-n-butylphthalate	1200	0	1600	ug/Kg	133	*			55	125	
Fluoranthene	1200	0	1200	ug/Kg	100				44	125	
Pyrene	1200	0	870	ug/Kg	73				37	122	
Butylbenzylphthalate	1200	0	1800	ug/Kg	150	*			44	135	
3,3-Dichlorobenzidine	1200	0	960	ug/Kg	80				15	112	
Benzo(a)anthracene	1200	0	1100	ug/Kg	92				53	119	
Chrysene	1200	0	1100	ug/Kg	92				57	121	
bis(2-Ethylhexyl)phthalate	1200	120	1800	ug/Kg	140				42	169	
Di-n-octyl phthalate	1200	0	1600	ug/Kg	133				51	156	
Benzo(b)fluoranthene	1200	0	1200	ug/Kg	100				52	117	
Benzo(k)fluoranthene	1200	0	1100	ug/Kg	92				57	134	
Benzo(a)pyrene	1200	0	1200	ug/Kg	100				70	142	
Indeno(1,2,3-cd)pyrene	1200	0	1100	ug/Kg	92				40	129	
Dibenz(a,h)anthracene	1200	0	1100	ug/Kg	92				43	123	
Benzo(g,h,i)perylene	1200	0	1100	ug/Kg	92				24	125	
1,2,4,5-Tetrachlorobenzene	1200	0	1100	ug/Kg	92				52	134	
1,4-Dioxane	1200	0	980	ug/Kg	82				46	112	
2,3,4,6-Tetrachlorophenol	1200	0	1400	ug/Kg	117				24	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2818 **Analytical Method:** SW8270E

Client: Earth Engineering Inc. **DataFile:** BF143368.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2830-05MSD		**Client Sample ID: BIN0009-DRIVEWAY-TP-WESTSIDE**									
Benzaldehyde	1200	0	870	ug/Kg	73		7		10	171	20
Phenol	1200	0	1100	ug/Kg	92		10		51	122	20
bis(2-Chloroethyl)ether	1200	0	1100	ug/Kg	92		0		54	125	20
2-Chlorophenol	1200	0	1200	ug/Kg	100		8		51	121	20
2-Methylphenol	1200	0	1200	ug/Kg	100		8		47	125	20
2,2-oxybis(1-Chloropropane)	1200	0	1100	ug/Kg	92		0		46	119	20
Acetophenone	1200	0	1100	ug/Kg	92		0		55	128	20
3+4-Methylphenols	1200	0	1100	ug/Kg	92		10		49	125	20
N-Nitroso-di-n-propylamine	1200	0	1100	ug/Kg	92		0		59	119	20
Hexachloroethane	1200	0	1200	ug/Kg	100		0		51	116	20
Nitrobenzene	1200	0	1200	ug/Kg	100		8		47	124	20
Isophorone	1200	0	1200	ug/Kg	100		8		49	127	20
2-Nitrophenol	1200	0	1400	ug/Kg	117		0		43	131	20
2,4-Dimethylphenol	1200	0	1300	ug/Kg	108		8		63	151	20
bis(2-Chloroethoxy)methane	1200	0	1200	ug/Kg	100		8		51	119	20
2,4-Dichlorophenol	1200	0	1200	ug/Kg	100		0		50	122	20
Naphthalene	1200	0	1100	ug/Kg	92		0		51	121	20
4-Chloroaniline	1200	0	550	ug/Kg	46		8		10	100	20
Hexachlorobutadiene	1200	0	1100	ug/Kg	92		8		44	126	20
Caprolactam	1200	0	1500	ug/Kg	125		22	*	51	134	20
4-Chloro-3-methylphenol	1200	0	1300	ug/Kg	108		16		57	132	20
2-Methylnaphthalene	1200	0	1000	ug/Kg	83		0		59	123	20
Hexachlorocyclopentadiene	2500	0	2700	ug/Kg	108		4		10	175	20
2,4,6-Trichlorophenol	1200	0	1300	ug/Kg	108		0		33	141	20
2,4,5-Trichlorophenol	1200	0	1200	ug/Kg	100		0		38	135	20
1,1-Biphenyl	1200	0	1100	ug/Kg	92		0		55	131	20
2-Chloronaphthalene	1200	0	1100	ug/Kg	92		0		48	124	20
2-Nitroaniline	1200	0	1300	ug/Kg	108		8		47	134	20
Dimethylphthalate	1200	0	1300	ug/Kg	108		8		54	120	20
Acenaphthylene	1200	0	1200	ug/Kg	100		0		57	125	20
2,6-Dinitrotoluene	1200	0	1500	ug/Kg	125		15		48	127	20
3-Nitroaniline	1200	0	990	ug/Kg	83		20		10	112	20
Acenaphthene	1200	0	1200	ug/Kg	100		0		70	121	20
2,4-Dinitrophenol	2500	0	2700	ug/Kg	108		16		10	155	20
4-Nitrophenol	2500	0	2400	ug/Kg	96		23	*	10	175	20
Dibenzofuran	1200	0	1100	ug/Kg	92		0		52	114	20
2,4-Dinitrotoluene	1200	0	1500	ug/Kg	125		15		41	140	20
Diethylphthalate	1200	0	1400	ug/Kg	117		16		51	119	20
4-Chlorophenyl-phenylether	1200	0	1200	ug/Kg	100		8		48	122	20
Fluorene	1200	0	1100	ug/Kg	92		0		53	118	20
4-Nitroaniline	1200	0	1500	ug/Kg	125		22	*	29	140	20
4,6-Dinitro-2-methylphenol	1200	0	1600	ug/Kg	133		6		10	160	20
N-Nitrosodiphenylamine	1200	0	1100	ug/Kg	92		8		73	118	20
4-Bromophenyl-phenylether	1200	0	1200	ug/Kg	100		0		65	121	20
Hexachlorobenzene	1200	0	1100	ug/Kg	92		8		67	118	20
Atrazine	1200	0	1400	ug/Kg	117		0		45	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2818 **Analytical Method:** SW8270E

Client: Earth Engineering Inc. **DataFile:** BF143368.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	2500	0	2500	ug/Kg	100		8		13	153	20
Phenanthrene	1200	0	1100	ug/Kg	92		0		52	128	20
Anthracene	1200	0	1100	ug/Kg	92		0		62	124	20
Carbazole	1200	0	1100	ug/Kg	92		0		59	119	20
Di-n-butylphthalate	1200	0	1700	ug/Kg	142	*	7		55	125	20
Fluoranthene	1200	0	1300	ug/Kg	108		8		44	125	20
Pyrene	1200	0	1200	ug/Kg	100		31	*	37	122	20
Butylbenzylphthalate	1200	0	2300	ug/Kg	192	*	25	*	44	135	20
3,3-Dichlorobenzidine	1200	0	860	ug/Kg	72		11		15	112	20
Benzo(a)anthracene	1200	0	1100	ug/Kg	92		0		53	119	20
Chrysene	1200	0	1200	ug/Kg	100		8		57	121	20
bis(2-Ethylhexyl)phthalate	1200	120	2000	ug/Kg	157		11		42	169	20
Di-n-octyl phthalate	1200	0	1400	ug/Kg	117		13		51	156	20
Benzo(b)fluoranthene	1200	0	1200	ug/Kg	100		0		52	117	20
Benzo(k)fluoranthene	1200	0	1300	ug/Kg	108		16		57	134	20
Benzo(a)pyrene	1200	0	1200	ug/Kg	100		0		70	142	20
Indeno(1,2,3-cd)pyrene	1200	0	1100	ug/Kg	92		0		40	129	20
Dibenz(a,h)anthracene	1200	0	1200	ug/Kg	100		8		43	123	20
Benzo(g,h,i)perylene	1200	0	1100	ug/Kg	92		0		24	125	20
1,2,4,5-Tetrachlorobenzene	1200	0	1100	ug/Kg	92		0		52	134	20
1,4-Dioxane	1200	0	980	ug/Kg	82		0		46	112	20
2,3,4,6-Tetrachlorophenol	1200	0	1600	ug/Kg	133		13		24	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2818 **Analytical Method:** 8270E

Client: Earth Engineering Inc. **DataFile:** BP025402.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169210BS	Benzaldehyde	1700	1000	ug/Kg	59				10	133	
	Phenol	1700	1700	ug/Kg	100				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	2-Methylphenol	1700	1700	ug/Kg	100				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100	
	Acetophenone	1700	1500	ug/Kg	88				66	98	
	3+4-Methylphenols	1700	1600	ug/Kg	94				58	111	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				46	141	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				66	97	
	2,4-Dichlorophenol	1700	1700	ug/Kg	100				62	107	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	1400	ug/Kg	82				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1600	ug/Kg	94				67	110	
	4-Chloro-3-methylphenol	1700	1700	ug/Kg	100				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	3100	ug/Kg	94				45	165	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				59	102	
	2,4,5-Trichlorophenol	1700	1700	ug/Kg	100		*		61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1600	ug/Kg	94				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				61	104	
	3-Nitroaniline	1700	1500	ug/Kg	88				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	3700	ug/Kg	112				37	128	
	4-Nitrophenol	3300	3500	ug/Kg	106				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				60	106	
	Diethylphthalate	1700	1600	ug/Kg	94				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	1700	ug/Kg	100				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				71	99	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				66	102	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2818 **Analytical Method:** 8270E

Client: Earth Engineering Inc. **DataFile:** BP025402.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169210BS	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98	
	Atrazine	1700	1600	ug/Kg	94				47	152	
	Pentachlorophenol	3300	3200	ug/Kg	97				67	105	
	Phenanthrene	1700	1600	ug/Kg	94				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1600	ug/Kg	94				57	107	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103	
	3,3-Dichlorobenzidine	1700	1300	ug/Kg	76				42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				54	135	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				52	137	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101	
	1,4-Dioxane	1700	1400	ug/Kg	82				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1700	ug/Kg	100				59	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB169210BL

Lab Name: Alliance | Contract: EARTH03

Lab Code: ACE | SDG NO.: Q2818

Lab File ID: BP025378.D | Lab Sample ID: PB169210BL

Instrument ID: BNA_P | Date Extracted: 08/12/2025

Matrix: (soil/water) SOIL | Date Analyzed: 08/13/2025

Level: (low/med) LOW | Time Analyzed: 10:32

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169210BS	PB169210BS	BP025402.D	08/14/2025
BIN0009-DRIVEWAY-TP-WESTSIDEMS	Q2830-05MS	BF143367.D	08/13/2025
BIN0009-DRIVEWAY-TP-WESTSIDEMSD	Q2830-05MSD	BF143368.D	08/13/2025
B-2-5-1	Q2818-01	BP025371.D	08/12/2025
B-3-5-2	Q2818-02	BP025372.D	08/12/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG NO.: Q2818

Lab File ID: BF143342.D DFTPP Injection Date: 08/12/2025

Instrument ID: BNA_F DFTPP Injection Time: 08:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	29.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.5
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	15.1
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	BF143343.D	08/12/2025	09:03
SSTDICC005	SSTDICC005	BF143344.D	08/12/2025	09:34
SSTDICC010	SSTDICC010	BF143345.D	08/12/2025	10:04
SSTDICC020	SSTDICC020	BF143346.D	08/12/2025	10:35
SSTDICCC040	SSTDICCC040	BF143347.D	08/12/2025	11:06
SSTDICC050	SSTDICC050	BF143348.D	08/12/2025	11:37
SSTDICC060	SSTDICC060	BF143349.D	08/12/2025	12:07
SSTDICC080	SSTDICC080	BF143350.D	08/12/2025	12:38

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG NO.: Q2818

Lab File ID: BF143364.D DFTPP Injection Date: 08/13/2025

Instrument ID: BNA_F DFTPP Injection Time: 08:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	29.2
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.5
365	Greater than 1% of mass 198	2.8
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.8 (19.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143365.D	08/13/2025	10:00
BIN0009-DRIVEWAY-TP-WESTSIDEMS	Q2830-05MS	BF143367.D	08/13/2025	11:12
BIN0009-DRIVEWAY-TP-WESTSIDEMSD	Q2830-05MSD	BF143368.D	08/13/2025	11:42

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG NO.: Q2818

Lab File ID: BP025297.D DFTPP Injection Date: 08/05/2025

Instrument ID: BNA_P DFTPP Injection Time: 11:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	34.1
70	Less than 2.0% of mass 69	0.2 (0.5) 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	7
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	13.4
442	Greater than 50% of mass 198	87.3
443	15.0 - 24.0% of mass 442	17.1 (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	BP025298.D	08/05/2025	12:03
SSTDICC005	SSTDICC005	BP025299.D	08/05/2025	12:44
SSTDICC010	SSTDICC010	BP025300.D	08/05/2025	13:25
SSTDICC020	SSTDICC020	BP025301.D	08/05/2025	14:06
SSTDICCC040	SSTDICCC040	BP025302.D	08/05/2025	14:47
SSTDICC050	SSTDICC050	BP025303.D	08/05/2025	15:28
SSTDICC060	SSTDICC060	BP025304.D	08/05/2025	16:10
SSTDICC080	SSTDICC080	BP025305.D	08/05/2025	16:51

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG NO.: Q2818

Lab File ID: BP025359.D DFTPP Injection Date: 08/12/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	31.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	15.1
442	Greater than 50% of mass 198	97.1
443	15.0 - 24.0% of mass 442	19.1 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025360.D	08/12/2025	10:07
B-2-5-1	Q2818-01	BP025371.D	08/12/2025	18:00
B-3-5-2	Q2818-02	BP025372.D	08/12/2025	18:42

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG NO.: Q2818

Lab File ID: BP025376.D DFTPP Injection Date: 08/13/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	29.2
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025377.D	08/13/2025	09:51
PB169210BL	PB169210BL	BP025378.D	08/13/2025	10:32

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG NO.: Q2818

Lab File ID: BP025390.D DFTPP Injection Date: 08/14/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:30

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	23.1
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.2
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	15.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP025392.D	08/14/2025	12:33
SSTDICC005	SSTDICC005	BP025393.D	08/14/2025	13:15
SSTDICC010	SSTDICC010	BP025394.D	08/14/2025	13:56
SSTDICC020	SSTDICC020	BP025395.D	08/14/2025	14:38
SSTDICCC040	SSTDICCC040	BP025396.D	08/14/2025	15:19
SSTDICC050	SSTDICC050	BP025397.D	08/14/2025	16:01
SSTDICC060	SSTDICC060	BP025398.D	08/14/2025	16:42
SSTDICC080	SSTDICC080	BP025399.D	08/14/2025	17:24
PB169210BS	PB169210BS	BP025402.D	08/14/2025	20:10

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2818

Client ID : SSTDCCC040 Date Analyzed: 08/13/2025

Lab File ID: BF143365.D Time Analyzed: 10:00

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	155874	6.934	589243	8.21	314886	9.96
	UPPER LIMIT	311748	7.434	1178490	8.71	629772	10.463
	LOWER LIMIT	77937	6.434	294622	7.71	157443	9.463
	EPA SAMPLE NO.						
01	BIN0009-DRIVEWAY-TP-WESTSIDEMS	137804	6.93	517024	8.21	272568	9.96
02	BIN0009-DRIVEWAY-TP-WESTSIDEMS	182122	6.93	707644	8.21	400799	9.97

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: Alliance

Lab Code: ACE SDG NO.: Q2818

Client ID: SSTDCCC040 Date Analyzed: 08/13/2025

Lab File ID: BF143365.D Time Analyzed: 10:00

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	455320	11.451	268507	14.092	321267	15.58
	UPPER LIMIT	910640	11.951	537014	14.592	642534	16.08
	LOWER LIMIT	227660	10.951	134254	13.592	160634	15.08
	EPA SAMPLE NO.						
01	BIN0009-DRIVEWAY-TP-WESTSI	391965	11.45	309493	14.09	383464	15.58
02	BIN0009-DRIVEWAY-TP-WESTSI	660496	11.45	401162	14.09	380758	15.58

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: Alliance

Lab Code: ACE SDG NO.: Q2818

Client ID : SSTDCCC040 Date Analyzed: 08/12/2025

Lab File ID: BP025360.D Time Analyzed: 10:07

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	195999	7.796	806810	10.58	510213	14.43
	UPPER LIMIT	391998	8.296	1613620	11.078	1020430	14.931
	LOWER LIMIT	97999.5	7.296	403405	10.078	255107	13.931
	EPA SAMPLE NO.						
01	B-2-5-1	233793	7.80	927693	10.57	559882	14.42
02	B-3-5-2	234324	7.80	947209	10.57	581002	14.43

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: Alliance

Lab Code: ACE SDG NO.: Q2818

Client ID: SSTDCCC040 Date Analyzed: 08/12/2025

Lab File ID: BP025360.D Time Analyzed: 10:07

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	980228	17.225	1004810	21.672	1173450	25.065
	UPPER LIMIT	1960460	17.725	2009620	22.172	2346900	25.565
	LOWER LIMIT	490114	16.725	502405	21.172	586725	24.565
	EPA SAMPLE NO.						
01	B-2-5-1	1060110	17.23	1063640	21.67	1259860	25.07
02	B-3-5-2	1109320	17.23	1089870	21.67	1282540	25.07

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: Alliance

Lab Code: ACE SDG NO.: Q2818

Client ID : SSTDCCC040 Date Analyzed: 08/13/2025

Lab File ID: BP025377.D Time Analyzed: 09:51

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	162911	7.802	673350	10.57	416841	14.43
	UPPER LIMIT	325822	8.302	1346700	11.072	833682	14.925
	LOWER LIMIT	81455.5	7.302	336675	10.072	208421	13.925
	EPA SAMPLE NO.						
01	PB169210BL	188983	7.80	717580	10.57	426281	14.41

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: Alliance

Lab Code: ACE SDG NO.: Q2818

Client ID: SSTDCCC040 Date Analyzed: 08/13/2025

Lab File ID: BP025377.D Time Analyzed: 09:51

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	836446	17.225	867026	21.666	1047430	25.065
	UPPER LIMIT	1672890	17.725	1734050	22.166	2094860	25.565
	LOWER LIMIT	418223	16.725	433513	21.166	523715	24.565
	EPA SAMPLE NO.						
01	PB169210BL	848111	17.21	1035400	21.67	1197800	25.07

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: Alliance

Lab Code: ACE SDG NO.: Q2818

Client ID : SSTDICCC040 Date Analyzed: 08/14/2025

Lab File ID: BP025396.D Time Analyzed: 15:19

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	157704	7.796	663553	10.56	441110	14.41
	UPPER LIMIT	315408	8.296	1327110	11.06	882220	14.907
	LOWER LIMIT	78852	7.296	331777	10.06	220555	13.907
	EPA SAMPLE NO.						
01	PB169210BS	156059	7.79	650560	10.56	435539	14.41

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: Alliance

Lab Code: ACE SDG NO.: Q2818

Client ID: SSTDICCC040 Date Analyzed: 08/14/2025

Lab File ID: BP025396.D Time Analyzed: 15:19

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	884529	17.201	899207	21.648	1022140	25.03
	UPPER LIMIT	1769060	17.701	1798410	22.148	2044280	25.53
	LOWER LIMIT	442265	16.701	449604	21.148	511070	24.53
	EPA SAMPLE NO.						
01	PB169210BS	895607	17.20	937531	21.65	1016820	25.02

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:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	PB169210BL	SDG No.:	Q2818
Lab Sample ID:	PB169210BL	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
BP025378.D	1	08/12/25 09:15	08/13/25 10:32	PB169210

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

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	PB169210BL	SDG No.:	Q2818
Lab Sample ID:	PB169210BL	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
BP025378.D	1	08/12/25 09:15	08/13/25 10:32	PB169210

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

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	PB169210BL	SDG No.:	Q2818
Lab Sample ID:	PB169210BL	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
BP025378.D	1	08/12/25 09:15	08/13/25 10:32	PB169210

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	124		18 - 112	82%	SPK: 150
13127-88-3	Phenol-d6	109		15 - 107	73%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.3		18 - 107	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.2		20 - 109	82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	156		10 - 116	104%	SPK: 150
1718-51-0	Terphenyl-d14	79.4		10 - 105	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	189000	7.802			
1146-65-2	Naphthalene-d8	718000	10.572			
15067-26-2	Acenaphthene-d10	426000	14.413			
1517-22-2	Phenanthrene-d10	848000	17.213			
1719-03-5	Chrysene-d12	1040000	21.672			
1520-96-3	Perylene-d12	1200000	25.071			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	260	A		4.95	ug/Kg

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Report of Analysis

Client:	Earth Engineering Inc.			Date Collected:	
Project:	Reserve Turgyan Farms			Date Received:	
Client Sample ID:	PB169210BL			SDG No.:	Q2818
Lab Sample ID:	PB169210BL			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
BP025378.D	1	08/12/25 09:15	08/13/25 10:32	PB169210

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:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	PB169210BS	SDG No.:	Q2818
Lab Sample ID:	PB169210BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025402.D	1	08/12/25 09:15	08/14/25 20:10	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1000		160	330	ug/Kg
108-95-2	Phenol	1700		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		24.3	170	ug/Kg
95-57-8	2-Chlorophenol	1600		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1700		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		37.5	170	ug/Kg
98-86-2	Acetophenone	1500		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1500		18.3	170	ug/Kg
78-59-1	Isophorone	1500		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1600		58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		28.3	170	ug/Kg
91-20-3	Naphthalene	1500		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	1400		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		25.3	170	ug/Kg
105-60-2	Caprolactam	1600		52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3100	E	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1600		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1600		27.1	170	ug/Kg

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	PB169210BS	SDG No.:	Q2818
Lab Sample ID:	PB169210BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025402.D	1	08/12/25 09:15	08/14/25 20:10	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1600		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	1500		46.0	170	ug/Kg
83-32-9	Acenaphthene	1600		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3700	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	3500	E	110	330	ug/Kg
132-64-9	Dibenzofuran	1500		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		50.1	170	ug/Kg
84-66-2	Diethylphthalate	1600		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		64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		25.3	170	ug/Kg
1912-24-9	Atrazine	1600		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	3200	E	51.3	330	ug/Kg
85-01-8	Phenanthrene	1600		20.9	170	ug/Kg
120-12-7	Anthracene	1600		33.3	170	ug/Kg
86-74-8	Carbazole	1600		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		47.9	170	ug/Kg
206-44-0	Fluoranthene	1600		30.0	170	ug/Kg
129-00-0	Pyrene	1600		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		23.0	170	ug/Kg
218-01-9	Chrysene	1600		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		19.0	170	ug/Kg

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	PB169210BS	SDG No.:	Q2818
Lab Sample ID:	PB169210BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025402.D	1	08/12/25 09:15	08/14/25 20:10	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1600		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	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	1400		45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	136		18 - 112	91%	SPK: 150
13127-88-3	Phenol-d6	138		15 - 107	92%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.6		18 - 107	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.7		20 - 109	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	138		10 - 116	92%	SPK: 150
1718-51-0	Terphenyl-d14	83.1		10 - 105	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	156000	7.79			
1146-65-2	Naphthalene-d8	651000	10.56			
15067-26-2	Acenaphthene-d10	436000	14.413			
1517-22-2	Phenanthrene-d10	896000	17.201			
1719-03-5	Chrysene-d12	938000	21.648			
1520-96-3	Perylene-d12	1020000	25.018			

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:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	BIN0009-DRIVEWAY-TP-WESTSIDEMS	SDG No.:	Q2818
Lab Sample ID:	Q2830-05MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81
Sample Wt/Vol:	50.01 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
BF143367.D	1	08/12/25 09:15	08/13/25 11:12	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	820		120	240	ug/Kg
108-95-2	Phenol	1000		16.4	130	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		18.0	130	ug/Kg
95-57-8	2-Chlorophenol	1100		18.1	130	ug/Kg
95-48-7	2-Methylphenol	1100		22.1	130	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		27.8	130	ug/Kg
98-86-2	Acetophenone	1100		21.8	130	ug/Kg
65794-96-9	3+4-Methylphenols	1000		30.4	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		35.1	59.2	ug/Kg
67-72-1	Hexachloroethane	1200		13.0	130	ug/Kg
98-95-3	Nitrobenzene	1100		13.6	130	ug/Kg
78-59-1	Isophorone	1100		24.3	130	ug/Kg
88-75-5	2-Nitrophenol	1400		43.1	130	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		48.0	130	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		22.8	130	ug/Kg
120-83-2	2,4-Dichlorophenol	1200		21.0	130	ug/Kg
91-20-3	Naphthalene	1100		16.8	130	ug/Kg
106-47-8	4-Chloroaniline	600		26.2	130	ug/Kg
87-68-3	Hexachlorobutadiene	1200		18.7	130	ug/Kg
105-60-2	Caprolactam	1200		38.6	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		21.3	130	ug/Kg
91-57-6	2-Methylnaphthalene	1000		19.0	130	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2800	E	85.9	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1300		14.7	130	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1200		21.6	130	ug/Kg
92-52-4	1,1-Biphenyl	1100		16.1	130	ug/Kg
91-58-7	2-Chloronaphthalene	1100		16.7	130	ug/Kg
88-74-4	2-Nitroaniline	1200		35.6	130	ug/Kg
131-11-3	Dimethylphthalate	1200		20.1	130	ug/Kg

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	BIN0009-DRIVEWAY-TP-WESTSIDEMS	SDG No.:	Q2818
Lab Sample ID:	Q2830-05MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81
Sample Wt/Vol:	50.01 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
BF143367.D	1	08/12/25 09:15	08/13/25 11:12	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1200		21.4	130	ug/Kg
606-20-2	2,6-Dinitrotoluene	1300		24.9	130	ug/Kg
99-09-2	3-Nitroaniline	820		34.1	130	ug/Kg
83-32-9	Acenaphthene	1200		15.8	130	ug/Kg
51-28-5	2,4-Dinitrophenol	2300	E	170	240	ug/Kg
100-02-7	4-Nitrophenol	1900		79.2	240	ug/Kg
132-64-9	Dibenzofuran	1100		16.8	130	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300		37.1	130	ug/Kg
84-66-2	Diethylphthalate	1200		21.0	130	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		19.8	130	ug/Kg
86-73-7	Fluorene	1100		18.7	130	ug/Kg
100-01-6	4-Nitroaniline	1200		47.5	130	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		76.3	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		24.4	130	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		20.6	130	ug/Kg
118-74-1	Hexachlorobenzene	1200		18.7	130	ug/Kg
1912-24-9	Atrazine	1400		25.2	130	ug/Kg
87-86-5	Pentachlorophenol	2300	E	38.0	240	ug/Kg
85-01-8	Phenanthrene	1100		15.5	130	ug/Kg
120-12-7	Anthracene	1100		24.7	130	ug/Kg
86-74-8	Carbazole	1100		23.1	130	ug/Kg
84-74-2	Di-n-butylphthalate	1600		35.5	130	ug/Kg
206-44-0	Fluoranthene	1200		22.2	130	ug/Kg
129-00-0	Pyrene	870		26.7	130	ug/Kg
85-68-7	Butylbenzylphthalate	1800		52.9	130	ug/Kg
91-94-1	3,3-Dichlorobenzidine	960		27.2	240	ug/Kg
56-55-3	Benzo(a)anthracene	1100		17.0	130	ug/Kg
218-01-9	Chrysene	1100		14.7	130	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		43.8	130	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		64.3	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		14.1	130	ug/Kg

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	BIN0009-DRIVEWAY-TP-WESTSIDEMS	SDG No.:	Q2818
Lab Sample ID:	Q2830-05MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81
Sample Wt/Vol:	50.01 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
BF143367.D	1	08/12/25 09:15	08/13/25 11:12	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1100		16.6	130	ug/Kg
50-32-8	Benzo(a)pyrene	1200		21.8	130	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		21.6	130	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		20.3	130	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		19.0	130	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		19.0	130	ug/Kg
123-91-1	1,4-Dioxane	980		33.5	130	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		20.3	130	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	95.7		18 - 112	64%	SPK: 150
13127-88-3	Phenol-d6	95.4		15 - 107	64%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.4		18 - 107	75%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.9		20 - 109	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	121		10 - 116	81%	SPK: 150
1718-51-0	Terphenyl-d14	58.4		10 - 105	58%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	138000	6.928			
1146-65-2	Naphthalene-d8	517000	8.21			
15067-26-2	Acenaphthene-d10	273000	9.963			
1517-22-2	Phenanthrene-d10	392000	11.451			
1719-03-5	Chrysene-d12	309000	14.092			
1520-96-3	Perylene-d12	383000	15.58			

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:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	BIN0009-DRIVEWAY-TP-WESTSIDEMSD	SDG No.:	Q2818
Lab Sample ID:	Q2830-05MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81
Sample Wt/Vol:	50.03 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
BF143368.D	1	08/12/25 09:15	08/13/25 11:42	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	870		120	240	ug/Kg
108-95-2	Phenol	1100		16.4	130	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		18.0	130	ug/Kg
95-57-8	2-Chlorophenol	1200		18.1	130	ug/Kg
95-48-7	2-Methylphenol	1200		22.1	130	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		27.8	130	ug/Kg
98-86-2	Acetophenone	1100		21.8	130	ug/Kg
65794-96-9	3+4-Methylphenols	1100		30.4	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		35.1	59.2	ug/Kg
67-72-1	Hexachloroethane	1200		13.0	130	ug/Kg
98-95-3	Nitrobenzene	1200		13.5	130	ug/Kg
78-59-1	Isophorone	1200		24.3	130	ug/Kg
88-75-5	2-Nitrophenol	1400		43.1	130	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		48.0	130	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1200		22.8	130	ug/Kg
120-83-2	2,4-Dichlorophenol	1200		21.0	130	ug/Kg
91-20-3	Naphthalene	1100		16.8	130	ug/Kg
106-47-8	4-Chloroaniline	550		26.2	130	ug/Kg
87-68-3	Hexachlorobutadiene	1100		18.7	130	ug/Kg
105-60-2	Caprolactam	1500		38.6	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1300		21.2	130	ug/Kg
91-57-6	2-Methylnaphthalene	1000		19.0	130	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2700	E	85.9	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1300		14.7	130	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1200		21.5	130	ug/Kg
92-52-4	1,1-Biphenyl	1100		16.1	130	ug/Kg
91-58-7	2-Chloronaphthalene	1100		16.7	130	ug/Kg
88-74-4	2-Nitroaniline	1300		35.6	130	ug/Kg
131-11-3	Dimethylphthalate	1300		20.1	130	ug/Kg

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	BIN0009-DRIVEWAY-TP-WESTSIDEMSD	SDG No.:	Q2818
Lab Sample ID:	Q2830-05MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81
Sample Wt/Vol:	50.03 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
BF143368.D	1	08/12/25 09:15	08/13/25 11:42	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1200		21.4	130	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		24.9	130	ug/Kg
99-09-2	3-Nitroaniline	990		34.1	130	ug/Kg
83-32-9	Acenaphthene	1200		15.8	130	ug/Kg
51-28-5	2,4-Dinitrophenol	2700	E	170	240	ug/Kg
100-02-7	4-Nitrophenol	2400	E	79.2	240	ug/Kg
132-64-9	Dibenzofuran	1100		16.8	130	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		37.1	130	ug/Kg
84-66-2	Diethylphthalate	1400		21.0	130	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1200		19.8	130	ug/Kg
86-73-7	Fluorene	1100		18.7	130	ug/Kg
100-01-6	4-Nitroaniline	1500		47.5	130	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		76.3	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		24.4	130	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		20.6	130	ug/Kg
118-74-1	Hexachlorobenzene	1100		18.7	130	ug/Kg
1912-24-9	Atrazine	1400		25.2	130	ug/Kg
87-86-5	Pentachlorophenol	2500	E	38.0	240	ug/Kg
85-01-8	Phenanthrene	1100		15.5	130	ug/Kg
120-12-7	Anthracene	1100		24.7	130	ug/Kg
86-74-8	Carbazole	1100		23.1	130	ug/Kg
84-74-2	Di-n-butylphthalate	1700		35.5	130	ug/Kg
206-44-0	Fluoranthene	1300		22.2	130	ug/Kg
129-00-0	Pyrene	1200		26.7	130	ug/Kg
85-68-7	Butylbenzylphthalate	2300	E	52.9	130	ug/Kg
91-94-1	3,3-Dichlorobenzidine	860		27.2	240	ug/Kg
56-55-3	Benzo(a)anthracene	1100		17.0	130	ug/Kg
218-01-9	Chrysene	1200		14.7	130	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2000		43.8	130	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		64.3	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		14.1	130	ug/Kg

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	BIN0009-DRIVEWAY-TP-WESTSIDEMSD	SDG No.:	Q2818
Lab Sample ID:	Q2830-05MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81
Sample Wt/Vol:	50.03 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
BF143368.D	1	08/12/25 09:15	08/13/25 11:42	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1300		16.6	130	ug/Kg
50-32-8	Benzo(a)pyrene	1200		21.8	130	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		21.5	130	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1200		20.3	130	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		19.0	130	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		19.0	130	ug/Kg
123-91-1	1,4-Dioxane	980		33.5	130	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		20.3	130	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	97.8		18 - 112	65%	SPK: 150
13127-88-3	Phenol-d6	101		15 - 107	67%	SPK: 150
4165-60-0	Nitrobenzene-d5	77.3		18 - 107	77%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.9		20 - 109	66%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		10 - 116	95%	SPK: 150
1718-51-0	Terphenyl-d14	77.5		10 - 105	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	182000	6.928			
1146-65-2	Naphthalene-d8	708000	8.21			
15067-26-2	Acenaphthene-d10	401000	9.969			
1517-22-2	Phenanthrene-d10	660000	11.451			
1719-03-5	Chrysene-d12	401000	14.092			
1520-96-3	Perylene-d12	381000	15.58			

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-BF081225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Aug 12 13:25:39 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF143343.D 5 =BF143344.D 10 =BF143345.D 20 =BF143346.D 40 =BF143347.D 50 =BF143348.D 60 =BF143349.D 80 =BF1433
50.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.606	0.582	0.614	0.596	0.592	0.612	0.586	0.598	2.12
3)		Pyridine		1.476	1.573	1.597	1.615	1.623	1.668	1.613	1.595	3.75
4)		n-Nitrosodimet...			0.686	0.711	0.759	0.762	0.776	0.764	0.743	4.80
5)	S	2-Fluorophenol		1.155	1.170	1.207	1.179	1.143	1.151	1.090	1.157	3.15
6)		Aniline		2.162	2.139	2.178	2.119	2.029	2.057	1.954	2.091	3.88
7)	S	Phenol-d6		1.527	1.505	1.541	1.500	1.447	1.475	1.386	1.483	3.58
8)		2-Chlorophenol		1.167	1.215	1.272	1.259	1.240	1.271	1.227	1.236	3.01
9)		Benzaldehyde			1.109	1.106	1.011	0.875	0.800		0.980	14.15
10)	C	Phenol		1.823	1.791	1.843	1.783	1.721	1.734	1.604	1.757	4.56
11)		bis(2-Chloroet...		1.357	1.304	1.333	1.306	1.252	1.279	1.235	1.295	3.34
12)		1,3-Dichlorobe...		1.551	1.479	1.482	1.432	1.364	1.386	1.285	1.425	6.21
13)	C	1,4-Dichlorobe...		1.576	1.510	1.485	1.414	1.370	1.366	1.294	1.431	6.82
14)		1,2-Dichlorobe...		1.486	1.416	1.407	1.347	1.295	1.309	1.247	1.358	6.09
15)		Benzyl Alcohol			0.980	1.069	1.088	1.066	1.097	1.079	1.063	3.98
16)		2,2'-oxybis(1-...		2.521	2.408	2.435	2.317	2.214	2.224	2.065	2.312	6.76
17)		2-Methylphenol		1.017	1.038	1.077	1.064	1.036	1.059	1.012	1.043	2.35
18)		Hexachloroethane		0.425	0.433	0.460	0.462	0.449	0.466	0.444	0.449	3.42
19)	P	n-Nitroso-di-n...	0.956	0.992	0.942	0.957	0.910	0.863	0.875	0.837	0.916	5.89
20)		3+4-Methylphenols			1.331	1.373	1.288	1.227	1.227	1.125	1.262	7.00
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.500	0.478	0.475	0.429	0.404	0.417	0.381	0.441	9.98
23)	S	Nitrobenzene-d5		0.277	0.304	0.339	0.336	0.328	0.341	0.324	0.321	7.17
24)		Nitrobenzene		0.322	0.329	0.366	0.359	0.352	0.367	0.347	0.349	5.02
25)		Isophorone		0.692	0.662	0.683	0.645	0.627	0.651	0.630	0.656	3.79
26)	C	2-Nitrophenol		0.069	0.085	0.109	0.126	0.134	0.151	0.150	0.118	26.89
27)		2,4-Dimethylph...		0.259	0.261	0.288	0.279	0.275	0.285	0.267	0.274	4.15
28)		bis(2-Chloroet...		0.424	0.410	0.425	0.396	0.383	0.396	0.369	0.400	5.19
29)	C	2,4-Dichloroph...		0.243	0.256	0.286	0.275	0.270	0.279	0.262	0.267	5.54
30)		1,2,4-Trichlor...		0.299	0.290	0.299	0.277	0.269	0.278	0.260	0.282	5.30
31)		Naphthalene		1.083	1.023	1.029	0.944	0.901	0.917	0.839	0.962	8.88
32)		Benzoic acid			0.069	0.085	0.108	0.120	0.136	0.142	0.110	25.83
33)		4-Chloroaniline		0.362	0.350	0.367	0.345	0.334	0.345	0.326	0.347	4.13
34)	C	Hexachlorobuta...		0.185	0.181	0.187	0.175	0.166	0.171	0.161	0.175	5.49
35)		Caprolactam			0.061	0.073	0.079	0.078	0.081	0.079	0.075	9.95
36)	C	4-Chloro-3-met...		0.270	0.274	0.296	0.286	0.279	0.286	0.270	0.280	3.54
37)		2-Methylnaphth...		0.720	0.673	0.681	0.622	0.591	0.593	0.548	0.633	9.63
38)		1-Methylnaphth...		0.690	0.654	0.653	0.595	0.568	0.574	0.531	0.609	9.38

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF081225.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.588	0.566	0.575	0.542	0.524	0.537	0.499	0.547	5.66
41)	P	Hexachlorocycl...		0.088	0.130	0.167	0.172	0.192	0.201	0.158	26.72
42)	S	2,4,6-Tribromo...	0.105	0.127	0.149	0.160	0.160	0.164	0.159	0.146	15.13
43)	C	2,4,6-Trichlor...	0.242	0.272	0.316	0.334	0.328	0.343	0.338	0.311	12.43
44)		2,4,5-Trichlor...	0.307	0.308	0.366	0.377	0.364	0.370	0.361	0.351	8.48
45)	S	2-Fluorobiphenyl	1.444	1.332	1.285	1.132	1.060	1.052	0.951	1.179	15.06
46)		1,1'-Biphenyl	1.613	1.506	1.516	1.389	1.317	1.335	1.223	1.414	9.63
47)		2-Chloronaphth...	1.216	1.176	1.180	1.095	1.046	1.081	1.003	1.114	7.06
48)		2-Nitroaniline	0.188	0.223	0.279	0.309	0.321	0.336	0.330	0.284	20.23
49)		Acenaphthylene	1.759	1.682	1.719	1.588	1.525	1.541	1.444	1.608	7.13
50)		Dimethylphthalate	1.160	1.178	1.244	1.180	1.144	1.171	1.103	1.169	3.66
51)		2,6-Dinitrotol...	0.125	0.147	0.188	0.213	0.219	0.234	0.228	0.193	21.87
52)	C	Acenaphthene	1.208	1.127	1.121	1.054	1.012	1.017	0.945	1.069	8.28
53)		3-Nitroaniline	0.159	0.193	0.250	0.261	0.265	0.281	0.266	0.239	18.92
54)	P	2,4-Dinitrophenol		0.030	0.046	0.066	0.073	0.086	0.092	0.065	36.52
55)		Dibenzofuran	1.757	1.641	1.634	1.511	1.438	1.446	1.346	1.539	9.33
56)	P	4-Nitrophenol		0.096	0.147	0.173	0.180	0.194	0.190	0.163	22.52
57)		2,4-Dinitrotol...	0.154	0.191	0.257	0.289	0.296	0.308	0.297	0.256	23.42
58)		Fluorene	1.381	1.288	1.251	1.142	1.091	1.089	0.986	1.175	11.65
59)		2,3,4,6-Tetrac...	0.172	0.188	0.236	0.255	0.258	0.276	0.270	0.236	17.33
60)		Diethylphthalate	1.011	1.061	1.132	1.081	1.037	1.031	0.974	1.047	4.84
61)		4-Chlorophenyl...	0.645	0.601	0.600	0.563	0.533	0.536	0.498	0.568	8.84
62)		4-Nitroaniline	0.174	0.202	0.253	0.249	0.248	0.253	0.242	0.232	13.40
63)		Azobenzene	1.302	1.228	1.285	1.193	1.147	1.149	1.065	1.196	6.99
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.036	0.054	0.071	0.077	0.087	0.091	0.069	29.75
66)	c	n-Nitrosodiphe...	0.693	0.670	0.674	0.655	0.639	0.651	0.627	0.659	3.38
67)		4-Bromophenyl-...	0.232	0.222	0.232	0.231	0.227	0.231	0.226	0.229	1.65
68)		Hexachlorobenzene	0.258	0.249	0.250	0.244	0.237	0.248	0.240	0.247	2.76
69)		Atrazine	0.147	0.157	0.187	0.178	0.180	0.182	0.173	0.172	8.45
70)	C	Pentachlorophenol		0.058	0.087	0.108	0.113	0.120	0.122	0.101	24.06
71)		Phenanthrene	1.214	1.159	1.156	1.081	1.022	1.034	0.973	1.091	8.02
72)		Anthracene	1.225	1.168	1.184	1.088	1.043	1.057	0.980	1.107	7.97
73)		Carbazole	1.049	1.000	1.017	0.934	0.879	0.893	0.825	0.942	8.71
74)		Di-n-butylphth...	0.674	0.739	0.889	0.864	0.819	0.817	0.780	0.798	9.24
75)	C	Fluoranthene	1.120	1.054	1.051	0.917	0.873	0.856	0.820	0.956	12.27
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.541	0.653	0.591	0.549	0.511	0.434	0.547	13.50
78)		Pyrene	1.924	1.963	1.910	1.661	1.513	1.460	1.315	1.678	15.44
79)	S	Terphenyl-d14	1.337	1.346	1.297	1.089	0.976	0.957	0.841	1.120	18.44
80)		Butylbenzylpht...	0.179	0.208	0.272	0.303	0.320	0.346	0.359	0.284	24.15
81)		Benzo(a)anthra...	1.335	1.224	1.339	1.258	1.229	1.309	1.205	1.271	4.37
82)		3,3'-Dichlorob...		0.255	0.327	0.364	0.374	0.382	0.358	0.343	13.77
83)		Chrysene	1.270	1.249	1.199	1.175	1.163	1.143	1.098	1.185	5.06
84)		Bis(2-ethylhex...	0.228	0.277	0.348	0.441	0.478	0.520	0.531	0.403	29.82
85)	c	Di-n-octyl pht...		0.545	0.692	0.888	0.945	1.045	1.047	0.860	23.52

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF081225.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.401	1.455	1.479	1.449	1.392	1.443	1.411	1.433	2.24
88)		Benzo(b)fluora...	1.172	1.027	1.092	1.118	1.046	1.147	1.054	1.094	4.98
89)		Benzo(k)fluora...	1.064	1.080	1.158	1.036	1.053	1.022	1.027	1.063	4.41
90)	C	Benzo(a)pyrene	1.049	1.011	1.060	1.033	1.012	1.039	1.008	1.030	1.99
91)		Dibenzo(a,h)an...	1.129	1.162	1.184	1.170	1.119	1.155	1.094	1.145	2.77
92)		Benzo(g,h,i)pe...	1.108	1.192	1.188	1.169	1.124	1.168	1.123	1.153	2.94

(#) = Out of Range

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP080525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 06 06:41:44 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP025298.D 5 =BP025299.D 10 =BP025300.D 20 =BP025301.D 40 =BP025302.D 50 =BP025303.D 60 =BP025304.D 80 =BP0253
05.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.536	0.502	0.479	0.481	0.495	0.482	0.460	0.491	4.85
3)		Pyridine		1.368	1.344	1.341	1.340	1.407	1.397	1.347	1.363	2.06
4)		n-Nitrosodimet...			0.607	0.627	0.611	0.661	0.656	0.636	0.633	3.51
5)	S	2-Fluorophenol	1.187	1.248	1.220	1.251	1.233	1.297	1.287	1.225	1.244	2.88
6)		Aniline		2.182	2.099	2.208	2.218	2.385	2.403	2.231	2.247	4.88
7)	S	Phenol-d6	1.535	1.587	1.583	1.648	1.632	1.734	1.744	1.629	1.637	4.44
8)		2-Chlorophenol		1.251	1.264	1.355	1.350	1.451	1.463	1.394	1.361	6.09
9)		Benzaldehyde			1.132	1.083	1.402	1.409	1.095	0.852	1.162	18.31
10)	C	Phenol		1.694	1.677	1.728	1.731	1.844	1.859	1.725	1.751	4.08
11)		bis(2-Chloroet...		1.389	1.311	1.360	1.337	1.440	1.440	1.328	1.372	3.83
12)		1,3-Dichlorobe...		1.591	1.515	1.526	1.473	1.575	1.556	1.469	1.529	3.13
13)	C	1,4-Dichlorobe...		1.613	1.509	1.536	1.508	1.601	1.579	1.484	1.547	3.27
14)		1,2-Dichlorobe...		1.562	1.451	1.490	1.455	1.551	1.538	1.445	1.499	3.39
15)		Benzyl Alcohol			1.130	1.229	1.244	1.359	1.381	1.268	1.269	7.25
16)		2,2'-oxybis(1-...		2.272	2.091	2.159	2.107	2.251	2.258	2.033	2.167	4.37
17)		2-Methylphenol		1.093	1.085	1.156	1.176	1.253	1.264	1.175	1.172	5.95
18)		Hexachloroethane		0.563	0.532	0.540	0.540	0.572	0.577	0.550	0.553	3.17
19)	P	n-Nitroso-di-n...	0.989	1.103	1.026	1.062	1.080	1.146	1.171	1.024	1.075	5.84
20)		3+4-Methylphenols			1.447	1.566	1.587	1.713	1.754	1.613	1.613	6.80
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.524	0.498	0.510	0.493	0.517	0.501	0.472	0.502	3.44
23)	S	Nitrobenzene-d5	0.300	0.324	0.334	0.375	0.374	0.407	0.394	0.379	0.361	10.24
24)		Nitrobenzene		0.311	0.312	0.347	0.344	0.373	0.359	0.346	0.342	6.69
25)		Isophorone		0.727	0.682	0.702	0.713	0.759	0.756	0.691	0.719	4.22
26)	C	2-Nitrophenol		0.082	0.085	0.115	0.128	0.149	0.156	0.163	0.126	26.35
27)		2,4-Dimethylph...		0.380	0.319	0.308	0.324	0.342	0.335	0.311	0.331	7.40
28)		bis(2-Chloroet...		0.457	0.415	0.437	0.431	0.457	0.450	0.413	0.437	4.28
29)	C	2,4-Dichloroph...		0.249	0.259	0.293	0.296	0.317	0.315	0.300	0.290	9.05
30)		1,2,4-Trichlor...		0.328	0.312	0.324	0.312	0.334	0.321	0.309	0.320	2.92
31)		Naphthalene		1.093	1.014	1.044	1.017	1.075	1.049	0.977	1.038	3.77
32)		Benzoic acid			0.070	0.127	0.169	0.191	0.217	0.233	0.168	36.22
33)		4-Chloroaniline		0.449	0.435	0.460	0.459	0.495	0.482	0.453	0.462	4.41
34)	C	Hexachlorobuta...		0.191	0.178	0.185	0.180	0.188	0.185	0.180	0.184	2.60
35)		Caprolactam			0.095	0.105	0.115	0.122	0.124	0.113	0.113	9.54
36)	C	4-Chloro-3-met...		0.310	0.303	0.327	0.341	0.368	0.363	0.338	0.336	7.31
37)		2-Methylnaphth...		0.697	0.653	0.665	0.656	0.701	0.688	0.644	0.672	3.41
38)		1-Methylnaphth...		0.742	0.683	0.703	0.684	0.739	0.706	0.650	0.701	4.63

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP080525.M

39)	I	Acenaphthene-d10	----------ISTD----------									
40)		1,2,4,5-Tetrac...		0.551	0.530	0.564	0.547	0.557	0.542	0.532	0.546	2.32
41)	P	Hexachlorocycl...			0.291	0.324	0.331	0.358	0.355	0.363	0.337	8.13
42)	S	2,4,6-Tribromo...	0.151	0.171	0.182	0.210	0.212	0.229	0.225	0.215	0.200	14.11
43)	C	2,4,6-Trichlor...		0.279	0.301	0.359	0.367	0.395	0.386	0.383	0.353	12.75
44)		2,4,5-Trichlor...		0.310	0.342	0.408	0.412	0.437	0.438	0.423	0.396	12.56
45)	S	2-Fluorobiphenyl	1.502	1.551	1.453	1.479	1.444	1.464	1.389	1.303	1.448	5.17
46)		1,1'-Biphenyl		1.518	1.461	1.524	1.449	1.517	1.454	1.395	1.474	3.26
47)		2-Chloronaphth...		1.138	1.098	1.157	1.106	1.159	1.124	1.089	1.124	2.50
48)		2-Nitroaniline		0.187	0.212	0.287	0.308	0.344	0.341	0.337	0.288	22.33
49)		Acenaphthylene		1.859	1.841	1.901	1.868	1.971	1.890	1.800	1.876	2.86
50)		Dimethylphthalate		1.522	1.403	1.470	1.431	1.532	1.474	1.373	1.458	4.05
51)		2,6-Dinitrotol...		0.178	0.217	0.278	0.287	0.308	0.309	0.304	0.269	19.03
52)	C	Acenaphthene		1.164	1.120	1.156	1.114	1.201	1.147	1.107	1.144	2.92
53)		3-Nitroaniline		0.217	0.256	0.317	0.333	0.362	0.360	0.359	0.315	18.17
54)	P	2,4-Dinitrophenol			0.059	0.080	0.095	0.117	0.129	0.149	0.105	31.45
55)		Dibenzofuran		1.804	1.711	1.735	1.681	1.762	1.700	1.574	1.710	4.25
56)	P	4-Nitrophenol			0.199	0.270	0.284	0.308	0.308	0.298	0.278	14.89
57)		2,4-Dinitrotol...		0.213	0.257	0.361	0.390	0.431	0.432	0.430	0.359	25.01
58)		Fluorene		1.500	1.398	1.379	1.316	1.360	1.284	1.163	1.343	7.79
59)		2,3,4,6-Tetrac...		0.262	0.286	0.339	0.344	0.366	0.366	0.351	0.331	12.26
60)		Diethylphthalate		1.518	1.416	1.498	1.440	1.528	1.508	1.381	1.470	3.91
61)		4-Chlorophenyl...		0.722	0.638	0.651	0.631	0.642	0.614	0.558	0.637	7.67
62)		4-Nitroaniline		0.227	0.263	0.324	0.338	0.348	0.344	0.339	0.312	15.24
63)		Azobenzene		1.412	1.340	1.375	1.351	1.400	1.376	1.306	1.366	2.67
64)	I	Phenanthrene-d10	----------ISTD----------									
65)		4,6-Dinitro-2-...			0.041	0.063	0.075	0.093	0.102	0.107	0.080	31.69
66)	c	n-Nitrosodiphe...		0.606	0.601	0.618	0.605	0.638	0.624	0.572	0.609	3.40
67)		4-Bromophenyl-...		0.200	0.194	0.202	0.199	0.211	0.208	0.194	0.201	3.31
68)		Hexachlorobenzene		0.232	0.222	0.224	0.220	0.233	0.231	0.218	0.226	2.78
69)		Atrazine		0.201	0.199	0.218	0.212	0.231	0.229	0.209	0.214	5.78
70)	C	Pentachlorophenol			0.104	0.139	0.144	0.161	0.160	0.156	0.144	14.88
71)		Phenanthrene		1.161	1.101	1.097	1.073	1.132	1.097	1.007	1.095	4.40
72)		Anthracene		1.104	1.093	1.129	1.095	1.151	1.143	1.017	1.105	4.08
73)		Carbazole		1.062	1.069	1.086	1.052	1.101	1.067	0.985	1.060	3.46
74)		Di-n-butylphth...		1.198	1.188	1.337	1.290	1.376	1.369	1.221	1.283	6.30
75)	C	Fluoranthene		1.321	1.288	1.291	1.252	1.314	1.268	1.143	1.268	4.74
76)	I	Chrysene-d12	----------ISTD----------									
77)		Benzidine			0.668	0.762	0.970	0.726	0.642	0.574	0.724	18.96
78)		Pyrene		1.321	1.314	1.350	1.289	1.406	1.348	1.282	1.330	3.21
79)	S	Terphenyl-d14	1.060	1.140	1.083	1.096	1.046	1.082	1.017	0.947	1.059	5.47
80)		Butylbenzylpht...		0.399	0.413	0.554	0.565	0.627	0.631	0.586	0.539	17.70
81)		Benzo(a)anthra...		1.346	1.308	1.357	1.302	1.382	1.349	1.260	1.329	3.11
82)		3,3'-Dichlorob...			0.414	0.484	0.473	0.501	0.481	0.461	0.469	6.39
83)		Chrysene		1.257	1.193	1.257	1.217	1.289	1.250	1.165	1.233	3.49
84)		Bis(2-ethylhex...		0.735	0.713	0.903	0.892	0.939	0.965	0.882	0.861	11.39
85)	c	Di-n-octyl pht...			1.011	1.434	1.502	1.543	1.634	1.526	1.442	15.32

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP080525.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.374	1.302	1.436	1.443	1.546	1.494	1.440	1.434	5.50
88)		Benzo(b)fluora...	1.182	1.151	1.194	1.179	1.290	1.217	1.168	1.197	3.82
89)		Benzo(k)fluora...	1.191	1.145	1.189	1.171	1.264	1.210	1.139	1.187	3.56
90)	C	Benzo(a)pyrene	1.116	1.108	1.148	1.151	1.229	1.190	1.129	1.153	3.74
91)		Dibenzo(a,h)an...	1.135	1.077	1.166	1.185	1.261	1.219	1.175	1.174	5.02
92)		Benzo(g,h,i)pe...	1.126	1.051	1.149	1.153	1.243	1.186	1.157	1.152	5.04

(#) = Out of Range

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP025392.D 5 =BP025393.D 10 =BP025394.D 20 =BP025395.D 40 =BP025396.D 50 =BP025397.D 60 =BP025398.D 80 =BP0253
99.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.520	0.464	0.475	0.445	0.479	0.462	0.458	0.472	5.07
3)		Pyridine		1.446	1.250	1.256	1.220	1.317	1.281	1.268	1.291	5.77
4)		n-Nitrosodimet...			0.515	0.512	0.511	0.559	0.555	0.541	0.532	4.13
5)	S	2-Fluorophenol		1.232	1.177	1.194	1.162	1.240	1.226	1.199	1.204	2.42
6)		Aniline		2.098	1.962	2.030	2.020	2.194	2.164	2.094	2.080	3.96
7)	S	Phenol-d6		1.483	1.467	1.533	1.513	1.641	1.609	1.563	1.544	4.16
8)		2-Chlorophenol		1.351	1.283	1.347	1.313	1.428	1.414	1.378	1.359	3.83
9)		Benzaldehyde			0.987	0.956	1.366	1.262	1.005	0.915	1.082	17.12
10)	C	Phenol		1.594	1.529	1.613	1.575	1.707	1.688	1.635	1.620	3.87
11)		bis(2-Chloroet...		1.283	1.183	1.273	1.222	1.321	1.303	1.255	1.263	3.78
12)		1,3-Dichlorobe...		1.532	1.433	1.503	1.443	1.555	1.530	1.493	1.499	3.07
13)	C	1,4-Dichlorobe...		1.587	1.490	1.527	1.467	1.596	1.544	1.510	1.532	3.12
14)		1,2-Dichlorobe...		1.558	1.430	1.491	1.431	1.533	1.487	1.449	1.483	3.35
15)		Benzyl Alcohol			1.138	1.205	1.193	1.287	1.289	1.250	1.227	4.83
16)		2,2'-oxybis(1-...		1.762	1.592	1.712	1.620	1.751	1.740	1.665	1.692	3.96
17)		2-Methylphenol		1.075	1.030	1.123	1.107	1.198	1.191	1.154	1.125	5.41
18)		Hexachloroethane		0.577	0.544	0.552	0.545	0.588	0.578	0.559	0.563	3.13
19)	P	n-Nitroso-di-n...	1.014	1.066	0.959	1.056	0.992	1.053	1.042	1.000	1.023	3.68
20)		3+4-Methylphenols			1.442	1.533	1.525	1.639	1.640	1.580	1.560	4.87
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.515	0.487	0.506	0.485	0.523	0.506	0.488	0.502	2.96
23)	S	Nitrobenzene-d5		0.395	0.376	0.392	0.383	0.419	0.408	0.394	0.395	3.65
24)		Nitrobenzene		0.350	0.342	0.348	0.344	0.375	0.362	0.352	0.353	3.21
25)		Isophorone		0.734	0.672	0.700	0.674	0.730	0.709	0.680	0.700	3.70
26)	C	2-Nitrophenol		0.167	0.163	0.177	0.181	0.197	0.195	0.190	0.181	7.43
27)		2,4-Dimethylph...		0.303	0.303	0.296	0.308	0.336	0.325	0.313	0.312	4.46
28)		bis(2-Chloroet...		0.443	0.407	0.425	0.407	0.439	0.430	0.410	0.423	3.61
29)	C	2,4-Dichloroph...		0.293	0.293	0.308	0.305	0.331	0.324	0.314	0.310	4.71
30)		1,2,4-Trichlor...		0.357	0.329	0.335	0.327	0.354	0.344	0.332	0.340	3.61
31)		Naphthalene		1.069	1.020	1.037	1.000	1.087	1.052	1.011	1.040	3.06
32)		Benzoic acid			0.188	0.207	0.227	0.249	0.255	0.255	0.230	12.20
33)		4-Chloroaniline		0.453	0.435	0.447	0.452	0.492	0.478	0.458	0.459	4.19
34)	C	Hexachlorobuta...		0.222	0.205	0.211	0.205	0.218	0.213	0.207	0.211	3.05
35)		Caprolactam			0.114	0.110	0.109	0.120	0.116	0.113	0.114	3.67
36)	C	4-Chloro-3-met...		0.366	0.335	0.347	0.346	0.373	0.368	0.353	0.355	3.85
37)		2-Methylnaphth...		0.716	0.653	0.678	0.652	0.700	0.682	0.654	0.676	3.69
38)		1-Methylnaphth...		0.777	0.706	0.713	0.686	0.751	0.719	0.685	0.719	4.67

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081425.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.578	0.559	0.585	0.560	0.610	0.581	0.571	0.578	3.00
41)	P	Hexachlorocycl...		0.274	0.313	0.348	0.387	0.388	0.383	0.349	13.46
42)	S	2,4,6-Tribromo...	0.266	0.259	0.267	0.263	0.286	0.275	0.268	0.269	3.39
43)	C	2,4,6-Trichlor...	0.368	0.364	0.381	0.382	0.421	0.408	0.405	0.390	5.56
44)		2,4,5-Trichlor...	0.417	0.385	0.424	0.424	0.457	0.448	0.437	0.427	5.52
45)	S	2-Fluorobiphenyl	1.558	1.483	1.507	1.392	1.517	1.435	1.351	1.463	5.04
46)		1,1'-Biphenyl	1.495	1.418	1.457	1.408	1.537	1.445	1.407	1.453	3.37
47)		2-Chloronaphth...	1.152	1.093	1.144	1.101	1.184	1.142	1.100	1.131	2.99
48)		2-Nitroaniline	0.301	0.306	0.317	0.330	0.360	0.351	0.341	0.329	6.85
49)		Acenaphthylene	1.907	1.806	1.848	1.806	1.992	1.907	1.832	1.871	3.63
50)		Dimethylphthalate	1.569	1.449	1.438	1.403	1.512	1.479	1.403	1.465	4.12
51)		2,6-Dinitrotol...	0.297	0.287	0.302	0.309	0.331	0.323	0.311	0.309	4.95
52)	C	Acenaphthene	1.149	1.082	1.100	1.041	1.155	1.106	1.056	1.098	3.93
53)		3-Nitroaniline	0.318	0.329	0.337	0.342	0.384	0.367	0.354	0.347	6.56
54)	P	2,4-Dinitrophenol		0.114	0.140	0.163	0.186	0.192	0.194	0.165	19.83
55)		Dibenzofuran	1.820	1.711	1.737	1.677	1.811	1.729	1.672	1.736	3.40
56)	P	4-Nitrophenol		0.251	0.265	0.279	0.315	0.304	0.298	0.285	8.56
57)		2,4-Dinitrotol...	0.404	0.407	0.431	0.438	0.479	0.471	0.454	0.440	6.61
58)		Fluorene	1.506	1.391	1.390	1.306	1.415	1.330	1.253	1.370	6.02
59)		2,3,4,6-Tetrac...	0.375	0.360	0.366	0.368	0.402	0.392	0.379	0.377	4.01
60)		Diethylphthalate	1.615	1.475	1.465	1.434	1.540	1.459	1.430	1.488	4.48
61)		4-Chlorophenyl...	0.761	0.684	0.679	0.651	0.690	0.671	0.634	0.681	5.91
62)		4-Nitroaniline	0.341	0.336	0.349	0.351	0.387	0.370	0.359	0.356	4.89
63)		Azobenzene	1.315	1.226	1.274	1.237	1.341	1.301	1.227	1.274	3.62
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.096	0.113	0.123	0.139	0.139	0.138	0.125	14.21
66)	c	n-Nitrosodiphe...	0.636	0.603	0.607	0.591	0.634	0.605	0.594	0.610	2.99
67)		4-Bromophenyl-...	0.233	0.206	0.217	0.213	0.230	0.223	0.218	0.220	4.34
68)		Hexachlorobenzene	0.264	0.253	0.254	0.242	0.264	0.257	0.251	0.255	3.06
69)		Atrazine	0.229	0.226	0.228	0.218	0.240	0.229	0.229	0.228	2.74
70)	C	Pentachlorophenol		0.135	0.154	0.157	0.177	0.171	0.172	0.161	9.76
71)		Phenanthrene	1.162	1.101	1.111	1.040	1.135	1.085	1.057	1.099	3.88
72)		Anthracene	1.161	1.124	1.133	1.079	1.175	1.101	1.080	1.122	3.37
73)		Carbazole	1.079	1.052	1.074	1.007	1.111	1.053	1.022	1.057	3.32
74)		Di-n-butylphth...	1.345	1.255	1.332	1.244	1.374	1.285	1.265	1.300	3.86
75)	C	Fluoranthene	1.370	1.323	1.348	1.228	1.361	1.286	1.258	1.311	4.13
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.642	0.642	0.967	0.664	0.608	0.573	0.683	20.94
78)		Pyrene	1.398	1.261	1.287	1.274	1.320	1.319	1.241	1.300	4.00
79)	S	Terphenyl-d14	1.249	1.100	1.097	1.045	1.100	1.061	0.999	1.093	7.15
80)		Butylbenzylpht...	0.589	0.557	0.592	0.579	0.614	0.616	0.578	0.589	3.55
81)		Benzo(a)anthra...	1.384	1.302	1.313	1.268	1.359	1.333	1.275	1.319	3.21
82)		3,3'-Dichlorob...		0.482	0.507	0.488	0.521	0.506	0.480	0.497	3.31
83)		Chrysene	1.292	1.214	1.249	1.182	1.280	1.243	1.186	1.235	3.49
84)		Bis(2-ethylhex...	0.907	0.826	0.874	0.831	0.901	0.882	0.850	0.867	3.73
85)	c	Di-n-octyl pht...		1.381	1.498	1.444	1.572	1.563	1.491	1.492	4.84

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081425.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.454	1.385	1.440	1.411	1.569	1.522	1.486	1.467	4.36
88)		Benzo(b)fluora...	1.203	1.126	1.171	1.134	1.250	1.197	1.175	1.179	3.60
89)		Benzo(k)fluora...	1.202	1.157	1.200	1.130	1.226	1.206	1.141	1.180	3.16
90)	C	Benzo(a)pyrene	1.139	1.093	1.150	1.108	1.219	1.185	1.141	1.148	3.77
91)		Dibenzo(a,h)an...	1.180	1.125	1.179	1.156	1.290	1.244	1.216	1.199	4.64
92)		Benzo(g,h,i)pe...	1.162	1.118	1.169	1.138	1.248	1.220	1.192	1.178	3.86

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG No.: Q2818

Instrument ID: BNA_F Calibration Date/Time: 08/13/2025 10:00

Lab File ID: BF143365.D Init. Calib. Date(s): 08/12/2025 08/12/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:03 12:38

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.157	1.077		-6.9	
Benzaldehyde	0.980	0.870		-11.2	
Phenol-d6	1.483	1.334		-10.0	
Phenol	1.757	1.609		-8.4	20.0
bis(2-Chloroethyl)ether	1.295	1.200		-7.3	
2-Chlorophenol	1.236	1.195		-3.3	
2-Methylphenol	1.043	0.939		-10.0	
2,2-oxybis(1-Chloropropane)	2.312	2.149		-7.1	
Acetophenone	0.441	0.396		-10.2	
3+4-Methylphenols	1.262	1.144		-9.4	
n-Nitroso-di-n-propylamine	0.916	0.821	0.050	-10.4	
Nitrobenzene-d5	0.321	0.325		1.2	
Hexachloroethane	0.449	0.453		0.9	
Nitrobenzene	0.349	0.338		-3.2	
Isophorone	0.656	0.596		-9.1	
2-Nitrophenol	0.118	0.159		34.7	20.0
2,4-Dimethylphenol	0.274	0.264		-3.7	
bis(2-Chloroethoxy)methane	0.400	0.377		-5.8	
2,4-Dichlorophenol	0.267	0.259		-3.0	20.0
Naphthalene	0.962	0.881		-8.4	
4-Chloroaniline	0.347	0.317		-8.6	
Hexachlorobutadiene	0.175	0.172		-1.7	20.0
Caprolactam	0.075	0.067		-10.7	
4-Chloro-3-methylphenol	0.280	0.261		-6.8	20.0
2-Methylnaphthalene	0.633	0.580		-8.4	
Hexachlorocyclopentadiene	0.158	0.203	0.050	28.5	
2,4,6-Trichlorophenol	0.311	0.302		-2.9	20.0
2-Fluorobiphenyl	1.179	1.063		-9.8	
2,4,5-Trichlorophenol	0.351	0.334		-4.8	
1,1-Biphenyl	1.414	1.295		-8.4	
2-Chloronaphthalene	1.114	1.020		-8.4	
2-Nitroaniline	0.284	0.317		11.6	
Dimethylphthalate	1.169	1.088		-6.9	
Acenaphthylene	1.608	1.448		-9.9	
2,6-Dinitrotoluene	0.193	0.227		17.6	
3-Nitroaniline	0.239	0.251		5.0	
Acenaphthene	1.069	0.988		-7.6	20.0
2,4-Dinitrophenol	0.065	0.087	0.050	33.8	
4-Nitrophenol	0.163	0.169	0.050	3.7	

Form VII SV-1

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG No.: Q2818

Instrument ID: BNA_F Calibration Date/Time: 08/13/2025 10:00

Lab File ID: BF143365.D Init. Calib. Date(s): 08/12/2025 08/12/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:03 12:38

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.539	1.391		-9.6	
2,4-Dinitrotoluene	0.256	0.301		17.6	
Diethylphthalate	1.047	0.995		-5.0	
4-Chlorophenyl-phenylether	0.568	0.526		-7.4	
Fluorene	1.175	1.049		-10.7	
4-Nitroaniline	0.232	0.220		-5.2	
4,6-Dinitro-2-methylphenol	0.069	0.092		33.3	
n-Nitrosodiphenylamine	0.659	0.614		-6.8	20.0
2,4,6-Tribromophenol	0.146	0.155		6.2	
4-Bromophenyl-phenylether	0.229	0.225		-1.7	
Hexachlorobenzene	0.247	0.235		-4.9	
Atrazine	0.172	0.162		-5.8	
Pentachlorophenol	0.101	0.184		82.2	20.0
Phenanthrene	1.091	0.981		-10.1	
Anthracene	1.107	1.018		-8.0	
Carbazole	0.942	0.812		-13.8	
Di-n-butylphthalate	0.798	0.842		5.5	
Fluoranthene	0.956	0.844		-11.7	20.0
Pyrene	1.678	1.460		-13.0	
Terphenyl-d14	1.120	1.033		-7.8	
Butylbenzylphthalate	0.284	0.450		58.5	
3,3-Dichlorobenzidine	0.343	0.378		10.2	
Benzo(a)anthracene	1.271	1.152		-9.4	
Chrysene	1.185	1.104		-6.8	
Bis(2-ethylhexyl)phthalate	0.403	0.722		79.2	
Di-n-octyl phthalate	0.860	1.370		59.3	20.0
Benzo(b)fluoranthene	1.094	1.067		-2.5	
Benzo(k)fluoranthene	1.063	0.958		-9.9	
Benzo(a)pyrene	1.030	0.955		-7.3	20.0
Indeno(1,2,3-cd)pyrene	1.433	1.348		-5.9	
Dibenzo(a,h)anthracene	1.145	1.104		-3.6	
Benzo(g,h,i)perylene	1.153	1.041		-9.7	
1,2,4,5-Tetrachlorobenzene	0.547	0.517		-5.5	
1,4-Dioxane	0.598	0.537		-10.2	20.0
2,3,4,6-Tetrachlorophenol	0.236	0.251		6.4	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG No.: Q2818

Instrument ID: BNA_P Calibration Date/Time: 08/12/2025 10:07

Lab File ID: BP025360.D Init. Calib. Date(s): 08/05/2025 08/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:03 16:51

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.244	1.253		0.7	
Benzaldehyde	1.162	1.287		10.8	
Phenol-d6	1.637	1.559		-4.8	
Phenol	1.751	1.628		-7.0	20.0
bis(2-Chloroethyl)ether	1.372	1.295		-5.6	
2-Chlorophenol	1.361	1.382		1.5	
2-Methylphenol	1.172	1.125		-4.0	
2,2-oxybis(1-Chloropropane)	2.167	1.825		-15.8	
Acetophenone	0.502	0.507		1.0	
3+4-Methylphenols	1.613	1.517		-6.0	
n-Nitroso-di-n-propylamine	1.075	1.014	0.050	-5.7	
Nitrobenzene-d5	0.361	0.396		9.7	
Hexachloroethane	0.553	0.575		4.0	
Nitrobenzene	0.342	0.354		3.5	
Isophorone	0.719	0.703		-2.2	
2-Nitrophenol	0.126	0.183		45.2	20.0
2,4-Dimethylphenol	0.331	0.314		-5.1	
bis(2-Chloroethoxy)methane	0.437	0.430		-1.6	
2,4-Dichlorophenol	0.290	0.302		4.1	20.0
Naphthalene	1.038	1.049		1.1	
4-Chloroaniline	0.462	0.446		-3.5	
Hexachlorobutadiene	0.184	0.200		8.7	20.0
Caprolactam	0.113	0.112		-0.9	
4-Chloro-3-methylphenol	0.336	0.336		0.0	20.0
2-Methylnaphthalene	0.672	0.673		0.1	
Hexachlorocyclopentadiene	0.337	0.372	0.050	10.4	
2,4,6-Trichlorophenol	0.353	0.390		10.5	20.0
2-Fluorobiphenyl	1.448	1.461		0.9	
2,4,5-Trichlorophenol	0.396	0.424		7.1	
1,1-Biphenyl	1.474	1.484		0.7	
2-Chloronaphthalene	1.124	1.145		1.9	
2-Nitroaniline	0.288	0.333		15.6	
Dimethylphthalate	1.458	1.456		-0.1	
Acenaphthylene	1.876	1.888		0.6	
2,6-Dinitrotoluene	0.269	0.319		18.6	
3-Nitroaniline	0.315	0.360		14.3	
Acenaphthene	1.144	1.186		3.7	20.0
2,4-Dinitrophenol	0.105	0.148	0.050	41.0	
4-Nitrophenol	0.278	0.270	0.050	-2.9	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG No.: Q2818

Instrument ID: BNA_P Calibration Date/Time: 08/12/2025 10:07

Lab File ID: BP025360.D Init. Calib. Date(s): 08/05/2025 08/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:03 16:51

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.710	1.714		0.2	
2,4-Dinitrotoluene	0.359	0.449		25.1	
Diethylphthalate	1.470	1.467		-0.2	
4-Chlorophenyl-phenylether	0.637	0.652		2.4	
Fluorene	1.343	1.351		0.6	
4-Nitroaniline	0.312	0.355		13.8	
4,6-Dinitro-2-methylphenol	0.080	0.122		52.5	
n-Nitrosodiphenylamine	0.609	0.638		4.8	20.0
2,4,6-Tribromophenol	0.200	0.248		24.0	
4-Bromophenyl-phenylether	0.201	0.218		8.5	
Hexachlorobenzene	0.226	0.244		8.0	
Atrazine	0.214	0.229		7.0	
Pentachlorophenol	0.144	0.156		8.3	20.0
Phenanthrene	1.095	1.119		2.2	
Anthracene	1.105	1.153		4.3	
Carbazole	1.060	1.083		2.2	
Di-n-butylphthalate	1.283	1.348		5.1	
Fluoranthene	1.268	1.294		2.0	20.0
Pyrene	1.330	1.316		-1.1	
Terphenyl-d14	1.059	1.074		1.4	
Butylbenzylphthalate	0.539	0.632		17.3	
3,3-Dichlorobenzidine	0.469	0.514		9.6	
Benzo(a)anthracene	1.329	1.325		-0.3	
Chrysene	1.233	1.250		1.4	
Bis(2-ethylhexyl)phthalate	0.861	0.952		10.6	
Di-n-octyl phthalate	1.442	1.664		15.4	20.0
Benzo(b)fluoranthene	1.197	1.187		-0.8	
Benzo(k)fluoranthene	1.187	1.194		0.6	
Benzo(a)pyrene	1.153	1.171		1.6	20.0
Indeno(1,2,3-cd)pyrene	1.434	1.490		3.9	
Dibenzo(a,h)anthracene	1.174	1.223		4.2	
Benzo(g,h,i)perylene	1.152	1.185		2.9	
1,2,4,5-Tetrachlorobenzene	0.546	0.572		4.8	
1,4-Dioxane	0.491	0.502		2.2	20.0
2,3,4,6-Tetrachlorophenol	0.331	0.366		10.6	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG No.: Q2818

Instrument ID: BNA_P Calibration Date/Time: 08/13/2025 09:51

Lab File ID: BP025377.D Init. Calib. Date(s): 08/05/2025 08/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:03 16:51

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.244	1.214		-2.4	
Benzaldehyde	1.162	1.250		7.6	
Phenol-d6	1.637	1.529		-6.6	
Phenol	1.751	1.711		-2.3	20.0
bis(2-Chloroethyl)ether	1.372	1.298		-5.4	
2-Chlorophenol	1.361	1.481		8.8	
2-Methylphenol	1.172	1.142		-2.6	
2,2-oxybis(1-Chloropropane)	2.167	1.731		-20.1	
Acetophenone	0.502	0.503		0.2	
3+4-Methylphenols	1.613	1.533		-5.0	
n-Nitroso-di-n-propylamine	1.075	1.030	0.050	-4.2	
Nitrobenzene-d5	0.361	0.407		12.7	
Hexachloroethane	0.553	0.570		3.1	
Nitrobenzene	0.342	0.358		4.7	
Isophorone	0.719	0.697		-3.1	
2-Nitrophenol	0.126	0.187		48.4	20.0
2,4-Dimethylphenol	0.331	0.319		-3.6	
bis(2-Chloroethoxy)methane	0.437	0.425		-2.7	
2,4-Dichlorophenol	0.290	0.306		5.5	20.0
Naphthalene	1.038	1.062		2.3	
4-Chloroaniline	0.462	0.446		-3.5	
Hexachlorobutadiene	0.184	0.215		16.8	20.0
Caprolactam	0.113	0.109		-3.5	
4-Chloro-3-methylphenol	0.336	0.364		8.3	20.0
2-Methylnaphthalene	0.672	0.678		0.9	
Hexachlorocyclopentadiene	0.337	0.381	0.050	13.1	
2,4,6-Trichlorophenol	0.353	0.403		14.2	20.0
2-Fluorobiphenyl	1.448	1.545		6.7	
2,4,5-Trichlorophenol	0.396	0.445		12.4	
1,1-Biphenyl	1.474	1.514		2.7	
2-Chloronaphthalene	1.124	1.198		6.6	
2-Nitroaniline	0.288	0.346		20.1	
Dimethylphthalate	1.458	1.489		2.1	
Acenaphthylene	1.876	1.942		3.5	
2,6-Dinitrotoluene	0.269	0.325		20.8	
3-Nitroaniline	0.315	0.358		13.7	
Acenaphthene	1.144	1.121		-2.0	20.0
2,4-Dinitrophenol	0.105	0.160	0.050	52.4	
4-Nitrophenol	0.278	0.293	0.050	5.4	

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG No.: Q2818

Instrument ID: BNA_P Calibration Date/Time: 08/13/2025 09:51

Lab File ID: BP025377.D Init. Calib. Date(s): 08/05/2025 08/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:03 16:51

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.710	1.758		2.8	
2,4-Dinitrotoluene	0.359	0.474		32.0	
Diethylphthalate	1.470	1.490		1.4	
4-Chlorophenyl-phenylether	0.637	0.684		7.4	
Fluorene	1.343	1.393		3.7	
4-Nitroaniline	0.312	0.358		14.7	
4,6-Dinitro-2-methylphenol	0.080	0.126		57.5	
n-Nitrosodiphenylamine	0.609	0.623		2.3	20.0
2,4,6-Tribromophenol	0.200	0.266		33.0	
4-Bromophenyl-phenylether	0.201	0.220		9.5	
Hexachlorobenzene	0.226	0.253		11.9	
Atrazine	0.214	0.227		6.1	
Pentachlorophenol	0.144	0.178		23.6	20.0
Phenanthrene	1.095	1.128		3.0	
Anthracene	1.105	1.151		4.2	
Carbazole	1.060	1.071		1.0	
Di-n-butylphthalate	1.283	1.344		4.8	
Fluoranthene	1.268	1.308		3.2	20.0
Pyrene	1.330	1.359		2.2	
Terphenyl-d14	1.059	1.119		5.7	
Butylbenzylphthalate	0.539	0.607		12.6	
3,3-Dichlorobenzidine	0.469	0.508		8.3	
Benzo(a)anthracene	1.329	1.347		1.4	
Chrysene	1.233	1.266		2.7	
Bis(2-ethylhexyl)phthalate	0.861	0.909		5.6	
Di-n-octyl phthalate	1.442	1.602		11.1	20.0
Benzo(b)fluoranthene	1.197	1.203		0.5	
Benzo(k)fluoranthene	1.187	1.175		-1.0	
Benzo(a)pyrene	1.153	1.161		0.7	20.0
Indeno(1,2,3-cd)pyrene	1.434	1.534		7.0	
Dibenzo(a,h)anthracene	1.174	1.254		6.8	
Benzo(g,h,i)perylene	1.152	1.228		6.6	
1,2,4,5-Tetrachlorobenzene	0.546	0.607		11.2	
1,4-Dioxane	0.491	0.473		-3.7	20.0
2,3,4,6-Tetrachlorophenol	0.331	0.386		16.6	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025371.D
Acq On : 12 Aug 2025 18:00
Operator : CG/JU
Sample : Q2818-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-2-5-1

Quant Time: Aug 12 18:42:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

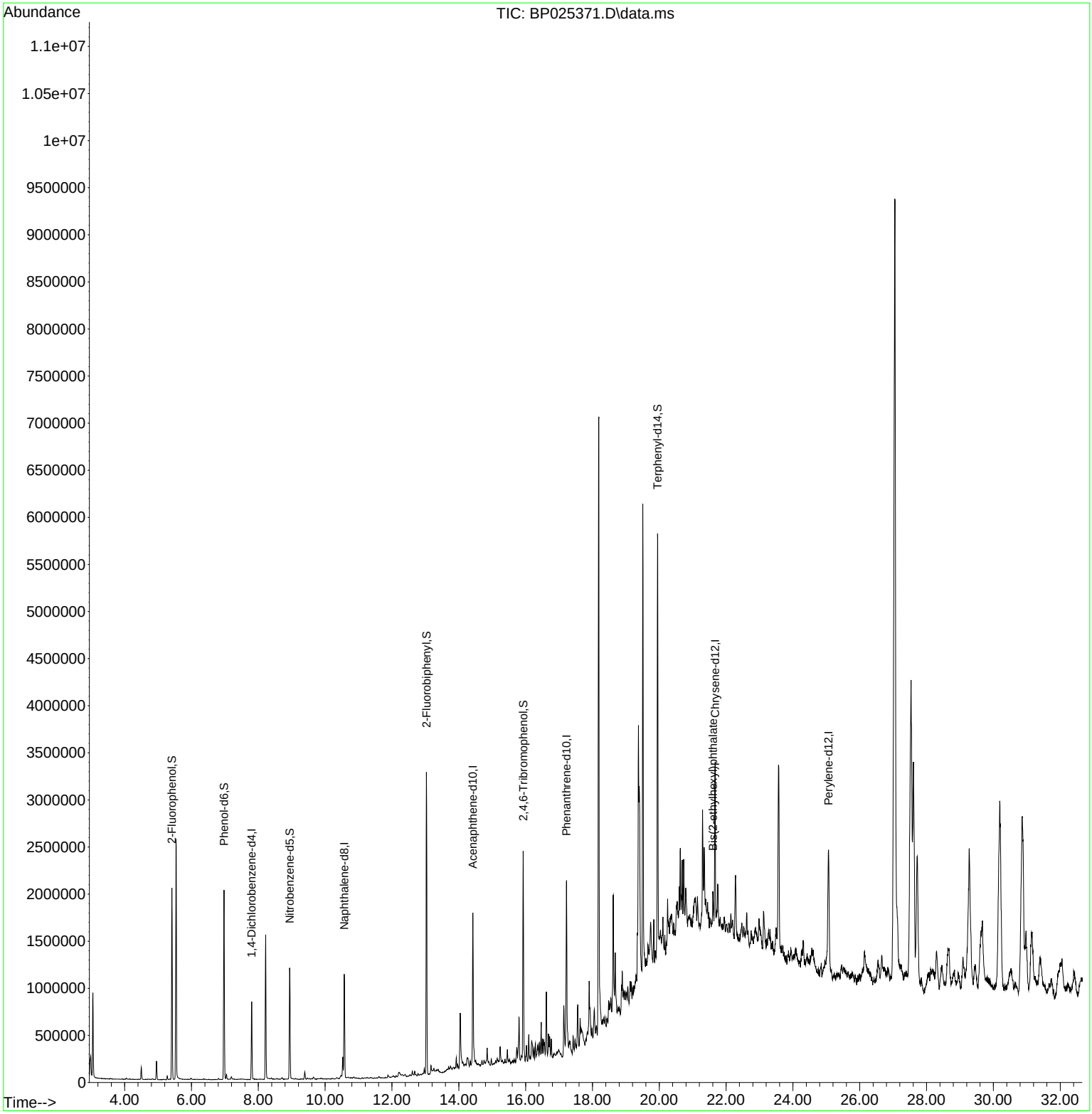
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	233793	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	927693	20.000	ng	0.00
39) Acenaphthene-d10	14.419	164	559882	20.000	ng	0.00
64) Phenanthrene-d10	17.225	188	1060107	20.000	ng	0.00
76) Chrysene-d12	21.672	240	1063641	20.000	ng	0.01
86) Perylene-d12	25.065	264	1259856	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	879489	60.504	ng	0.00
7) Phenol-d6	6.972	99	1092792	57.123	ng	0.00
23) Nitrobenzene-d5	8.937	82	703214	41.995	ng	0.00
42) 2,4,6-Tribromophenol	15.931	330	446866	80.005	ng	0.00
45) 2-Fluorobiphenyl	13.031	172	1698518	41.902	ng	0.00
79) Terphenyl-d14	19.948	244	2231569	39.628	ng	0.00
Target Compounds						Qvalue
84) Bis(2-ethylhexyl)phtha...	21.607	149	175202	3.825	ng	98

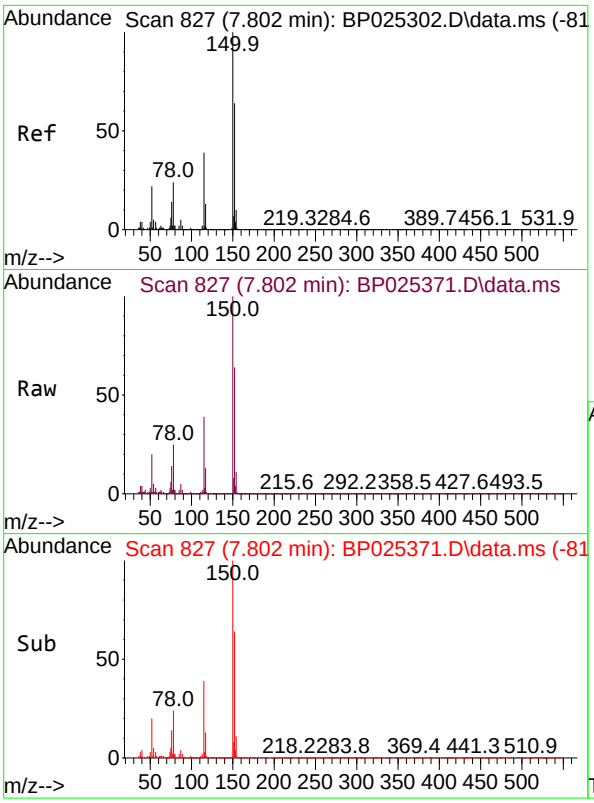
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025371.D
Acq On : 12 Aug 2025 18:00
Operator : CG/JU
Sample : Q2818-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-2-5-1

Quant Time: Aug 12 18:42:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration



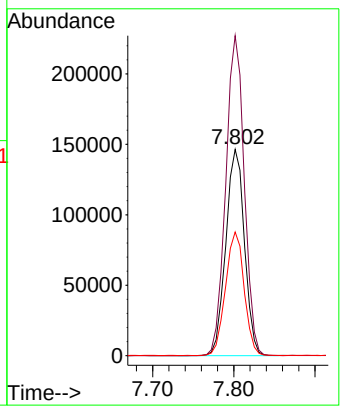


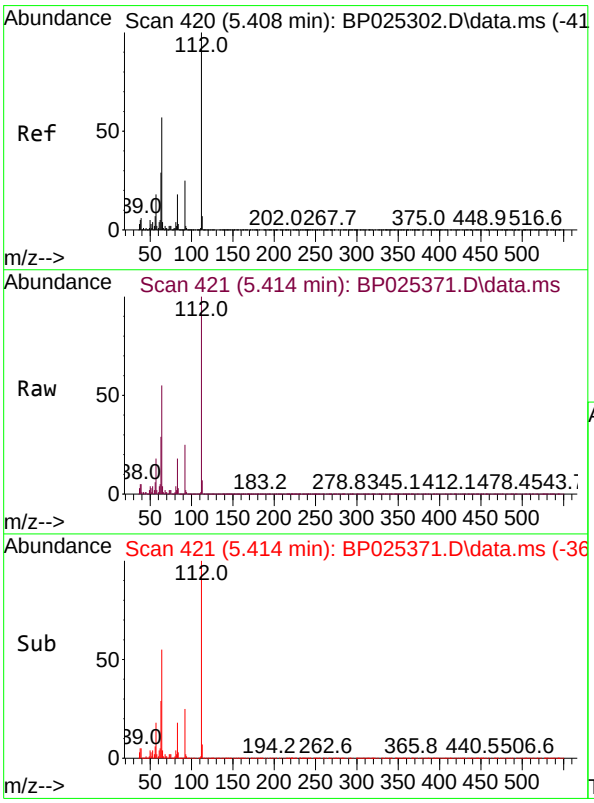
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025371.D
Acq: 12 Aug 2025 18:00

Instrument :
BNA_P
ClientSampleId :
B-2-5-1

Tgt Ion:152 Resp: 233793

Ion	Ratio	Lower	Upper
152	100		
150	155.1	125.1	187.7
115	60.0	48.4	72.6

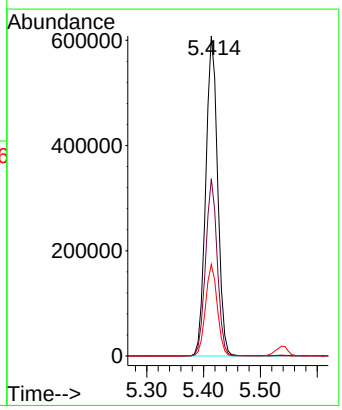


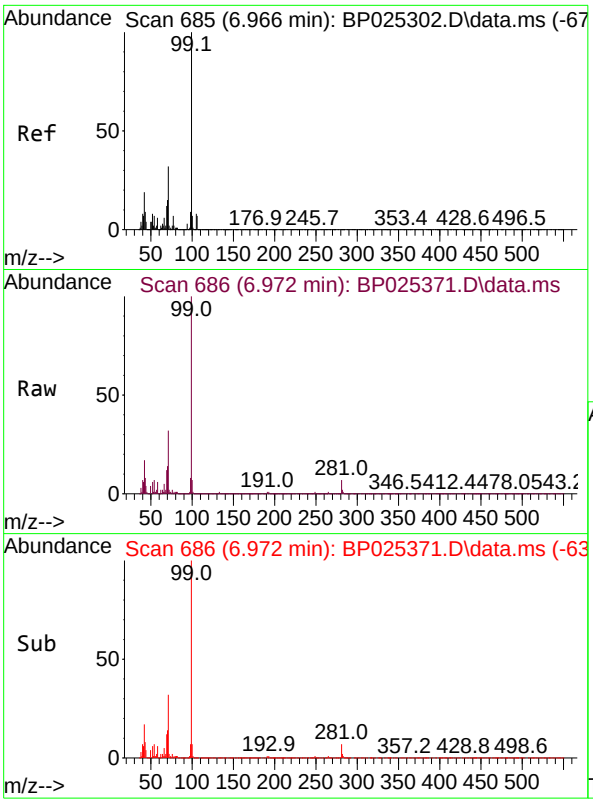


#5
2-Fluorophenol
Concen: 60.504 ng
RT: 5.414 min Scan# 421
Delta R.T. 0.006 min
Lab File: BP025371.D
Acq: 12 Aug 2025 18:00

Tgt Ion:112 Resp: 879489

Ion	Ratio	Lower	Upper
112	100		
64	55.4	45.3	67.9
63	28.6	23.0	34.6



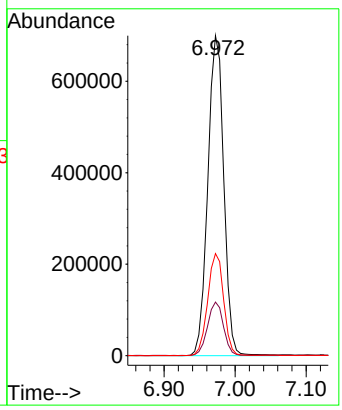


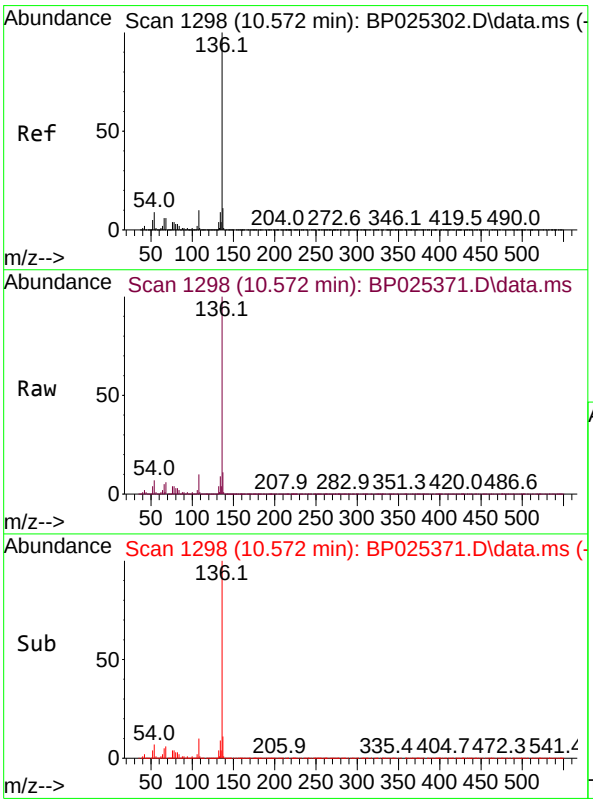
#7
Phenol-d6
Concen: 57.123 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025371.D
Acq: 12 Aug 2025 18:00

Instrument :
BNA_P
ClientSampleId :
B-2-5-1

Tgt Ion: 99 Resp: 1092792

Ion	Ratio	Lower	Upper
99	100		
42	16.7	15.0	22.6
71	31.9	25.5	38.3

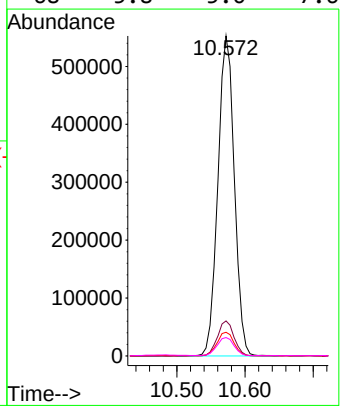


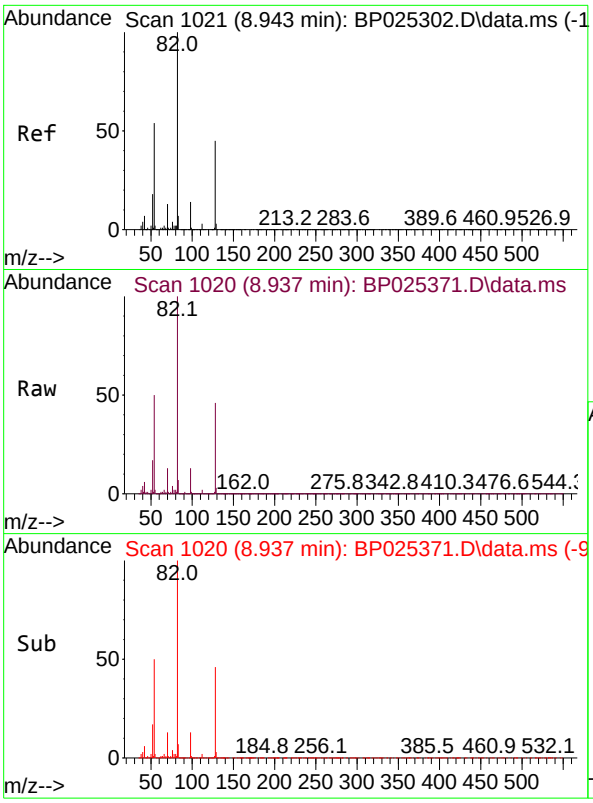


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BP025371.D
Acq: 12 Aug 2025 18:00

Tgt Ion:136 Resp: 927693

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.4	7.0	10.6
68	5.8	5.0	7.6



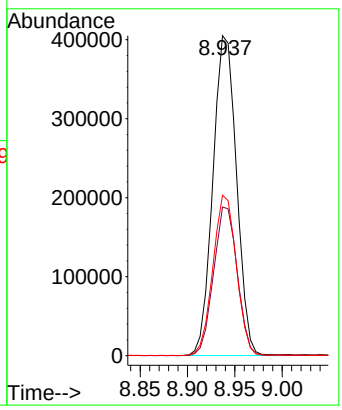


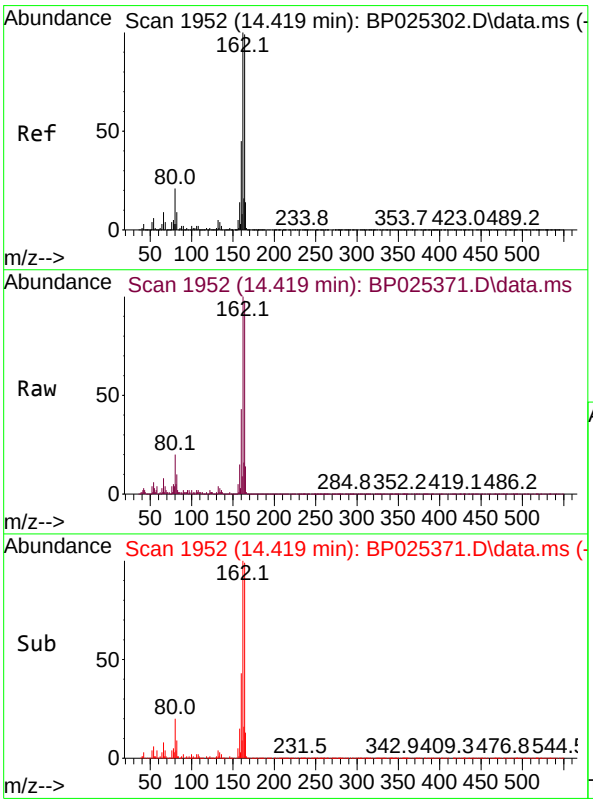
#23
Nitrobenzene-d5
Concen: 41.995 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025371.D
Acq: 12 Aug 2025 18:00

Instrument :
BNA_P
ClientSampleId :
B-2-5-1

Tgt Ion: 82 Resp: 703214

Ion	Ratio	Lower	Upper
82	100		
128	46.4	35.4	53.2
54	50.2	42.9	64.3

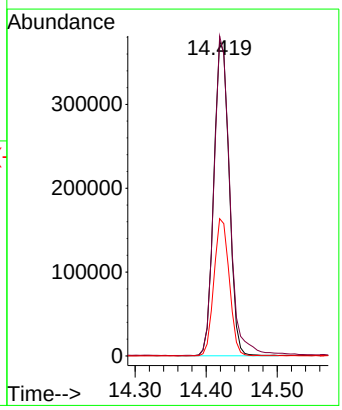


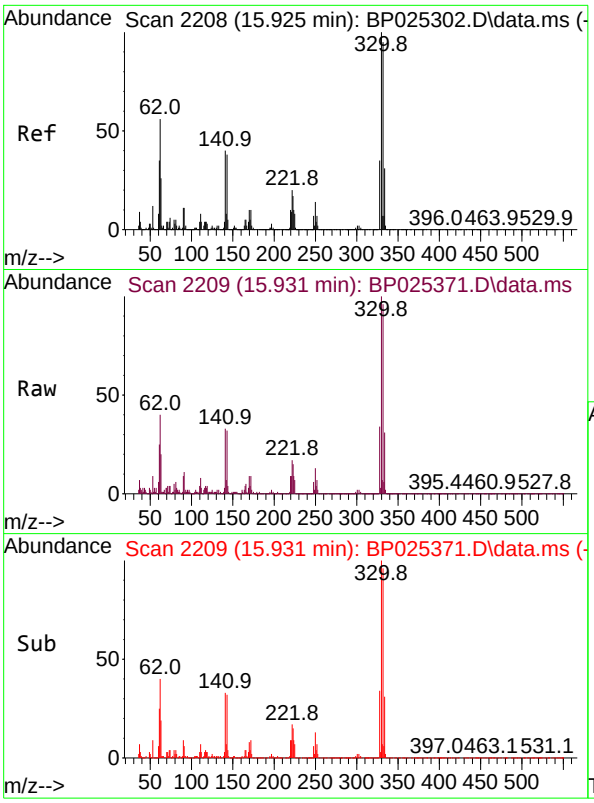


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1952
Delta R.T. -0.000 min
Lab File: BP025371.D
Acq: 12 Aug 2025 18:00

Tgt Ion:164 Resp: 559882

Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.6	120.8
160	43.6	35.9	53.9



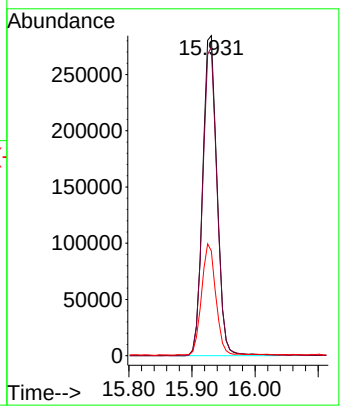


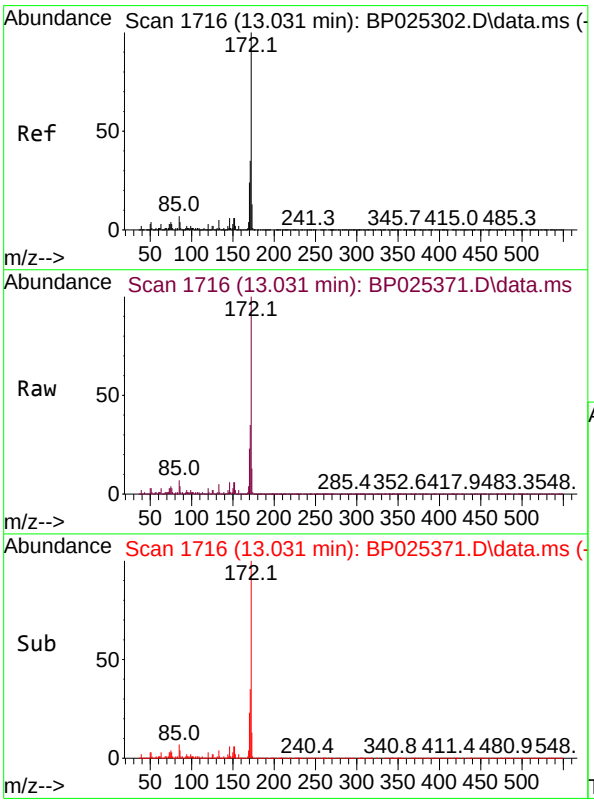
#42
2,4,6-Tribromophenol
Concen: 80.005 ng
RT: 15.931 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025371.D
Acq: 12 Aug 2025 18:00

Instrument :
BNA_P
ClientSampleId :
B-2-5-1

Tgt Ion:330 Resp: 446866

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.4	116.0
141	34.6	31.7	47.5

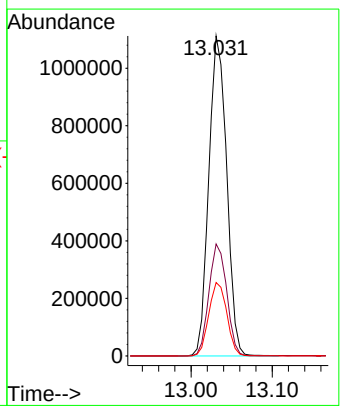


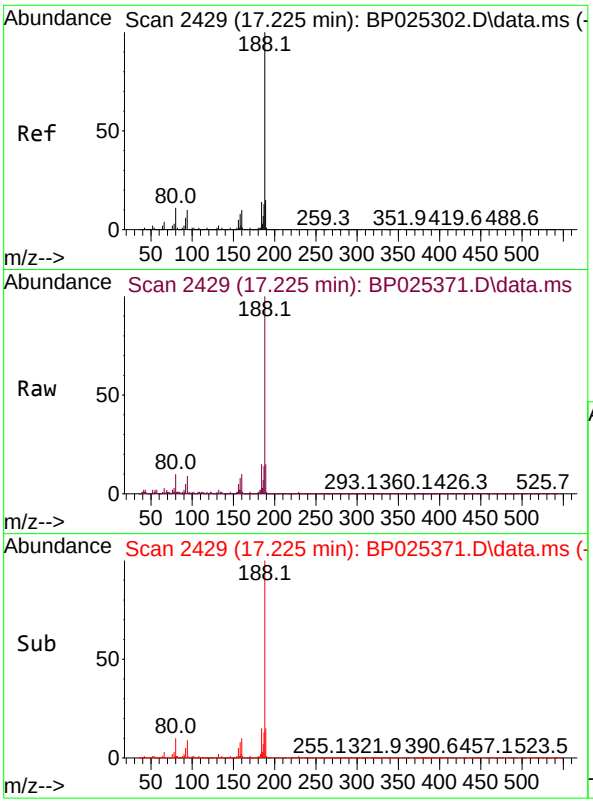


#45
2-Fluorobiphenyl
Concen: 41.902 ng
RT: 13.031 min Scan# 1716
Delta R.T. -0.000 min
Lab File: BP025371.D
Acq: 12 Aug 2025 18:00

Tgt Ion:172 Resp: 1698518

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.9	41.9
170	23.0	18.9	28.3



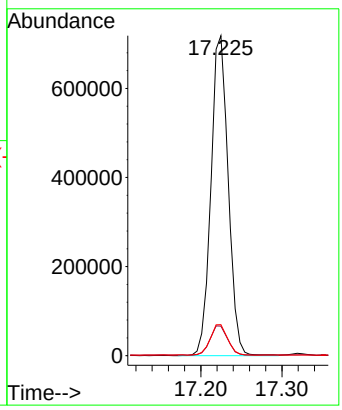


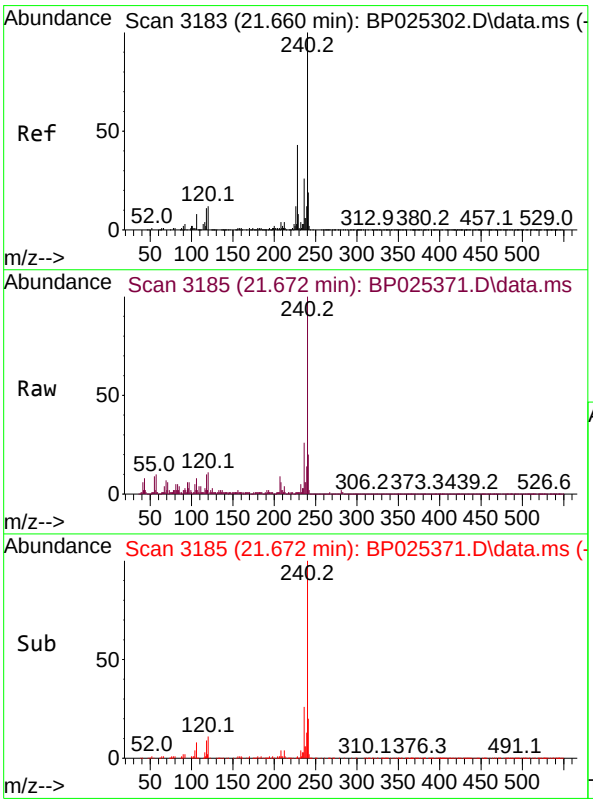
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025371.D
Acq: 12 Aug 2025 18:00

Instrument :
BNA_P
ClientSampleId :
B-2-5-1

Tgt Ion:188 Resp: 1060107

Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.0	12.0
80	9.7	8.5	12.7

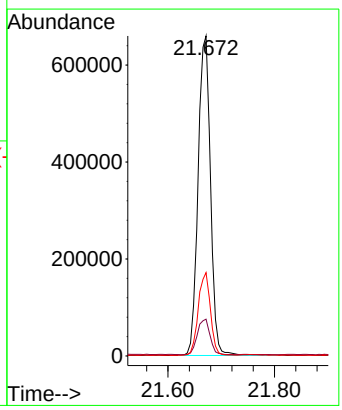


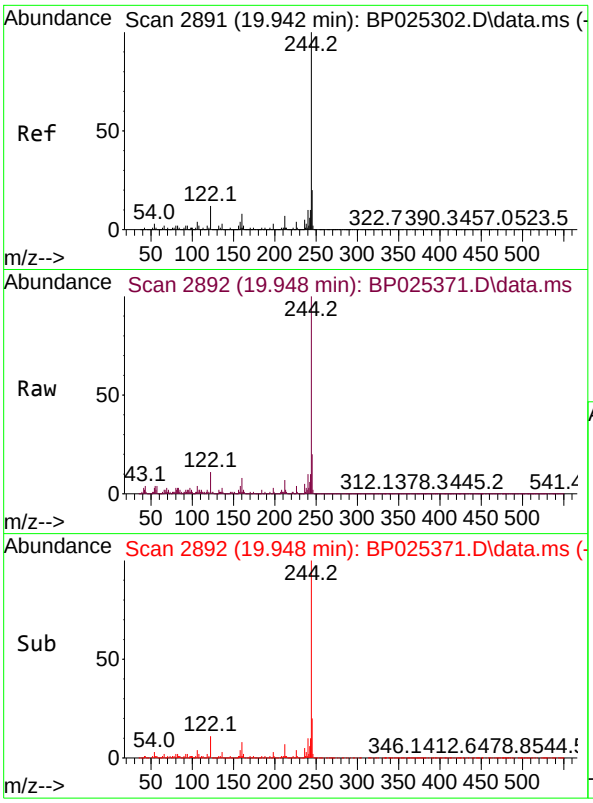


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.672 min Scan# 3185
Delta R.T. 0.012 min
Lab File: BP025371.D
Acq: 12 Aug 2025 18:00

Tgt Ion:240 Resp: 1063641

Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.6	14.4
236	26.1	20.4	30.6



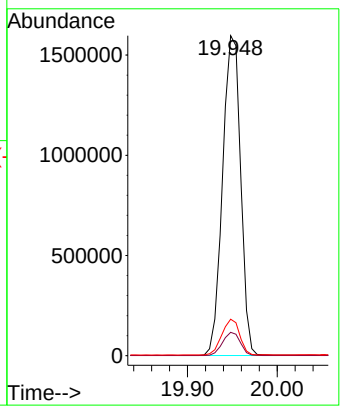


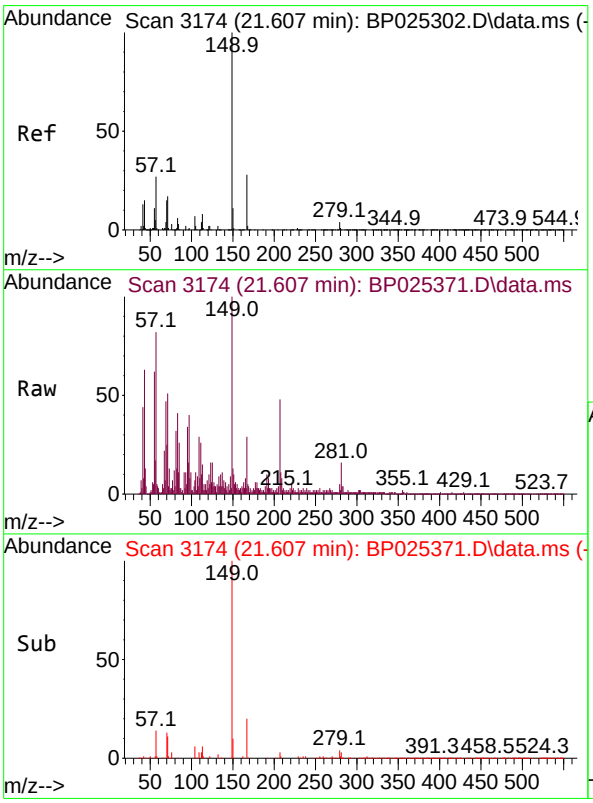
#79
Terphenyl-d14
Concen: 39.628 ng
RT: 19.948 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025371.D
Acq: 12 Aug 2025 18:00

Instrument :
BNA_P
ClientSampleId :
B-2-5-1

Tgt Ion:244 Resp: 2231569

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.9	8.9
122	11.4	9.5	14.3

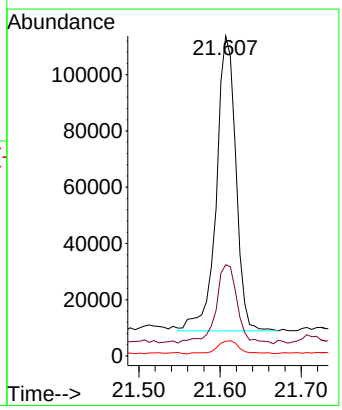


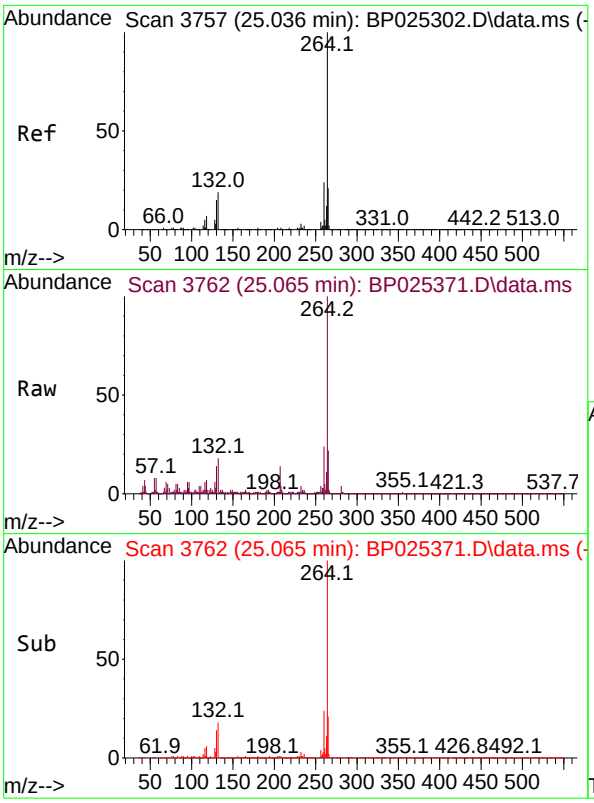


#84
Bis(2-ethylhexyl)phthalate
Concen: 3.825 ng
RT: 21.607 min Scan# 3174
Delta R.T. -0.000 min
Lab File: BP025371.D
Acq: 12 Aug 2025 18:00

Tgt Ion:149 Resp: 175202

Ion	Ratio	Lower	Upper
149	100		
167	28.5	22.1	33.1
279	4.6	3.4	5.2



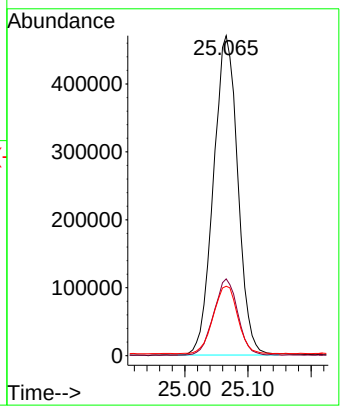


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.065 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP025371.D
Acq: 12 Aug 2025 18:00

Instrument :
BNA_P
ClientSampleId :
B-2-5-1

Tgt Ion:264 Resp: 1259856

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.7	17.1	25.7



Sample Results: **BP025371.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025371.D
Acq On : 12 Aug 2025 18:00
Operator : CG/JU
Sample : Q2818-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-2-5-1

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025371.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.984	3	8	13	rVB2	202474	404223	1.37%	0.251%
2	3.049	13	19	31	rVB	899236	1347434	4.58%	0.837%
3	5.414	414	421	430	rBV	2031386	2901375	9.86%	1.801%
4	5.537	434	442	462	rBV	2549376	3860436	13.12%	2.397%
5	6.972	678	686	694	rBV	2011459	3163155	10.75%	1.964%
6	7.802	819	827	834	rBV	829148	1332998	4.53%	0.828%
7	8.219	890	898	910	rBV	1537986	2279447	7.75%	1.415%
8	8.937	1012	1020	1028	rBV	1181106	2072608	7.04%	1.287%
9	10.525	1285	1290	1293	rVV	225053	334803	1.14%	0.208%
10	10.572	1293	1298	1305	rVB	1098764	1859615	6.32%	1.155%
11	13.031	1710	1716	1728	rVB	3212136	4899944	16.65%	3.042%
12	14.043	1881	1888	1899	rBV	587059	1369320	4.65%	0.850%
13	14.419	1946	1952	1963	rBV2	1595559	2684987	9.13%	1.667%
14	15.801	2180	2187	2194	rVB2	464995	810930	2.76%	0.503%
15	15.925	2203	2208	2218	rVB	2229528	3531928	12.00%	2.193%
16	16.095	2232	2237	2241	rBV	280175	389635	1.32%	0.242%
17	16.184	2247	2252	2259	rBV4	180571	454539	1.54%	0.282%
18	16.466	2296	2300	2304	rBV	340433	388413	1.32%	0.241%
19	16.619	2321	2326	2332	rVB4	675401	1000592	3.40%	0.621%
20	16.684	2334	2337	2340	rVV	239972	328371	1.12%	0.204%
21	16.719	2340	2343	2347	rVV	219014	310503	1.06%	0.193%
22	17.142	2411	2415	2422	rBV2	522285	990918	3.37%	0.615%
23	17.225	2422	2429	2439	rVB	1788654	3317366	11.28%	2.060%
24	17.419	2458	2462	2468	rBV2	195825	342334	1.16%	0.213%
25	17.560	2481	2486	2492	rVB	442836	734181	2.50%	0.456%
26	17.631	2495	2498	2501	rBV2	246119	307260	1.04%	0.191%
27	17.901	2541	2544	2547	rBV2	469201	585937	1.99%	0.364%
28	18.054	2566	2570	2576	rVB4	254708	451882	1.54%	0.281%
29	18.189	2586	2593	2608	rBV	6564432	11571745	39.33%	7.184%
30	18.483	2640	2643	2646	rBV2	228856	341036	1.16%	0.212%
31	18.625	2660	2667	2673	rBV3	1224051	2217662	7.54%	1.377%
32	18.683	2674	2677	2686	rVB3	639617	1021354	3.47%	0.634%
33	18.889	2710	2712	2716	rVB	303256	345238	1.17%	0.214%
34	19.342	2786	2789	2790	rBV	514257	483567	1.64%	0.300%
35	19.378	2791	2795	2797	rBV	2194450	2926183	9.95%	1.817%
36	19.507	2812	2817	2830	rBV	4959984	7351896	24.99%	4.564%

Sample Results: **BP025371.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025371.D
Acq On : 12 Aug 2025 18:00
Operator : CG/JU
Sample : Q2818-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-2-5-1

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.948	2887	2892	2898	rBV	4330417	6412831	21.80%	3.981%
38	20.248	2941	2943	2948	rBV5	370229	463604	1.58%	0.288%
39	20.630	3005	3008	3012	rBV2	664880	784789	2.67%	0.487%
40	20.683	3015	3017	3021	rVB2	573903	622533	2.12%	0.386%
41	21.295	3118	3121	3125	rBV	1073681	1435944	4.88%	0.891%
42	21.342	3127	3129	3134	rVB2	618673	848665	2.88%	0.527%
43	21.672	3180	3185	3190	rVB	1659414	2551401	8.67%	1.584%
44	23.566	3502	3507	3518	rVB2	1946329	4458584	15.15%	2.768%
45	25.065	3756	3762	3775	rVB	1298600	3571901	12.14%	2.218%
46	27.048	4085	4099	4119	rBV	8154275	29421732	100.00%	18.266%
47	27.536	4170	4182	4189	rBV	2909390	11705792	39.79%	7.267%
48	27.607	4191	4194	4203	rVV2	2172474	5340492	18.15%	3.316%
49	27.718	4207	4213	4225	rVB4	1340772	4446915	15.11%	2.761%
50	29.277	4475	4478	4498	rVB2	1449362	4682647	15.92%	2.907%
51	30.189	4621	4633	4649	rVB2	1972291	9596110	32.62%	5.958%
52	30.865	4737	4748	4762	rBV3	1429750	6016291	20.45%	3.735%

Sum of corrected areas: 161074046

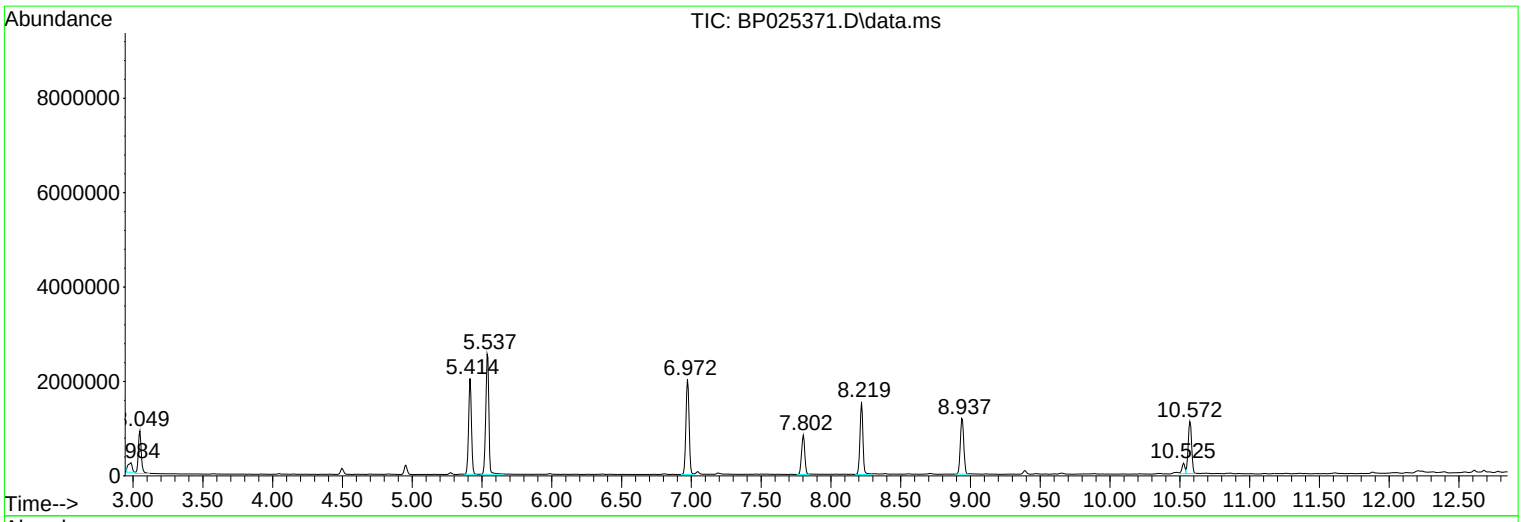
Sample Results: **BP025371.D**

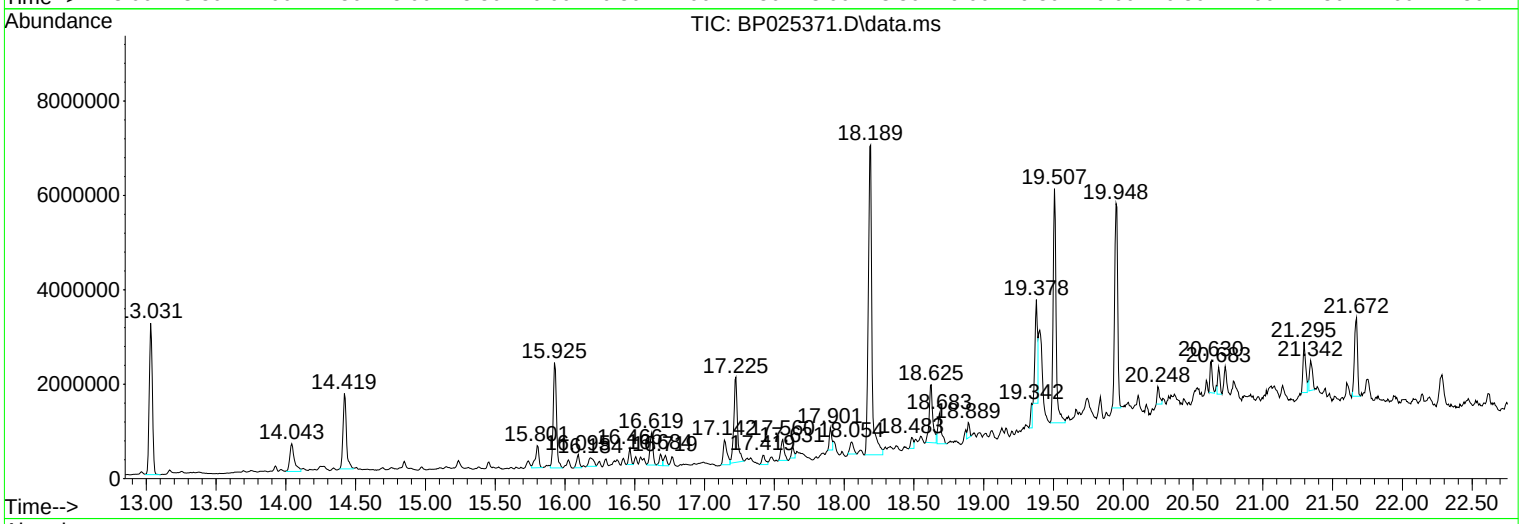
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025371.D
Acq On : 12 Aug 2025 18:00
Operator : CG/JU
Sample : Q2818-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

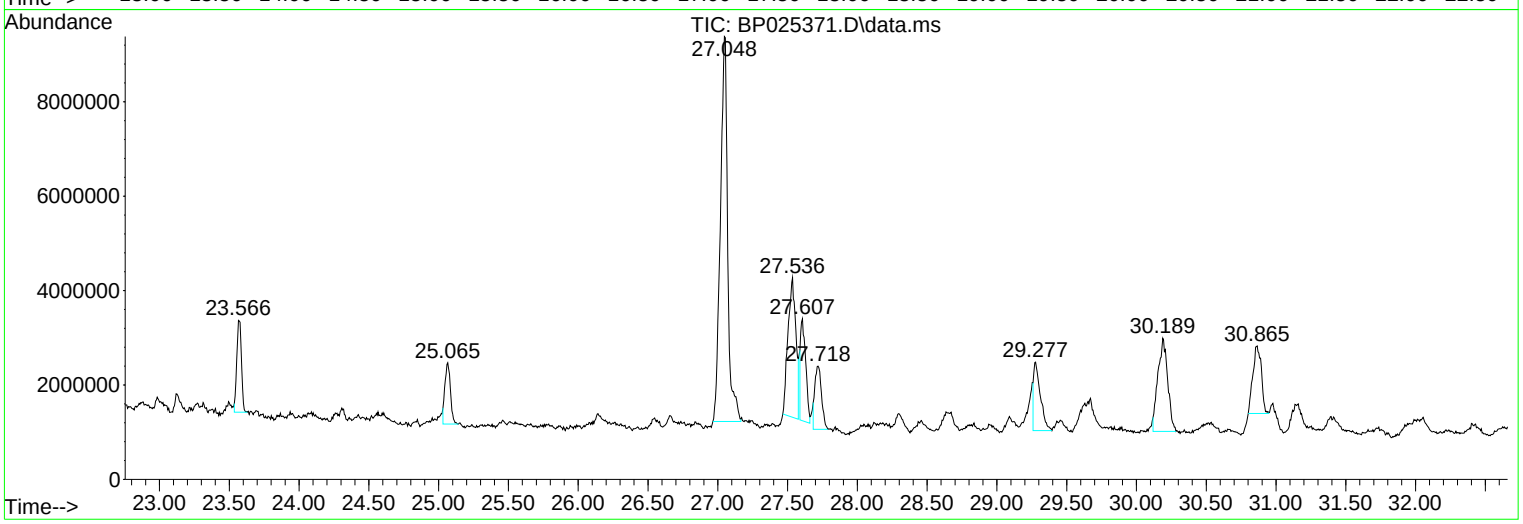
Instrument :
BNA_P
ClientSampleId :
B-2-5-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.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\BP081225\
Data File : BP025371.D
Acq On : 12 Aug 2025 18:00
Operator : CG/JU
Sample : Q2818-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-2-5-1

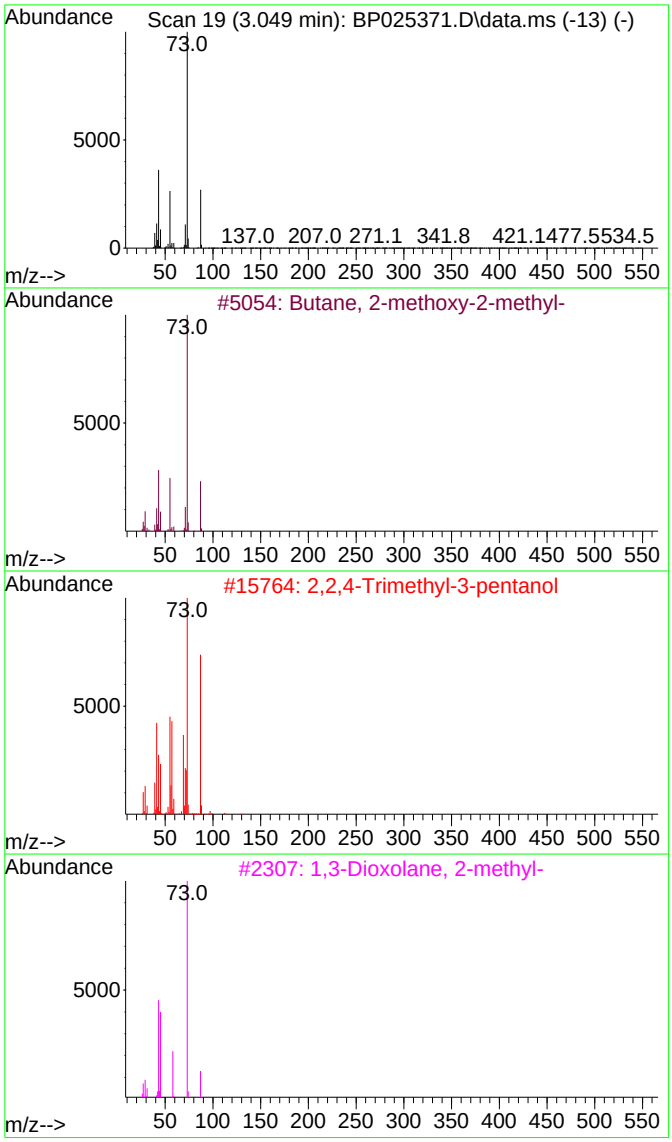
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

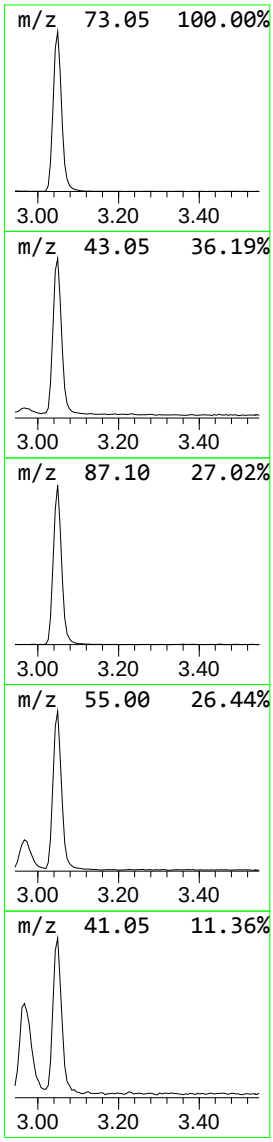
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.049	20.22 ng	1347430	1,4-Dichlorobenzene-d4	7.802

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9





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Acq On : 12 Aug 2025 18:00
Operator : CG/JU
Sample : Q2818-01
Misc :
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ClientSampleId :
B-2-5-1

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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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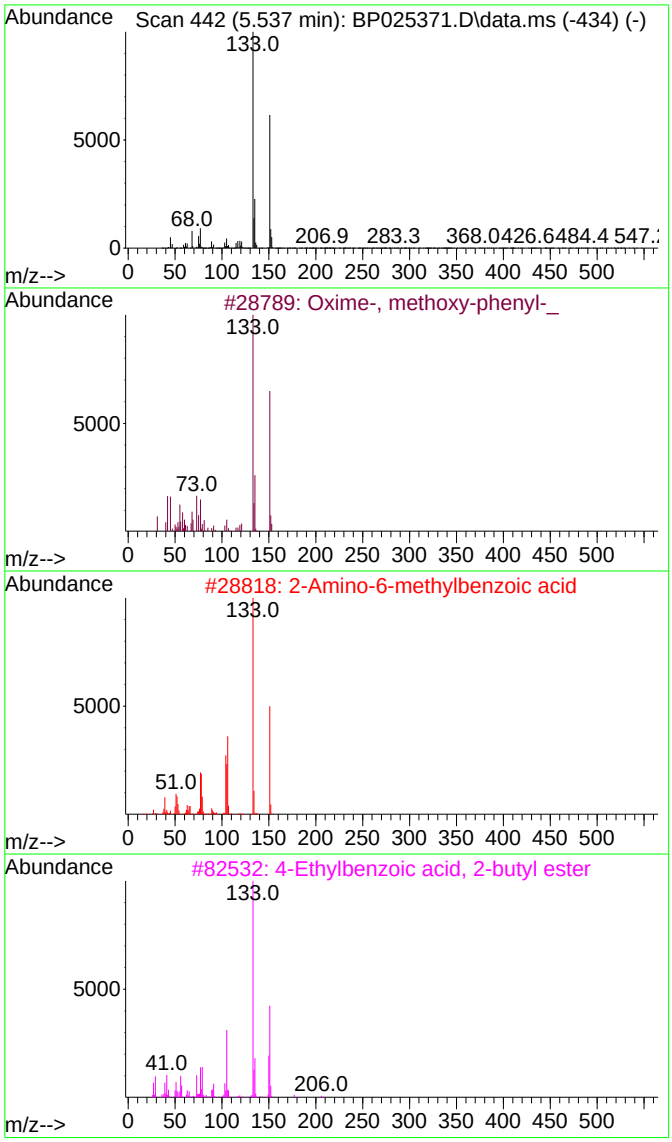
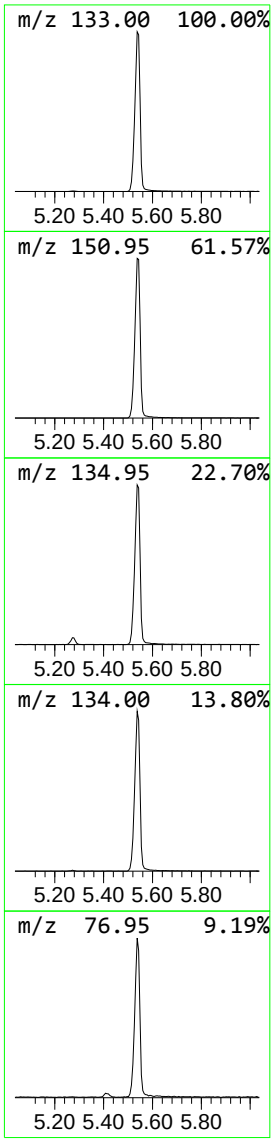
Peak Number 2 Oxime-, methoxy-phenyl-_ Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.537	57.92 ng	3860440	1,4-Dichlorobenzene-d4	7.802

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxime-, methoxy-phenyl-_	151	C8H9NO2	1000222-86-6	91
2	2-Amino-6-methylbenzoic acid	151	C8H9NO2	004389-50-8	59
3	4-Ethylbenzoic acid, 2-butyl ester	206	C13H18O2	1000293-31-8	56
4	4H-Furo[3,2-b]pyrrole-5-carboxyl...	151	C7H5NO3	067268-37-5	45
5	4-Ethylbenzoic acid, cyclohexyl ...	232	C15H20O2	1000293-32-1	40





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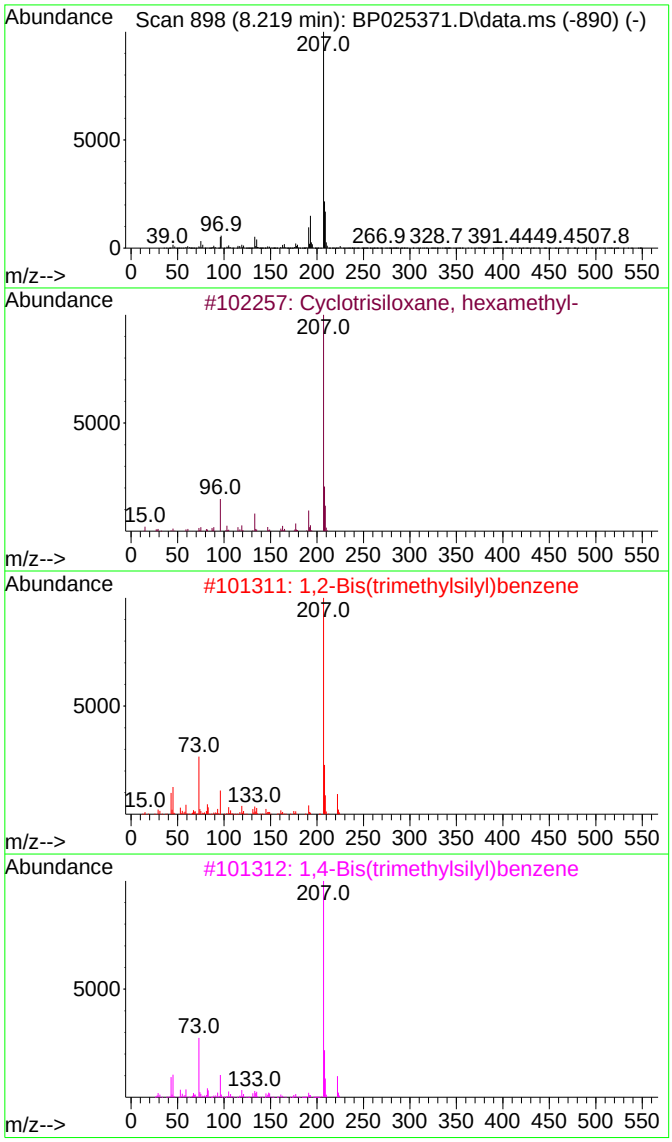
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

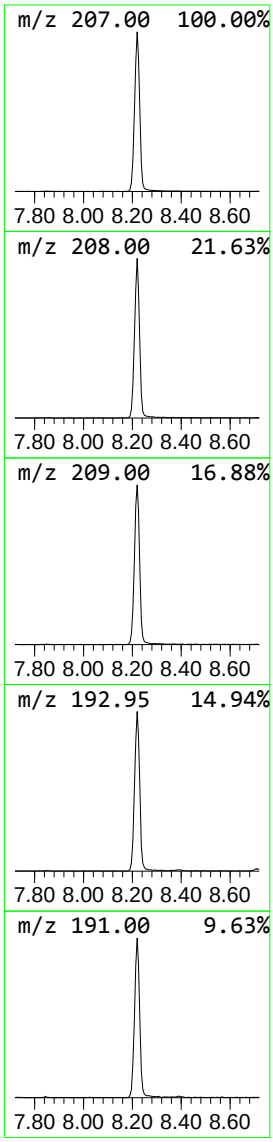
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclotrisiloxane, hexamethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.219	34.20 ng	2279450	1,4-Dichlorobenzene-d4	7.802

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	56
2	1,2-Bis(trimethylsilyl)benzene	222	C12H22Si2	017151-09-6	50
3	1,4-Bis(trimethylsilyl)benzene	222	C12H22Si2	013183-70-5	50
4	Benzo[h]quinoline, 2,4-dimethyl-	207	C15H13N	000605-67-4	45
5	3-Cyano-4-fluorobenzylamine, TMS	222	C11H15FN2Si	1000497-68-2	38





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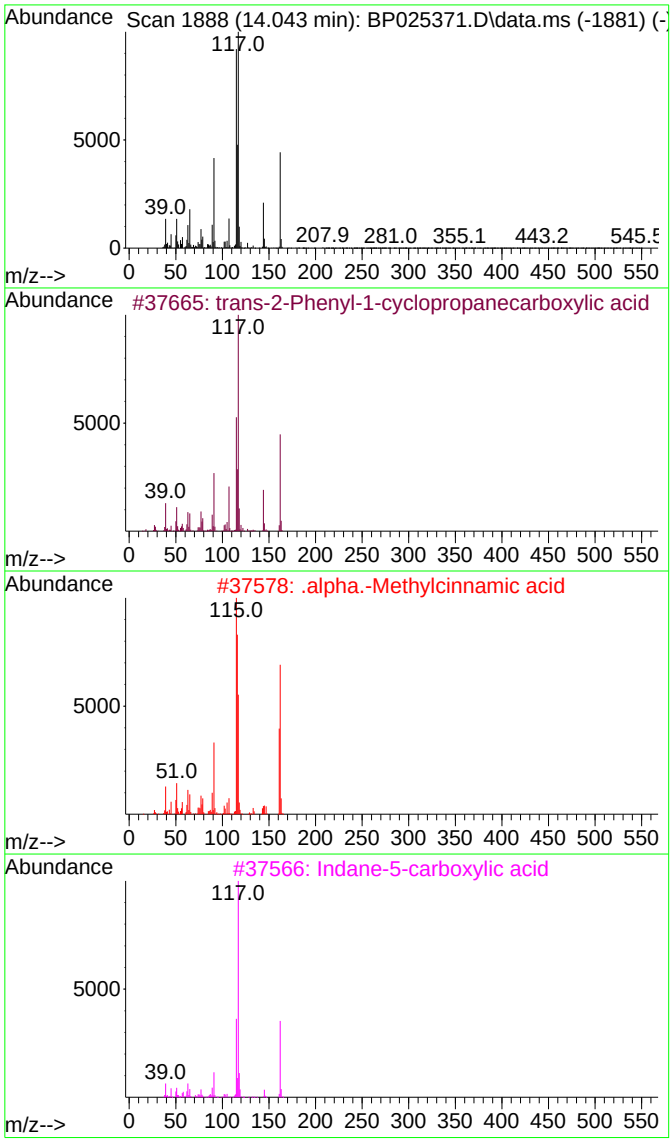
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

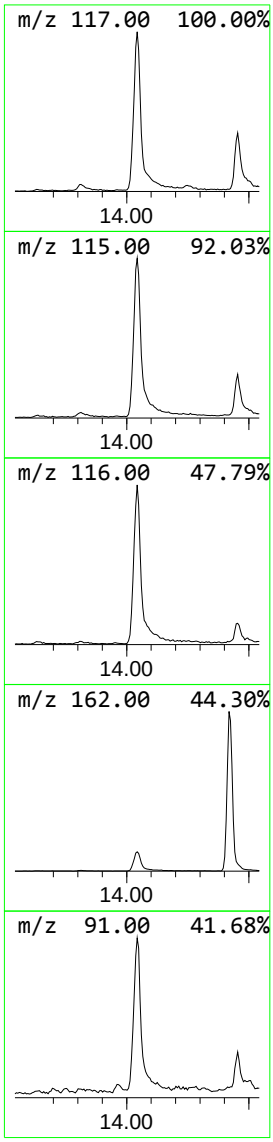
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 trans-2-Phenyl-1-cyclopropa... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.043	10.20 ng	1369320	Acenaphthene-d10	14.419

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-2-Phenyl-1-cyclopropanecar...	162	C10H10O2	000939-90-2	76
2	.alpha.-Methylcinnamic acid	162	C10H10O2	001199-77-5	46
3	Indane-5-carboxylic acid	162	C10H10O2	065898-38-6	46
4	1,4-Epoxynaphthalene, 1,4-dihydro-	144	C10H8O	000573-57-9	45
5	Benzonitrile, 4-methyl-	117	C8H7N	000104-85-8	38





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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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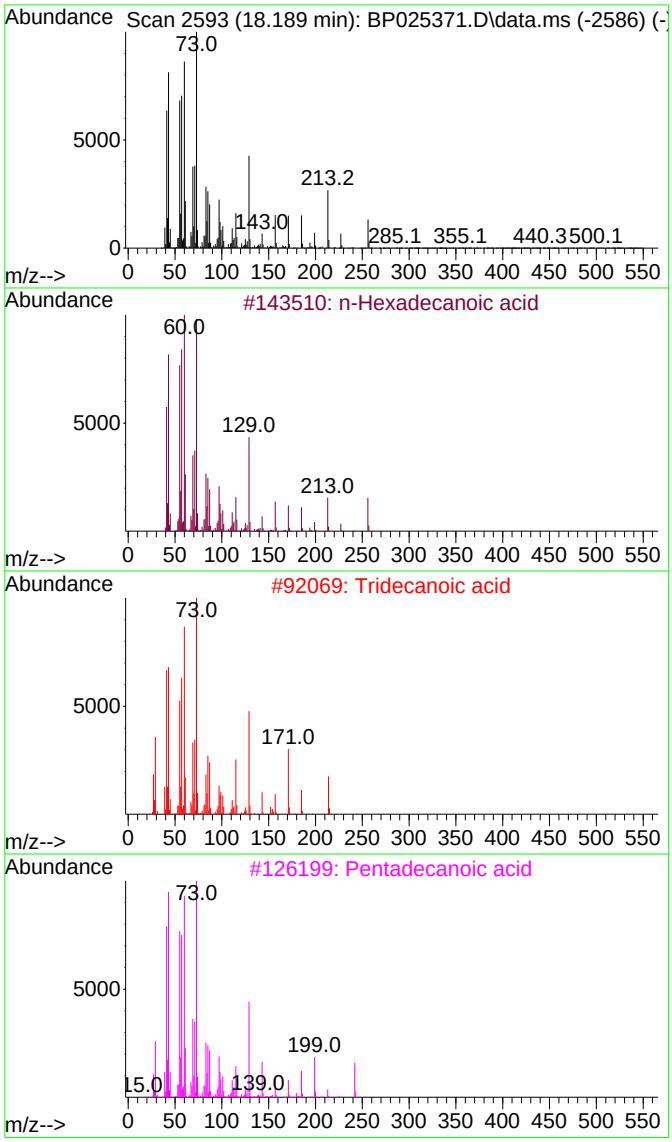
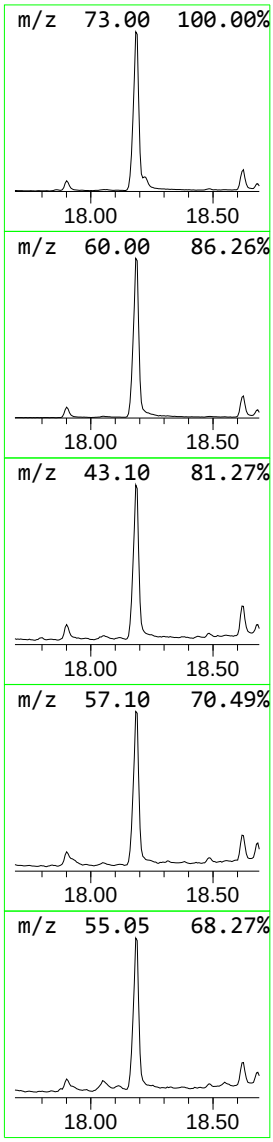
Peak Number 5 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.189	69.76 ng	11571700	Phenanthrene-d10	17.225

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	94
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Undecanoic acid	186	C11H22O2	000112-37-8	83
5	n-Decanoic acid	172	C10H20O2	000334-48-5	76





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Acq On : 12 Aug 2025 18:00
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Sample : Q2818-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-2-5-1

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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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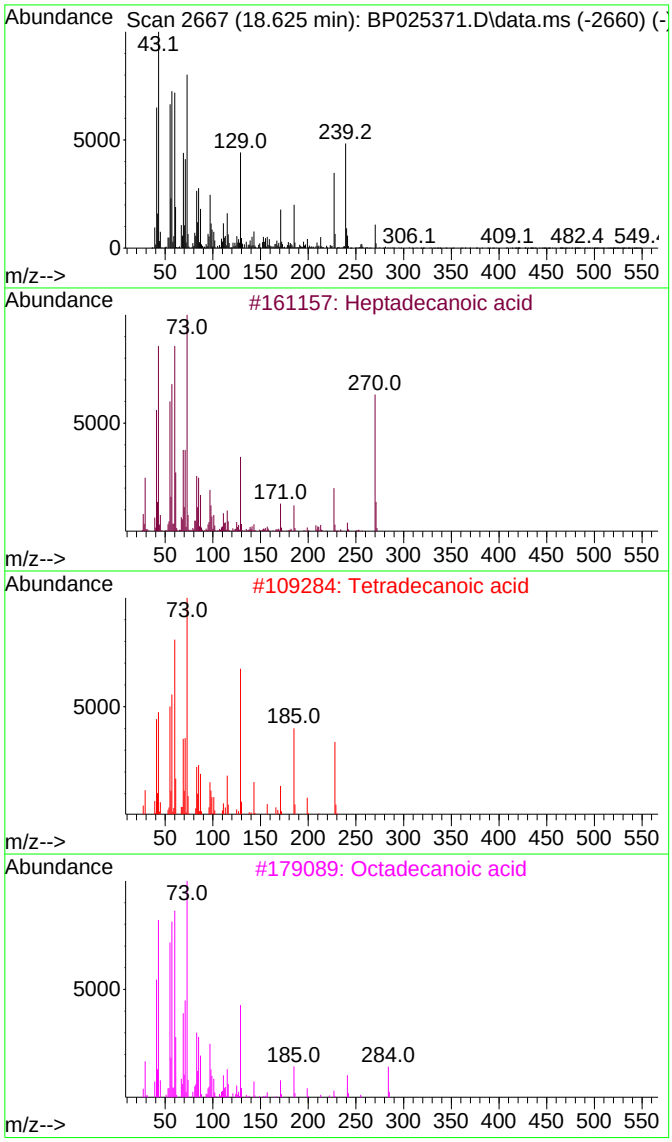
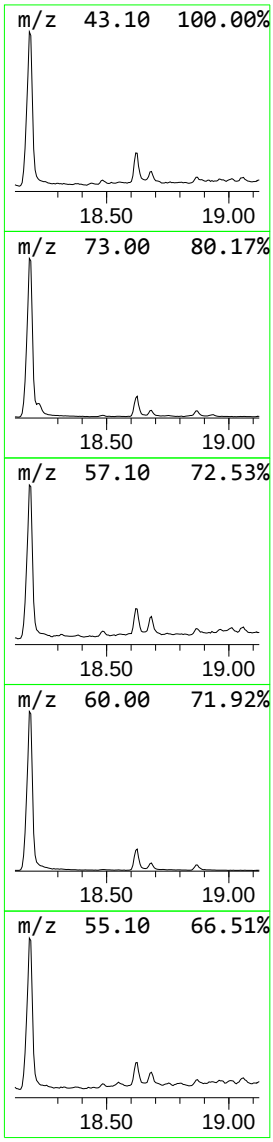
Peak Number 6 Heptadecanoic acid Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.625	13.37 ng	2217660	Phenanthrene-d10	17.225

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecanoic acid	270	C17H34O2	000506-12-7	93
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
3	Octadecanoic acid	284	C18H36O2	000057-11-4	70
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	53
5	n-Decanoic acid	172	C10H20O2	000334-48-5	46





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TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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Instrument :
BNA_P
ClientSampleId :
B-2-5-1

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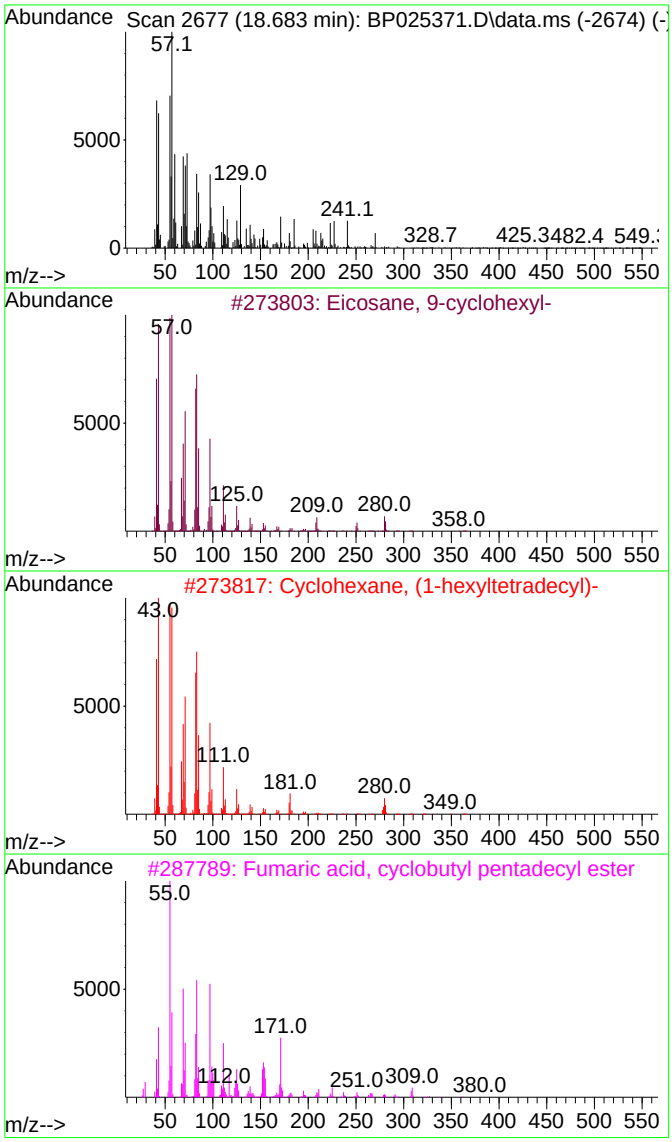
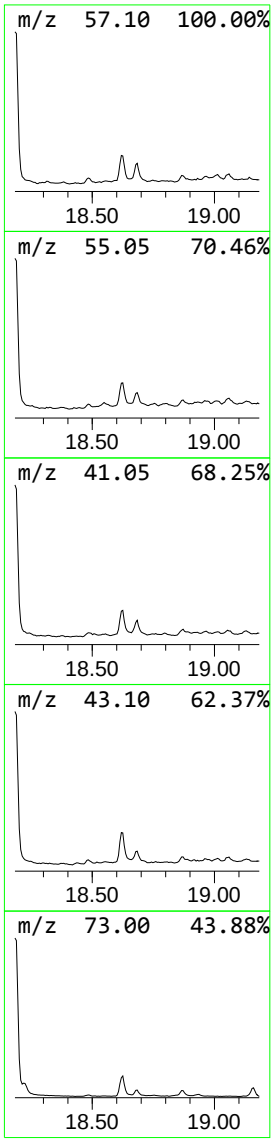
Peak Number 7 Eicosane, 9-cyclohexyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.683	6.16 ng	1021350	Phenanthrene-d10	17.225

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 9-cyclohexyl-	364	C26H52	004443-61-2	50
2	Cyclohexane, (1-hexyltetradecyl)-	364	C26H52	004443-60-1	50
3	Fumaric acid, cyclobutyl pentade...	380	C23H40O4	1000345-04-2	46
4	Cyclopentane, (4-octyldodecyl)-	350	C25H50	005638-09-5	46
5	Heneicosane, 11-cyclopentyl-	364	C26H52	006703-81-7	46





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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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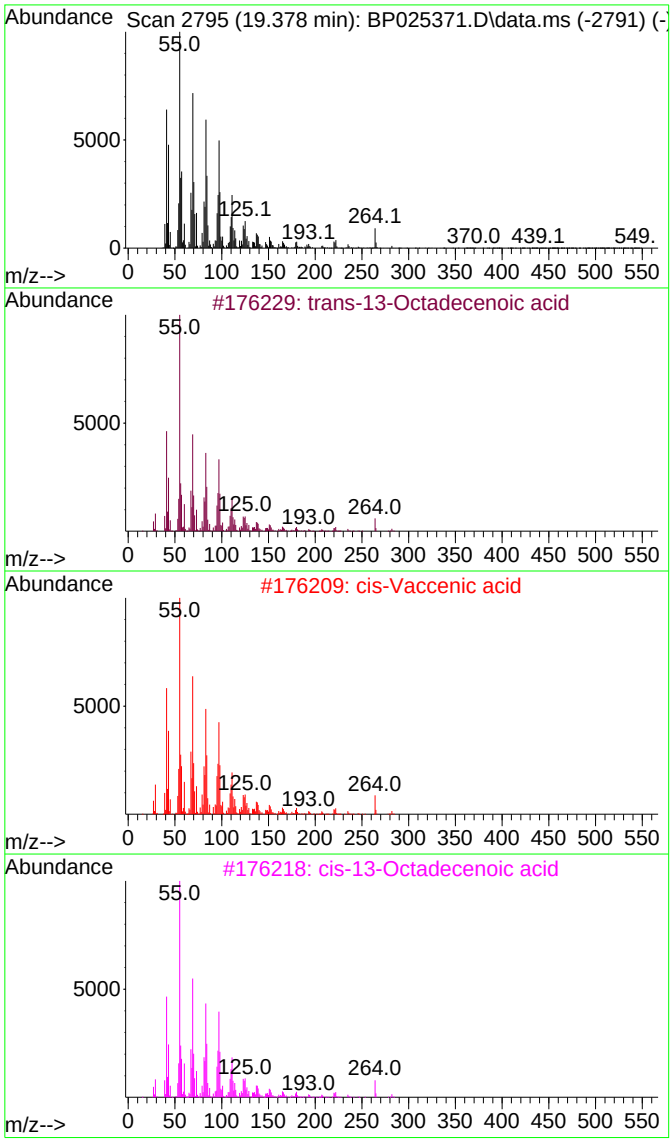
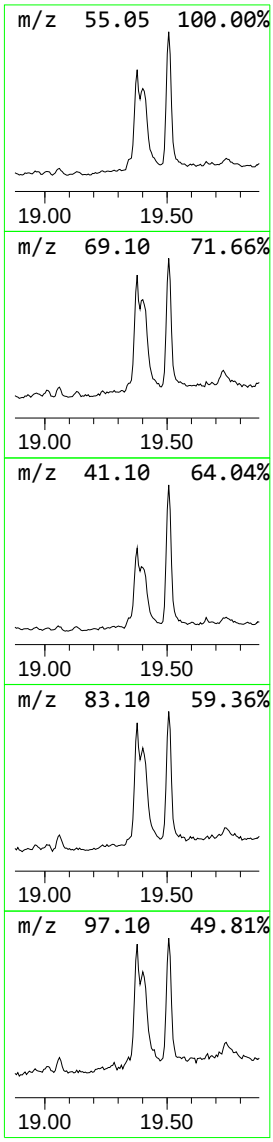
Peak Number 8 trans-13-Octadecenoic acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.378	17.64 ng	2926180	Phenanthrene-d10	17.225

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-13-Octadecenoic acid	282	C18H34O2	000693-71-0	99
2	cis-Vaccenic acid	282	C18H34O2	000506-17-2	98
3	cis-13-Octadecenoic acid	282	C18H34O2	013126-39-1	95
4	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	93
5	Oleic Acid	282	C18H34O2	000112-80-1	91





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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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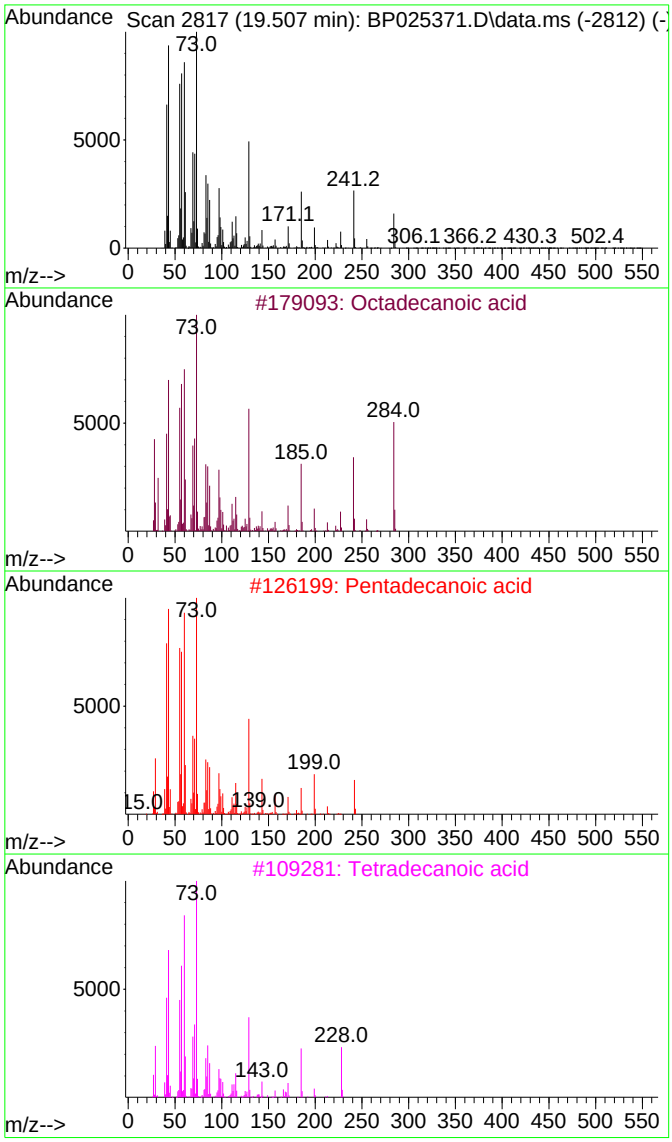
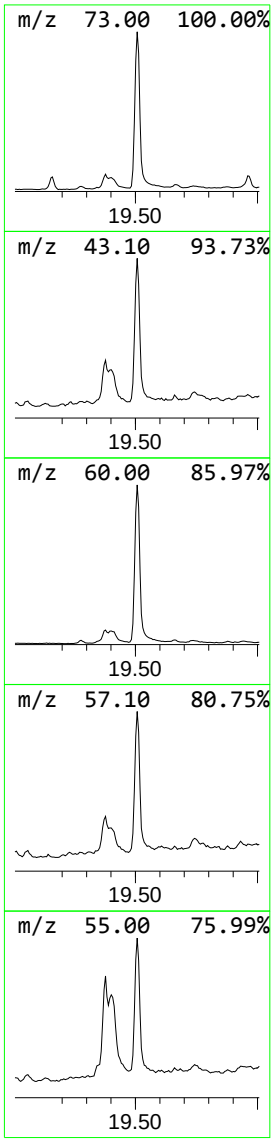
Peak Number 9 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.507	57.63 ng	7351900	Chrysene-d12	21.672

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	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	72
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	72





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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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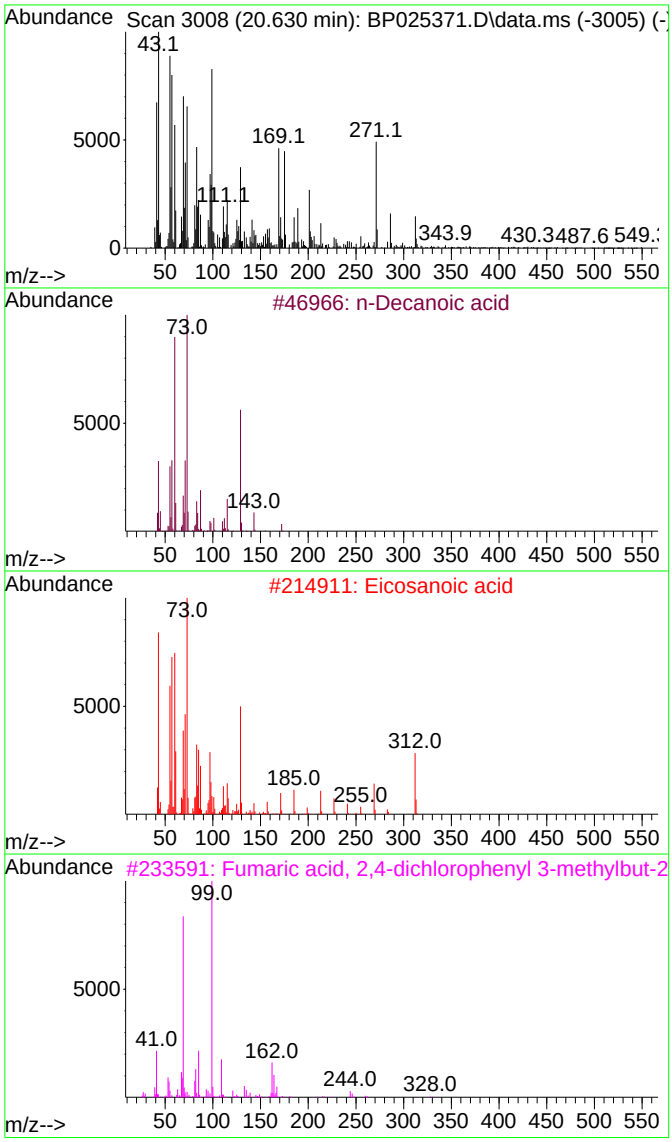
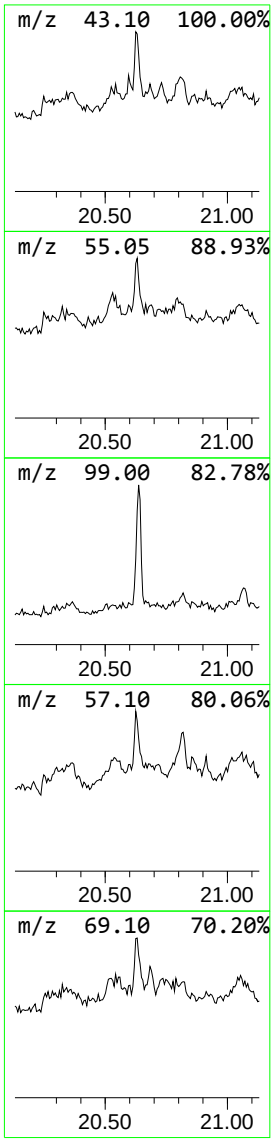
Peak Number 10 n-Decanoic acid Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.630	6.15 ng	784789	Chrysene-d12	21.672

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Decanoic acid	172	C10H20O2	000334-48-5	53
2	Eicosanoic acid	312	C20H40O2	000506-30-9	46
3	Fumaric acid, 2,4-dichlorophenyl...	328	C15H14Cl2O4	1000405-69-4	25
4	Silane, trimethyl-1-propenyl-, (Z)-	114	C6H14Si	004964-02-7	18
5	Pentanoic acid, 4-oxo-, ethyl ester	144	C7H12O3	000539-88-8	18





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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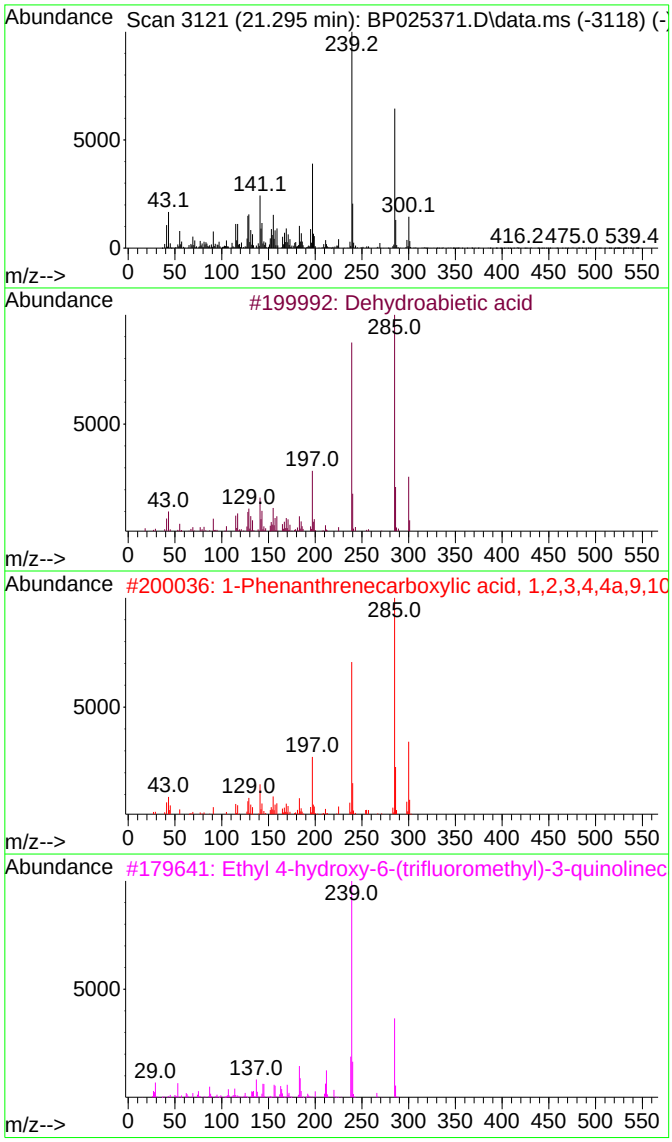
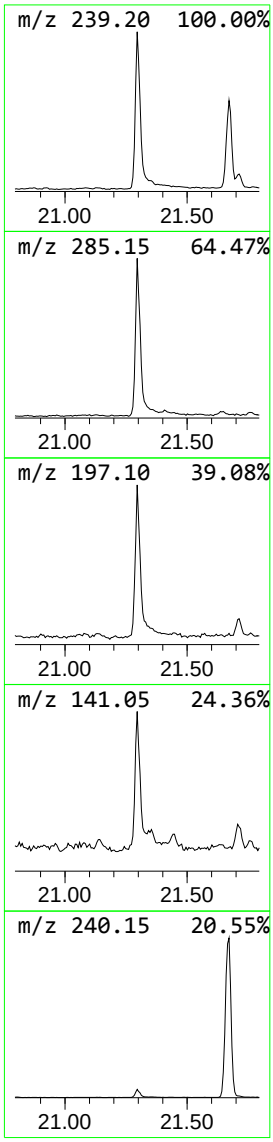
Peak Number 11 Dehydroabietic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.295	11.26 ng	1435940	Chrysene-d12	21.672

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dehydroabietic acid	300	C20H28O2	001740-19-8	99
2	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	86
3	Ethyl 4-hydroxy-6-(trifluorometh...	285	C13H10F3NO3	026893-12-9	60
4	2-Ethylidene-hydrazono-3-methyl-...	239	C10H10ClN3S	1000148-08-4	46
5	trans-1,2-Bis(methyldichlorosily...	252	C4H8Cl4Si2	065899-10-7	35





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

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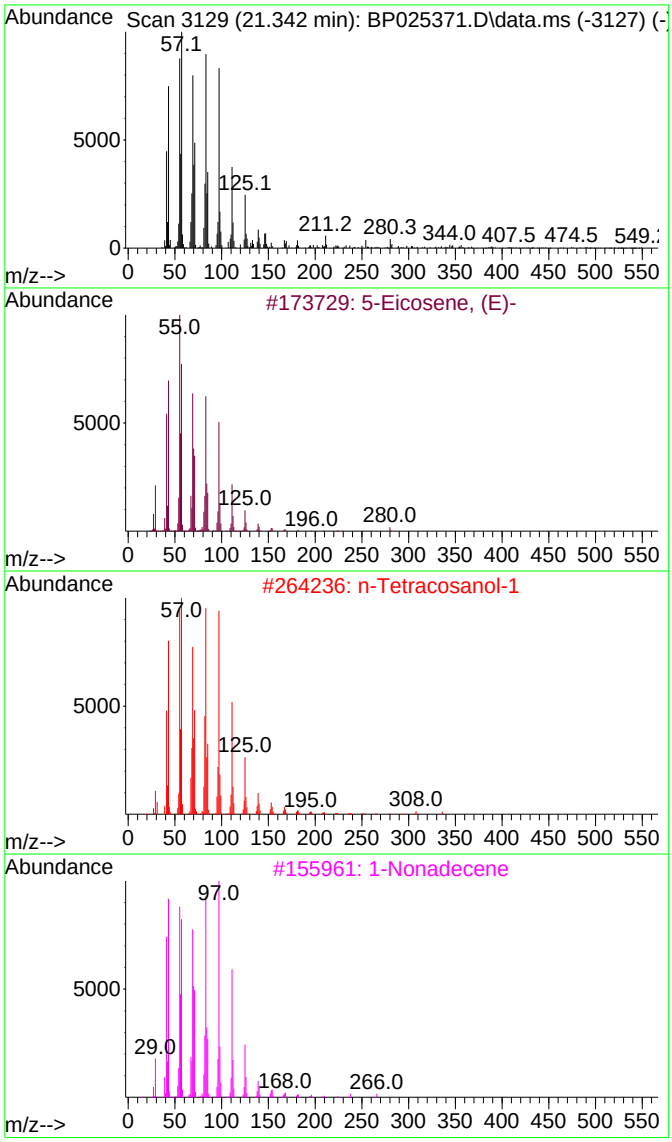
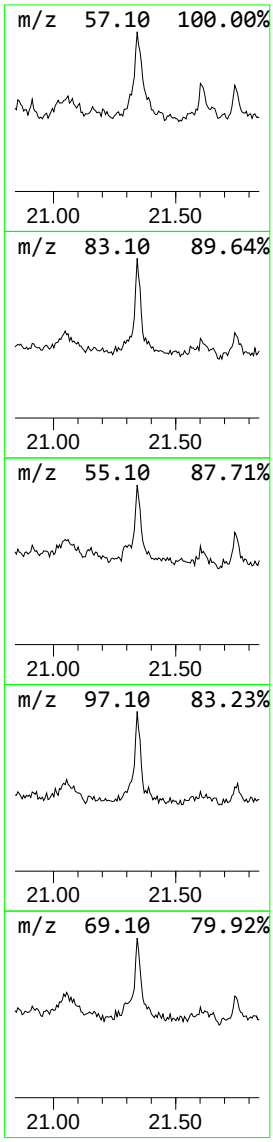
Peak Number 12 5-Eicosene, (E)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.342	6.65 ng	848665	Chrysene-d12	21.672

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	98
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	91
3	1-Nonadecene	266	C19H38	018435-45-5	91
4	1-Hexacosene	364	C26H52	018835-33-1	91
5	Cycloeicosane	280	C20H40	000296-56-0	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025371.D
Acq On : 12 Aug 2025 18:00
Operator : CG/JU
Sample : Q2818-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-2-5-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

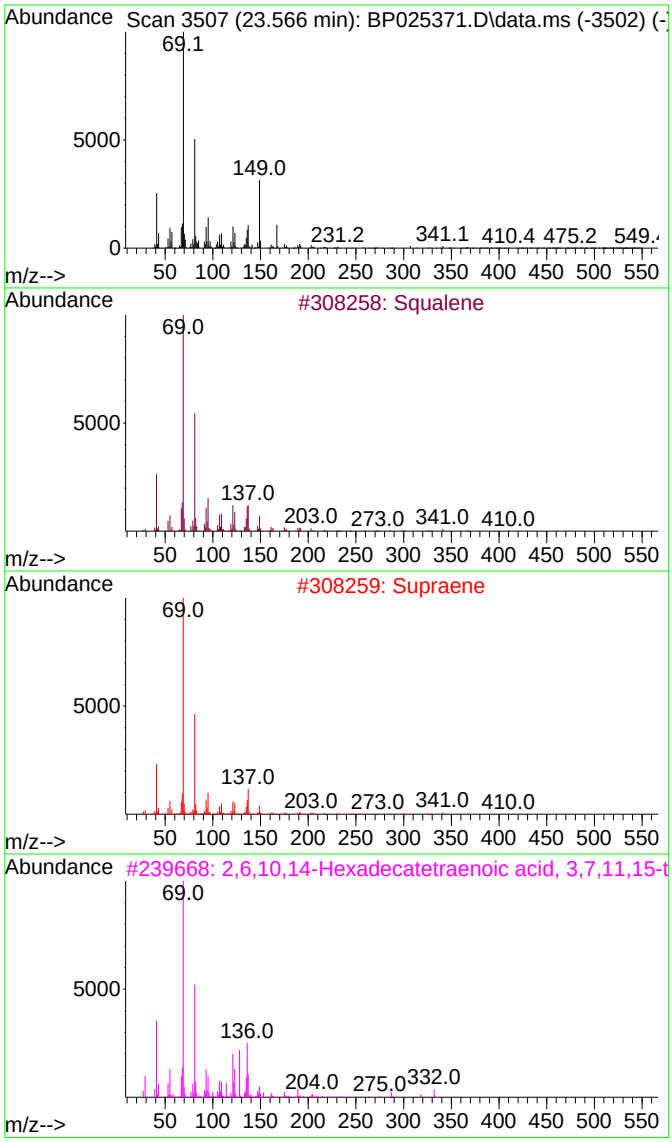
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

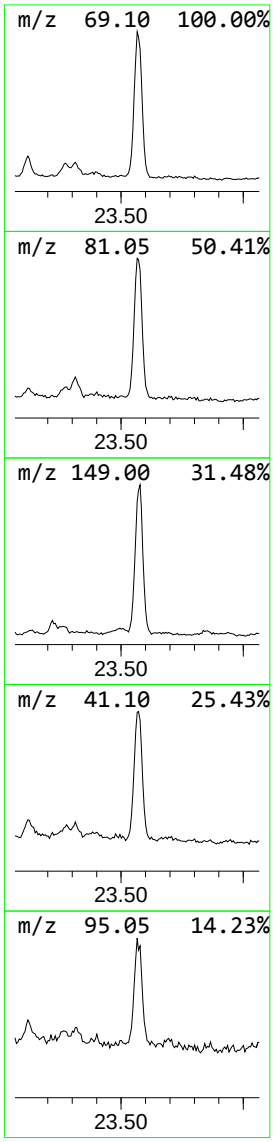
****

Peak Number 13 Squalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.566	24.96 ng	4458580	Perylene-d12	25.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	95
2	Supraene	410	C30H50	007683-64-9	74
3	2,6,10,14-Hexadecatetraenoic aci...	332	C22H36O2	024035-35-6	53
4	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	53
5	Zinc, bis(3,3-dimethyl-4-pentenyl)-	258	C14H26Zn	081069-81-0	43





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Data File : BP025371.D
Acq On : 12 Aug 2025 18:00
Operator : CG/JU
Sample : Q2818-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-2-5-1

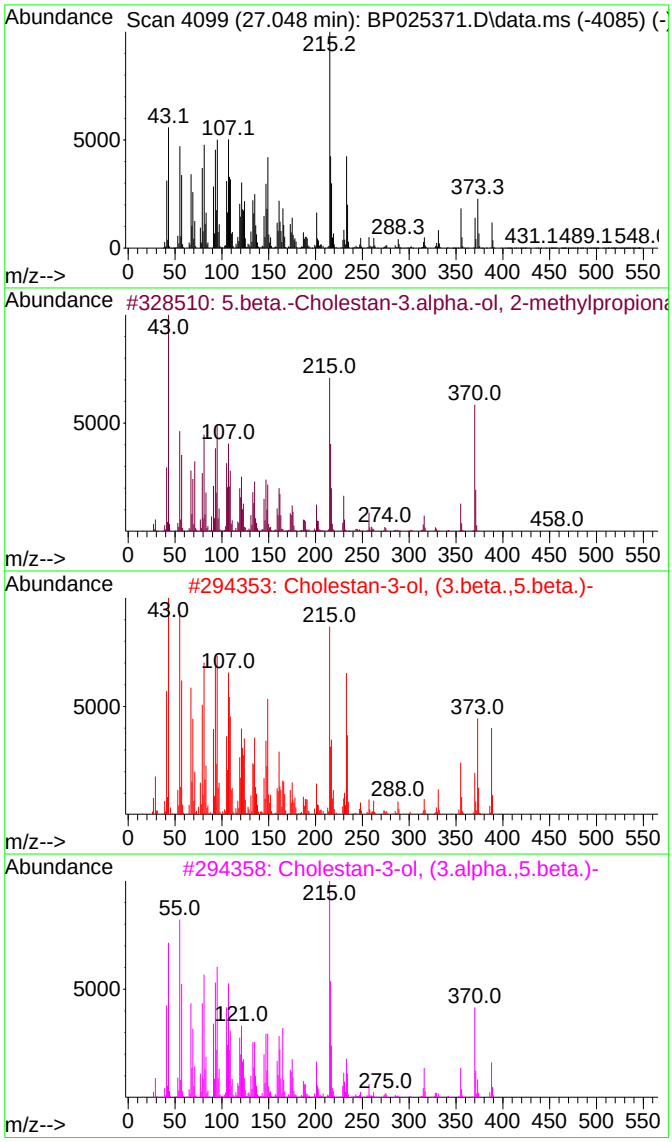
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

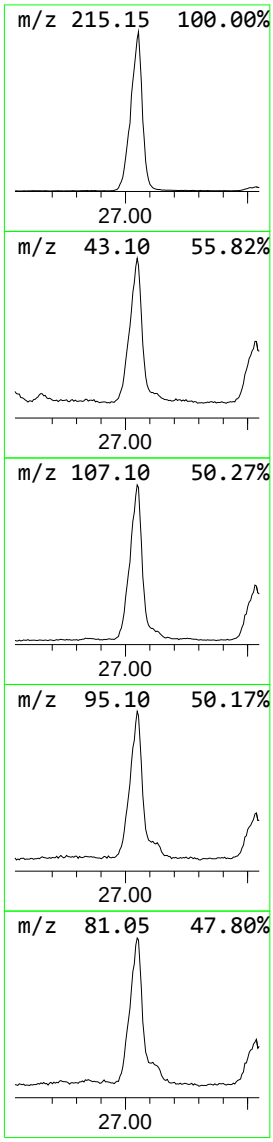
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 5.beta.-Cholestan-3.alpha.-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.048	164.74 ng	29421700	Perylene-d12	25.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5.beta.-Cholestan-3.alpha.-ol, 2...	458	C31H54O2	1000514-95-7	58
2	Cholestan-3-ol, (3.beta.,5.beta.)-	388	C27H48O	000360-68-9	55
3	Cholestan-3-ol, (3.alpha.,5.beta.)-	388	C27H48O	000516-92-7	50
4	Cholestanol	388	C27H48O	000080-97-7	46
5	5.beta.-Cholestan-3.alpha.-ol, a...	430	C29H50O2	033157-47-0	38





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Data File : BP025371.D
Acq On : 12 Aug 2025 18:00
Operator : CG/JU
Sample : Q2818-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-2-5-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

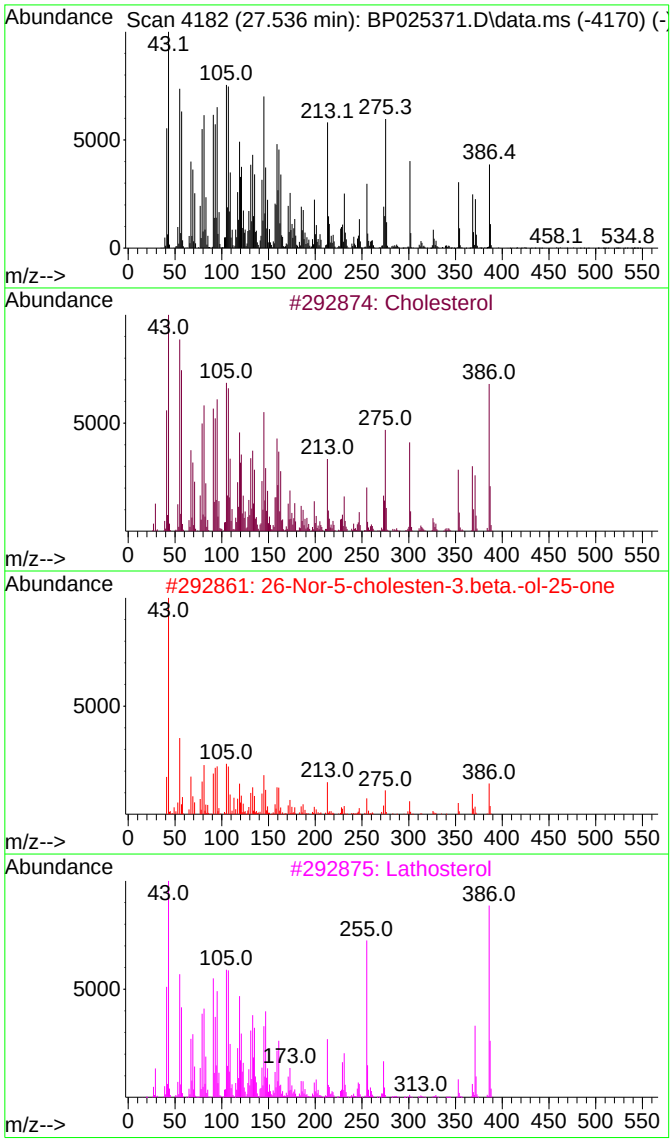
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

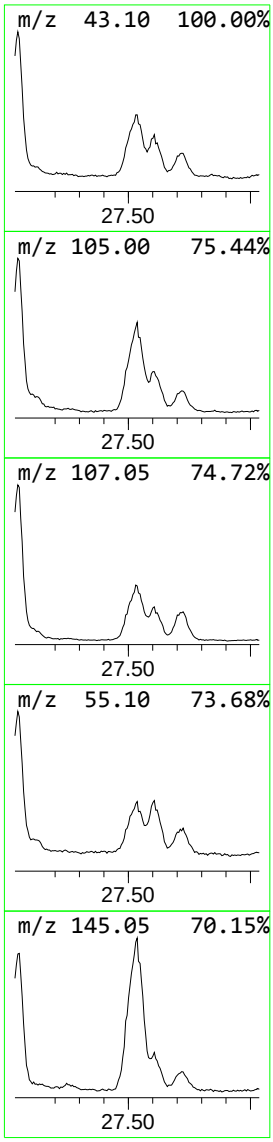
****

Peak Number 15 Cholesterol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.536	65.54 ng	11705800	Perylene-d12	25.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholesterol	386	C27H46O	000057-88-5	99
2	26-Nor-5-cholesten-3.beta.-ol-25...	386	C26H42O2	007494-34-0	99
3	Lathosterol	386	C27H46O	000080-99-9	89
4	Cholestane-3,5-diol, 5-acetate, ...	446	C29H50O3	041721-93-1	64
5	Cholest-5-en-3-ol, (3.alpha.)-	386	C27H46O	000474-77-1	53





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Data File : BP025371.D
Acq On : 12 Aug 2025 18:00
Operator : CG/JU
Sample : Q2818-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-2-5-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

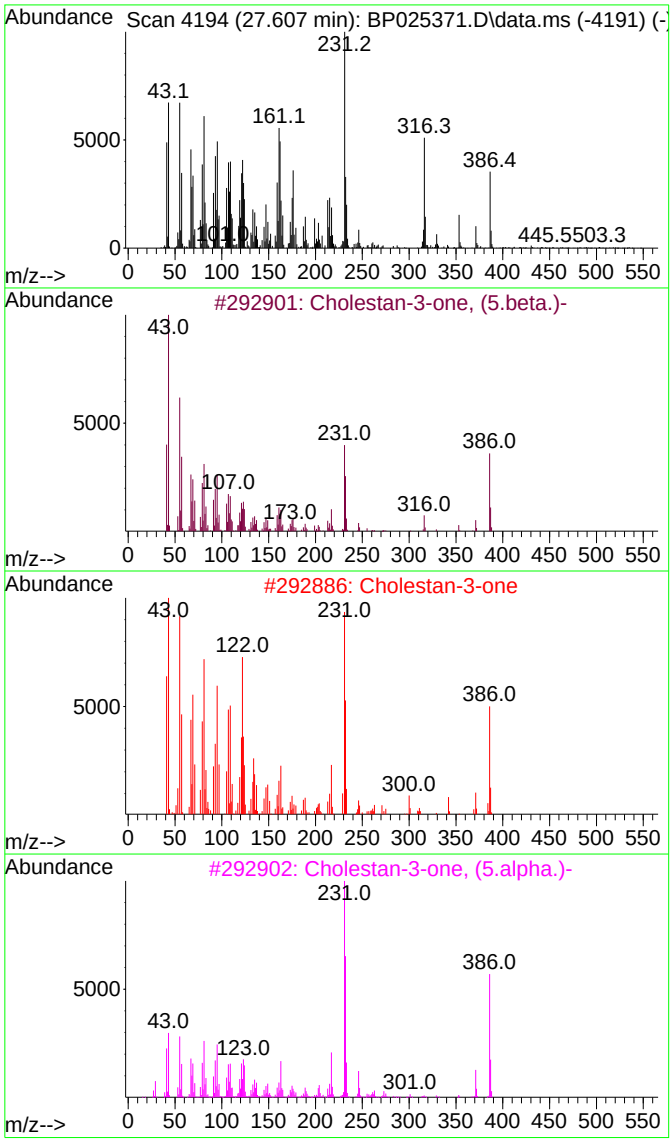
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

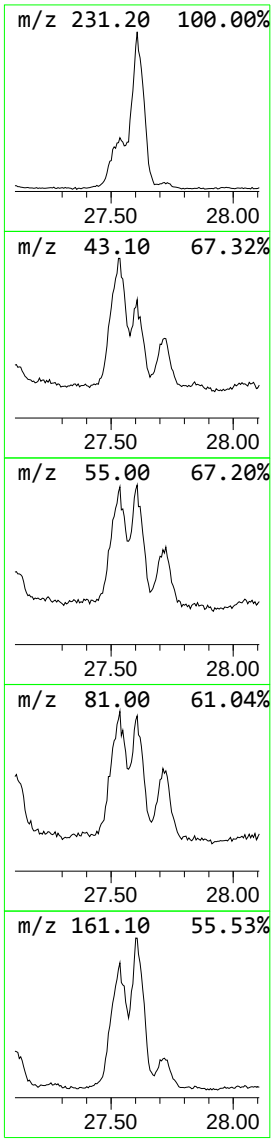
****

Peak Number 16 Cholestan-3-one, (5.beta.)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.607	29.90 ng	5340490	Perylene-d12	25.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholestan-3-one, (5.beta.)-	386	C27H46O	000601-53-6	90
2	Cholestan-3-one	386	C27H46O	015600-08-5	60
3	Cholestan-3-one, (5.alpha.)-	386	C27H46O	000566-88-1	45
4	Cholestan-2-one	386	C27H46O	1010210-43-4	45
5	26-Nor-5-cholesten-3.beta.-ol-25...	386	C26H42O2	007494-34-0	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025371.D
Acq On : 12 Aug 2025 18:00
Operator : CG/JU
Sample : Q2818-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-2-5-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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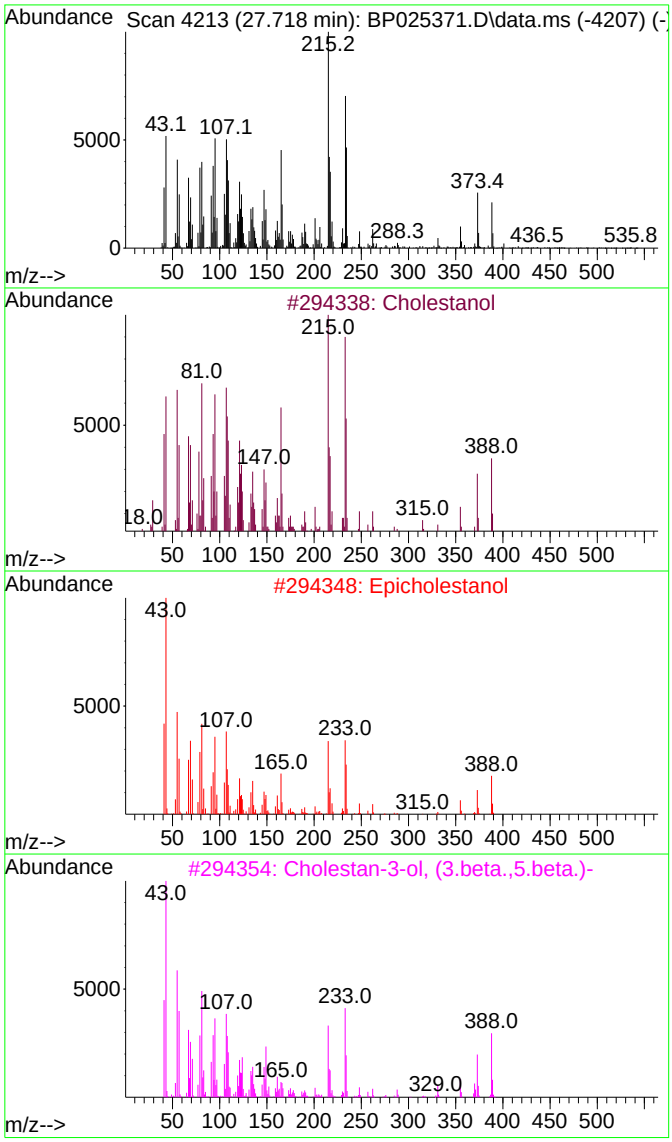
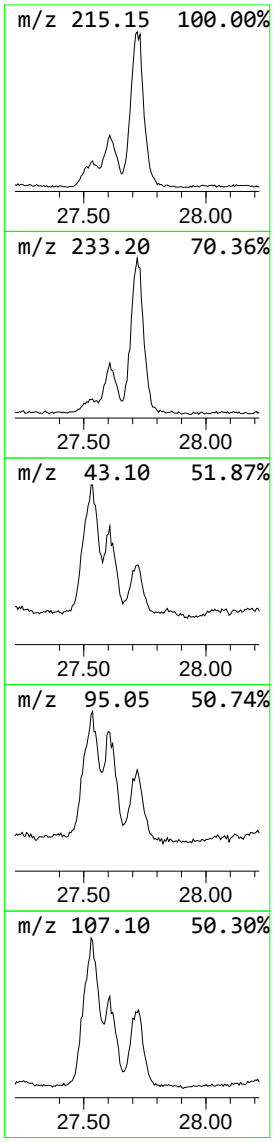
Peak Number 17 Epicholestanol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.718	24.90 ng	4446920	Perylene-d12	25.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholestanol	388	C27H48O	000080-97-7	99
2	Epicholestanol	388	C27H48O	000516-95-0	93
3	Cholestan-3-ol, (3.beta.,5.beta.)-	388	C27H48O	000360-68-9	58
4	Cholestan-3-ol	388	C27H48O	027409-41-2	49
5	4-Cholestanol	388	C27H48O	1000210-30-1	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025371.D
Acq On : 12 Aug 2025 18:00
Operator : CG/JU
Sample : Q2818-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-2-5-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

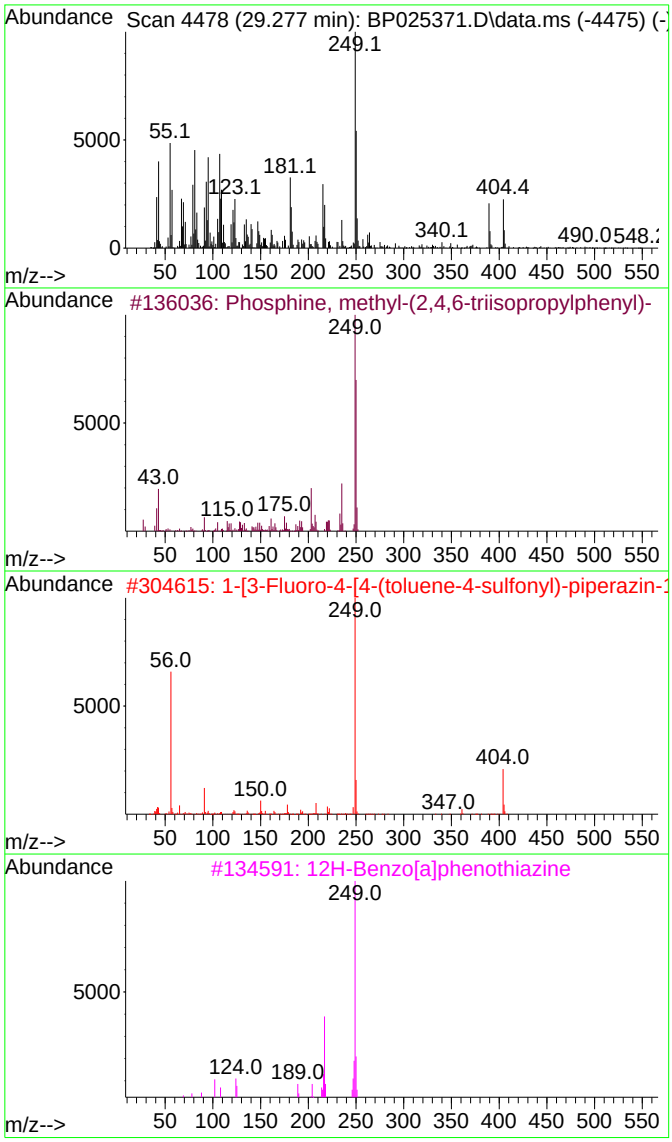
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

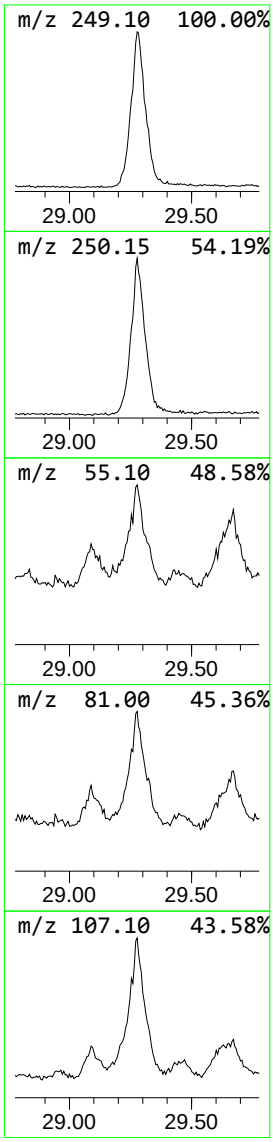
****

Peak Number 18 unknown29.277 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.277	26.22 ng	4682650	Perylene-d12	25.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphine, methyl-(2,4,6-triisop...	250	C16H27P	158748-69-7	38
2	1-[3-Fluoro-4-[4-(toluene-4-sulf...	404	C21H25FN2O3S	333751-65-8	30
3	12H-Benzo[a]phenothiazine	249	C16H11NS	000225-83-2	27
4	2-Thiazolamine, 4-(3,4-dimethoxy...	250	C12H14N2O2S	1000337-84-0	25
5	4-Methoxy-15,17-diazatetracyclo[...	250	C16H14N2O	1000459-82-6	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025371.D
Acq On : 12 Aug 2025 18:00
Operator : CG/JU
Sample : Q2818-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-2-5-1

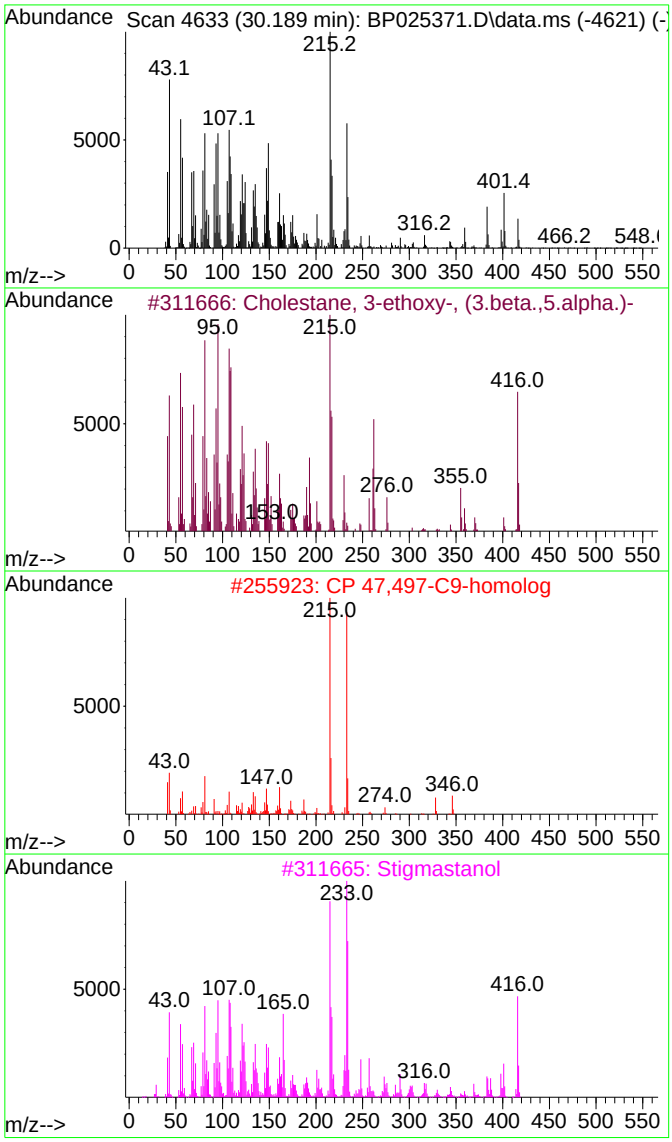
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

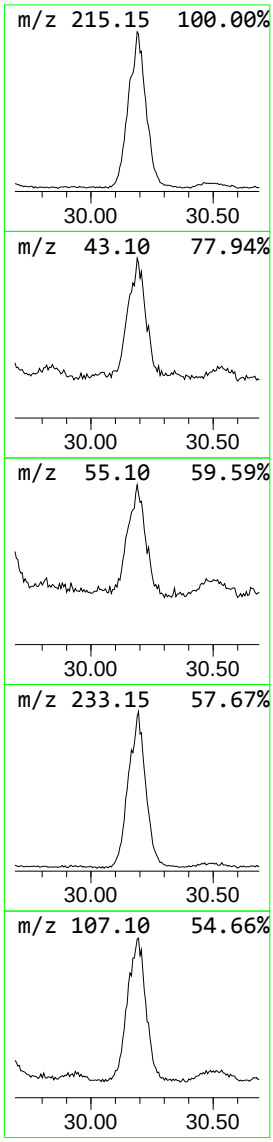
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Cholestane, 3-ethoxy-, (3.b... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
30.189	53.73 ng	9596110	Perylene-d12	25.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholestane, 3-ethoxy-, (3.beta.,...	416	C29H52O	002089-02-3	55
2	CP 47,497-C9-homolog	346	C23H38O2	070435-08-4	43
3	Stigmastanol	416	C29H52O	019466-47-8	38
4	2-Thiophen-2-yl-imidazo[1,2-a]py...	215	C11H9N3S	1000300-55-5	22
5	Cyclopent[e]-1,3-oxazine, octahy...	216	C13H16N2O	1000138-92-2	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025371.D
Acq On : 12 Aug 2025 18:00
Operator : CG/JU
Sample : Q2818-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-2-5-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

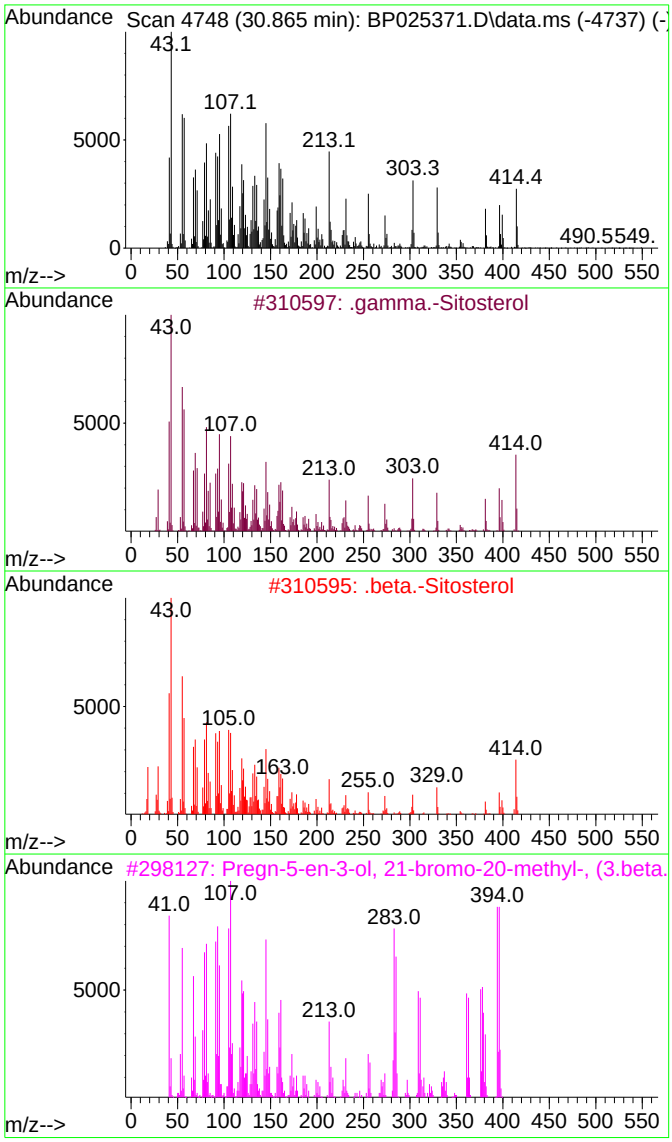
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

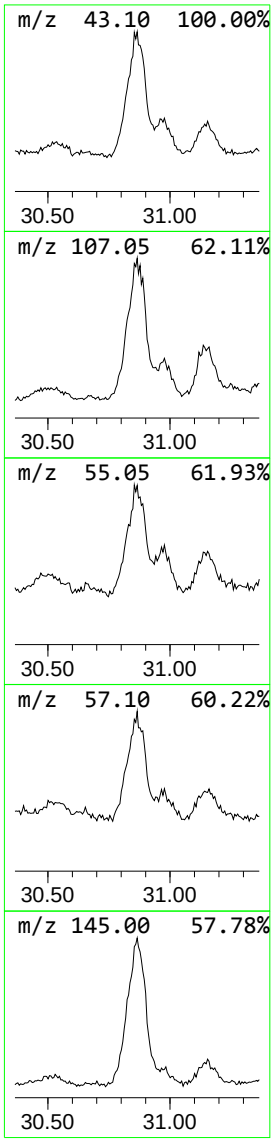
****

Peak Number 20 .gamma.-Sitosterol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
30.865	33.69 ng	6016290	Perylene-d12	25.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	95
3	Pregn-5-en-3-ol, 21-bromo-20-met...	394	C22H35BrO	055103-80-5	92
4	(3S,8S,9S,10R,13R,14S,17R)-17-((...	414	C29H50O	029365-29-5	55
5	Campesterol	400	C28H48O	000474-62-4	53





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Data File : BP025371.D
Acq On : 12 Aug 2025 18:00
Operator : CG/JU
Sample : Q2818-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-2-5-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.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
Butane, 2-metho...	3.049	20.2	ng	1347430	1	7.802	1333000	20.0
Oxime-, methoxy...	5.537	57.9	ng	3860440	1	7.802	1333000	20.0
Cyclotrisiloxan...	8.219	34.2	ng	2279450	1	7.802	1333000	20.0
trans-2-Phenyl-...	14.043	10.2	ng	1369320	3	14.419	2684990	20.0
n-Hexadecanoic ...	18.189	69.8	ng	11571700	4	17.225	3317370	20.0
Heptadecanoic acid	18.625	13.4	ng	2217660	4	17.225	3317370	20.0
Eicosane, 9-cyc...	18.683	6.2	ng	1021350	4	17.225	3317370	20.0
trans-13-Octade...	19.378	17.6	ng	2926180	4	17.225	3317370	20.0
Octadecanoic acid	19.507	57.6	ng	7351900	5	21.672	2551400	20.0
n-Decanoic acid	20.630	6.2	ng	784789	5	21.672	2551400	20.0
Dehydroabietic ...	21.295	11.3	ng	1435940	5	21.672	2551400	20.0
5-Eicosene, (E)-	21.342	6.7	ng	848665	5	21.672	2551400	20.0
Squalene	23.566	25.0	ng	4458580	6	25.065	3571900	20.0
5.beta.-Cholest...	27.048	164.7	ng	29421700	6	25.065	3571900	20.0
Cholesterol	27.536	65.5	ng	11705800	6	25.065	3571900	20.0
Cholestan-3-one...	27.607	29.9	ng	5340490	6	25.065	3571900	20.0
Epicholestanol	27.718	24.9	ng	4446920	6	25.065	3571900	20.0
unknown29.277	29.277	26.2	ng	4682650	6	25.065	3571900	20.0
Cholestane, 3-e...	30.189	53.7	ng	9596110	6	25.065	3571900	20.0
.gamma.-Sitosterol	30.865	33.7	ng	6016290	6	25.065	3571900	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025372.D
Acq On : 12 Aug 2025 18:42
Operator : CG/JU
Sample : Q2818-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3-5-2

Quant Time: Aug 12 22:59:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

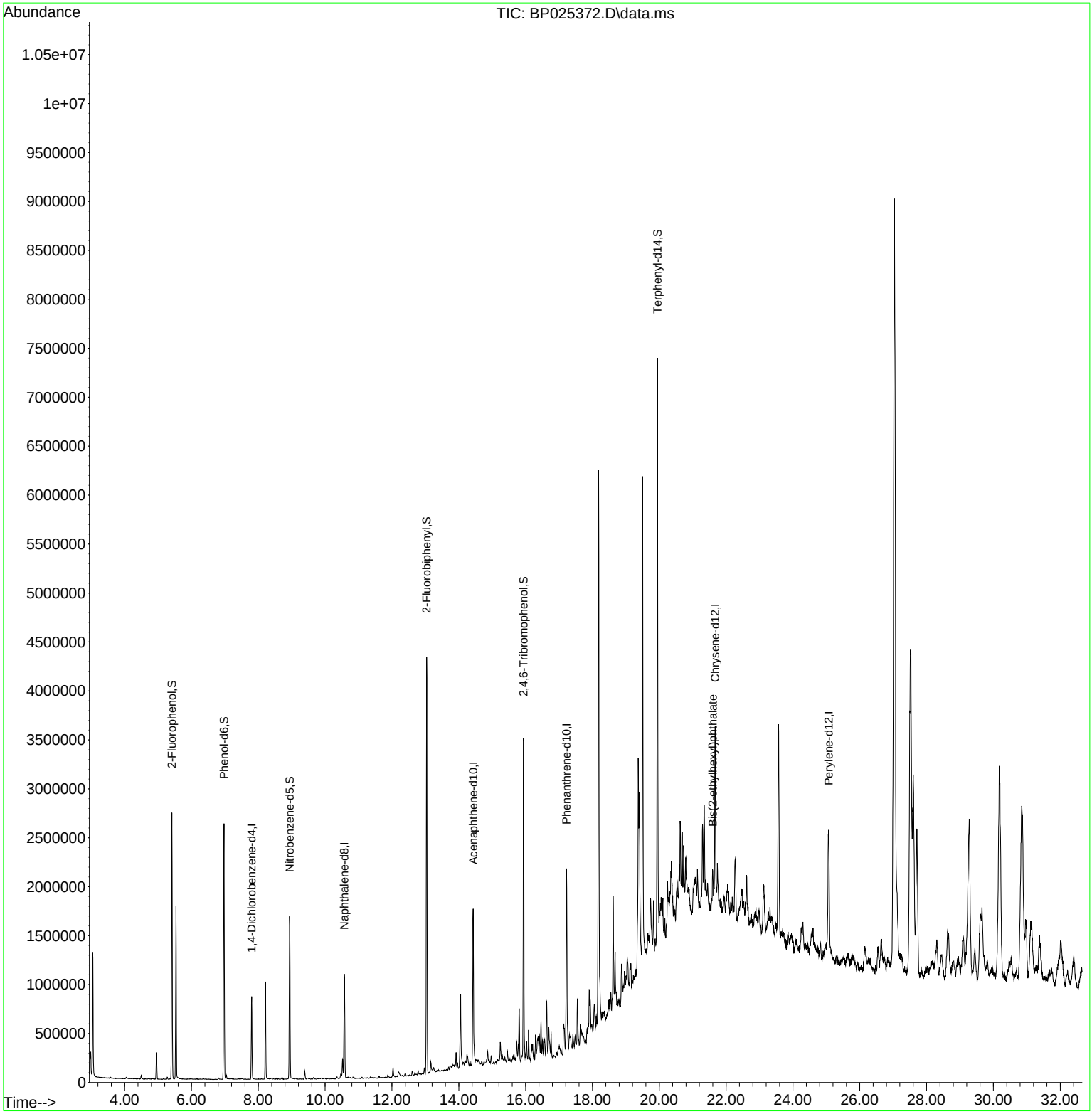
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	234324	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	947209	20.000	ng	0.00
39) Acenaphthene-d10	14.431	164	581002	20.000	ng	0.01
64) Phenanthrene-d10	17.225	188	1109318	20.000	ng	0.00
76) Chrysene-d12	21.672	240	1089871	20.000	ng	0.01
86) Perylene-d12	25.071	264	1282536	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	1205881	82.770	ng	0.00
7) Phenol-d6	6.972	99	1474553	76.904	ng	0.00
23) Nitrobenzene-d5	8.937	82	968536	56.649	ng	0.00
42) 2,4,6-Tribromophenol	15.943	330	629138	108.544	ng	0.02
45) 2-Fluorobiphenyl	13.037	172	2296831	54.602	ng	0.00
79) Terphenyl-d14	19.948	244	3133751	54.309	ng	0.00
Target Compounds						Qvalue
84) Bis(2-ethylhexyl)phtha...	21.601	149	186215	3.968	ng	# 97

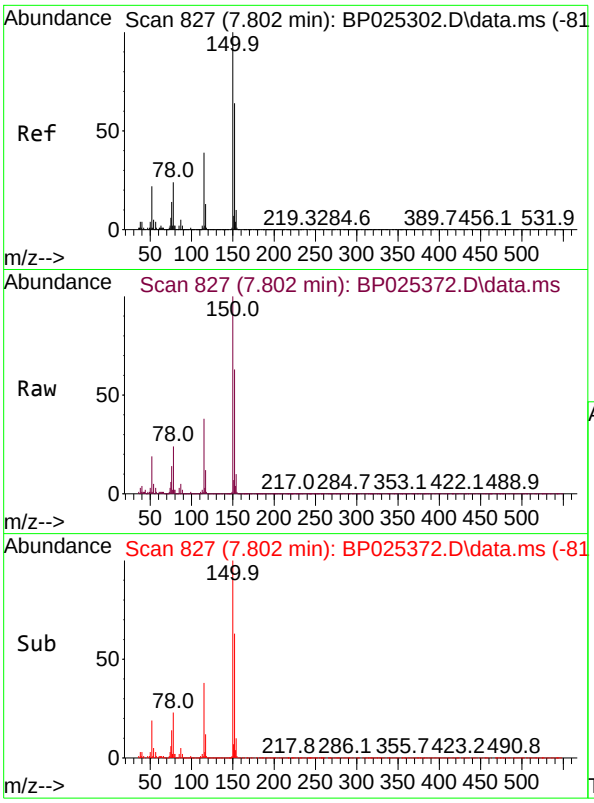
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025372.D
Acq On : 12 Aug 2025 18:42
Operator : CG/JU
Sample : Q2818-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3-5-2

Quant Time: Aug 12 22:59:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration



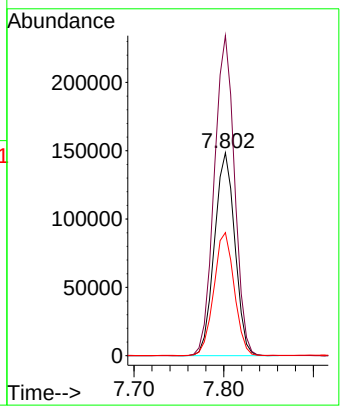


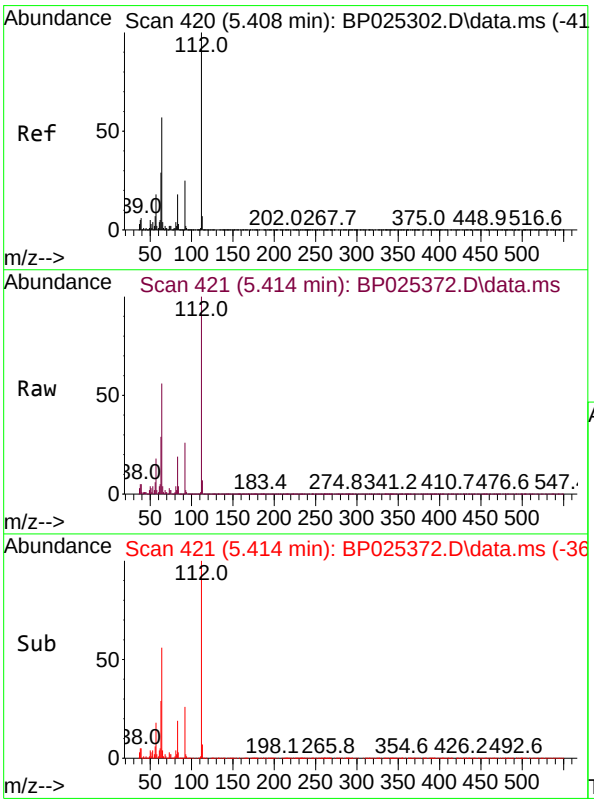
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025372.D
Acq: 12 Aug 2025 18:42

Instrument :
BNA_P
ClientSampleId :
B-3-5-2

Tgt Ion:152 Resp: 234324

Ion	Ratio	Lower	Upper
152	100		
150	157.7	125.1	187.7
115	60.6	48.4	72.6

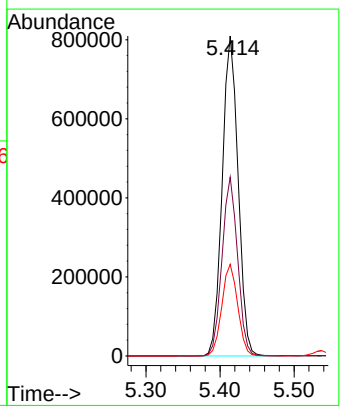


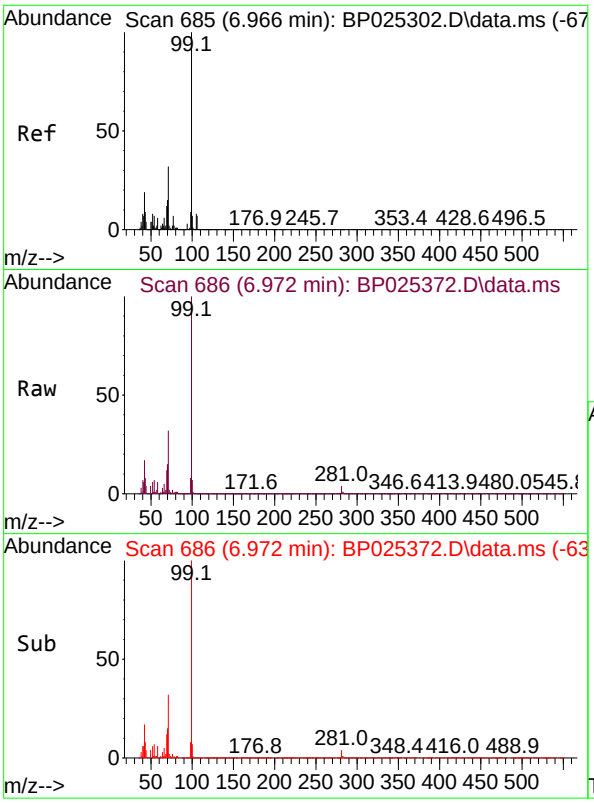


#5
2-Fluorophenol
Concen: 82.770 ng
RT: 5.414 min Scan# 421
Delta R.T. 0.006 min
Lab File: BP025372.D
Acq: 12 Aug 2025 18:42

Tgt Ion:112 Resp: 1205881

Ion	Ratio	Lower	Upper
112	100		
64	55.9	45.3	67.9
63	28.7	23.0	34.6



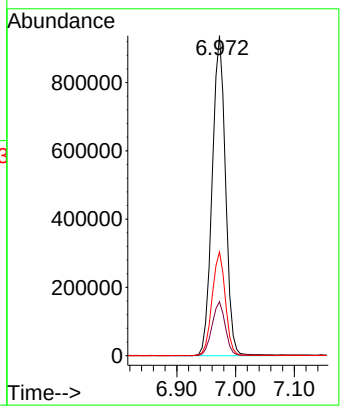


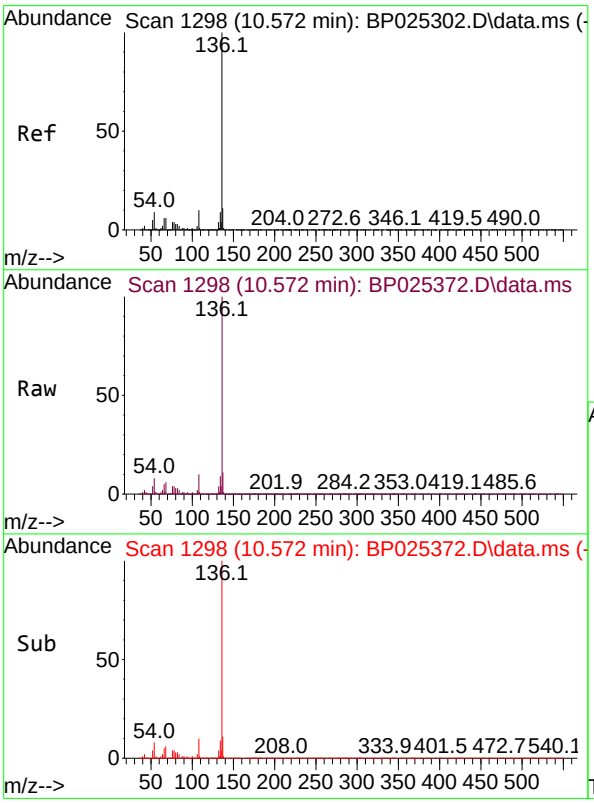
#7
Phenol-d6
Concen: 76.904 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025372.D
Acq: 12 Aug 2025 18:42

Instrument :
BNA_P
ClientSampleId :
B-3-5-2

Tgt Ion: 99 Resp: 1474553

Ion	Ratio	Lower	Upper
99	100		
42	16.9	15.0	22.6
71	32.4	25.5	38.3

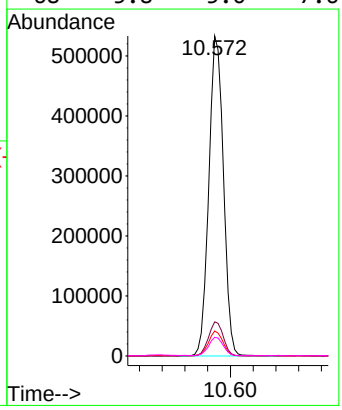


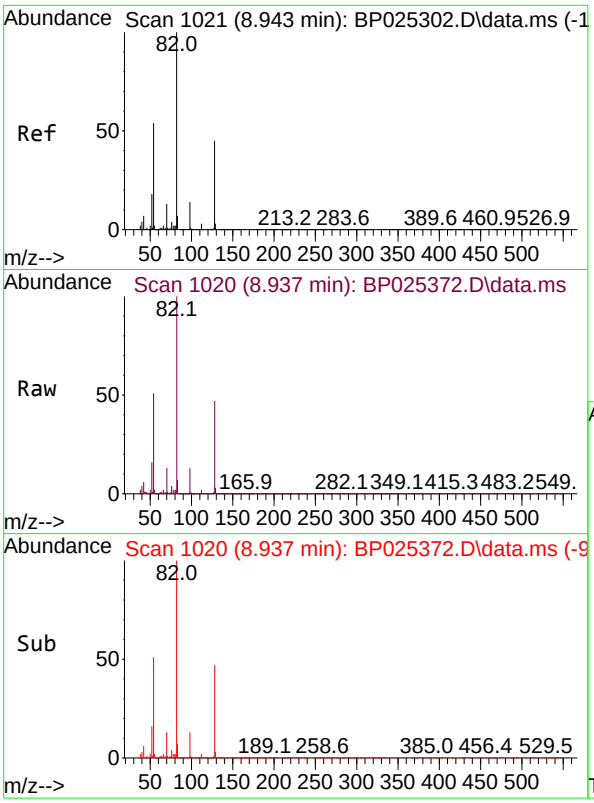


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BP025372.D
Acq: 12 Aug 2025 18:42

Tgt Ion:136 Resp: 947209

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.8	7.0	10.6
68	5.8	5.0	7.6



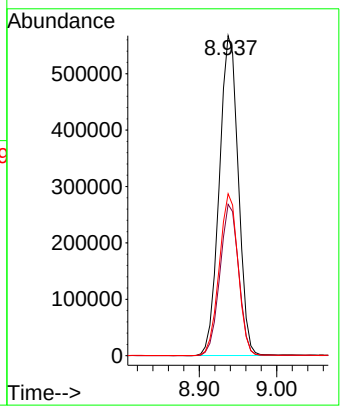


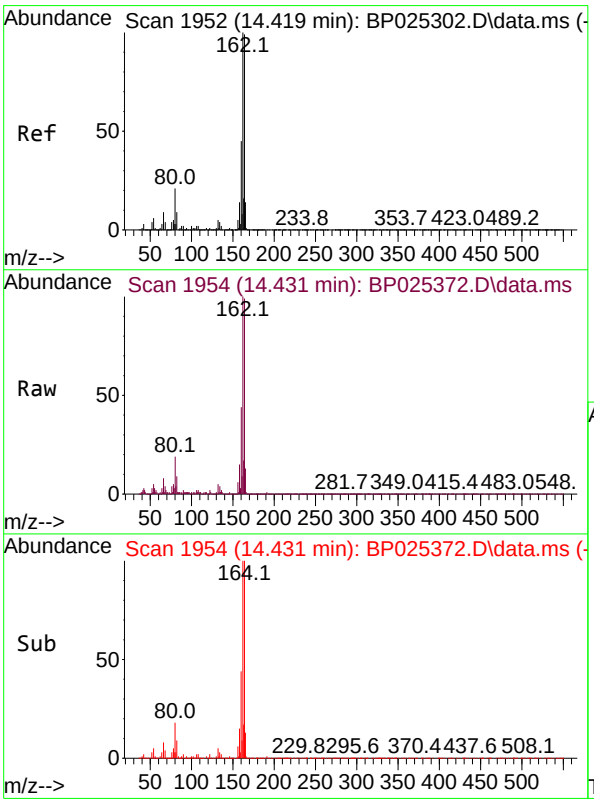
#23
Nitrobenzene-d5
Concen: 56.649 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025372.D
Acq: 12 Aug 2025 18:42

Instrument :
BNA_P
ClientSampleId :
B-3-5-2

Tgt Ion: 82 Resp: 968536

Ion	Ratio	Lower	Upper
82	100		
128	47.3	35.4	53.2
54	50.6	42.9	64.3

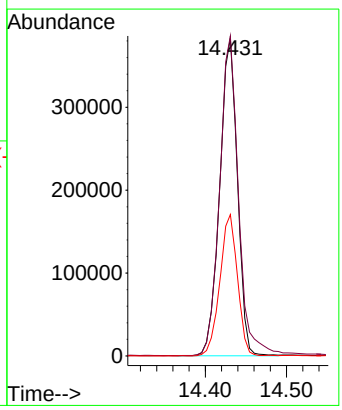


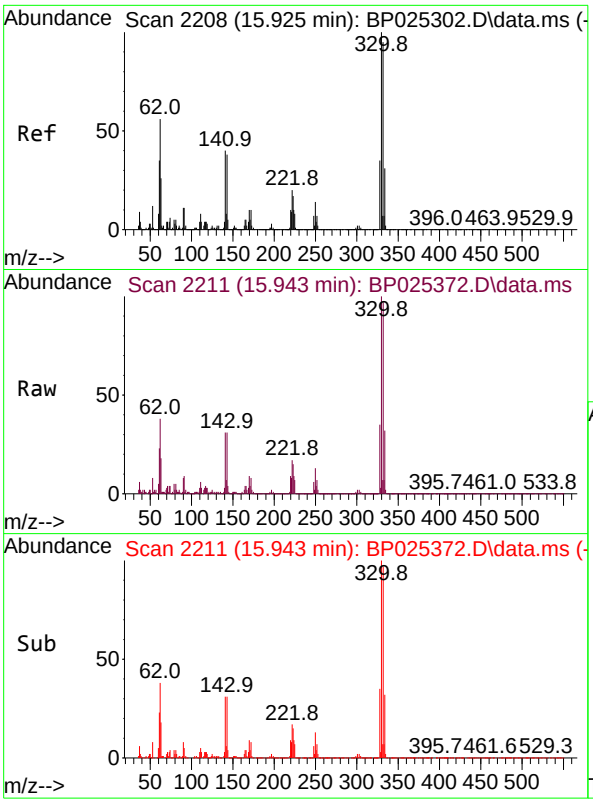


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.431 min Scan# 1954
Delta R.T. 0.012 min
Lab File: BP025372.D
Acq: 12 Aug 2025 18:42

Tgt Ion:164 Resp: 581002

Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.6	120.8
160	44.5	35.9	53.9



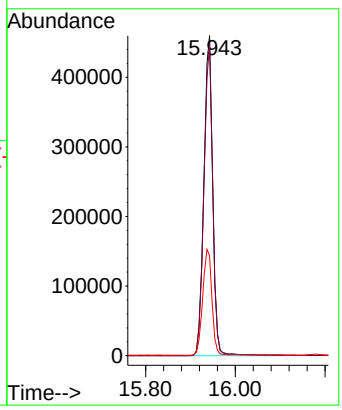


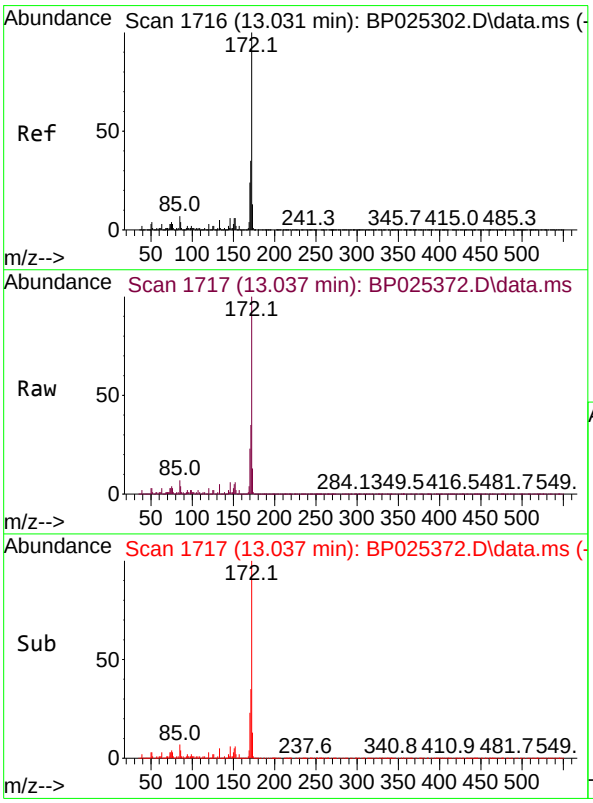
#42
2,4,6-Tribromophenol
Concen: 108.544 ng
RT: 15.943 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP025372.D
Acq: 12 Aug 2025 18:42

Instrument :
BNA_P
ClientSampleId :
B-3-5-2

Tgt Ion:330 Resp: 629138

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.0
141	34.3	31.7	47.5

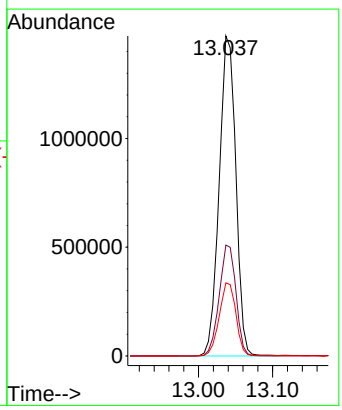


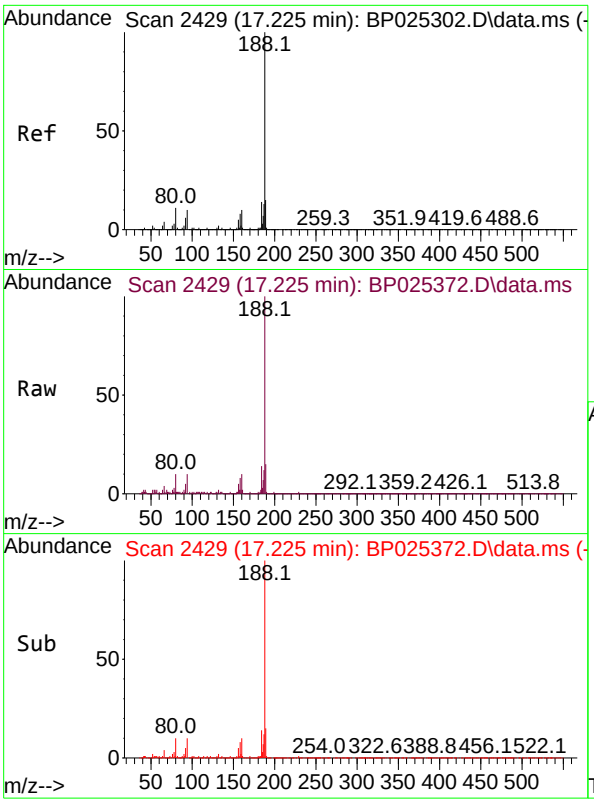


#45
2-Fluorobiphenyl
Concen: 54.602 ng
RT: 13.037 min Scan# 1717
Delta R.T. 0.006 min
Lab File: BP025372.D
Acq: 12 Aug 2025 18:42

Tgt Ion:172 Resp: 2296831

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.9	41.9
170	22.9	18.9	28.3



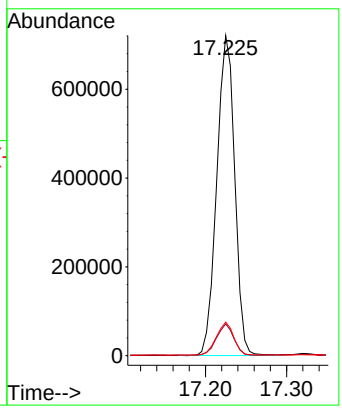


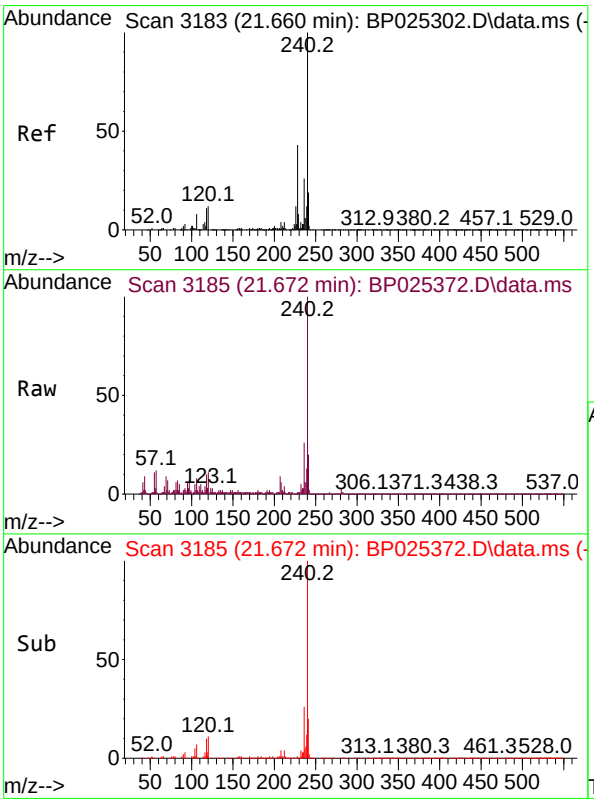
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025372.D
Acq: 12 Aug 2025 18:42

Instrument :
BNA_P
ClientSampleId :
B-3-5-2

Tgt Ion:188 Resp: 1109318

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.0	12.0
80	10.5	8.5	12.7

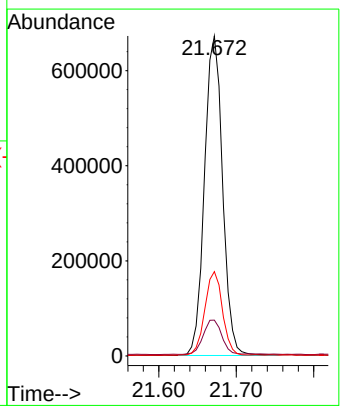


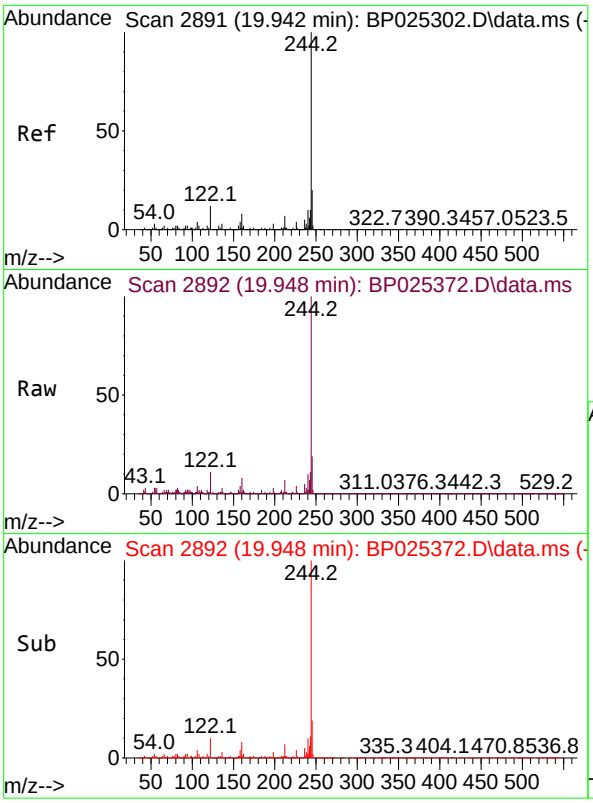


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.672 min Scan# 3185
Delta R.T. 0.012 min
Lab File: BP025372.D
Acq: 12 Aug 2025 18:42

Tgt Ion:240 Resp: 1089871

Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.6	14.4
236	26.4	20.4	30.6



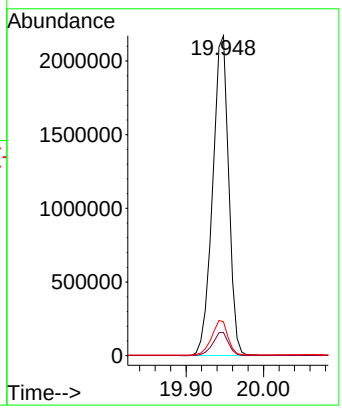


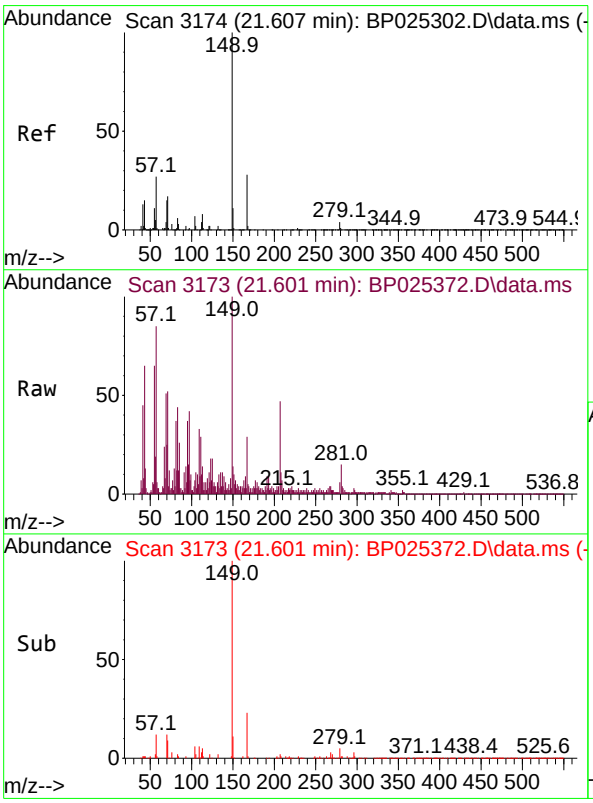
#79
Terphenyl-d14
Concen: 54.309 ng
RT: 19.948 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025372.D
Acq: 12 Aug 2025 18:42

Instrument :
BNA_P
ClientSampleId :
B-3-5-2

Tgt Ion:244 Resp: 3133751

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	10.6	9.5	14.3

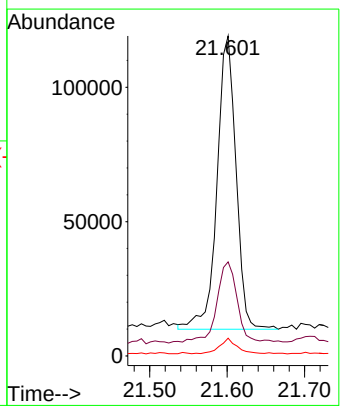


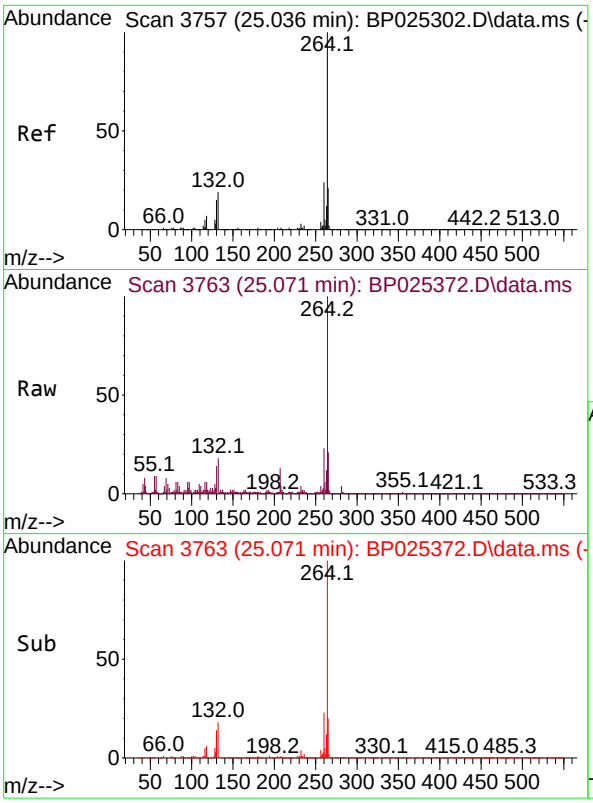


#84
Bis(2-ethylhexyl)phthalate
Concen: 3.968 ng
RT: 21.601 min Scan# 3173
Delta R.T. -0.006 min
Lab File: BP025372.D
Acq: 12 Aug 2025 18:42

Tgt Ion:149 Resp: 186215

Ion	Ratio	Lower	Upper
149	100		
167	29.4	22.1	33.1
279	5.5	3.4	5.2#



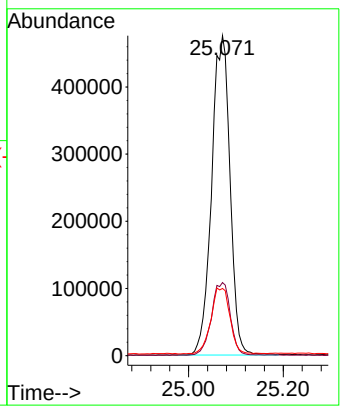


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.071 min Scan# 3
Delta R.T. 0.035 min
Lab File: BP025372.D
Acq: 12 Aug 2025 18:42

Instrument :
BNA_P
ClientSampleId :
B-3-5-2

Tgt Ion:264 Resp: 1282536

Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.0	17.1	25.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025372.D
Acq On : 12 Aug 2025 18:42
Operator : CG/JU
Sample : Q2818-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3-5-2

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025372.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.984	3	8	13	rVB2	228128	411029	1.38%	0.278%
2	3.043	13	18	34	rVB	1272701	1797948	6.04%	1.215%
3	4.955	337	343	350	rVB	272200	403971	1.36%	0.273%
4	5.414	414	421	430	rVB	2719577	4015165	13.49%	2.713%
5	5.537	434	442	452	rBV	1767474	2359848	7.93%	1.595%
6	6.972	677	686	694	rBV	2612872	4167902	14.00%	2.817%
7	7.802	820	827	835	rBV	847142	1353706	4.55%	0.915%
8	8.214	889	897	908	rBV	996963	1369721	4.60%	0.926%
9	8.937	1012	1020	1030	rBV	1659578	2844081	9.55%	1.922%
10	10.519	1285	1289	1293	rVV	195653	321584	1.08%	0.217%
11	10.572	1293	1298	1307	rVB	1063070	1893662	6.36%	1.280%
12	13.037	1710	1717	1728	rBV	4261283	6612313	22.21%	4.468%
13	14.054	1882	1890	1901	rBV	742758	1546716	5.20%	1.045%
14	14.431	1946	1954	1965	rBV	1588547	2857573	9.60%	1.931%
15	15.731	2171	2175	2180	rBV5	182827	311492	1.05%	0.211%
16	15.807	2181	2188	2194	rVB2	538087	984104	3.31%	0.665%
17	15.937	2205	2210	2218	rVB	3262726	4797048	16.12%	3.242%
18	16.090	2232	2236	2241	rVB2	294396	400468	1.35%	0.271%
19	16.295	2267	2271	2275	rBV	245819	375638	1.26%	0.254%
20	16.460	2295	2299	2303	rVB	341943	418319	1.41%	0.283%
21	16.625	2322	2327	2333	rBV4	532441	951859	3.20%	0.643%
22	16.690	2335	2338	2347	rVV2	290332	636414	2.14%	0.430%
23	16.766	2347	2351	2358	rVB	240484	346332	1.16%	0.234%
24	17.142	2410	2415	2417	rBV2	279746	521491	1.75%	0.352%
25	17.225	2423	2429	2439	rVB2	1835078	3271335	10.99%	2.211%
26	17.554	2480	2485	2493	rVB	472287	841226	2.83%	0.568%
27	17.642	2495	2500	2503	rBV2	215372	346291	1.16%	0.234%
28	17.901	2541	2544	2547	rBV2	377956	514929	1.73%	0.348%
29	18.054	2566	2570	2576	rVB3	243082	433195	1.46%	0.293%
30	18.184	2585	2592	2606	rBV	5633968	10272650	34.51%	6.942%
31	18.619	2662	2666	2673	rBV3	1055709	1510307	5.07%	1.021%
32	18.678	2673	2676	2681	rVV	436970	460873	1.55%	0.311%
33	18.878	2705	2710	2714	rBV2	369712	724536	2.43%	0.490%
34	19.372	2786	2794	2796	rBV2	2194175	3597543	12.09%	2.431%
35	19.501	2811	2816	2827	rBV	4891749	6533393	21.95%	4.415%
36	19.831	2869	2872	2876	rVB	521315	658953	2.21%	0.445%

Sample Results: **BP025372.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025372.D
Acq On : 12 Aug 2025 18:42
Operator : CG/JU
Sample : Q2818-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3-5-2

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.948	2886	2892	2899	rBV	5858807	8969820	30.13%	6.062%
38	20.625	3005	3007	3012	rVB3	642975	817509	2.75%	0.552%
39	20.683	3015	3017	3021	rVB2	564991	598538	2.01%	0.404%
40	21.295	3118	3121	3125	rBV	616107	930659	3.13%	0.629%
41	21.342	3125	3129	3134	rVB2	872163	1456396	4.89%	0.984%
42	21.672	3181	3185	3193	rVB2	1695084	2651328	8.91%	1.792%
43	23.566	3501	3507	3515	rVB2	2155540	4884225	16.41%	3.301%
44	25.071	3757	3763	3770	rVB3	1197444	2947922	9.90%	1.992%
45	27.036	4085	4097	4119	rVB2	7720080	29766078	100.00%	20.115%
46	27.518	4169	4179	4180	rBV3	2986313	7322502	24.60%	4.948%
47	27.707	4205	4211	4226	rVB2	1515420	4840993	16.26%	3.271%
48	30.177	4620	4631	4652	rVB3	2157564	10140629	34.07%	6.853%
49	30.848	4739	4745	4748	rBV4	767532	1786661	6.00%	1.207%

Sum of corrected areas: 147976875

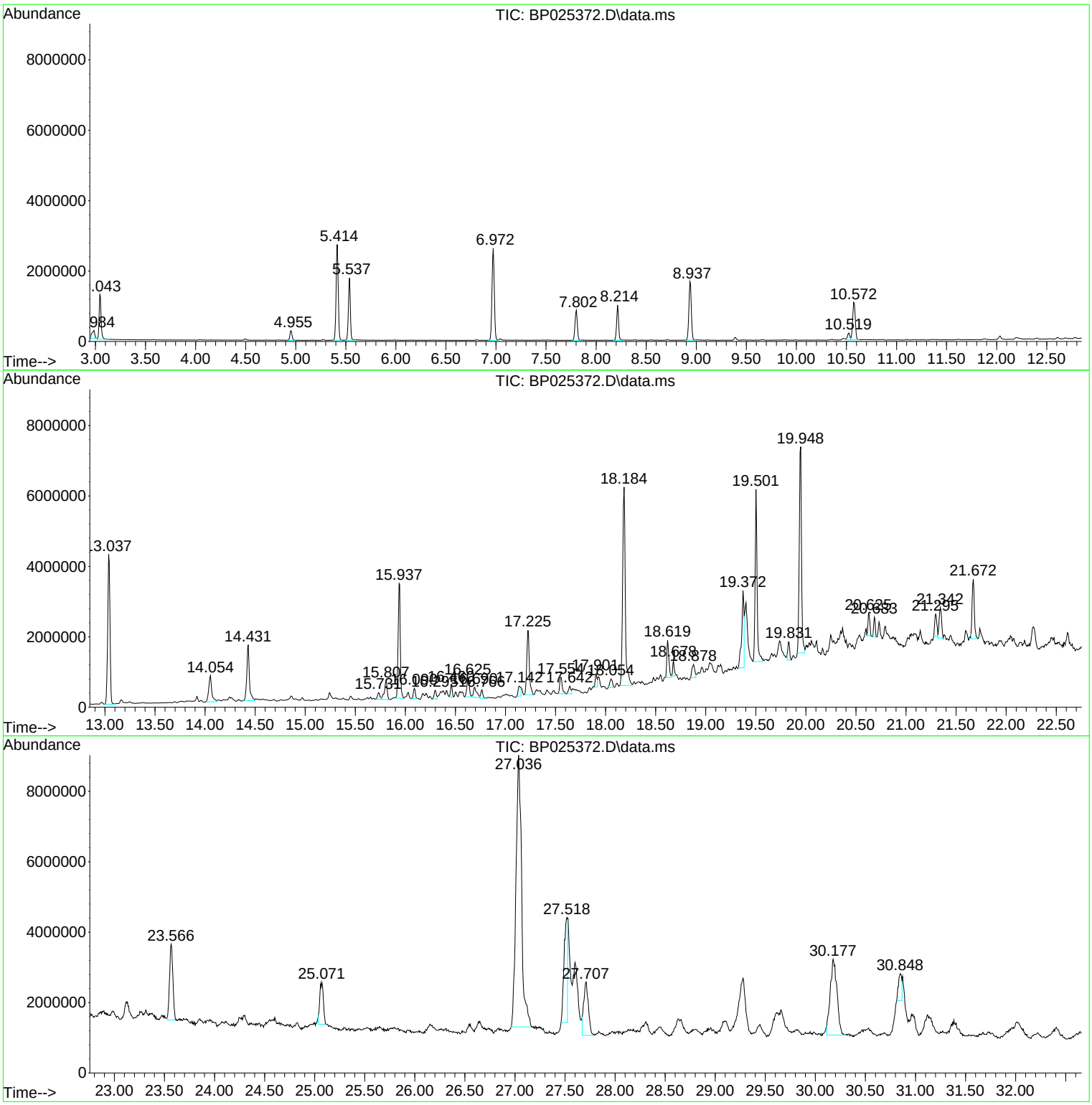
Sample Results: **BP025372.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025372.D
Acq On : 12 Aug 2025 18:42
Operator : CG/JU
Sample : Q2818-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3-5-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Acq On : 12 Aug 2025 18:42
Operator : CG/JU
Sample : Q2818-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3-5-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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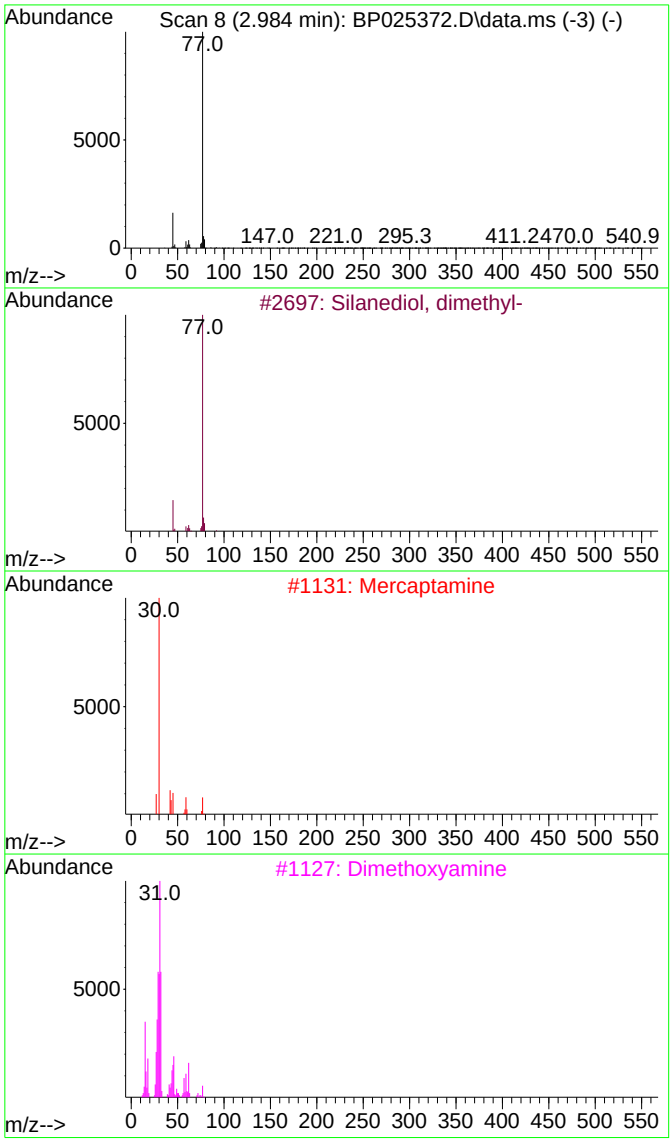
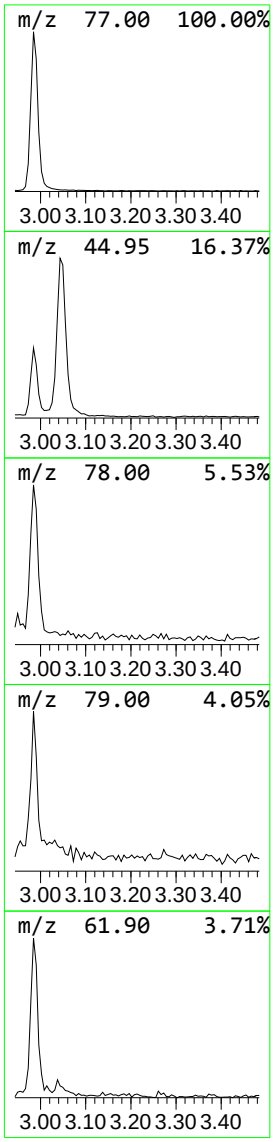
Peak Number 1 Silanediol, dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.984	6.07 ng	411029	1,4-Dichlorobenzene-d4	7.802

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silanediol, dimethyl-	92	C2H8O2Si	001066-42-8	86
2	Mercaptamine	77	C2H7NS	000060-23-1	2
3	Dimethoxyamine	77	C2H7NO2	007487-32-3	1
4	1,5-Hexadiene, 3,3,4,4-tetrafluoro-	154	C6H6F4	001763-21-9	1
5	Propane, 1,1-dichloro-	112	C3H6Cl2	000078-99-9	1





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TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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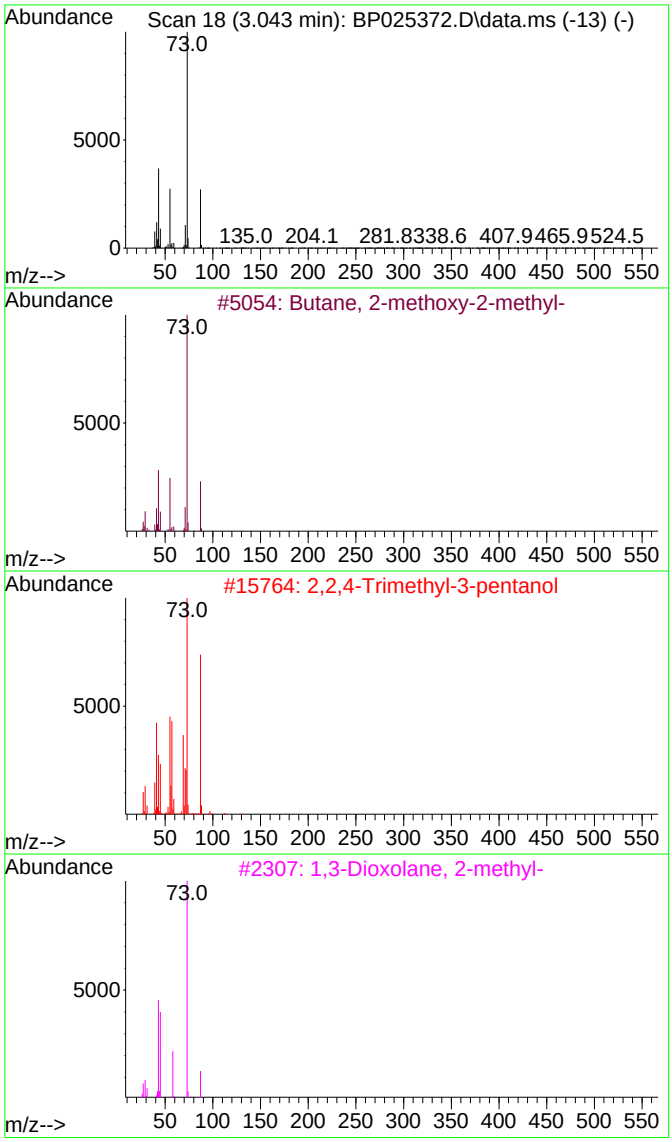
Instrument : BNA_P
ClientSampleId : B-3-5-2

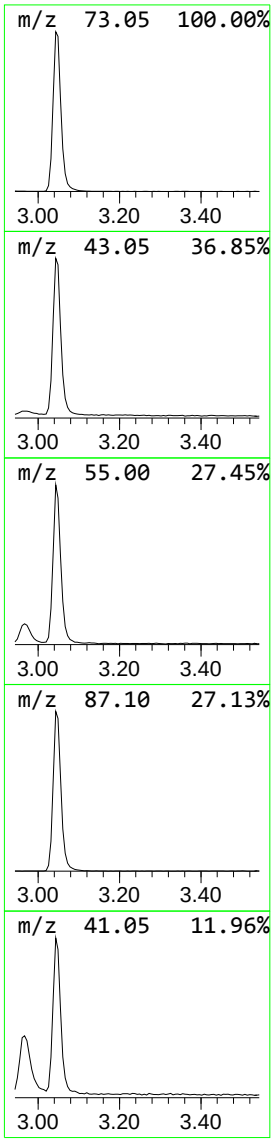
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.043	26.56 ng	1797950	1,4-Dichlorobenzene-d4	7.802

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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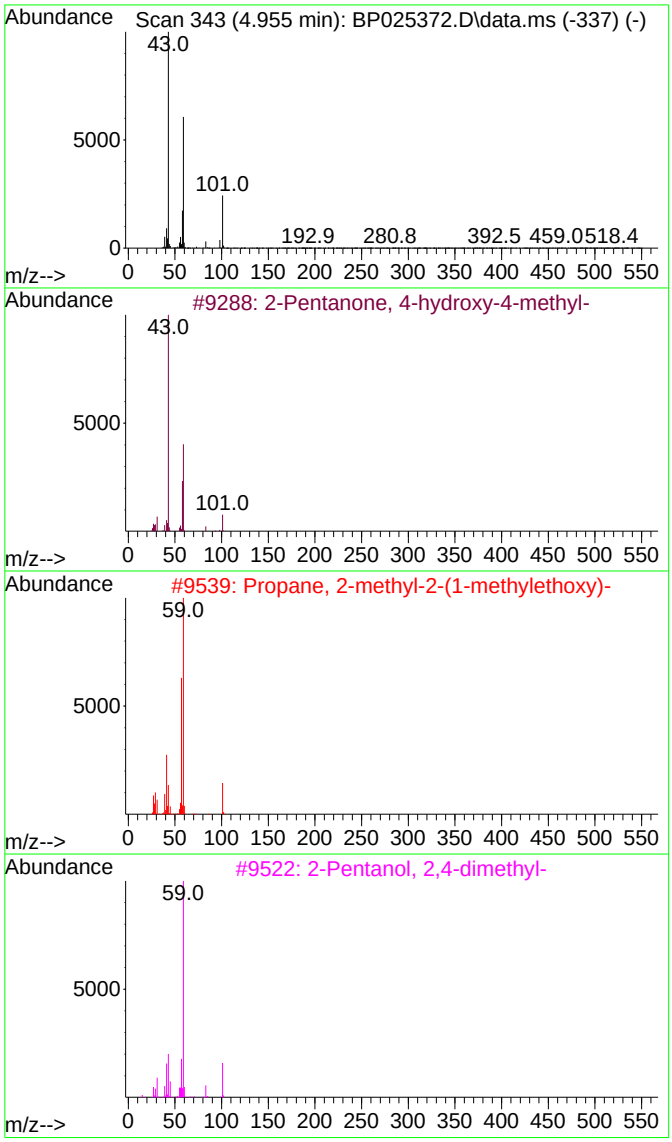
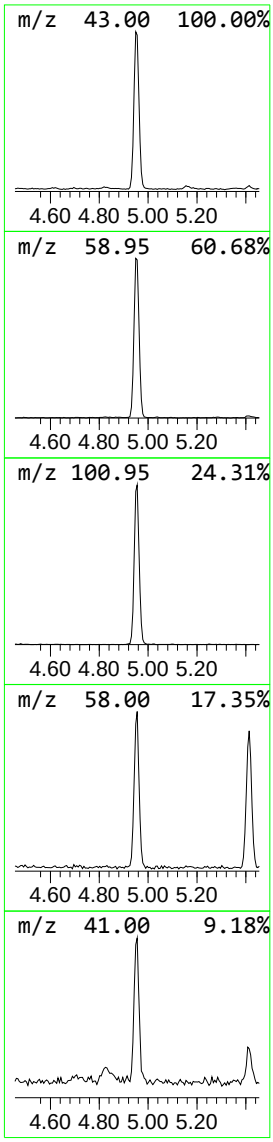
****
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.955	5.97 ng	403971	1,4-Dichlorobenzene-d4	7.802

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	50
3	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	23
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5	Guanidine	59	CH5N3	000113-00-8	9





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

TIC Library : C:\Database\NIST20.L
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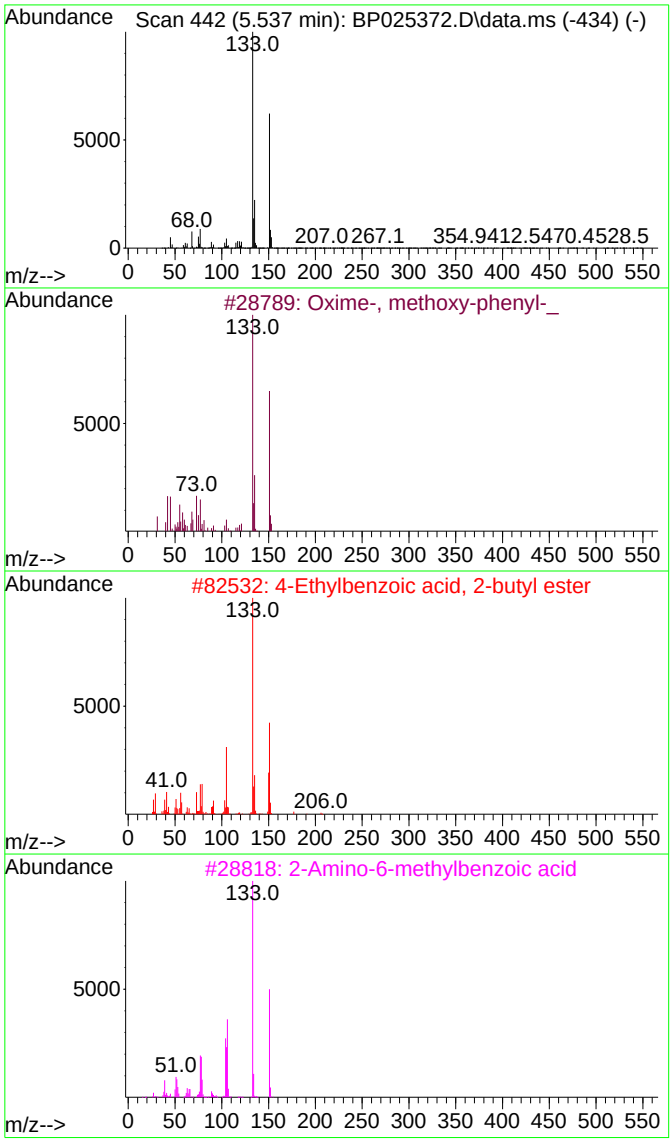
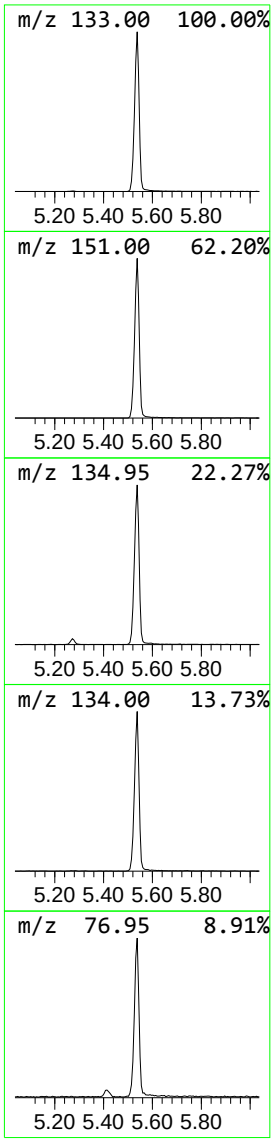
****
Peak Number 4 Oxime-, methoxy-phenyl-_ Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.537	34.87 ng	2359850	1,4-Dichlorobenzene-d4	7.802

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxime-, methoxy-phenyl-_	151	C8H9NO2	1000222-86-6	91
2	4-Ethylbenzoic acid, 2-butyl ester	206	C13H18O2	1000293-31-8	64
3	2-Amino-6-methylbenzoic acid	151	C8H9NO2	004389-50-8	64
4	2-Amino-5-methylbenzoic acid	151	C8H9NO2	002941-78-8	64
5	4H-Furo[3,2-b]pyrrole-5-carboxyl...	151	C7H5NO3	067268-37-5	64





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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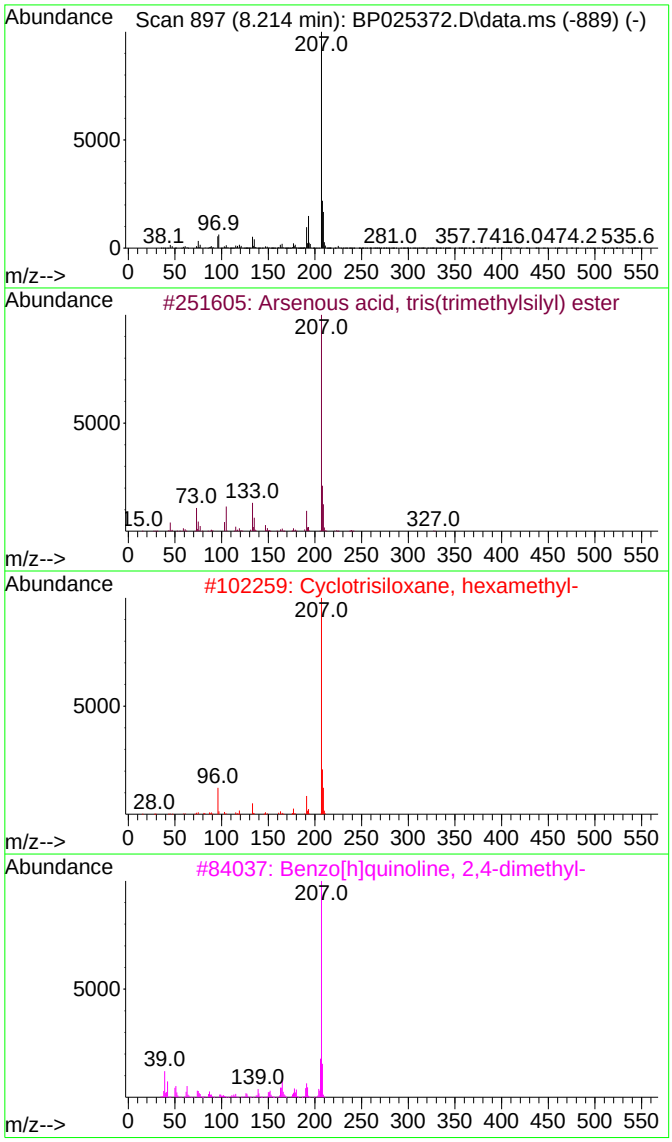
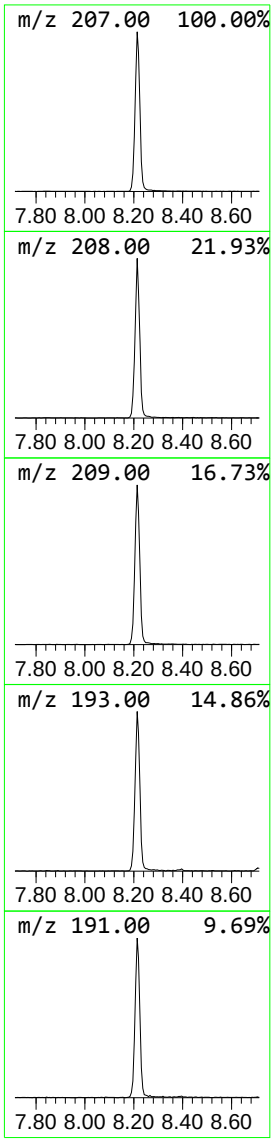
****
Peak Number 5 Arsenous acid, tris(trimeth... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.214	20.24 ng	1369720	1,4-Dichlorobenzene-d4	7.802

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Arsenous acid, tris(trimethylsil...	342	C9H27AsO3Si3	055429-29-3	64
2	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	56
3	Benzo[h]quinoline, 2,4-dimethyl-	207	C15H13N	000605-67-4	45
4	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	42
5	1,4-Bis(trimethylsilyl)benzene	222	C12H22Si2	013183-70-5	39





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TIC Library   : C:\Database\NIST20.L
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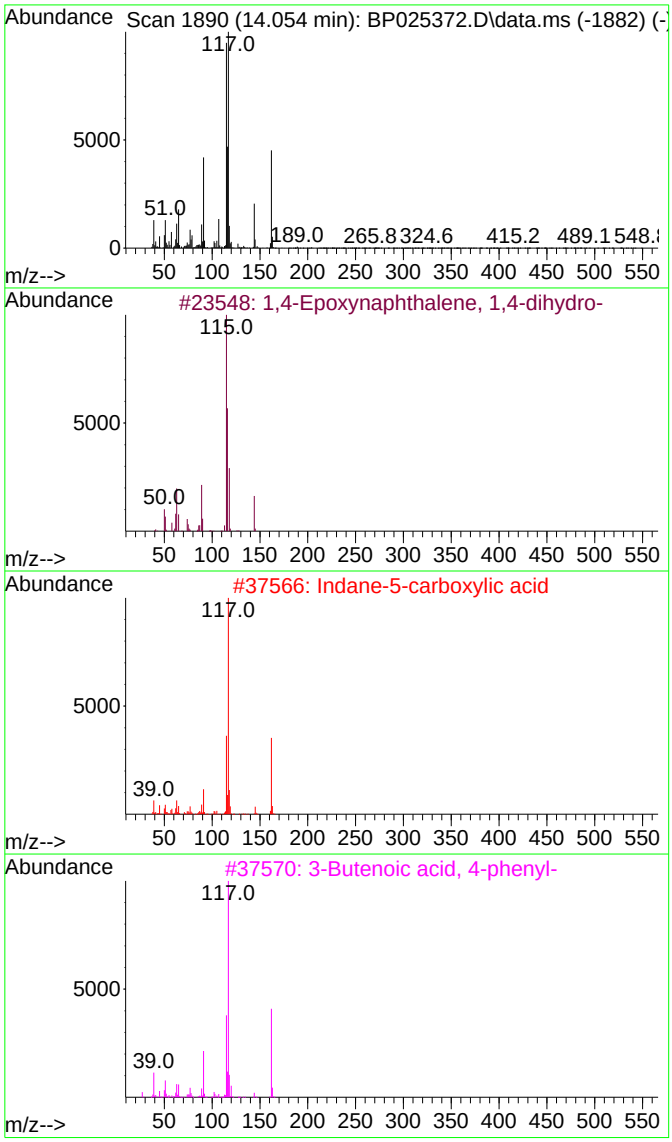
Instrument :
BNA_P
ClientSampleId :
B-3-5-2

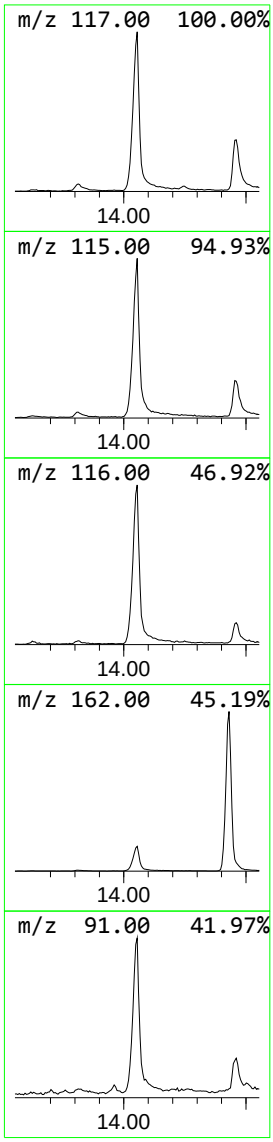
****

Peak Number 6 1,4-Epoxynaphthalene, 1,4-d... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.054	10.83 ng	1546720	Acenaphthene-d10	14.431

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Epoxynaphthalene, 1,4-dihydro-	144	C10H8O	000573-57-9	50
2	Indane-5-carboxylic acid	162	C10H10O2	065898-38-6	49
3	3-Butenoic acid, 4-phenyl-	162	C10H10O2	002243-53-0	46
4	.alpha.-Methylcinnamic acid	162	C10H10O2	001199-77-5	46
5	Cyclopropanecarboxylic acid, 1-p...	162	C10H10O2	006120-95-2	43





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ClientSampleId :
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TIC Library : C:\Database\NIST20.L
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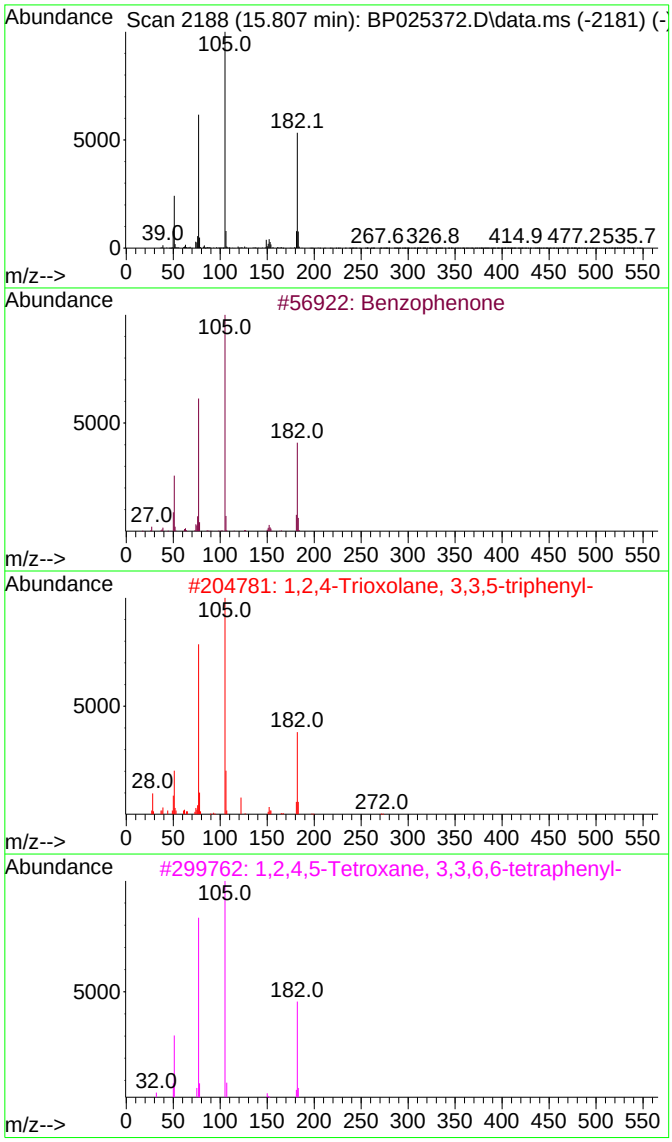
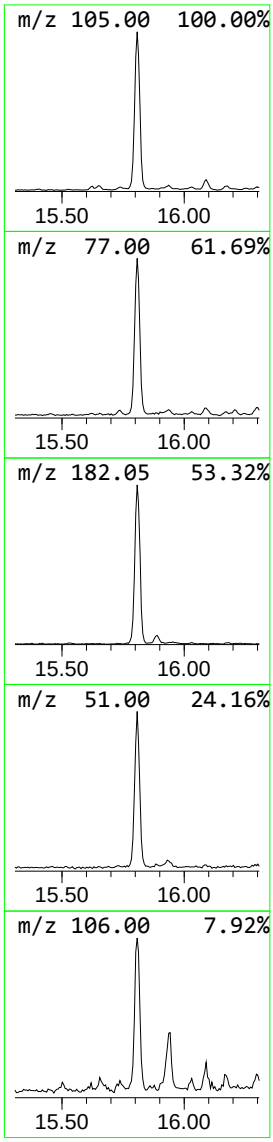
Peak Number 7 Benzophenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.807	6.89 ng	984104	Acenaphthene-d10	14.431

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	72
3	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
4	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	42
5	Azobenzene	182	C12H10N2	000103-33-3	42





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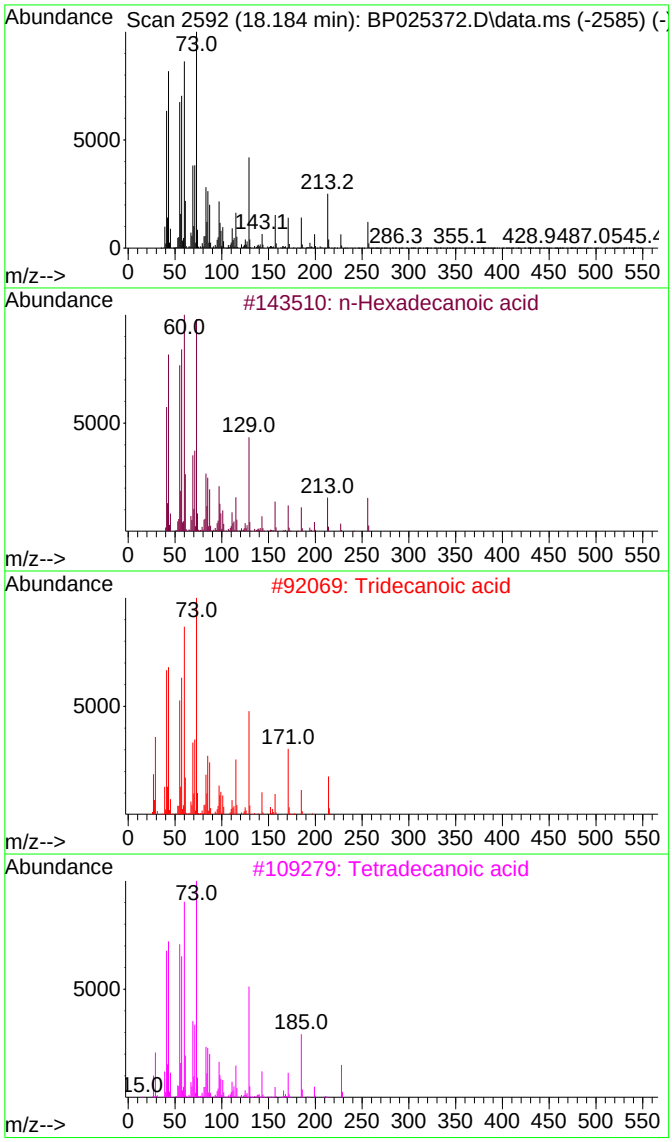
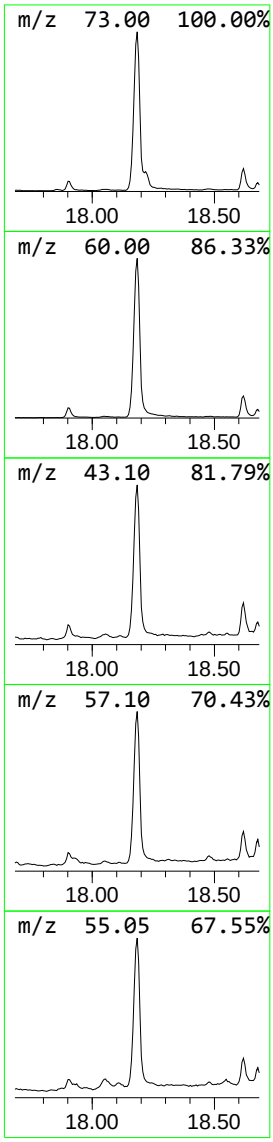
Peak Number 8 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.184	62.80 ng	10272700	Phenanthrene-d10	17.225

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
5	Undecanoic acid	186	C11H22O2	000112-37-8	83





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

TIC Library : C:\Database\NIST20.L
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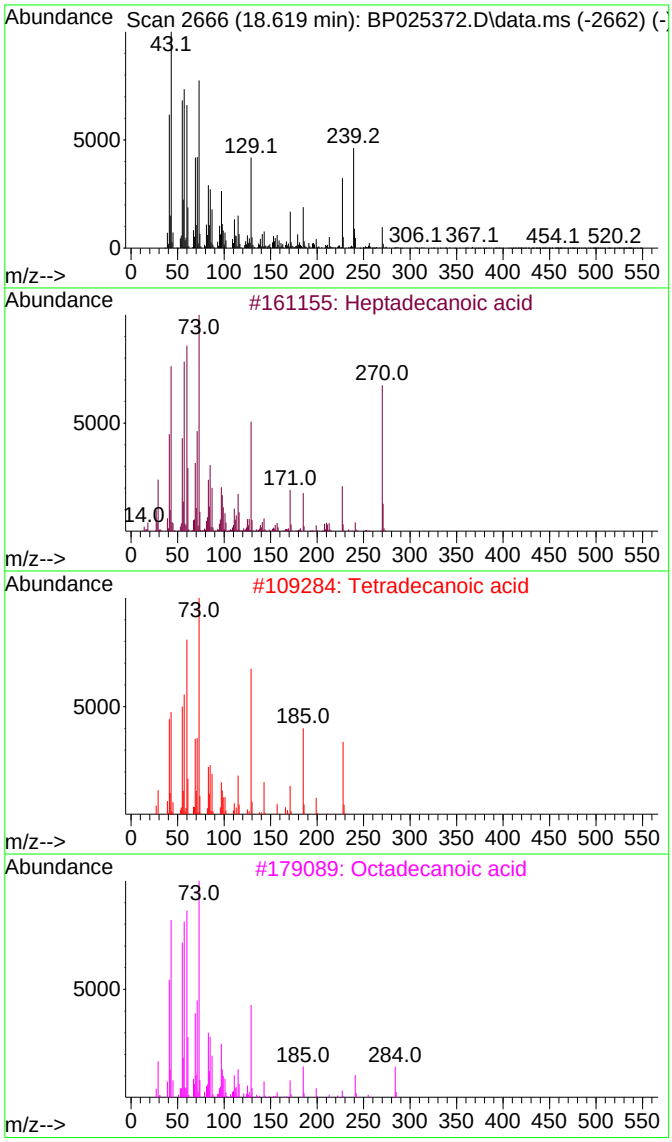
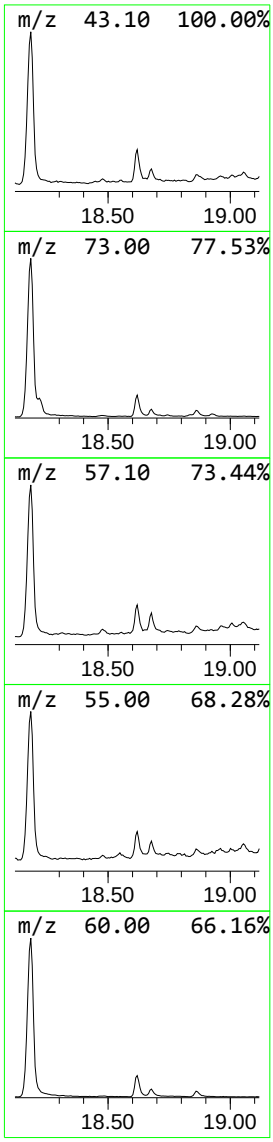
Peak Number 9 Heptadecanoic acid Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.619	9.23 ng	1510310	Phenanthrene-d10	17.225

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecanoic acid	270	C17H34O2	000506-12-7	92
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
3	Octadecanoic acid	284	C18H36O2	000057-11-4	70
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	70
5	n-Decanoic acid	172	C10H20O2	000334-48-5	64





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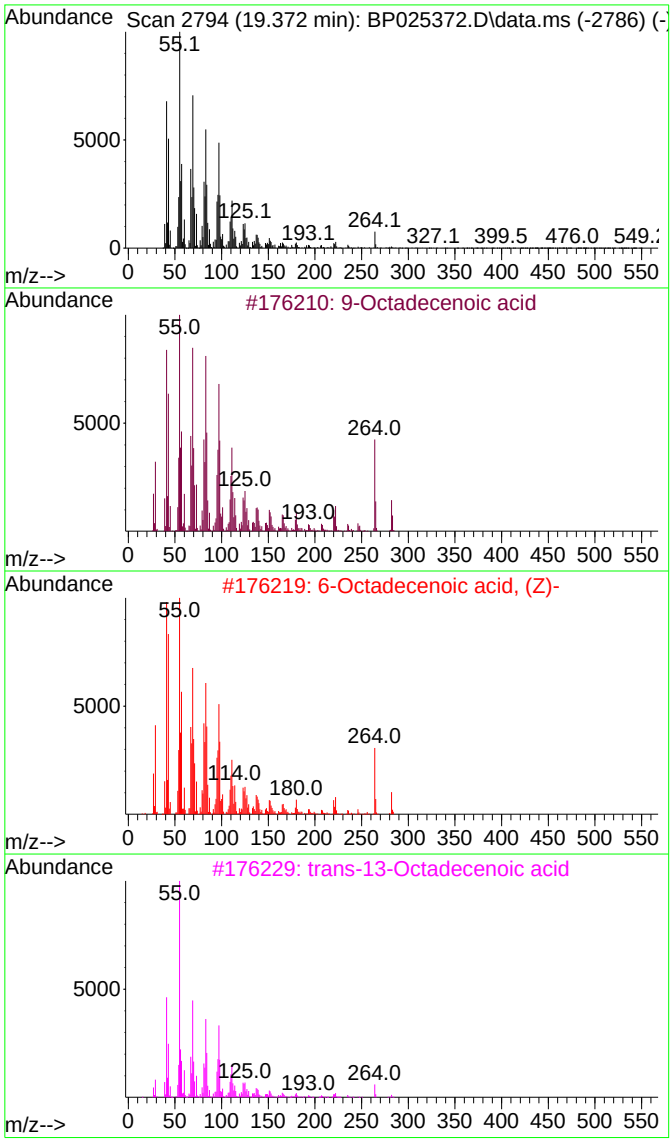
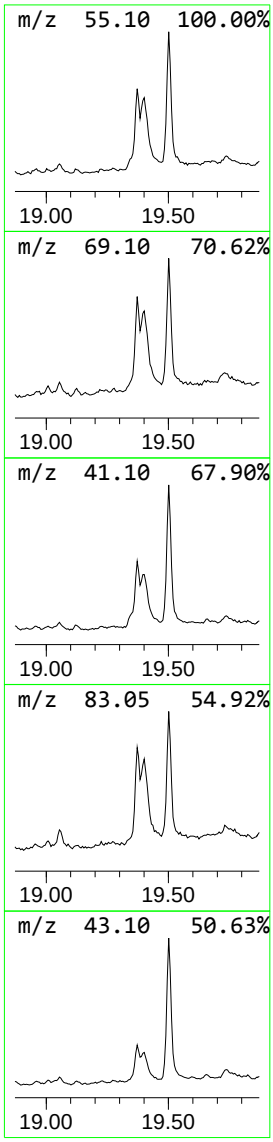
Peak Number 10 9-Octadecenoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.372	21.99 ng	3597540	Phenanthrene-d10	17.225

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid	282	C18H34O2	002027-47-6	99
2	6-Octadecenoic acid, (Z)-	282	C18H34O2	000593-39-5	99
3	trans-13-Octadecenoic acid	282	C18H34O2	000693-71-0	98
4	cis-13-Octadecenoic acid	282	C18H34O2	013126-39-1	97
5	cis-Vaccenic acid	282	C18H34O2	000506-17-2	93





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TIC Library : C:\Database\NIST20.L
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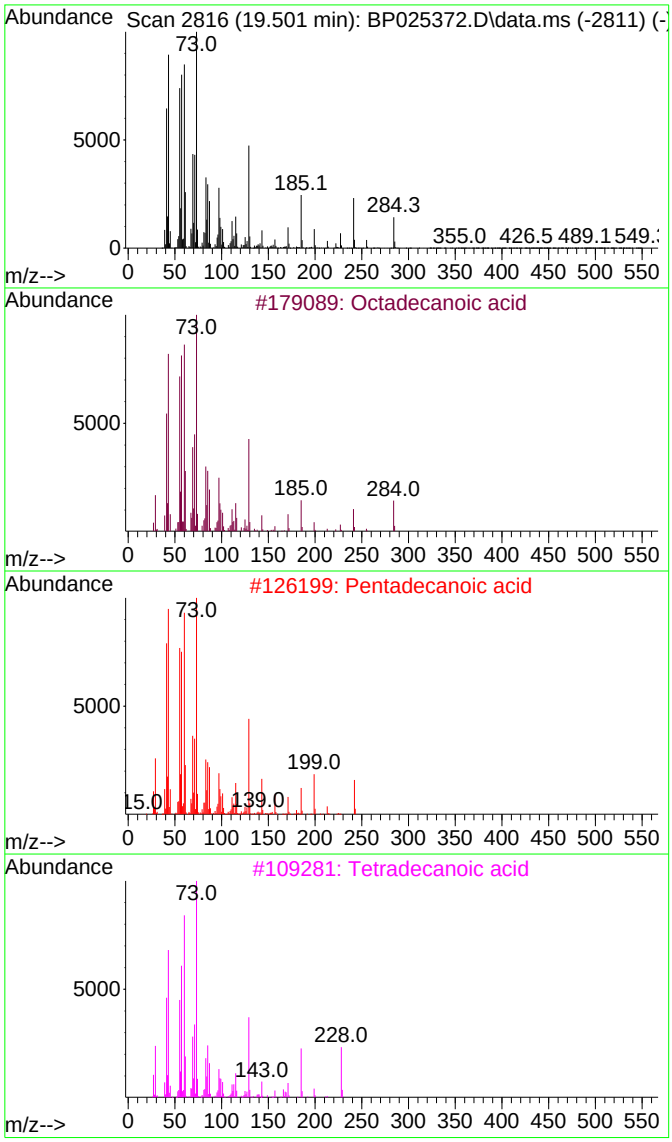
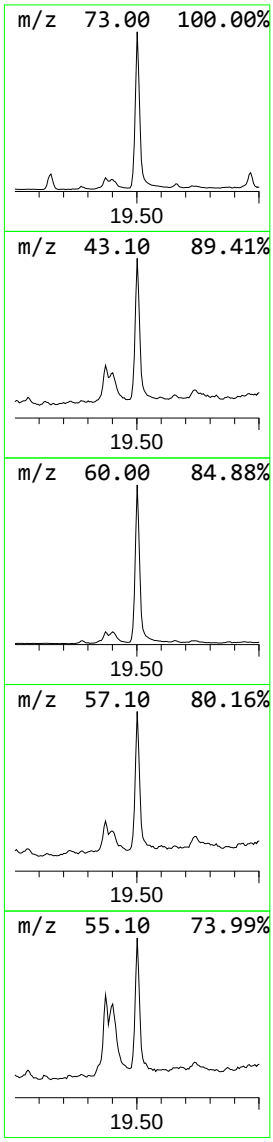
Peak Number 11 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.501	49.28 ng	6533390	Chrysene-d12	21.672

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	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	80
5	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	72





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Data File : BP025372.D
Acq On : 12 Aug 2025 18:42
Operator : CG/JU
Sample : Q2818-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3-5-2

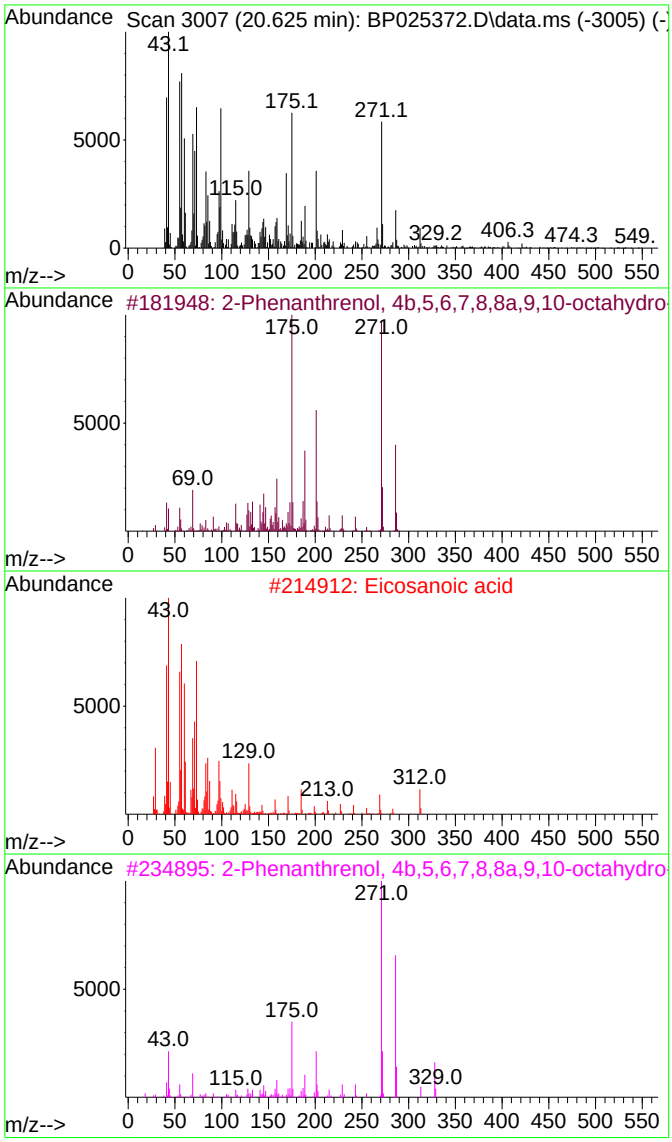
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

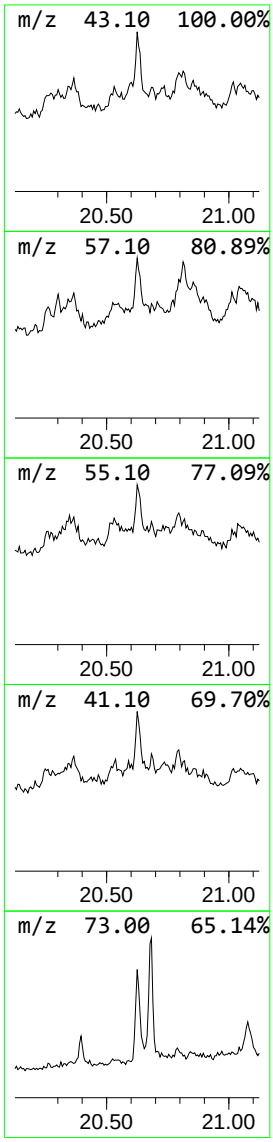
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 2-Phenanthrenol, 4b,5,6,7,8... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.625	6.17 ng	817509	Chrysene-d12	21.672

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	286	C20H30O	000511-15-9	64
2	Eicosanoic acid	312	C20H40O2	000506-30-9	46
3	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	328	C22H32O2	015340-82-6	46
4	7,8-Dimethoxy-2-methyl-3H-pyrimi...	271	C14H13N3O3	055149-31-0	25
5	Pyrrolidine, 1-[5-(1,3-benzodiox...	271	C16H17NO3	025924-78-1	18





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Acq On : 12 Aug 2025 18:42
Operator : CG/JU
Sample : Q2818-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3-5-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

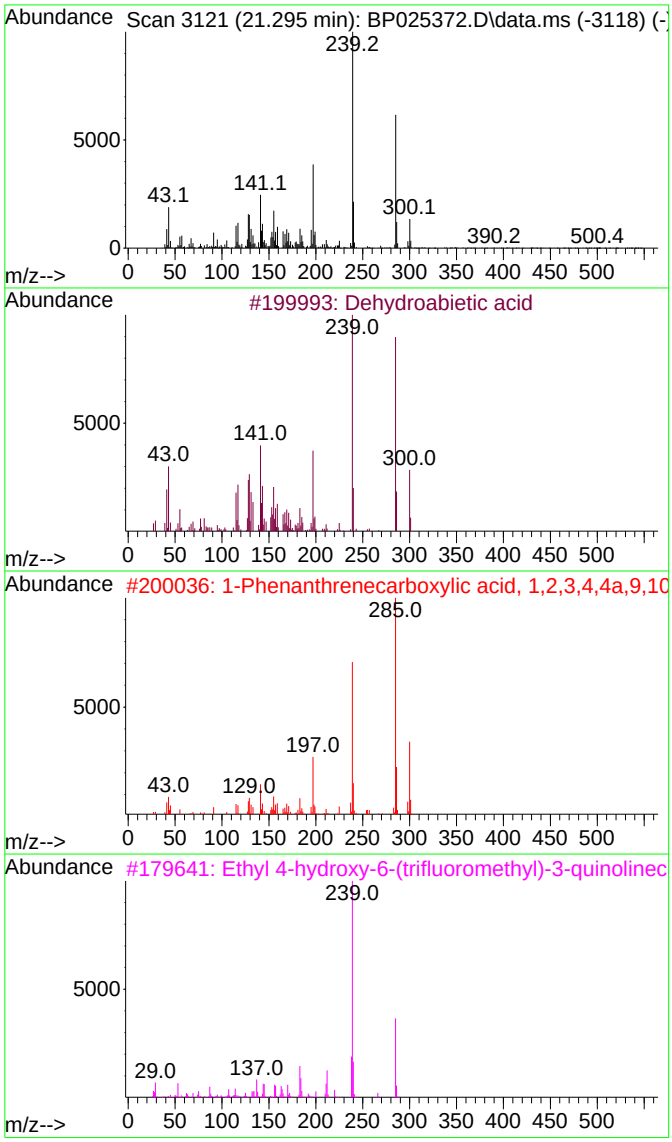
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

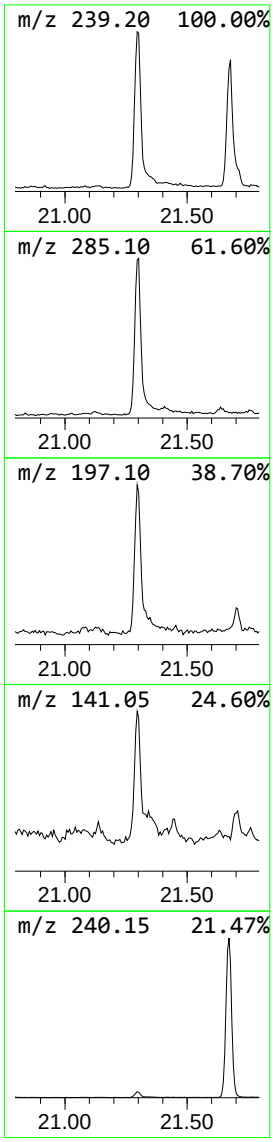
****

Peak Number 13 Dehydroabietic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.295	7.02 ng	930659	Chrysene-d12	21.672

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dehydroabietic acid	300	C20H28O2	001740-19-8	99
2	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	93
3	Ethyl 4-hydroxy-6-(trifluorometh...	285	C13H10F3NO3	026893-12-9	49
4	Ethyl 4-hydroxy-7-trifluoromethy...	285	C13H10F3NO3	000391-02-6	49
5	3-Quinolinecarboxylic acid, 4-hy...	285	C13H10F3NO3	023851-84-5	49





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Data File : BP025372.D
Acq On : 12 Aug 2025 18:42
Operator : CG/JU
Sample : Q2818-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3-5-2

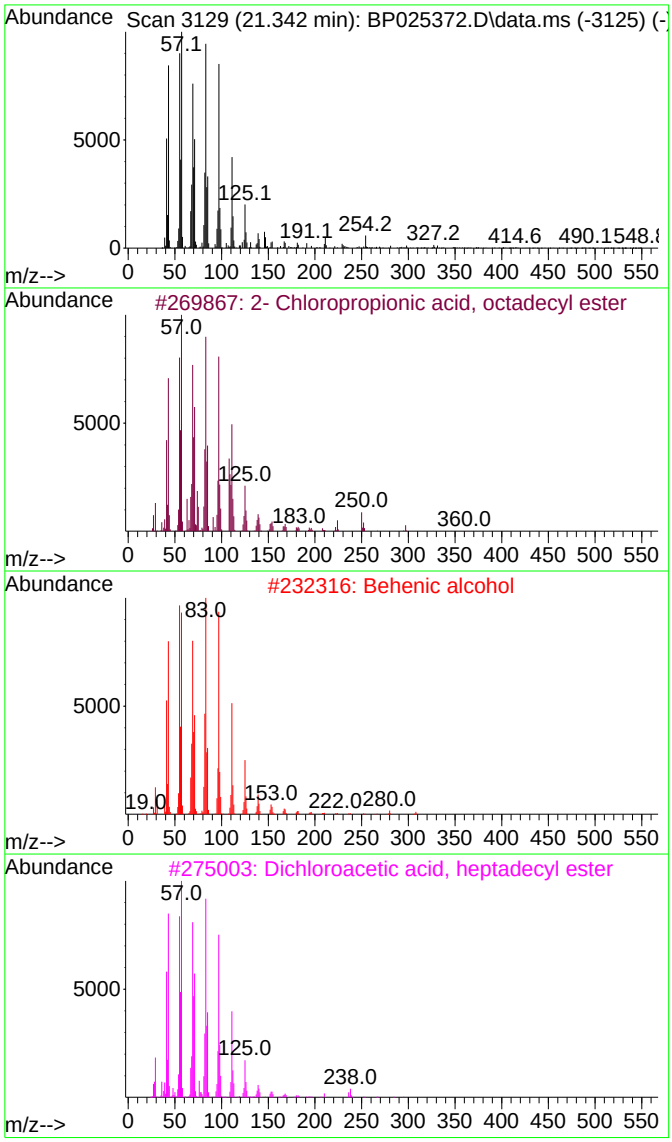
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

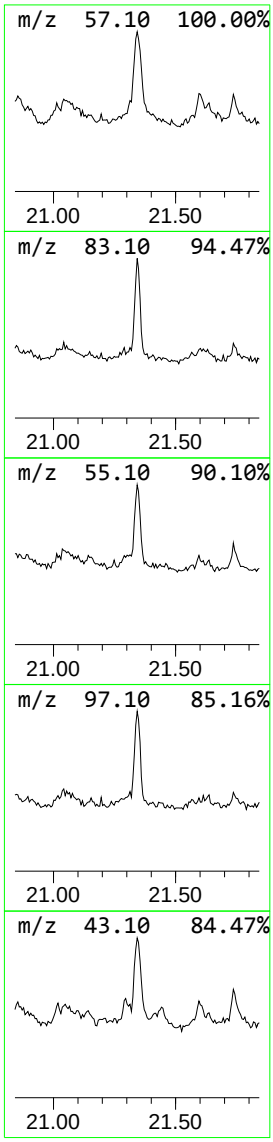
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 2- Chloropropionic acid, oc... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.342	10.99 ng	1456400	Chrysene-d12	21.672

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	97
2	Behenic alcohol	326	C22H46O	000661-19-8	95
3	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	95
4	2- Chloropropionic acid, hexadec...	332	C19H37ClO2	086711-81-1	94
5	1-Heptacosanol	396	C27H56O	002004-39-9	94





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Acq On    : 12 Aug 2025  18:42
Operator  : CG/JU
Sample    : Q2818-02
Misc      :
ALS Vial  : 14   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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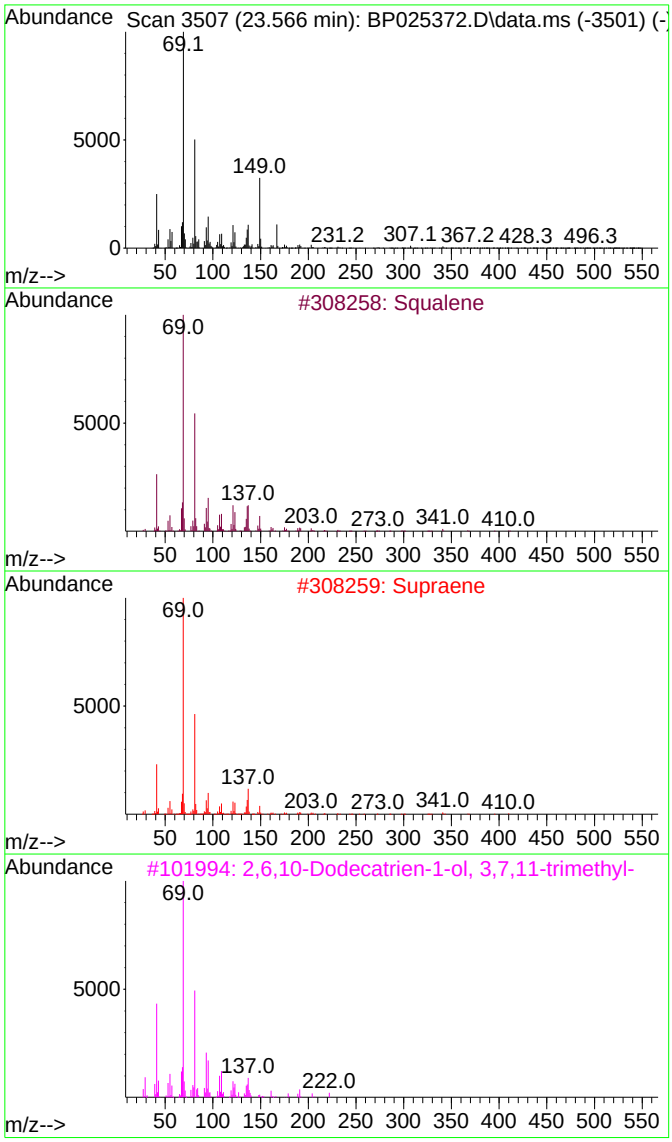
Instrument :
BNA_P
ClientSampleId :
B-3-5-2

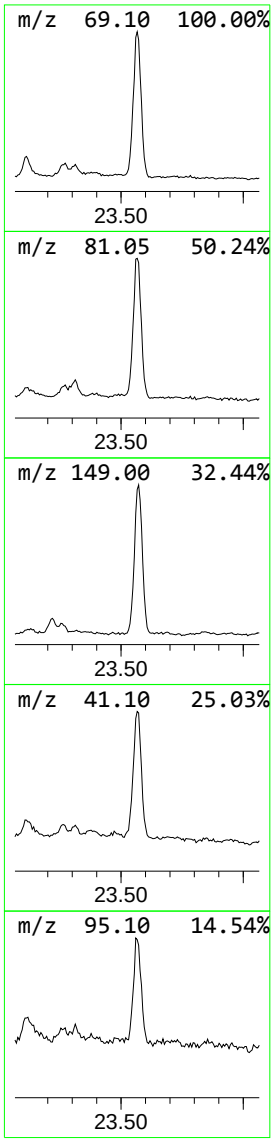
****

Peak Number 15 Squalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.566	33.14 ng	4884230	Perylene-d12	25.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	93
2	Supraene	410	C30H50	007683-64-9	74
3	2,6,10-Dodecatrien-1-ol, 3,7,11-...	222	C15H26O	004602-84-0	59
4	1,2-Epoxy-3,7,11-trimethyl-(6E,1...	238	C15H26O2	1000432-46-2	53
5	2,6,10,14-Hexadecatetraenoic aci...	332	C22H36O2	024035-35-6	53





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Acq On : 12 Aug 2025 18:42
Operator : CG/JU
Sample : Q2818-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3-5-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

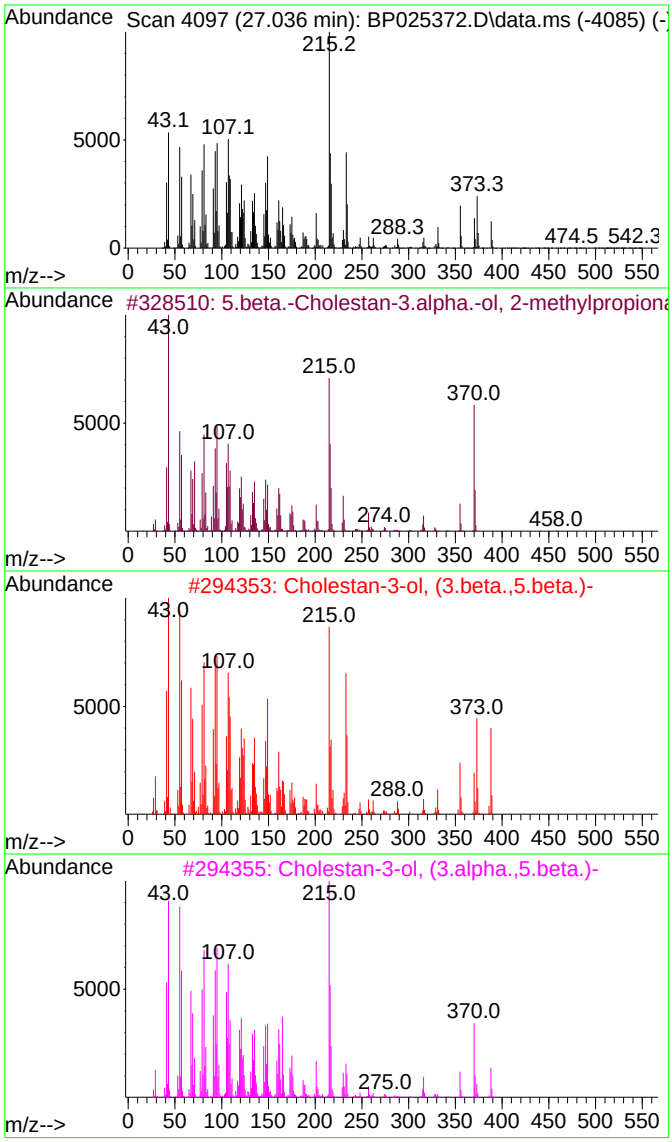
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

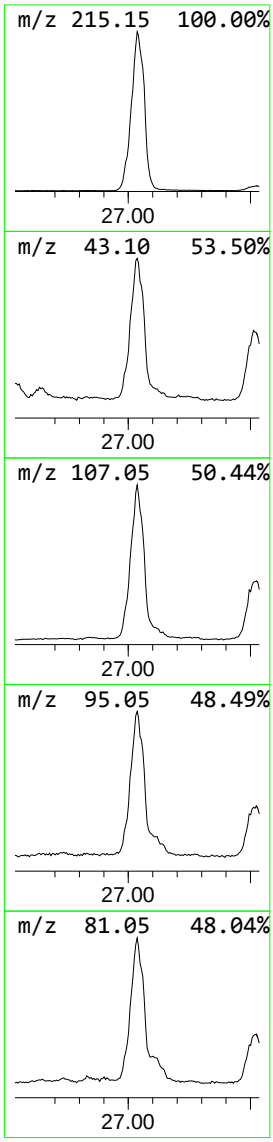
****

Peak Number 16 5.beta.-Cholestan-3.alpha.-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.036	201.95 ng	29766100	Perylene-d12	25.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5.beta.-Cholestan-3.alpha.-ol, 2...	458	C31H54O2	1000514-95-7	58
2	Cholestan-3-ol, (3.beta.,5.beta.)-	388	C27H48O	000360-68-9	55
3	Cholestan-3-ol, (3.alpha.,5.beta.)-	388	C27H48O	000516-92-7	53
4	5.beta.-Cholestan-3.alpha.-ol, a...	430	C29H50O2	033157-47-0	52
5	CP 47,497 (n=7)	318	C21H34O2	070434-82-1	35





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Data File : BP025372.D
Acq On : 12 Aug 2025 18:42
Operator : CG/JU
Sample : Q2818-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3-5-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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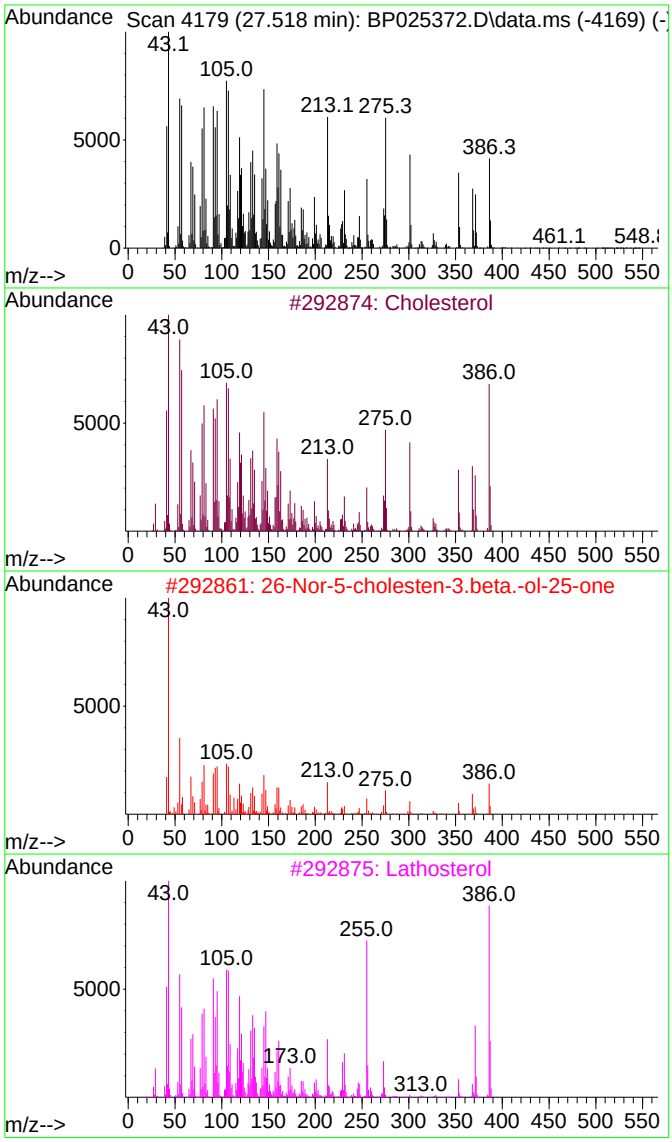
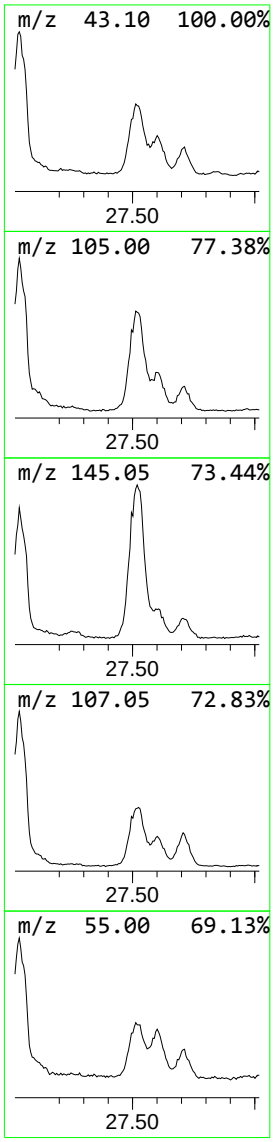
Peak Number 17 Cholesterol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.518	49.68 ng	7322500	Perylene-d12	25.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholesterol	386	C27H46O	000057-88-5	99
2	26-Nor-5-cholesten-3.beta.-ol-25...	386	C26H42O2	007494-34-0	99
3	Lathosterol	386	C27H46O	000080-99-9	74
4	Cholestane-3,5-diol, 5-acetate, ...	446	C29H50O3	041721-93-1	43
5	Cholesterol 3.beta.-O-[2-chloroe...	448	C29H49ClO	001972-30-1	43





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Operator : CG/JU
Sample : Q2818-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3-5-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

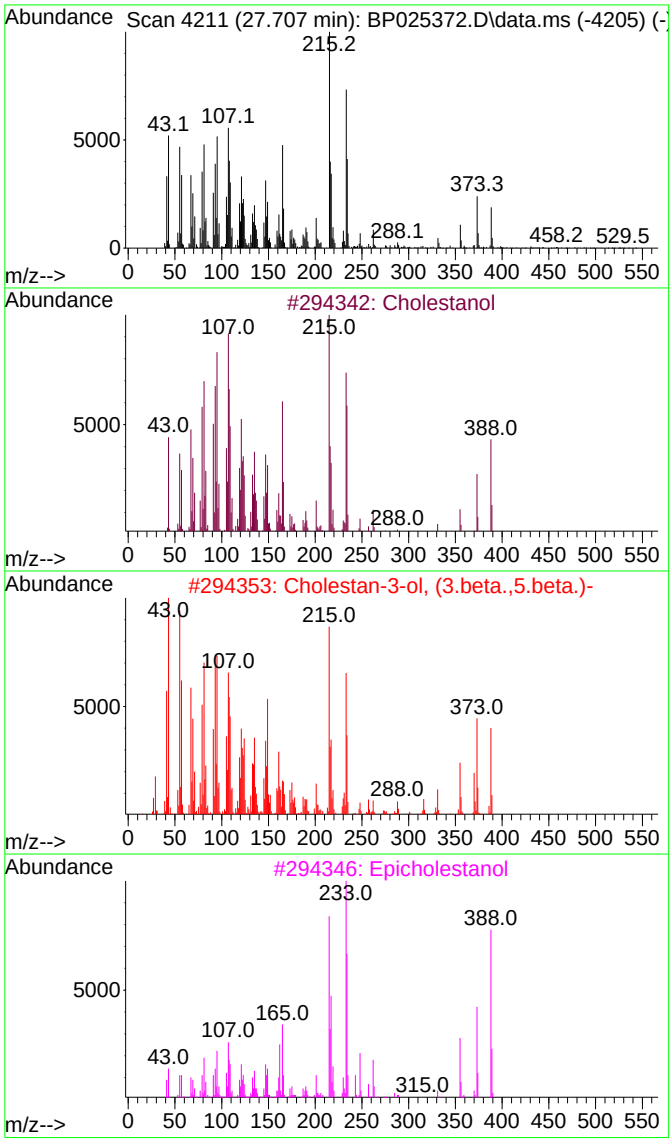
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

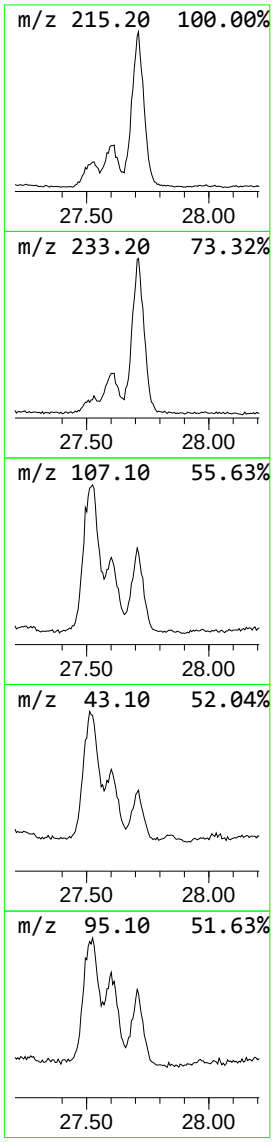
****

Peak Number 18 Cholestanol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.707	32.84 ng	4840990	Perylene-d12	25.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholestanol	388	C27H48O	000080-97-7	99
2	Cholestan-3-ol, (3.beta.,5.beta.)-	388	C27H48O	000360-68-9	92
3	Epicholestanol	388	C27H48O	000516-95-0	89
4	Cholestan-3-ol	388	C27H48O	027409-41-2	68
5	4-Cholestanol	388	C27H48O	1000210-30-1	43





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Data File : BP025372.D
Acq On : 12 Aug 2025 18:42
Operator : CG/JU
Sample : Q2818-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3-5-2

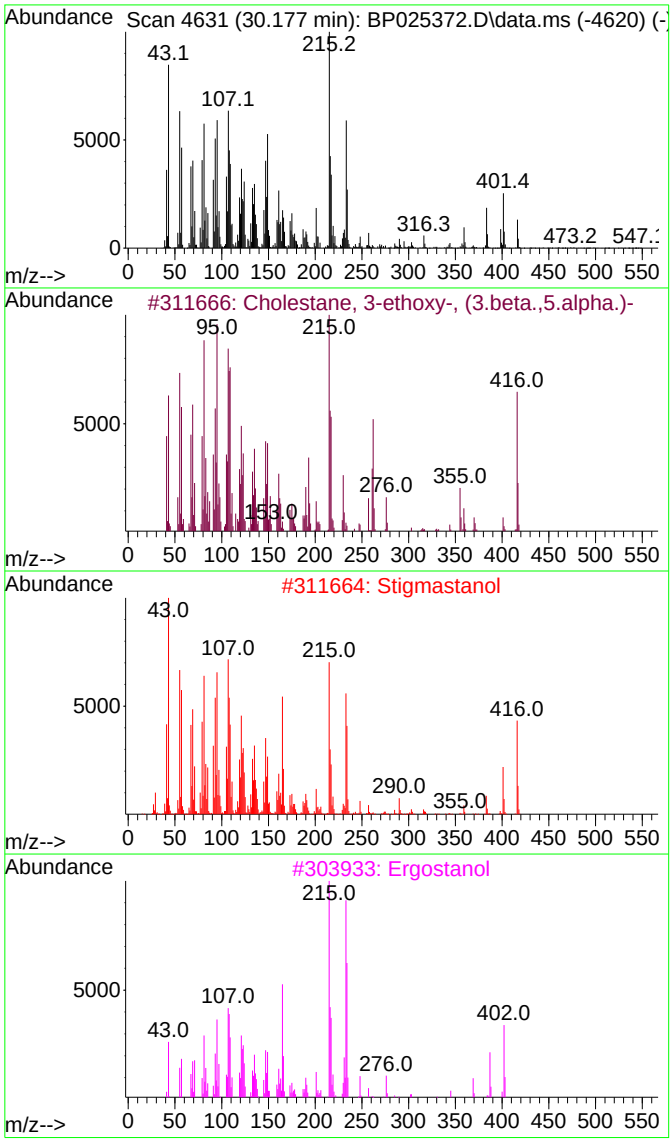
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

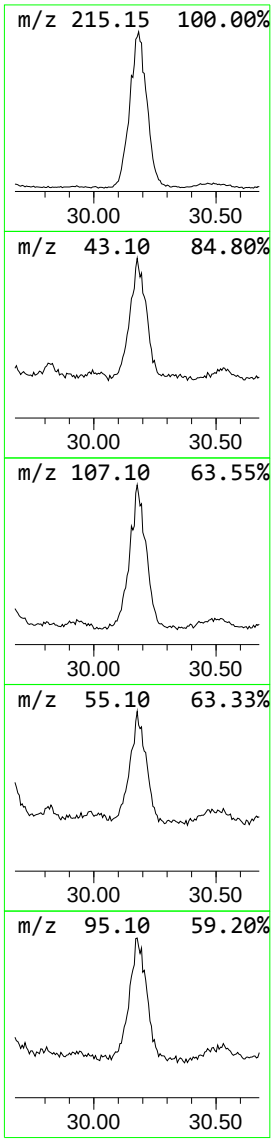
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Cholestane, 3-ethoxy-, (3.b... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
30.177	68.80 ng	10140600	Perylene-d12	25.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholestane, 3-ethoxy-, (3.beta.,...	416	C29H52O	002089-02-3	70
2	Stigmastanol	416	C29H52O	019466-47-8	53
3	Ergostanol	402	C28H50O	006538-02-9	35
4	Terephthalic acid, monoamide, N,...	401	C26H27NO3	1000323-91-5	25
5	5-(2-Methyloctan-2-yl)-3-(1R,3R-...	332	C22H36O2	070434-92-3	25





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Data File : BP025372.D
Acq On : 12 Aug 2025 18:42
Operator : CG/JU
Sample : Q2818-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3-5-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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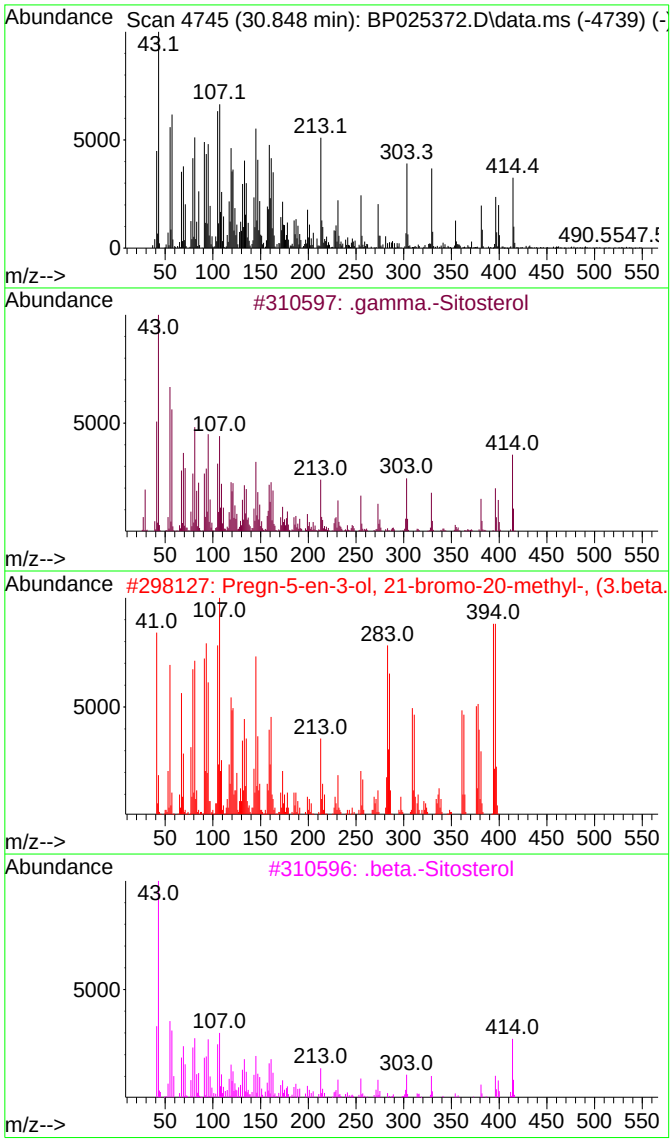
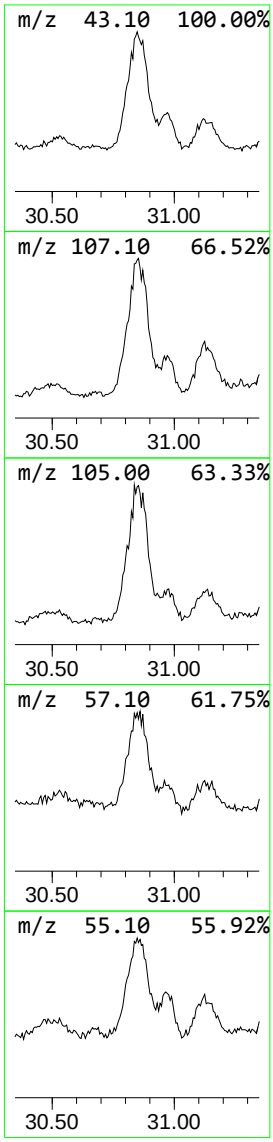
Peak Number 20 .gamma.-Sitosterol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
30.848	12.12 ng	1786660	Perylene-d12	25.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2	Pregn-5-en-3-ol, 21-bromo-20-met...	394	C22H35BrO	055103-80-5	90
3	.beta.-Sitosterol	414	C29H50O	000083-46-5	78
4	(3S,8S,9S,10R,13R,14S,17R)-17-((...	414	C29H50O	029365-29-5	48
5	17-(1,5-Dimethylhexyl)-10,13-dim...	414	C29H50O	1000210-86-9	25





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Acq On : 12 Aug 2025 18:42
Operator : CG/JU
Sample : Q2818-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3-5-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.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
Silanediol, dim...	2.984	6.1	ng	411029	1	7.802	1353710	20.0
Butane, 2-metho...	3.043	26.6	ng	1797950	1	7.802	1353710	20.0
2-Pentanone, 4-...	4.955	6.0	ng	403971	1	7.802	1353710	20.0
Oxime-, methoxy...	5.537	34.9	ng	2359850	1	7.802	1353710	20.0
Arsenous acid, ...	8.214	20.2	ng	1369720	1	7.802	1353710	20.0
1,4-Epoxynaphth...	14.054	10.8	ng	1546720	3	14.431	2857570	20.0
Benzophenone	15.807	6.9	ng	984104	3	14.431	2857570	20.0
n-Hexadecanoic ...	18.184	62.8	ng	10272700	4	17.225	3271340	20.0
Heptadecanoic acid	18.619	9.2	ng	1510310	4	17.225	3271340	20.0
9-Octadecenoic ...	19.372	22.0	ng	3597540	4	17.225	3271340	20.0
Octadecanoic acid	19.501	49.3	ng	6533390	5	21.672	2651330	20.0
2-Phenanthrenol...	20.625	6.2	ng	817509	5	21.672	2651330	20.0
Dehydroabietic ...	21.295	7.0	ng	930659	5	21.672	2651330	20.0
2- Chloropropio...	21.342	11.0	ng	1456400	5	21.672	2651330	20.0
Squalene	23.566	33.1	ng	4884230	6	25.072	2947920	20.0
5.beta.-Cholest...	27.036	201.9	ng	29766100	6	25.072	2947920	20.0
Cholesterol	27.518	49.7	ng	7322500	6	25.072	2947920	20.0
Cholestanol	27.707	32.8	ng	4840990	6	25.072	2947920	20.0
Cholestane, 3-e...	30.177	68.8	ng	10140600	6	25.072	2947920	20.0
.gamma.-Sitosterol	30.848	12.1	ng	1786660	6	25.072	2947920	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025378.D
Acq On : 13 Aug 2025 10:32
Operator : CG/JU
Sample : PB169210BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169210BL

Quant Time: Aug 13 10:57:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

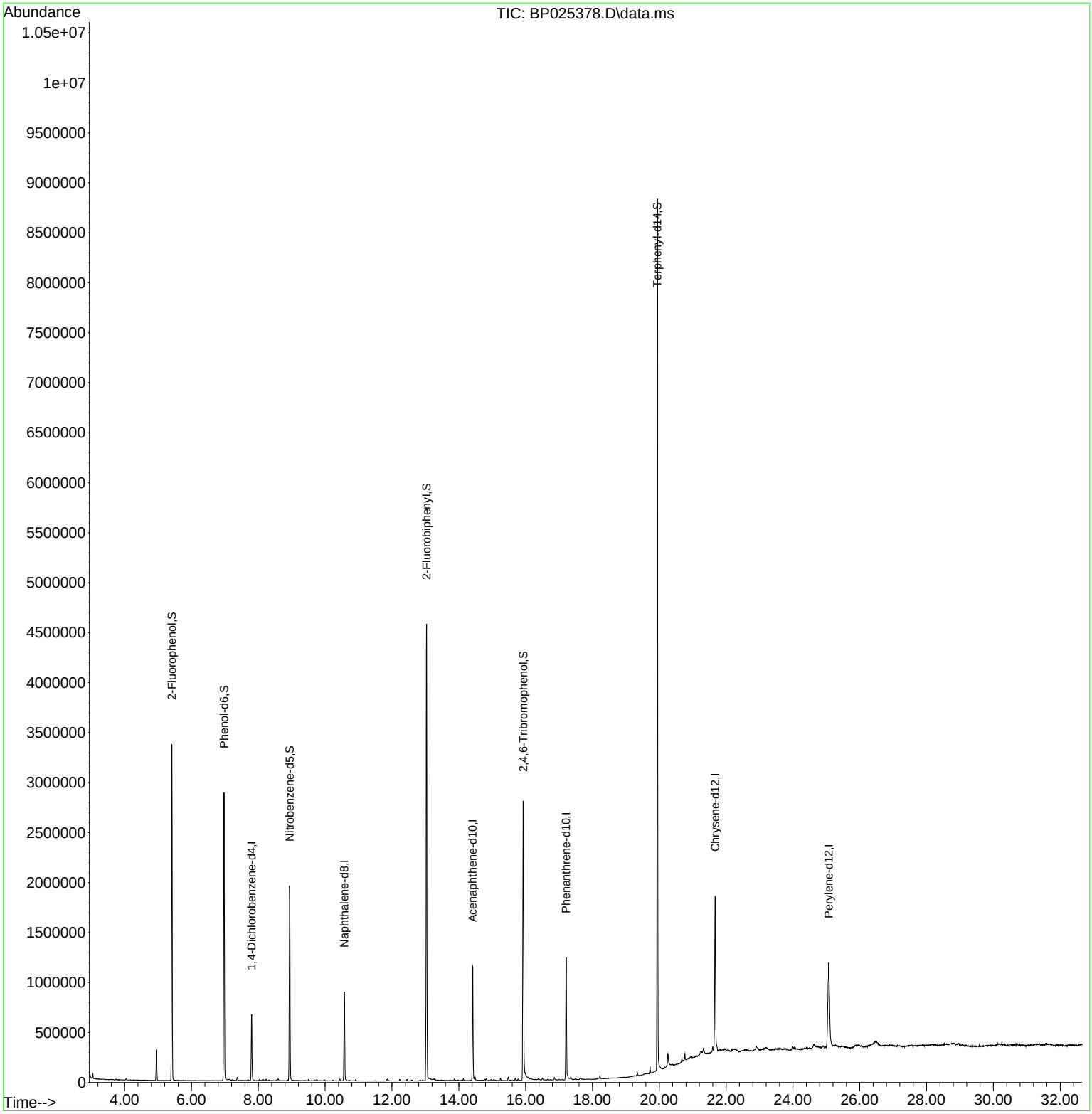
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	188983	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	717580	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	426281	20.000	ng	0.00
64) Phenanthrene-d10	17.213	188	848111	20.000	ng	-0.01
76) Chrysene-d12	21.672	240	1035402	20.000	ng	0.01
86) Perylene-d12	25.071	264	1197801	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	1451749	123.553	ng	0.00
7) Phenol-d6	6.972	99	1684797	108.950	ng	0.00
23) Nitrobenzene-d5	8.937	82	1117291	86.261	ng	0.00
42) 2,4,6-Tribromophenol	15.931	330	665492	156.489	ng	0.00
45) 2-Fluorobiphenyl	13.037	172	2537490	82.218	ng	0.00
79) Terphenyl-d14	19.942	244	4353513	79.417	ng	0.00
Target Compounds						Qvalue

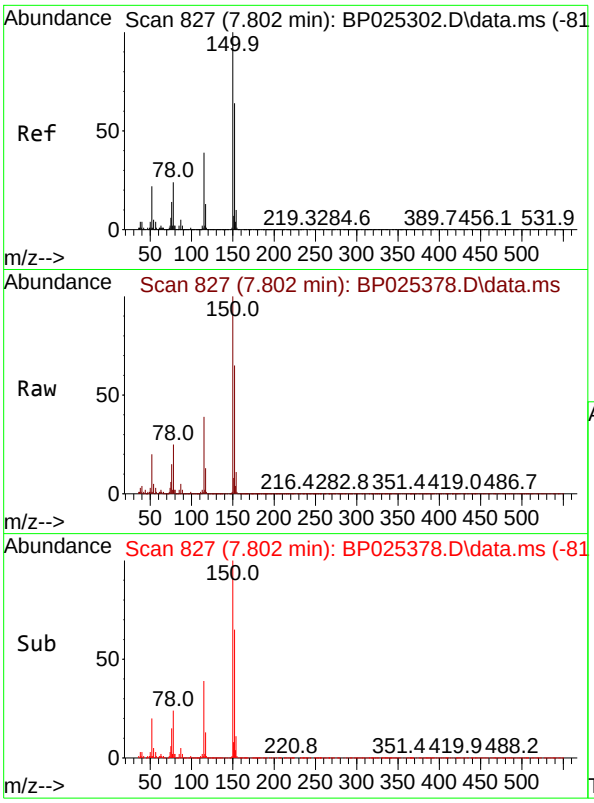
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025378.D
Acq On : 13 Aug 2025 10:32
Operator : CG/JU
Sample : PB169210BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169210BL

Quant Time: Aug 13 10:57:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration



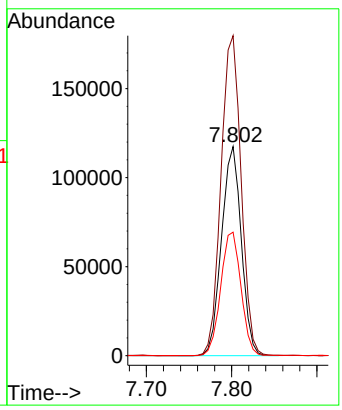


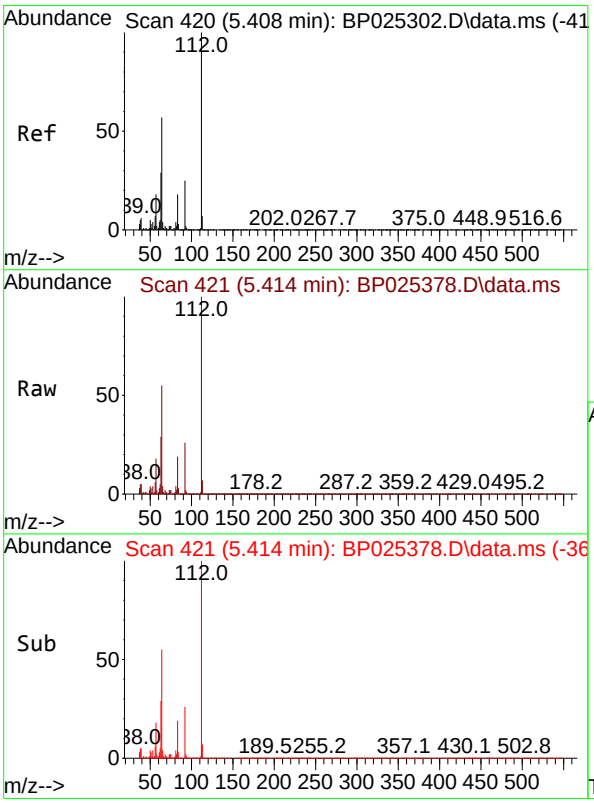
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

Instrument :
BNA_P
ClientSampleId :
PB169210BL

Tgt Ion:152 Resp: 188983

Ion	Ratio	Lower	Upper
152	100		
150	153.0	125.1	187.7
115	59.1	48.4	72.6

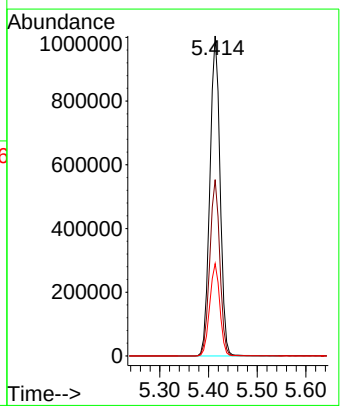


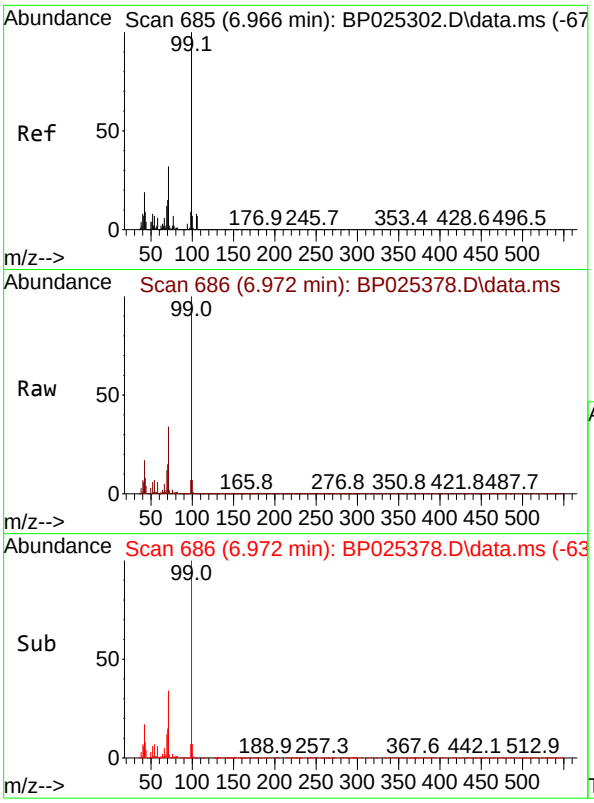


#5
2-Fluorophenol
Concen: 123.553 ng
RT: 5.414 min Scan# 421
Delta R.T. 0.006 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

Tgt Ion:112 Resp: 1451749

Ion	Ratio	Lower	Upper
112	100		
64	55.1	45.3	67.9
63	28.9	23.0	34.6



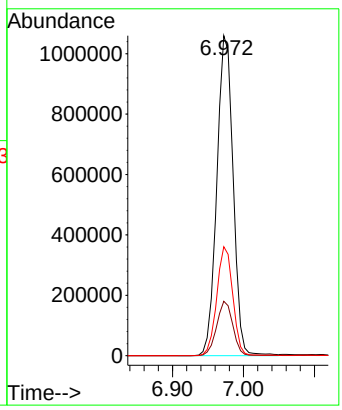


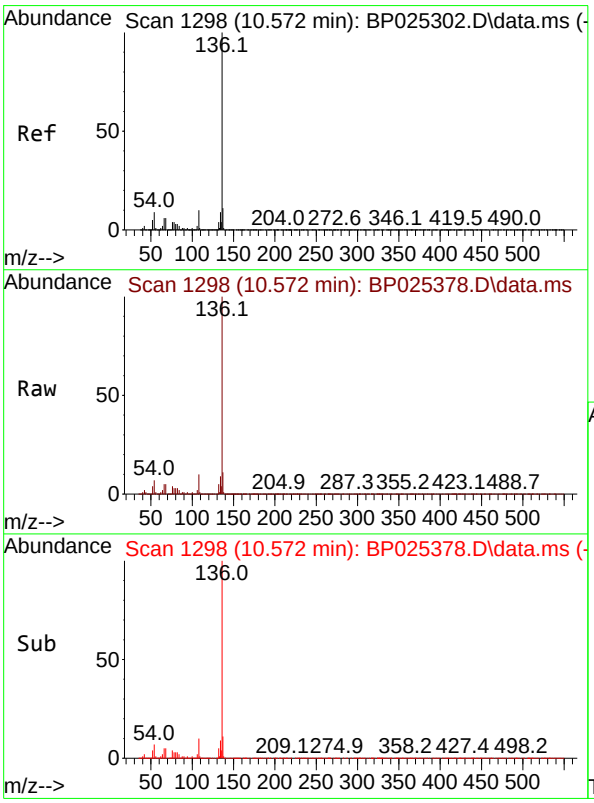
#7
Phenol-d6
Concen: 108.950 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

Instrument :
BNA_P
ClientSampleId :
PB169210BL

Tgt Ion: 99 Resp: 1684797

Ion	Ratio	Lower	Upper
99	100		
42	17.0	15.0	22.6
71	34.0	25.5	38.3

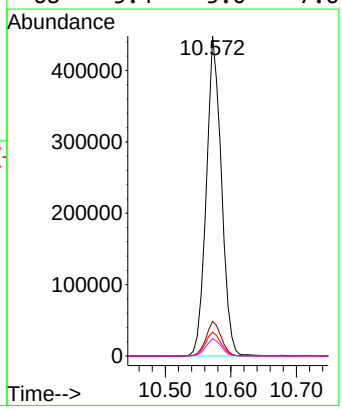


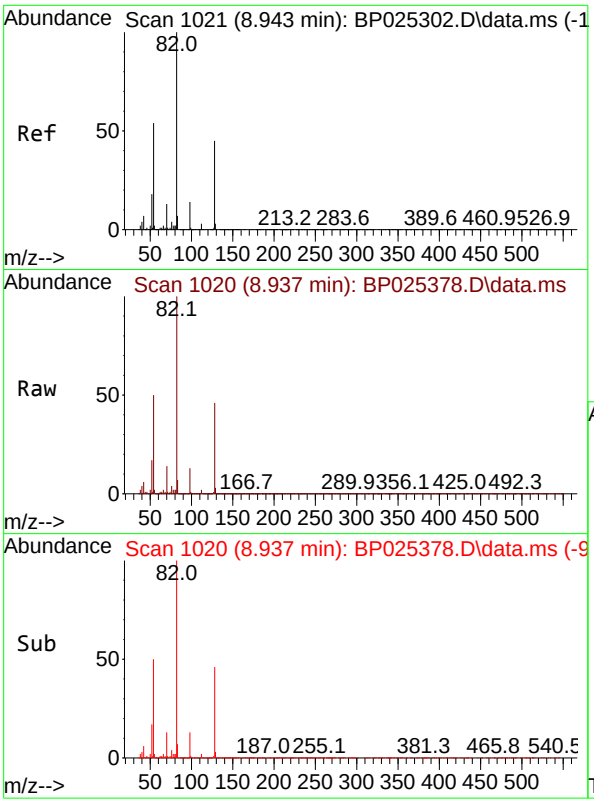


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

Tgt Ion:136 Resp: 717580

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.4	7.0	10.6
68	5.4	5.0	7.6



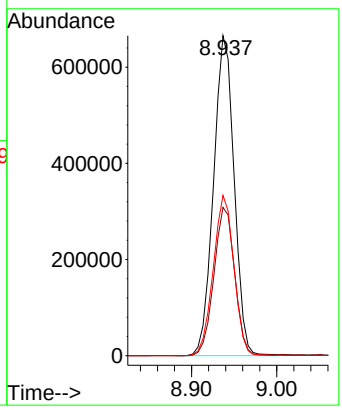


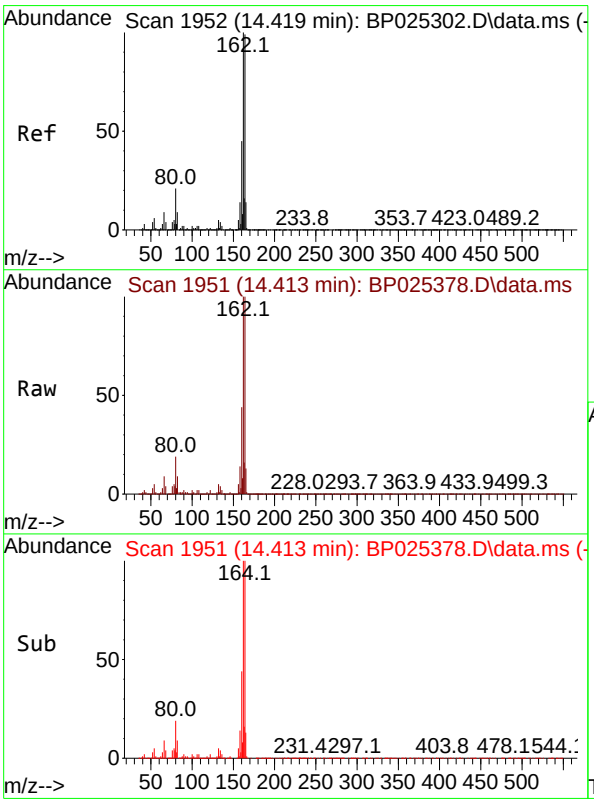
#23
Nitrobenzene-d5
Concen: 86.261 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

Instrument :
BNA_P
ClientSampleId :
PB169210BL

Tgt Ion: 82 Resp: 1117291

Ion	Ratio	Lower	Upper
82	100		
128	46.4	35.4	53.2
54	50.1	42.9	64.3

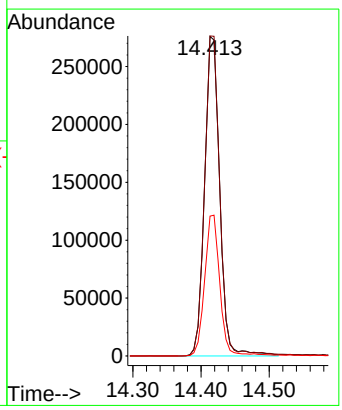


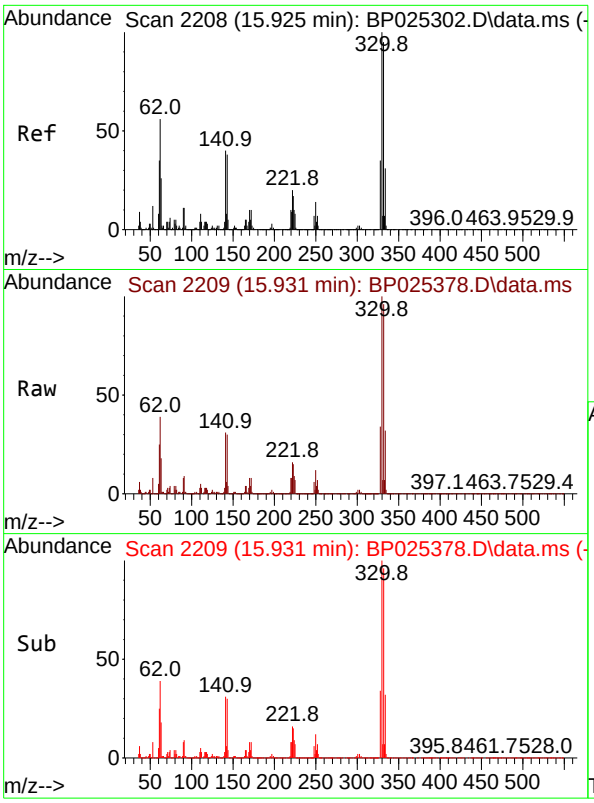


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

Tgt Ion:164 Resp: 426281

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.6	120.8
160	43.8	35.9	53.9



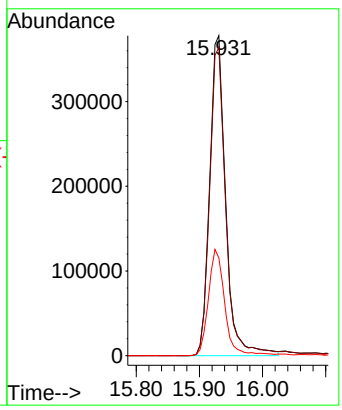


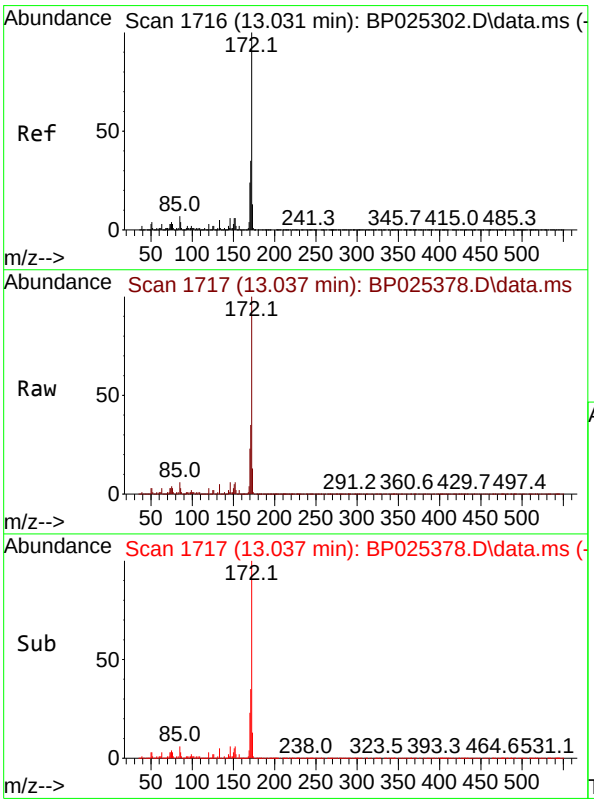
#42
2,4,6-Tribromophenol
Concen: 156.489 ng
RT: 15.931 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

Instrument :
BNA_P
ClientSampleId :
PB169210BL

Tgt Ion:330 Resp: 665492

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.4	116.0
141	33.8	31.7	47.5

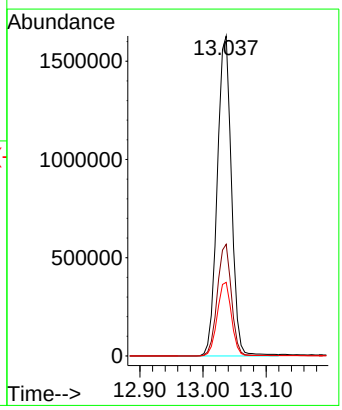


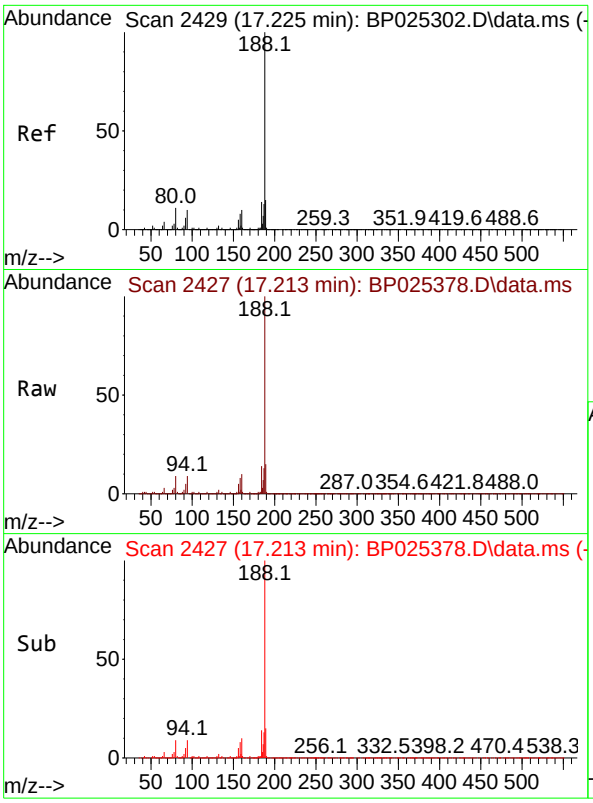


#45
2-Fluorobiphenyl
Concen: 82.218 ng
RT: 13.037 min Scan# 1717
Delta R.T. 0.006 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

Tgt Ion:172 Resp: 2537490

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.9	41.9
170	23.0	18.9	28.3



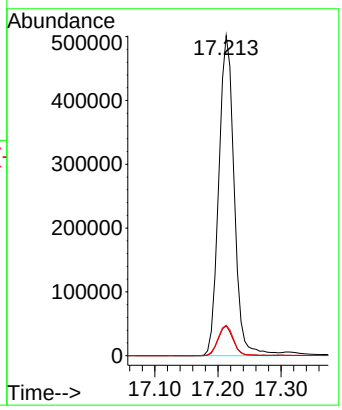


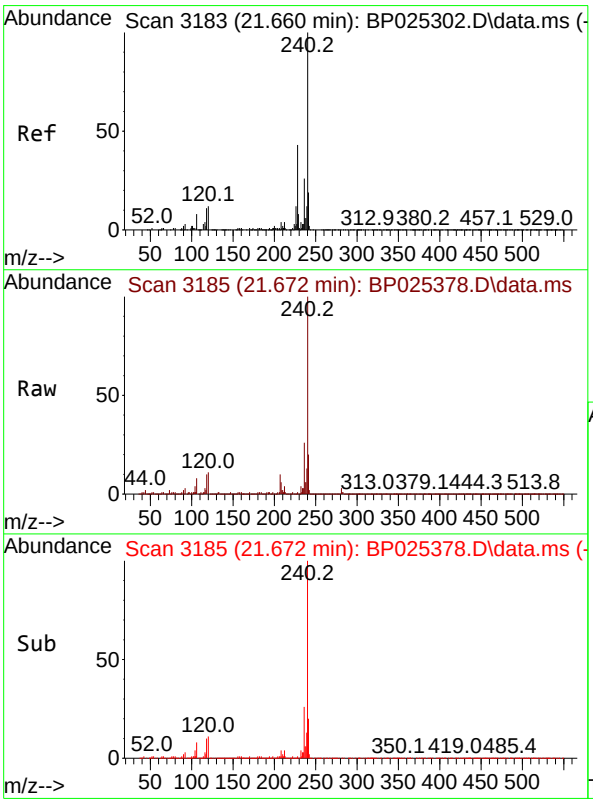
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

Instrument :
BNA_P
ClientSampleId :
PB169210BL

Tgt Ion:188 Resp: 848111

Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.0	12.0
80	9.5	8.5	12.7

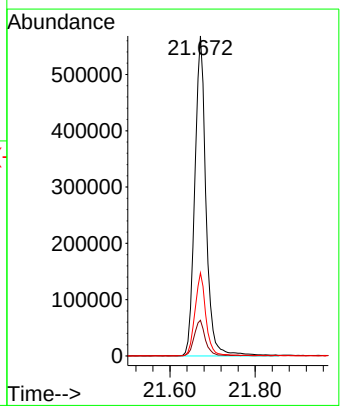


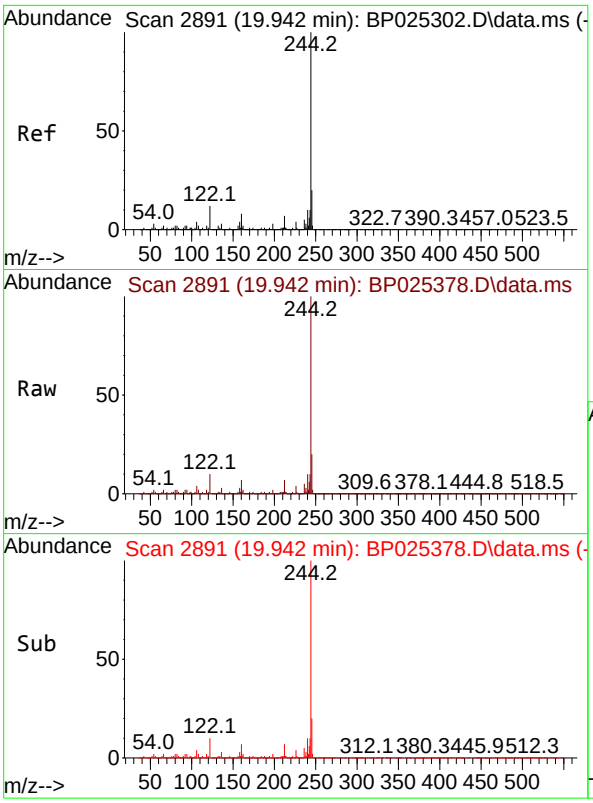


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.672 min Scan# 3185
Delta R.T. 0.012 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

Tgt Ion:240 Resp: 1035402

Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.6	14.4
236	26.0	20.4	30.6



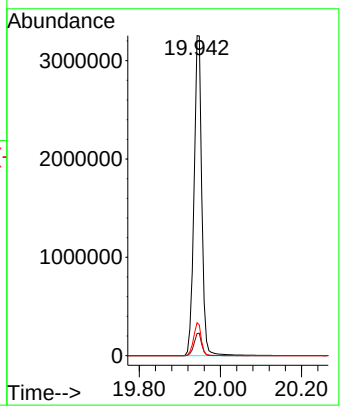


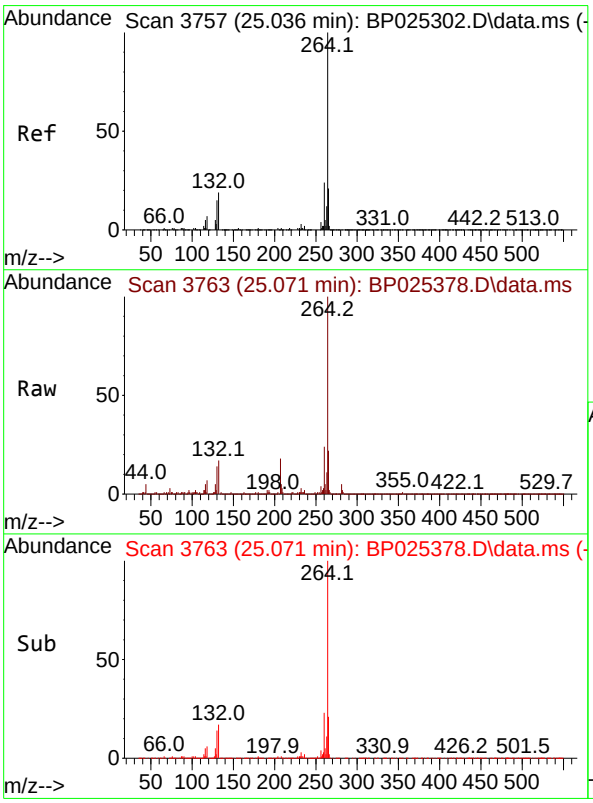
#79
Terphenyl-d14
Concen: 79.417 ng
RT: 19.942 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

Instrument :
BNA_P
ClientSampleId :
PB169210BL

Tgt Ion:244 Resp: 4353513

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	10.3	9.5	14.3

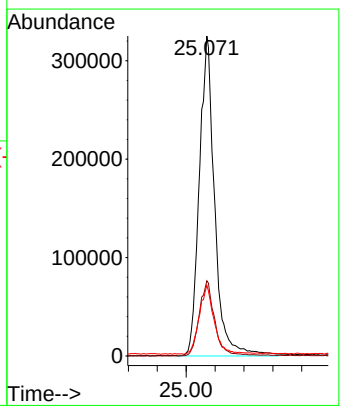




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.071 min Scan# 3763
Delta R.T. 0.035 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

Tgt Ion:264 Resp: 1197801

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.1	17.1	25.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025378.D
Acq On : 13 Aug 2025 10:32
Operator : CG/JU
Sample : PB169210BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169210BL

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-BP080525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025378.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.949	337	342	352	rVB	301513	428213	3.67%	0.868%
2	5.414	414	421	433	rBV	3365773	4844409	41.47%	9.820%
3	6.972	677	686	696	rBV	2881903	4676598	40.04%	9.480%
4	7.802	819	827	838	rBV	662272	1105279	9.46%	2.241%
5	8.937	1012	1020	1034	rBV	1950947	3302715	28.28%	6.695%
6	10.572	1290	1298	1305	rBV	892568	1440425	12.33%	2.920%
7	13.037	1708	1717	1729	rBV	4570197	7240752	61.99%	14.678%
8	14.413	1944	1951	1958	rBV	1142874	1748518	14.97%	3.544%
9	15.925	2201	2208	2224	rBV	2795569	5024115	43.01%	10.184%
10	17.213	2420	2427	2440	rBV2	1222251	2128428	18.22%	4.315%
11	19.942	2885	2891	2910	rBV	8719712	11680348	100.00%	23.677%
12	20.260	2941	2945	2955	rBV3	109234	201937	1.73%	0.409%
13	21.672	3178	3185	3197	rVB	1543332	2785450	23.85%	5.646%
14	25.071	3754	3763	3778	rVB	817157	2723821	23.32%	5.522%

Sum of corrected areas: 49331008

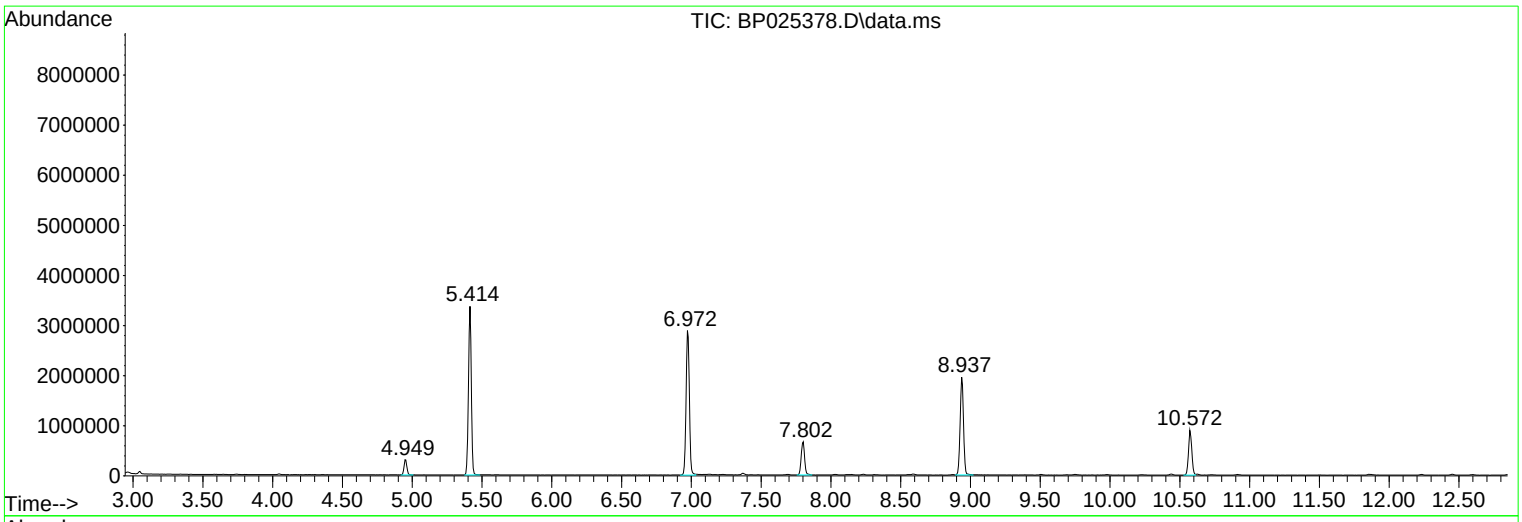
Sample Results: **BP025378.D**

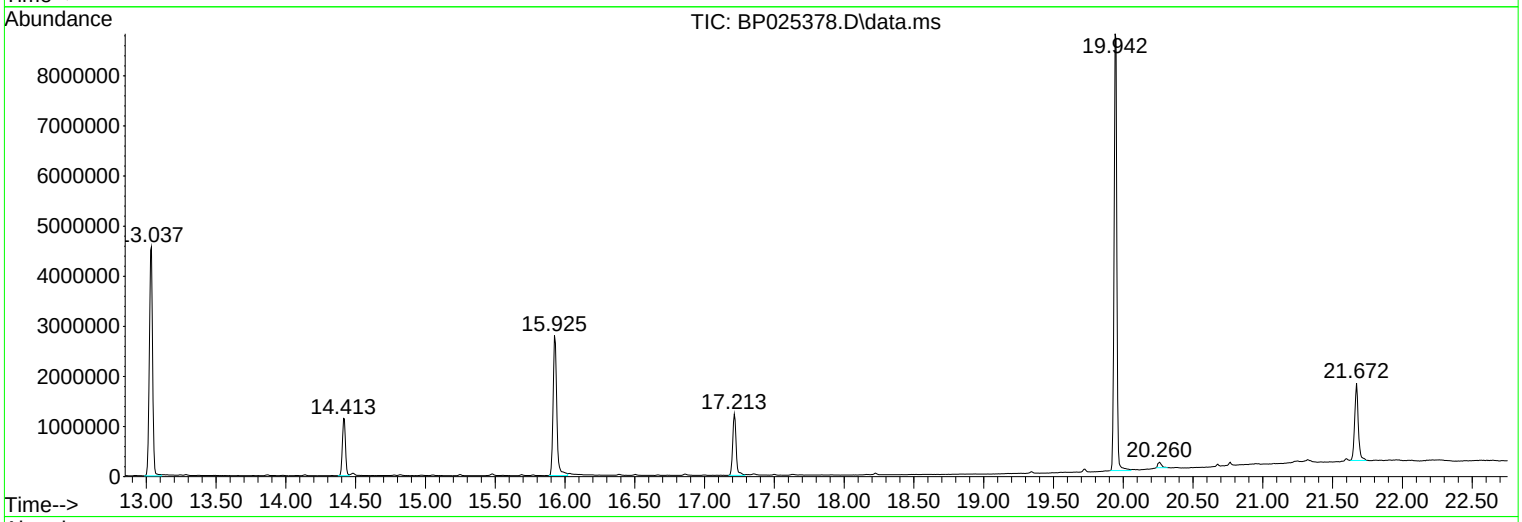
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025378.D
Acq On : 13 Aug 2025 10:32
Operator : CG/JU
Sample : PB169210BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

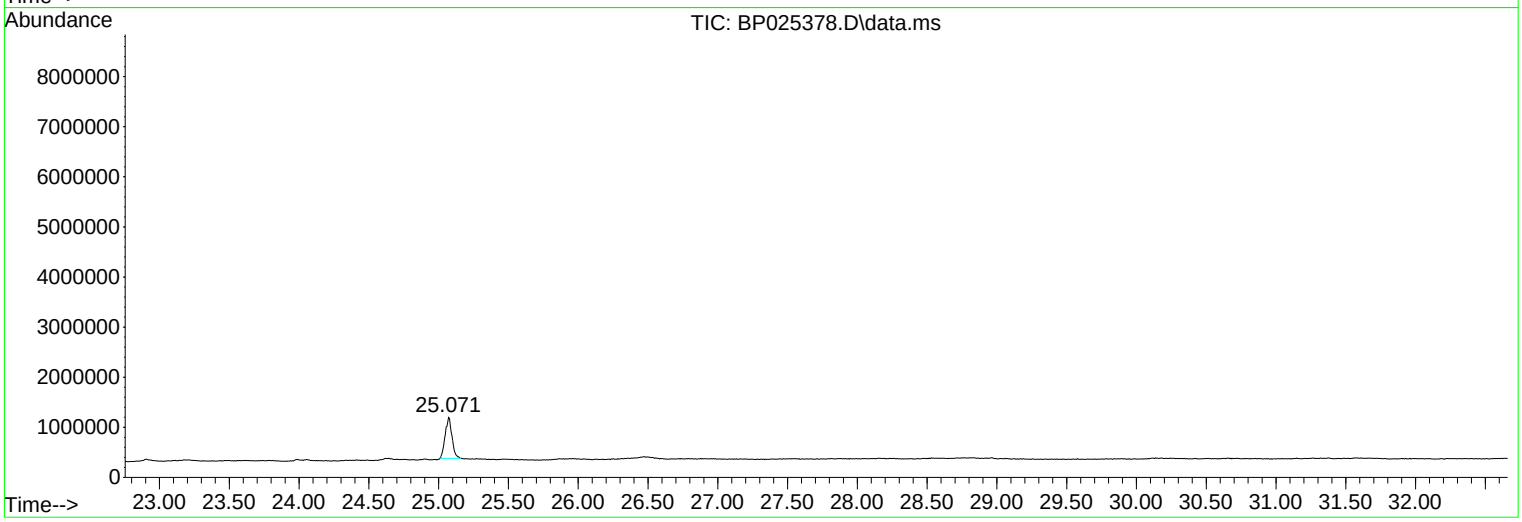
Instrument :
BNA_P
ClientSampleId :
PB169210BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.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\BP081325\
Data File : BP025378.D
Acq On : 13 Aug 2025 10:32
Operator : CG/JU
Sample : PB169210BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169210BL

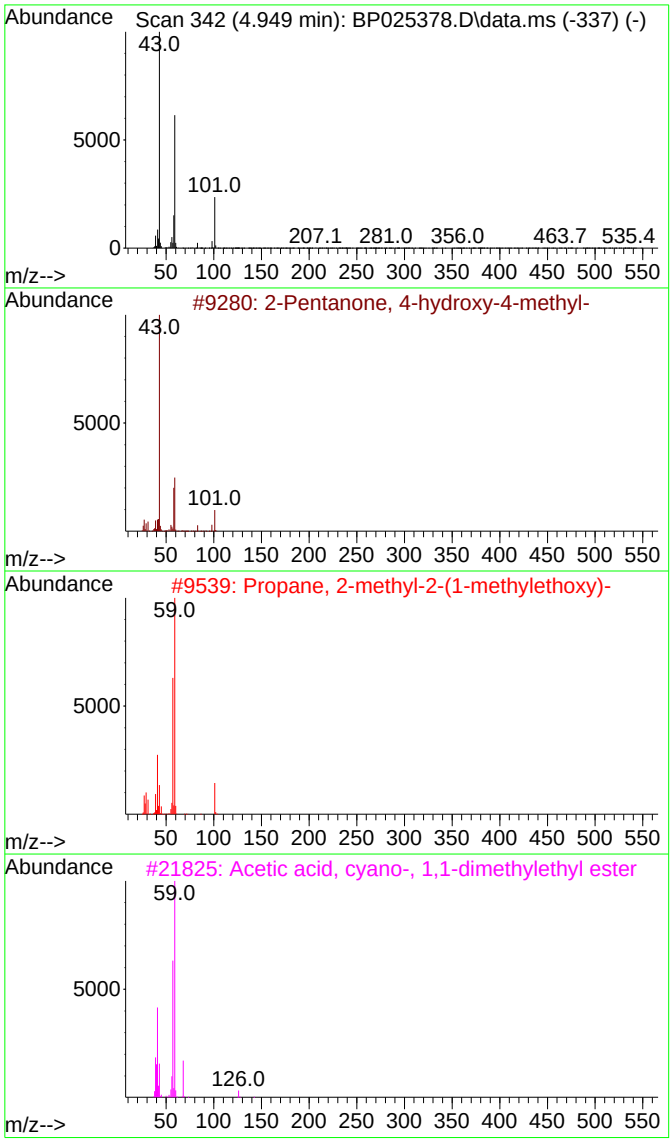
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

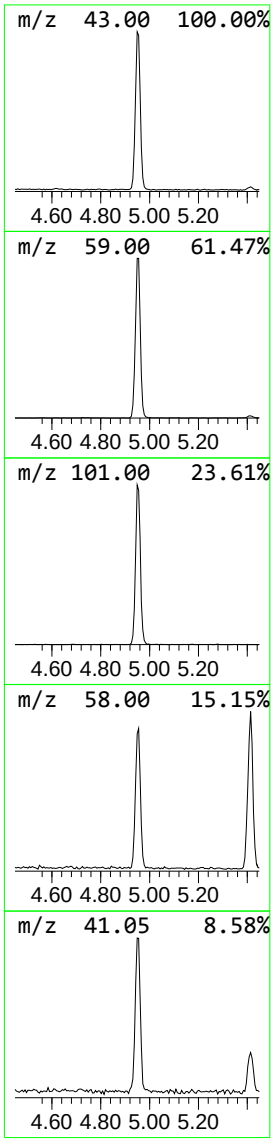
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.949	7.75 ng	428213	1,4-Dichlorobenzene-d4	7.802

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	53
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025378.D
Acq On : 13 Aug 2025 10:32
Operator : CG/JU
Sample : PB169210BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169210BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.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-...	4.949	7.8	ng	428213	1	7.802	1105280	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025402.D
Acq On : 14 Aug 2025 20:10
Operator : CG/JU
Sample : PB169210BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 15 01:37:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	156059	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	650560	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	435539	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	895607	20.000	ng	0.00
76) Chrysene-d12	21.648	240	937531	20.000	ng	0.00
86) Perylene-d12	25.018	264	1016818	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1280798	136.296	ng	0.00
7) Phenol-d6	6.972	99	1664968	138.195	ng	0.00
23) Nitrobenzene-d5	8.937	82	1023164	79.558	ng	0.00
42) 2,4,6-Tribromophenol	15.919	330	807504	137.743	ng	0.00
45) 2-Fluorobiphenyl	13.025	172	2538853	79.667	ng	0.00
79) Terphenyl-d14	19.942	244	4256352	83.062	ng	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.331	88	150326	40.840	ng	99
3) Pyridine	3.725	79	377128	37.433	ng	98
4) n-Nitrosodimethylamine	3.631	42	183326	44.137	ng	97
6) Aniline	7.125	93	680651	41.931	ng	98
8) 2-Chlorophenol	7.366	128	518221	48.869	ng	99
9) Benzaldehyde	6.937	77	256830	30.427	ng	98
10) Phenol	6.996	94	629374	49.784	ng	98
11) bis(2-Chloroethyl)ether	7.219	93	437105	44.360	ng	100
12) 1,3-Dichlorobenzene	7.684	146	509681	43.589	ng	100
13) 1,4-Dichlorobenzene	7.825	146	520662	43.564	ng	99
14) 1,2-Dichlorobenzene	8.143	146	502978	43.476	ng	97
15) Benzyl Alcohol	8.025	79	446566	46.649	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.313	45	580366	43.968	ng	98
17) 2-Methylphenol	8.225	107	435851	49.640	ng	99
18) Hexachloroethane	8.866	117	192819	43.879	ng	96
19) n-Nitroso-di-n-propyla...	8.584	70	349179	43.755	ng	97
20) 3+4-Methylphenols	8.549	107	601995	49.463	ng	98
22) Acetophenone	8.602	105	715431	43.852	ng	99
24) Nitrobenzene	8.978	77	512825	44.618	ng	99
25) Isophorone	9.502	82	1003541	44.092	ng	99
26) 2-Nitrophenol	9.678	139	274616	46.556	ng	99
27) 2,4-Dimethylphenol	9.743	122	502601	49.547	ng	99
28) bis(2-Chloroethoxy)met...	9.978	93	622573	45.252	ng	98
29) 2,4-Dichlorophenol	10.213	162	505992	50.213	ng	99
30) 1,2,4-Trichlorobenzene	10.425	180	484724	43.881	ng	99
31) Naphthalene	10.613	128	1505392	44.521	ng	99
32) Benzoic acid	9.884	122	383103	51.155	ng	97
33) 4-Chloroaniline	10.713	127	624236	41.794	ng	99
34) Hexachlorobutadiene	10.901	225	298042	43.323	ng	98
35) Caprolactam	11.496	113	181569	49.139	ng	99
36) 4-Chloro-3-methylphenol	11.831	107	582706	50.394	ng	98
37) 2-Methylnaphthalene	12.219	142	1004265	45.639	ng	99
38) 1-Methylnaphthalene	12.443	142	1051392	44.929	ng	99
40) 1,2,4,5-Tetrachloroben...	12.590	216	564099	44.845	ng	99
41) Hexachlorocyclopentadiene	12.578	237	716635	94.317	ng	99
43) 2,4,6-Trichlorophenol	12.825	196	420901	49.564	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025402.D
Acq On : 14 Aug 2025 20:10
Operator : CG/JU
Sample : PB169210BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 15 01:37:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	468666	50.356	ng	98
46) 1,1'-Biphenyl	13.231	154	1476847	46.689	ng	100
47) 2-Chloronaphthalene	13.272	162	1146132	46.544	ng	99
48) 2-Nitroaniline	13.472	65	355089	49.489	ng	96
49) Acenaphthylene	14.131	152	1910326	46.883	ng	100
50) Dimethylphthalate	13.860	163	1540919	48.314	ng	99
51) 2,6-Dinitrotoluene	13.978	165	335519	49.911	ng	98
52) Acenaphthene	14.478	154	1132105	47.334	ng	100
53) 3-Nitroaniline	14.307	138	331713	43.858	ng	97
54) 2,4-Dinitrophenol	14.513	184	401585	111.865	ng	97
55) Dibenzofuran	14.813	168	1757203	46.470	ng	100
56) 4-Nitrophenol	14.625	139	648186	104.294	ng	98
57) 2,4-Dinitrotoluene	14.766	165	491249	51.219	ng	100
58) Fluorene	15.472	166	1388189	46.525	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.042	232	408762	49.740	ng	99
60) Diethylphthalate	15.248	149	1563135	48.233	ng	99
61) 4-Chlorophenyl-phenyle...	15.472	204	683735	46.075	ng	98
62) 4-Nitroaniline	15.489	138	380486	49.072	ng	99
63) Azobenzene	15.772	77	1343333	48.409	ng	99
65) 4,6-Dinitro-2-methylph...	15.548	198	277954	49.788	ng	95
66) n-Nitrosodiphenylamine	15.689	169	1290834	47.265	ng	99
67) 4-Bromophenyl-phenylether	16.384	248	460600	46.761	ng	96
68) Hexachlorobenzene	16.501	284	531682	46.564	ng	98
69) Atrazine	16.660	200	492822	48.184	ng	97
70) Pentachlorophenol	16.848	266	700841	97.234	ng	99
71) Phenanthrene	17.248	178	2335980	47.481	ng	100
72) Anthracene	17.348	178	2338590	46.547	ng	99
73) Carbazole	17.619	167	2254500	47.640	ng	99
74) Di-n-butylphthalate	18.219	149	2850461	48.957	ng	100
75) Fluoranthene	19.336	202	2769236	47.188	ng	99
77) Benzidine	19.525	184	2034719	63.593	ng	99
78) Pyrene	19.713	202	2848697	46.748	ng	99
80) Butylbenzylphthalate	20.666	149	1350312	48.894	ng	99
81) Benzo(a)anthracene	21.630	228	2905027	46.984	ng	100
82) 3,3'-Dichlorobenzidine	21.548	252	936735	40.194	ng	99
83) Chrysene	21.695	228	2733737	47.211	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	1973001	48.532	ng	100
85) Di-n-octyl phthalate	22.877	149	3308927	47.320	ng	100
87) Indeno(1,2,3-cd)pyrene	28.848	276	3596116m	48.225	ng	
88) Benzo(b)fluoranthene	23.971	252	2918542	48.676	ng	99
89) Benzo(k)fluoranthene	24.042	252	2967349	49.456	ng	100
90) Benzo(a)pyrene	24.871	252	2854031	48.899	ng	99
91) Dibenzo(a,h)anthracene	28.942	278	2946612	48.354	ng	98
92) Benzo(g,h,i)perylene	30.053	276	2879368	48.068	ng	99

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

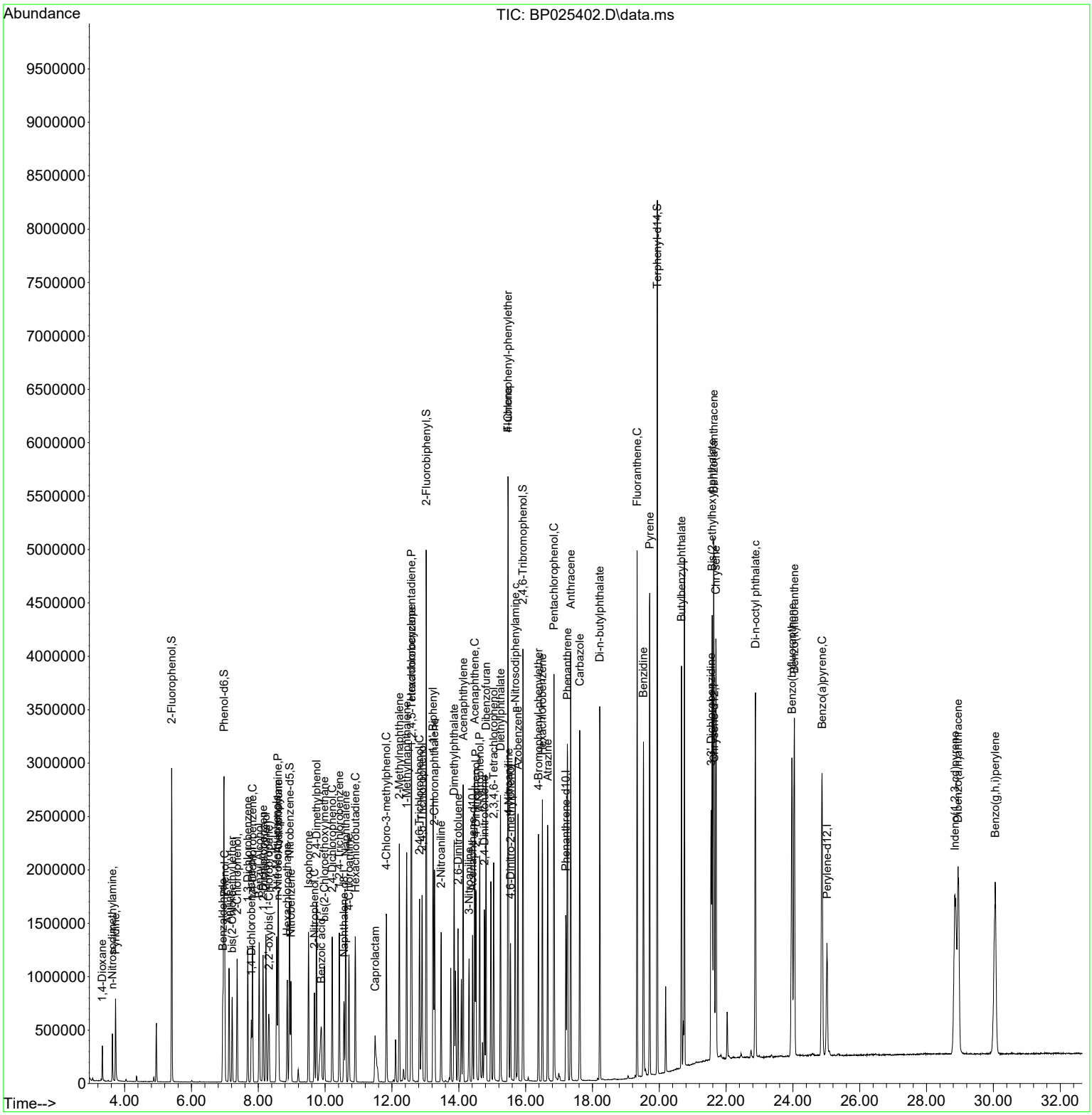
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025402.D
Acq On : 14 Aug 2025 20:10
Operator : CG/JU
Sample : PB169210BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 15 01:37:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143367.D
Acq On : 13 Aug 2025 11:12
Operator : RC/JU
Sample : Q2830-05MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 13 11:49:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	137804	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	517024	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	272568	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	391965	20.000	ng	0.00
76) Chrysene-d12	14.092	240	309493	20.000	ng	0.00
86) Perylene-d12	15.580	264	383464	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	762938	95.739	ng	0.00
7) Phenol-d6	6.563	99	975086	95.417	ng	0.00
23) Nitrobenzene-d5	7.487	82	626187	75.422	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	241161	121.066	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1107824	68.922	ng	0.00
79) Terphenyl-d14	13.027	244	1013154	58.445	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.804	88	163035	39.537	ng	99
3) Pyridine	3.575	79	438470	39.902	ng	100
4) n-Nitrosodimethylamine	3.510	42	231473	45.221	ng	99
6) Aniline	6.592	93	442543	30.717	ng	95
8) 2-Chlorophenol	6.722	128	387249	45.478	ng	96
9) Benzaldehyde	6.481	77	223837	33.140	ng	98
10) Phenol	6.575	94	499579	41.267	ng	99
11) bis(2-Chloroethyl)ether	6.657	93	401332	44.981	ng	99
12) 1,3-Dichlorobenzene	6.875	146	434984	44.288	ng	99
13) 1,4-Dichlorobenzene	6.945	146	436306	44.261	ng	99
14) 1,2-Dichlorobenzene	7.098	146	419380	44.818	ng	100
15) Benzyl Alcohol	7.069	79	344289	47.000	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	711810	44.687	ng	97
17) 2-Methylphenol	7.181	107	310496	43.198	ng	100
18) Hexachloroethane	7.445	117	149347	48.325	ng	96
19) n-Nitroso-di-n-propyla...	7.334	70	280271	44.386	ng	97
20) 3+4-Methylphenols	7.334	107	369644	42.523	ng	95
22) Acetophenone	7.334	105	511443	44.896	ng	97
24) Nitrobenzene	7.504	77	418648	46.430	ng	99
25) Isophorone	7.745	82	768386	45.335	ng	99
26) 2-Nitrophenol	7.822	139	203194	55.608	ng	99
27) 2,4-Dimethylphenol	7.863	122	349296m	49.398	ng	
28) bis(2-Chloroethoxy)met...	7.951	93	478776	46.267	ng	100
29) 2,4-Dichlorophenol	8.069	162	324090	46.926	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	347348	47.679	ng	99
31) Naphthalene	8.234	128	1089838	43.806	ng	100
32) Benzoic acid	7.975	122	193304	58.598	ng	99
33) 4-Chloroaniline	8.275	127	219162	24.424	ng	99
34) Hexachlorobutadiene	8.351	225	213552	47.123	ng	100
35) Caprolactam	8.645	113	95843	49.365	ng	99
36) 4-Chloro-3-methylphenol	8.763	107	325053	44.895	ng	99
37) 2-Methylnaphthalene	8.922	142	660623	40.391	ng	99
38) 1-Methylnaphthalene	9.022	142	682387	43.320	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	340812	45.694	ng	99
41) Hexachlorocyclopentadiene	9.081	237	306137	113.347	ng	98
43) 2,4,6-Trichlorophenol	9.204	196	214621	50.715	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143367.D
Acq On : 13 Aug 2025 11:12
Operator : RC/JU
Sample : Q2830-05MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 13 11:49:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	229789	48.084	ng		98
46) 1,1'-Biphenyl	9.386	154	876424	45.476	ng		99
47) 2-Chloronaphthalene	9.410	162	670874	44.200	ng		99
48) 2-Nitroaniline	9.504	65	209062	47.772	ng		99
49) Acenaphthylene	9.828	152	1078567	49.207	ng		100
50) Dimethylphthalate	9.680	163	767406	48.184	ng		100
51) 2,6-Dinitrotoluene	9.739	165	165224	54.402	ng		97
52) Acenaphthene	9.998	154	682321	46.824	ng		99
53) 3-Nitroaniline	9.910	138	108458	33.253	ng		98
54) 2,4-Dinitrophenol	10.022	184	128950	93.173	ng	#	82
55) Dibenzofuran	10.169	168	930157	44.351	ng		100
56) 4-Nitrophenol	10.080	139	201185	77.373	ng		96
57) 2,4-Dinitrotoluene	10.145	165	215672	53.556	ng		93
58) Fluorene	10.516	166	710470	44.351	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	187331	58.151	ng		97
60) Diethylphthalate	10.380	149	719937	50.466	ng		99
61) 4-Chlorophenyl-phenyle...	10.504	204	352284	45.513	ng		99
62) 4-Nitroaniline	10.522	138	150805	47.789	ng		99
63) Azobenzene	10.663	77	785525	48.208	ng		97
65) 4,6-Dinitro-2-methylph...	10.557	198	98616	60.040	ng		95
66) n-Nitrosodiphenylamine	10.622	169	608929	47.180	ng		99
67) 4-Bromophenyl-phenylether	10.992	248	215964	48.176	ng		98
68) Hexachlorobenzene	11.063	284	225664	46.702	ng		98
69) Atrazine	11.145	200	184901	54.927	ng		99
70) Pentachlorophenol	11.257	266	226544	94.613	ng		97
71) Phenanthrene	11.474	178	960966	44.935	ng		99
72) Anthracene	11.527	178	994942	45.875	ng		99
73) Carbazole	11.680	167	820685	44.432	ng		99
74) Di-n-butylphthalate	12.004	149	1030302	65.918	ng		100
75) Fluoranthene	12.663	202	909808	48.568	ng		99
77) Benzidine	12.780	184	293910	34.736	ng		99
78) Pyrene	12.892	202	914572	35.225	ng		100
80) Butylbenzylphthalate	13.504	149	381128	72.449	ng		97
81) Benzo(a)anthracene	14.080	228	899115	45.707	ng		100
82) 3,3'-Dichlorobenzidine	14.039	252	206592	38.894	ng		98
83) Chrysene	14.115	228	830343	45.269	ng		99
84) Bis(2-ethylhexyl)phtha...	14.063	149	559729	71.994	ng		98
85) Di-n-octyl phthalate	14.674	149	1029373	65.934	ng		98
87) Indeno(1,2,3-cd)pyrene	17.104	276	1220480	44.425	ng		100
88) Benzo(b)fluoranthene	15.145	252	1021721	48.714	ng		99
89) Benzo(k)fluoranthene	15.174	252	918699	45.078	ng		99
90) Benzo(a)pyrene	15.515	252	951612	48.173	ng		99
91) Dibenzo(a,h)anthracene	17.115	278	979680	44.637	ng		100
92) Benzo(g,h,i)perylene	17.562	276	974809	44.090	ng		98

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

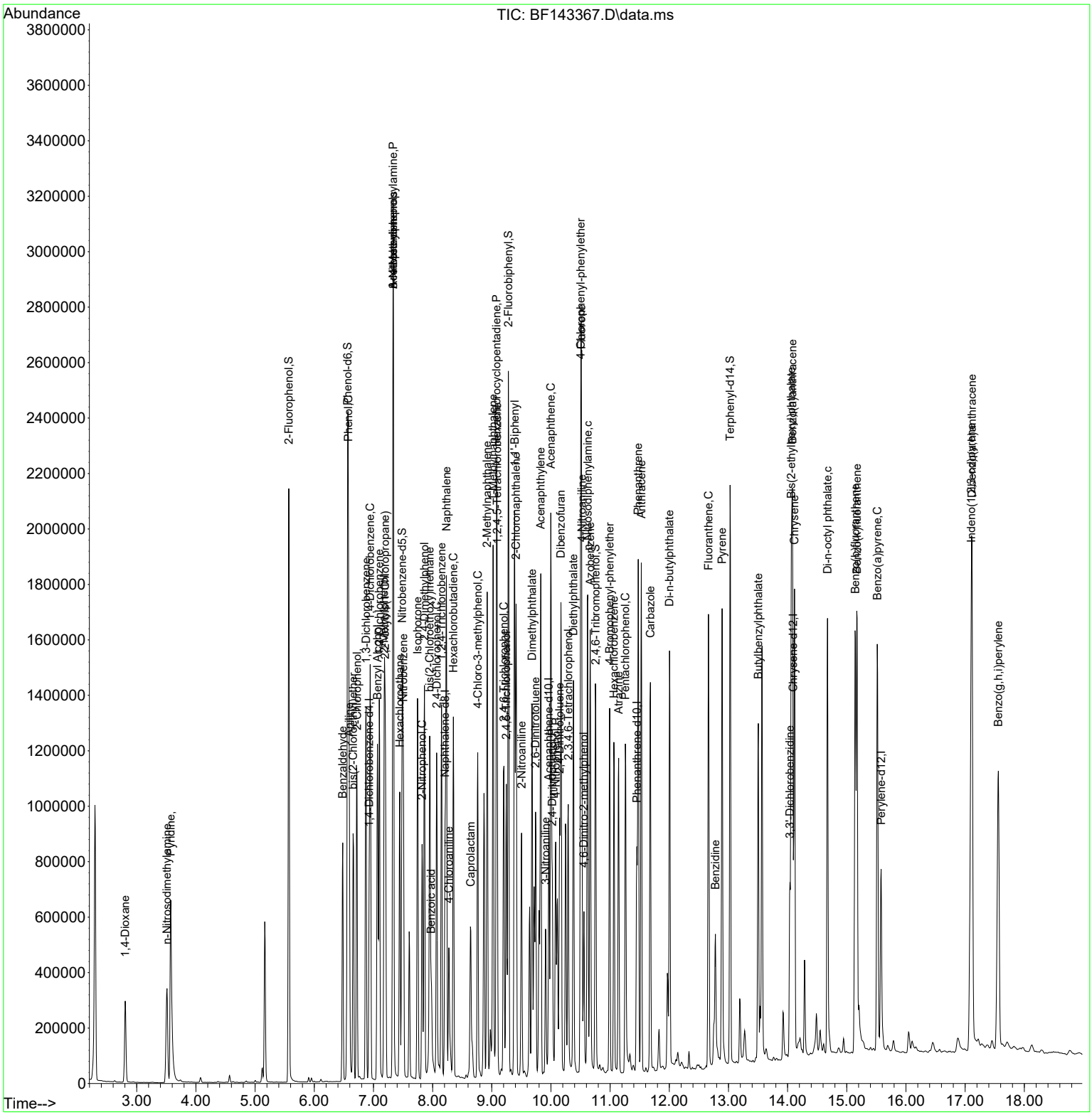
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143367.D
Acq On : 13 Aug 2025 11:12
Operator : RC/JU
Sample : Q2830-05MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 13 11:49:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/15/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143368.D
Acq On : 13 Aug 2025 11:42
Operator : RC/JU
Sample : Q2830-05MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 13 12:09:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	182122	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	707644	20.000	ng		0.00
39) Acenaphthene-d10	9.969	164	400799	20.000	ng		0.00
64) Phenanthrene-d10	11.451	188	660496	20.000	ng		0.00
76) Chrysene-d12	14.092	240	401162	20.000	ng		0.00
86) Perylene-d12	15.580	264	380758	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.575	112	1030173	97.815	ng		0.01
7) Phenol-d6	6.569	99	1365162	101.081	ng		0.00
23) Nitrobenzene-d5	7.487	82	878016	77.266	ng		0.00
42) 2,4,6-Tribromophenol	10.757	330	416362	142.146	ng		0.00
45) 2-Fluorobiphenyl	9.287	172	1556632	65.860	ng		0.00
79) Terphenyl-d14	13.033	244	1742522	77.549	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.852	88	216902	39.800	ng		99
3) Pyridine	3.610	79	587317	40.442	ng		98
4) n-Nitrosodimethylamine	3.552	42	317834	46.983	ng		99
6) Aniline	6.593	93	623006	32.720	ng	#	85
8) 2-Chlorophenol	6.722	128	538312	47.835	ng		97
9) Benzaldehyde	6.481	77	312941	35.058	ng		99
10) Phenol	6.581	94	683901	42.745	ng		90
11) bis(2-Chloroethyl)ether	6.663	93	535850	45.443	ng		100
12) 1,3-Dichlorobenzene	6.875	146	578637	44.578	ng		99
13) 1,4-Dichlorobenzene	6.945	146	581723	44.652	ng		99
14) 1,2-Dichlorobenzene	7.098	146	570467	46.129	ng		100
15) Benzyl Alcohol	7.069	79	492701	50.893	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.204	45	961341	45.666	ng		98
17) 2-Methylphenol	7.187	107	443333	46.670	ng		98
18) Hexachloroethane	7.445	117	202404	49.556	ng		97
19) n-Nitroso-di-n-propyla...	7.340	70	388884	46.600	ng		100
20) 3+4-Methylphenols	7.334	107	518418	45.126	ng		98
22) Acetophenone	7.334	105	694973	44.573	ng		99
24) Nitrobenzene	7.510	77	593508	48.092	ng		98
25) Isophorone	7.751	82	1117448	48.170	ng		100
26) 2-Nitrophenol	7.828	139	294278	58.630	ng		98
27) 2,4-Dimethylphenol	7.863	122	511164	52.817	ng		99
28) bis(2-Chloroethoxy)met...	7.957	93	676006	47.729	ng		100
29) 2,4-Dichlorophenol	8.069	162	468786	49.593	ng		99
30) 1,2,4-Trichlorobenzene	8.151	180	478500	47.989	ng		99
31) Naphthalene	8.234	128	1505002	44.199	ng		100
32) Benzoic acid	7.998	122	309164	65.585	ng		98
33) 4-Chloroaniline	8.275	127	272712	22.205	ng		99
34) Hexachlorobutadiene	8.351	225	288283	46.477	ng		99
35) Caprolactam	8.657	113	165196m	62.166	ng		
36) 4-Chloro-3-methylphenol	8.769	107	502504	50.708	ng		98
37) 2-Methylnaphthalene	8.922	142	946801	42.295	ng		100
38) 1-Methylnaphthalene	9.022	142	966128	44.811	ng		99
40) 1,2,4,5-Tetrachloroben...	9.092	216	480387	43.801	ng		99
41) Hexachlorocyclopentadiene	9.081	237	428209	108.143	ng		98
43) 2,4,6-Trichlorophenol	9.204	196	328493	52.788	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143368.D
Acq On : 13 Aug 2025 11:42
Operator : RC/JU
Sample : Q2830-05MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 13 12:09:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	351758	50.056	ng		100
46) 1,1'-Biphenyl	9.386	154	1270549	44.834	ng		100
47) 2-Chloronaphthalene	9.416	162	979937	43.906	ng		99
48) 2-Nitroaniline	9.504	65	340937	52.679	ng		100
49) Acenaphthylene	9.828	152	1581483	49.067	ng		99
50) Dimethylphthalate	9.686	163	1214679	51.866	ng		99
51) 2,6-Dinitrotoluene	9.745	165	268843	59.883	ng		94
52) Acenaphthene	10.004	154	1043271	48.688	ng		99
53) 3-Nitroaniline	9.916	138	192473	40.131	ng		98
54) 2,4-Dinitrophenol	10.028	184	241742	108.851	ng	#	79
55) Dibenzofuran	10.175	168	1401976	45.461	ng		99
56) 4-Nitrophenol	10.086	139	377068	97.115	ng		95
57) 2,4-Dinitrotoluene	10.151	165	367974	61.658	ng		94
58) Fluorene	10.516	166	1069858	45.419	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	302951	63.954	ng		98
60) Diethylphthalate	10.386	149	1155461	55.082	ng		98
61) 4-Chlorophenyl-phenyle...	10.504	204	544980	47.882	ng		99
62) 4-Nitroaniline	10.534	138	276498	59.587	ng		99
63) Azobenzene	10.669	77	1235605	51.569	ng		95
65) 4,6-Dinitro-2-methylph...	10.563	198	186228	66.409	ng		96
66) n-Nitrosodiphenylamine	10.622	169	962968	44.277	ng		99
67) 4-Bromophenyl-phenylether	10.998	248	358621	47.475	ng		95
68) Hexachlorobenzene	11.069	284	376657	46.259	ng		99
69) Atrazine	11.151	200	331678	58.471	ng		99
70) Pentachlorophenol	11.263	266	403940	99.770	ng		97
71) Phenanthrene	11.480	178	1582864	43.924	ng		99
72) Anthracene	11.533	178	1617222	44.251	ng		100
73) Carbazole	11.680	167	1435658	46.126	ng		98
74) Di-n-butylphthalate	12.010	149	1806368	68.584	ng		100
75) Fluoranthene	12.669	202	1600581	50.705	ng		99
77) Benzidine	12.780	184	443223	40.413	ng		98
78) Pyrene	12.898	202	1573380	46.752	ng		99
80) Butylbenzylphthalate	13.504	149	628406	91.246	ng		98
81) Benzo(a)anthracene	14.080	228	1177706	46.189	ng		100
82) 3,3'-Dichlorobenzidine	14.039	252	240837	34.980	ng		99
83) Chrysene	14.121	228	1116683	46.969	ng		99
84) Bis(2-ethylhexyl)phtha...	14.063	149	801196	79.088	ng		97
85) Di-n-octyl phthalate	14.674	149	1151053	57.708	ng		96
87) Indeno(1,2,3-cd)pyrene	17.104	276	1270391	46.571	ng		99
88) Benzo(b)fluoranthene	15.145	252	1011358	48.563	ng		99
89) Benzo(k)fluoranthene	15.174	252	1035288	51.160	ng		100
90) Benzo(a)pyrene	15.521	252	987713	50.356	ng		99
91) Dibenzo(a,h)anthracene	17.121	278	1038764	47.665	ng		99
92) Benzo(g,h,i)perylene	17.562	276	1008201	45.924	ng		99

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

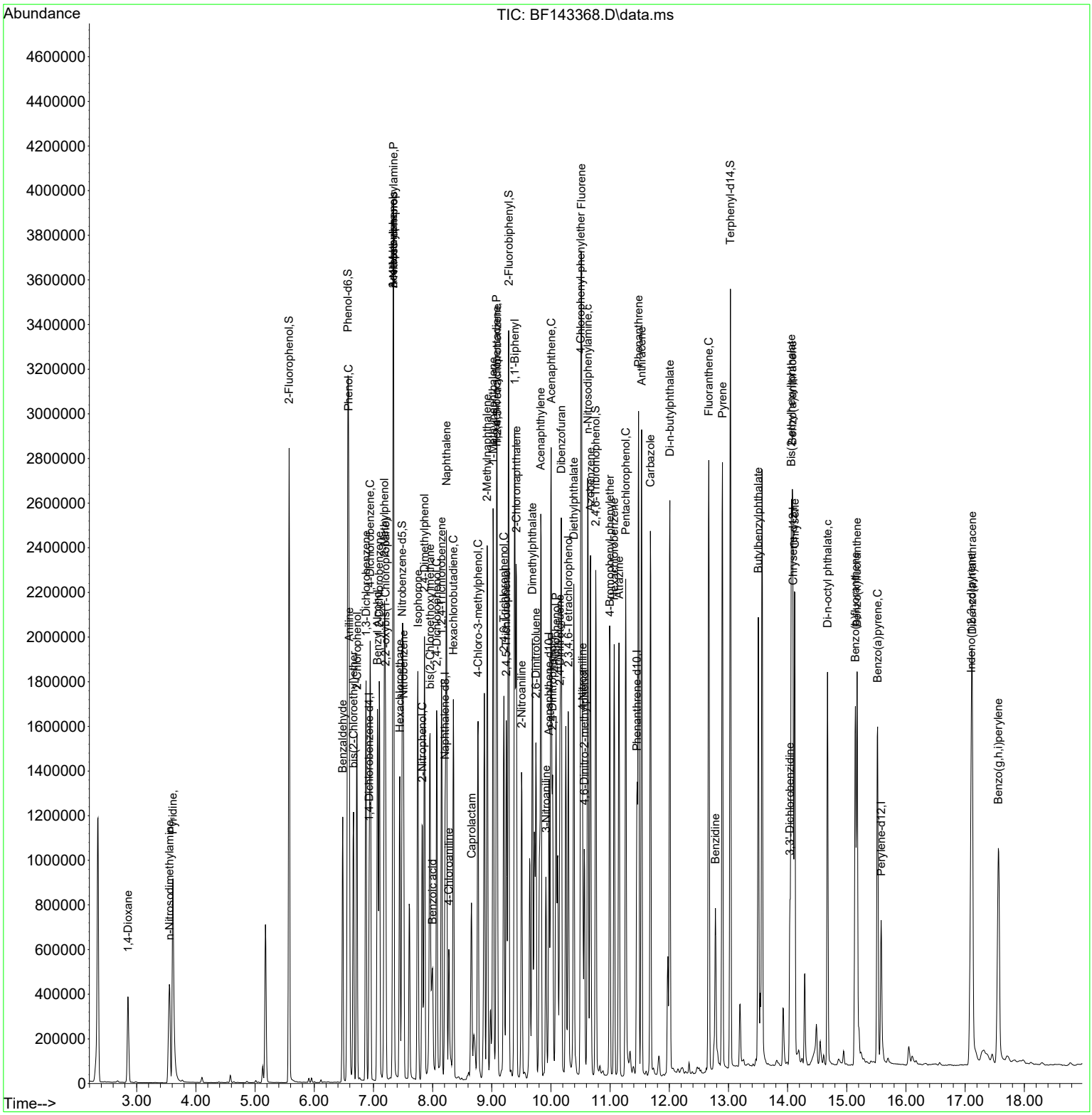
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143368.D
Acq On : 13 Aug 2025 11:42
Operator : RC/JU
Sample : Q2830-05MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 13 12:09:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/15/2025



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

Manual Integration Report

Sequence:	BF081225	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF143345.D	Benzoic acid	Rahul	8/13/2025 8:58:28 AM	Jagrut	8/13/2025 11:10:31 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf081325	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2830-05MS	BF143367.D	2,4-Dimethylphenol	Rahul	8/14/2025 10:12:53 AM	Jagrut	8/15/2025 12:46:35 PM	Peak Integrated by Software
Q2830-05MSD	BF143368.D	Caprolactam	Rahul	8/14/2025 10:12:55 AM	Jagrut	8/15/2025 12:46:37 PM	Peak Integrated by Software
SSTDCCC040	BF143375.D	2,4-Dimethylphenol	Rahul	8/14/2025 10:13:11 AM	Jagrut	8/15/2025 12:46:49 PM	Peak Integrated by Software
SSTDCCC040	BF143375.D	Benzoic acid	Rahul	8/14/2025 10:13:11 AM	Jagrut	8/15/2025 12:46:49 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bp080525	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP025299.D	2,3,4,6-Tetrachlorophenol	Rahul	8/6/2025 10:18:06 AM	Jagrut	8/6/2025 10:57:46 AM	Peak Integrated by Software
SSTDICC005	BP025299.D	Indeno(1,2,3-cd)pyrene	Rahul	8/6/2025 10:18:06 AM	Jagrut	8/6/2025 10:57:46 AM	Peak Integrated by Software
SSTDICC020	BP025301.D	Indeno(1,2,3-cd)pyrene	Rahul	8/6/2025 10:18:08 AM	Jagrut	8/6/2025 10:57:48 AM	Peak Integrated by Software
SSTDICCC040	BP025302.D	Indeno(1,2,3-cd)pyrene	Rahul	8/6/2025 10:18:12 AM	Jagrut	8/6/2025 10:57:51 AM	Peak Integrated by Software
SSTDICC050	BP025303.D	Indeno(1,2,3-cd)pyrene	Rahul	8/6/2025 10:18:14 AM	Jagrut	8/6/2025 10:57:53 AM	Peak Integrated by Software
SSTDICC080	BP025305.D	Benzaldehyde	Rahul	8/6/2025 10:18:17 AM	Jagrut	8/6/2025 10:57:55 AM	Peak Integrated by Software
SSTDICC080	BP025305.D	Benzo(g,h,i)perylene	Rahul	8/6/2025 10:18:17 AM	Jagrut	8/6/2025 10:57:55 AM	Peak Integrated by Software
SSTDICC080	BP025305.D	Caprolactam	Rahul	8/6/2025 10:18:17 AM	Jagrut	8/6/2025 10:57:55 AM	Peak Integrated by Software
SSTDICC080	BP025305.D	Indeno(1,2,3-cd)pyrene	Rahul	8/6/2025 10:18:17 AM	Jagrut	8/6/2025 10:57:55 AM	Peak Integrated by Software
SSTDICV040	BP025306.D	Indeno(1,2,3-cd)pyrene	Rahul	8/6/2025 10:18:20 AM	Jagrut	8/6/2025 10:57:58 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bp081225	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP025360.D	Benzaldehyde	Rahul	8/13/2025 8:57:32 AM	Jagrut	8/13/2025 11:24:26 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP081325	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP025377.D	Indeno(1,2,3-cd)pyrene	Rahul	8/14/2025 10:14:27 AM	Jagrut	8/14/2025 2:29:12 PM	Peak Integrated by Software
SSTDCCC040	BP025389.D	Acenaphthene	Rahul	8/14/2025 10:14:41 AM	Jagrut	8/14/2025 2:29:24 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP081425	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP025393.D	Acenaphthene	Rahul	8/15/2025 9:34:57 AM	Jagrut	8/15/2025 12:49:22 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Acenaphthene	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Benzaldehyde	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Benzoic acid	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC020	BP025395.D	Acenaphthene	Rahul	8/15/2025 9:34:49 AM	Jagrut	8/15/2025 12:49:27 PM	Peak Integrated by Software
SSTDICC020	BP025395.D	Benzoic acid	Rahul	8/15/2025 9:34:49 AM	Jagrut	8/15/2025 12:49:27 PM	Peak Integrated by Software
SSTDICC020	BP025395.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:49 AM	Jagrut	8/15/2025 12:49:27 PM	Peak Integrated by Software
SSTDICCC040	BP025396.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:47 AM	Jagrut	8/15/2025 12:49:30 PM	Peak Integrated by Software
SSTDICC050	BP025397.D	Benzo(g,h,i)perylene	Rahul	8/15/2025 9:34:43 AM	Jagrut	8/15/2025 12:49:33 PM	Peak Integrated by Software
SSTDICC050	BP025397.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:43 AM	Jagrut	8/15/2025 12:49:33 PM	Peak Integrated by Software
SSTDICC080	BP025399.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:40 AM	Jagrut	8/15/2025 12:49:36 PM	Peak Integrated by Software
SSTDICV040	BP025400.D	Acenaphthene	Rahul	8/15/2025 9:34:38 AM	Jagrut	8/15/2025 12:49:39 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP081425	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB169210BS	BP025402.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:35 AM	Jagrut	8/15/2025 12:49:41 PM	Peak Integrated by Software
SSTDCCC040	BP025403.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:33 AM	Jagrut	8/15/2025 12:49:44 PM	Peak Integrated by Software
SSTDCCC040	BP025405.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:31 AM	Jagrut	8/15/2025 12:49:46 PM	Peak Integrated by Software
SSTDCCC040	BP025420.D	Acenaphthene	Rahul	8/15/2025 12:47:42 PM	Jagrut	8/15/2025 12:48:50 PM	Peak Integrated by Software
SSTDCCC040	BP025420.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 12:47:42 PM	Jagrut	8/15/2025 12:48:50 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081225

Review By	Jagrut	Review On	8/13/2025 11:12:27 AM				
Supervise By	Rahul	Supervise On	8/13/2025 3:44:43 PM				
SubDirectory	BF081225	HP Acquire Method	BNA_F		HP Processing Method	bf081225	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143342.D	12 Aug 2025 08:34	RC/JU	Ok
2	SSTDICC2.5	BF143343.D	12 Aug 2025 09:03	RC/JU	Ok
3	SSTDICC005	BF143344.D	12 Aug 2025 09:34	RC/JU	Ok
4	SSTDICC010	BF143345.D	12 Aug 2025 10:04	RC/JU	Ok,M
5	SSTDICC020	BF143346.D	12 Aug 2025 10:35	RC/JU	Ok
6	SSTDICCC040	BF143347.D	12 Aug 2025 11:06	RC/JU	Ok
7	SSTDICC050	BF143348.D	12 Aug 2025 11:37	RC/JU	Ok
8	SSTDICC060	BF143349.D	12 Aug 2025 12:07	RC/JU	Ok
9	SSTDICC080	BF143350.D	12 Aug 2025 12:38	RC/JU	Ok
10	SSTDICV040	BF143351.D	12 Aug 2025 13:52	RC/JU	Ok
11	PB169189BL	BF143352.D	12 Aug 2025 14:22	RC/JU	Ok
12	PB169189BS	BF143353.D	12 Aug 2025 14:53	RC/JU	Ok,M
13	Q2807-02	BF143354.D	12 Aug 2025 15:33	RC/JU	Ok,M
14	Q2807-01	BF143355.D	12 Aug 2025 16:02	RC/JU	Ok
15	Q2807-03	BF143356.D	12 Aug 2025 16:32	RC/JU	Ok,M
16	Q2807-03MS	BF143357.D	12 Aug 2025 17:02	RC/JU	Ok
17	Q2807-03MSD	BF143358.D	12 Aug 2025 17:32	RC/JU	Ok,M
18	Q2830-07	BF143359.D	12 Aug 2025 18:02	RC/JU	Ok
19	Q2830-01	BF143360.D	12 Aug 2025 18:32	RC/JU	Ok
20	Q2830-03	BF143361.D	12 Aug 2025 19:02	RC/JU	Ok
21	Q2830-05	BF143362.D	12 Aug 2025 19:32	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081225

Review By	Jagrut	Review On	8/13/2025 11:12:27 AM				
Supervise By	Rahul	Supervise On	8/13/2025 3:44:43 PM				
SubDirectory	BF081225	HP Acquire Method	BNA_F		HP Processing Method	bf081225	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2831-01	BF143363.D	12 Aug 2025 20:02	RC/JU	Ok,M

M : Manual Integration

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

Daily Analysis Runlog For Sequence/QCBatch ID # BF081325

Review By	Rahul	Review On	8/14/2025 10:13:42 AM		
Supervise By	Jagrut	Supervise On	8/15/2025 12:47:02 PM		
SubDirectory	BF081325	HP Acquire Method	BNA_F	HP Processing Method	bf081225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143364.D	13 Aug 2025 08:59	RC/JU	Ok
2	SSTDCCC040	BF143365.D	13 Aug 2025 10:00	RC/JU	Ok
3	PB169210BL	BF143366.D	13 Aug 2025 10:30	RC/JU	Ok
4	Q2830-05MS	BF143367.D	13 Aug 2025 11:12	RC/JU	Ok,M
5	Q2830-05MSD	BF143368.D	13 Aug 2025 11:42	RC/JU	Ok,M
6	Q2808-04	BF143369.D	13 Aug 2025 12:12	RC/JU	Ok
7	Q2808-04MS	BF143370.D	13 Aug 2025 12:42	RC/JU	Ok,M
8	Q2808-04MSD	BF143371.D	13 Aug 2025 13:12	RC/JU	Ok,M
9	Q2827-04	BF143372.D	13 Aug 2025 13:42	RC/JU	Ok
10	Q2827-08	BF143373.D	13 Aug 2025 14:11	RC/JU	Ok,M
11	Q2831-03	BF143374.D	13 Aug 2025 14:42	RC/JU	Ok,M
12	SSTDCCC040	BF143375.D	13 Aug 2025 15:41	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP080525

Review By	Rahul	Review On	8/6/2025 10:18:45 AM		
Supervise By	Jagrut	Supervise On	8/6/2025 10:58:08 AM		
SubDirectory	BP080525	HP Acquire Method	BNA_P	HP Processing Method	bp080525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13169,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025297.D	05 Aug 2025 11:21	CG/JU	Ok
2	SSTDICC2.5	BP025298.D	05 Aug 2025 12:03	CG/JU	Ok
3	SSTDICC005	BP025299.D	05 Aug 2025 12:44	CG/JU	Ok,M
4	SSTDICC010	BP025300.D	05 Aug 2025 13:25	CG/JU	Ok
5	SSTDICC020	BP025301.D	05 Aug 2025 14:06	CG/JU	Ok,M
6	SSTDICCC040	BP025302.D	05 Aug 2025 14:47	CG/JU	Ok,M
7	SSTDICC050	BP025303.D	05 Aug 2025 15:28	CG/JU	Ok,M
8	SSTDICC060	BP025304.D	05 Aug 2025 16:10	CG/JU	Ok
9	SSTDICC080	BP025305.D	05 Aug 2025 16:51	CG/JU	Ok,M
10	SSTDICV040	BP025306.D	05 Aug 2025 17:32	CG/JU	Ok,M
11	PB169079TB	BP025307.D	05 Aug 2025 18:54	CG/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081225

Review By	Rahul	Review On	8/13/2025 11:12:01 AM		
Supervise By	Jagrut	Supervise On	8/13/2025 11:24:57 AM		
SubDirectory	BP081225	HP Acquire Method	BNA_P	HP Processing Method	bp080525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025359.D	12 Aug 2025 09:26	CG/JU	Ok
2	SSTDCCC040	BP025360.D	12 Aug 2025 10:07	CG/JU	Ok,M
3	PB169176BL	BP025361.D	12 Aug 2025 10:49	CG/JU	Ok
4	PB169176BS	BP025362.D	12 Aug 2025 11:30	CG/JU	Ok,M
5	PB169180BL	BP025363.D	12 Aug 2025 12:12	CG/JU	Ok
6	PB169180BS	BP025364.D	12 Aug 2025 12:54	CG/JU	Ok,M
7	PB169162BL	BP025365.D	12 Aug 2025 13:36	CG/JU	Ok
8	PB169162BS	BP025366.D	12 Aug 2025 14:17	CG/JU	Ok,M
9	PB169162BSD	BP025367.D	12 Aug 2025 14:59	CG/JU	Ok,M
10	PB169149TB	BP025368.D	12 Aug 2025 15:40	CG/JU	Ok
11	Q2798-01	BP025369.D	12 Aug 2025 16:37	CG/JU	Ok
12	Q2808-01	BP025370.D	12 Aug 2025 17:19	CG/JU	Ok,M
13	Q2818-01	BP025371.D	12 Aug 2025 18:00	CG/JU	Ok
14	Q2818-02	BP025372.D	12 Aug 2025 18:42	CG/JU	Ok
15	Q2827-01	BP025373.D	12 Aug 2025 19:23	CG/JU	Ok,M
16	Q2827-05	BP025374.D	12 Aug 2025 20:05	CG/JU	Dilution
17	Q2823-01	BP025375.D	12 Aug 2025 20:46	CG/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081325

Review By	Rahul	Review On	8/14/2025 10:15:11 AM		
Supervise By	Jagrut	Supervise On	8/14/2025 2:29:41 PM		
SubDirectory	BP081325	HP Acquire Method	BNA_P	HP Processing Method	bp080525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025376.D	13 Aug 2025 09:10	CG/JU	Ok
2	SSTDCCC040	BP025377.D	13 Aug 2025 09:51	CG/JU	Ok,M
3	PB169210BL	BP025378.D	13 Aug 2025 10:32	CG/JU	Ok
4	PB169210BS	BP025379.D	13 Aug 2025 11:14	CG/JU	Not Ok
5	Q2820-02	BP025380.D	13 Aug 2025 11:59	CG/JU	Ok
6	Q2820-05	BP025381.D	13 Aug 2025 12:41	CG/JU	Ok,M
7	Q2820-06	BP025382.D	13 Aug 2025 13:22	CG/JU	Ok,M
8	Q2820-08	BP025383.D	13 Aug 2025 14:04	CG/JU	Ok
9	Q2820-09	BP025384.D	13 Aug 2025 14:46	CG/JU	Ok
10	Q2820-04	BP025385.D	13 Aug 2025 15:27	CG/JU	Ok
11	Q2820-01	BP025386.D	13 Aug 2025 16:09	CG/JU	ReRun
12	Q2820-03	BP025387.D	13 Aug 2025 16:50	CG/JU	Ok
13	Q2820-07	BP025388.D	13 Aug 2025 17:32	CG/JU	ReRun
14	SSTDCCC040	BP025389.D	13 Aug 2025 18:13	CG/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM		
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM		
SubDirectory	BP081425	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025390.D	14 Aug 2025 10:30	CG/JU	Ok
2	SSTDCCC040	BP025391.D	14 Aug 2025 11:52	CG/JU	Not Ok
3	SSTDICC2.5	BP025392.D	14 Aug 2025 12:33	CG/JU	Ok
4	SSTDICC005	BP025393.D	14 Aug 2025 13:15	CG/JU	Ok,M
5	SSTDICC010	BP025394.D	14 Aug 2025 13:56	CG/JU	Ok,M
6	SSTDICC020	BP025395.D	14 Aug 2025 14:38	CG/JU	Ok,M
7	SSTDICCC040	BP025396.D	14 Aug 2025 15:19	CG/JU	Ok,M
8	SSTDICC050	BP025397.D	14 Aug 2025 16:01	CG/JU	Ok,M
9	SSTDICC060	BP025398.D	14 Aug 2025 16:42	CG/JU	Ok
10	SSTDICC080	BP025399.D	14 Aug 2025 17:24	CG/JU	Ok,M
11	SSTDICV040	BP025400.D	14 Aug 2025 18:05	CG/JU	Ok,M
12	PB169200TB	BP025401.D	14 Aug 2025 19:28	CG/JU	Ok
13	PB169210BS	BP025402.D	14 Aug 2025 20:10	CG/JU	Ok,M
14	SSTDCCC040	BP025403.D	14 Aug 2025 20:51	CG/JU	Ok,M
15	DFTPP	BP025404.D	14 Aug 2025 22:14	CG/JU	Ok
16	SSTDCCC040	BP025405.D	14 Aug 2025 22:56	CG/JU	Ok,M
17	PB169228BL	BP025406.D	14 Aug 2025 23:37	CG/JU	Ok
18	PB169228BS	BP025407.D	15 Aug 2025 00:18	CG/JU	Ok,M
19	Q2820-10	BP025408.D	15 Aug 2025 01:00	CG/JU	Ok
20	Q2820-11	BP025409.D	15 Aug 2025 01:41	CG/JU	Ok
21	Q2820-21	BP025410.D	15 Aug 2025 02:22	CG/JU	ReRun

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM		
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM		
SubDirectory	BP081425	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2820-22	BP025411.D	15 Aug 2025 03:03	CG/JU	ReRun
23	Q2820-14	BP025412.D	15 Aug 2025 03:45	CG/JU	Ok
24	Q2820-16	BP025413.D	15 Aug 2025 04:26	CG/JU	Ok
25	Q2820-17	BP025414.D	15 Aug 2025 05:07	CG/JU	Ok
26	Q2820-17MS	BP025415.D	15 Aug 2025 05:48	CG/JU	Ok,M
27	Q2820-17MSD	BP025416.D	15 Aug 2025 06:29	CG/JU	Ok,M
28	Q2820-18	BP025417.D	15 Aug 2025 07:10	CG/JU	Ok
29	Q2820-19	BP025418.D	15 Aug 2025 07:51	CG/JU	ReRun
30	Q2820-20	BP025419.D	15 Aug 2025 08:32	CG/JU	ReRun
31	SSTDCCC040	BP025420.D	15 Aug 2025 09:13	CG/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081225

Review By	Jagrut	Review On	8/13/2025 11:12:27 AM		
Supervise By	Rahul	Supervise On	8/13/2025 3:44:43 PM		
SubDirectory	BF081225	HP Acquire Method	BNA_F	HP Processing Method	bf081225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13170,10ul/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	BF143342.D	12 Aug 2025 08:34		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF143343.D	12 Aug 2025 09:03		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF143344.D	12 Aug 2025 09:34		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF143345.D	12 Aug 2025 10:04		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF143346.D	12 Aug 2025 10:35		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF143347.D	12 Aug 2025 11:06	Compound #26,41,48,51,56,57,65,70,80,84, 85 Kept on LR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF143348.D	12 Aug 2025 11:37	Compound #32,54 kept on QR	RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF143349.D	12 Aug 2025 12:07		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF143350.D	12 Aug 2025 12:38	Compound#09 removed from 80 ppm	RC/JU	Ok
10	SSTDICV040	ICVBF081225	BF143351.D	12 Aug 2025 13:52		RC/JU	Ok
11	PB169189BL	PB169189BL	BF143352.D	12 Aug 2025 14:22		RC/JU	Ok
12	PB169189BS	PB169189BS	BF143353.D	12 Aug 2025 14:53	Compound#44,51,59,62,74 failing high	RC/JU	Ok,M
13	Q2807-02	COMP-5	BF143354.D	12 Aug 2025 15:33		RC/JU	Ok,M
14	Q2807-01	COMP-4	BF143355.D	12 Aug 2025 16:02		RC/JU	Ok
15	Q2807-03	COMP-6	BF143356.D	12 Aug 2025 16:32		RC/JU	Ok,M
16	Q2807-03MS	COMP-6MS	BF143357.D	12 Aug 2025 17:02		RC/JU	Ok
17	Q2807-03MSD	COMP-6MSD	BF143358.D	12 Aug 2025 17:32		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081225

Review By	Jagrut	Review On	8/13/2025 11:12:27 AM		
Supervise By	Rahul	Supervise On	8/13/2025 3:44:43 PM		
SubDirectory	BF081225	HP Acquire Method	BNA_F	HP Processing Method	bf081225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2830-07	BIN0009-DRIVEWAY-T	BF143359.D	12 Aug 2025 18:02		RC/JU	Ok
19	Q2830-01	BIN0009-DRIVEWAY-T	BF143360.D	12 Aug 2025 18:32		RC/JU	Ok
20	Q2830-03	BIN0009-DRIVEWAY-T	BF143361.D	12 Aug 2025 19:02		RC/JU	Ok
21	Q2830-05	BIN0009-DRIVEWAY-T	BF143362.D	12 Aug 2025 19:32		RC/JU	Ok
22	Q2831-01	VNJ-238	BF143363.D	12 Aug 2025 20:02		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081325

Review By	Rahul	Review On	8/14/2025 10:13:42 AM		
Supervise By	Jagrut	Supervise On	8/15/2025 12:47:02 PM		
SubDirectory	BF081325	HP Acquire Method	BNA_F	HP Processing Method	bf081225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13170,10ul/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	BF143364.D	13 Aug 2025 08:59		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143365.D	13 Aug 2025 10:00		RC/JU	Ok
3	PB169210BL	PB169210BL	BF143366.D	13 Aug 2025 10:30		RC/JU	Ok
4	Q2830-05MS	BIN0009-DRIVEWAY-T	BF143367.D	13 Aug 2025 11:12		RC/JU	Ok,M
5	Q2830-05MSD	BIN0009-DRIVEWAY-T	BF143368.D	13 Aug 2025 11:42		RC/JU	Ok,M
6	Q2808-04	TP-7	BF143369.D	13 Aug 2025 12:12		RC/JU	Ok
7	Q2808-04MS	TP-7MS	BF143370.D	13 Aug 2025 12:42		RC/JU	Ok,M
8	Q2808-04MSD	TP-7MSD	BF143371.D	13 Aug 2025 13:12		RC/JU	Ok,M
9	Q2827-04	TP-8	BF143372.D	13 Aug 2025 13:42		RC/JU	Ok
10	Q2827-08	TP-9	BF143373.D	13 Aug 2025 14:11		RC/JU	Ok,M
11	Q2831-03	VNJ-238	BF143374.D	13 Aug 2025 14:42		RC/JU	Ok,M
12	SSTDCCC040	SSTDCCC040EC	BF143375.D	13 Aug 2025 15:41		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP080525

Review By	Rahul	Review On	8/6/2025 10:18:45 AM		
Supervise By	Jagrut	Supervise On	8/6/2025 10:58:08 AM		
SubDirectory	BP080525	HP Acquire Method	BNA_P	HP Processing Method	bp080525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13169,10ul/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	BP025297.D	05 Aug 2025 11:21		CG/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP025298.D	05 Aug 2025 12:03		CG/JU	Ok
3	SSTDICC005	SSTDICC005	BP025299.D	05 Aug 2025 12:44		CG/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP025300.D	05 Aug 2025 13:25		CG/JU	Ok
5	SSTDICC020	SSTDICC020	BP025301.D	05 Aug 2025 14:06		CG/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP025302.D	05 Aug 2025 14:47	Compound #26,48,57 kept on LR & Compound #32,54,65 kept on QR	CG/JU	Ok,M
7	SSTDICC050	SSTDICC050	BP025303.D	05 Aug 2025 15:28		CG/JU	Ok,M
8	SSTDICC060	SSTDICC060	BP025304.D	05 Aug 2025 16:10		CG/JU	Ok
9	SSTDICC080	SSTDICC080	BP025305.D	05 Aug 2025 16:51		CG/JU	Ok,M
10	SSTDICV040	ICVBP080525	BP025306.D	05 Aug 2025 17:32		CG/JU	Ok,M
11	PB169079TB	PB169079TB	BP025307.D	05 Aug 2025 18:54		CG/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081225

Review By	Rahul	Review On	8/13/2025 11:12:01 AM		
Supervise By	Jagrut	Supervise On	8/13/2025 11:24:57 AM		
SubDirectory	BP081225	HP Acquire Method	BNA_P	HP Processing Method	bp080525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/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	BP025359.D	12 Aug 2025 09:26		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025360.D	12 Aug 2025 10:07		CG/JU	Ok,M
3	PB169176BL	PB169176BL	BP025361.D	12 Aug 2025 10:49		CG/JU	Ok
4	PB169176BS	PB169176BS	BP025362.D	12 Aug 2025 11:30		CG/JU	Ok,M
5	PB169180BL	PB169180BL	BP025363.D	12 Aug 2025 12:12		CG/JU	Ok
6	PB169180BS	PB169180BS	BP025364.D	12 Aug 2025 12:54		CG/JU	Ok,M
7	PB169162BL	PB169162BL	BP025365.D	12 Aug 2025 13:36		CG/JU	Ok
8	PB169162BS	PB169162BS	BP025366.D	12 Aug 2025 14:17		CG/JU	Ok,M
9	PB169162BSD	PB169162BSD	BP025367.D	12 Aug 2025 14:59		CG/JU	Ok,M
10	PB169149TB	PB169149TB	BP025368.D	12 Aug 2025 15:40		CG/JU	Ok
11	Q2798-01	TP-6	BP025369.D	12 Aug 2025 16:37		CG/JU	Ok
12	Q2808-01	TP-7	BP025370.D	12 Aug 2025 17:19		CG/JU	Ok,M
13	Q2818-01	B-2-5-1	BP025371.D	12 Aug 2025 18:00		CG/JU	Ok
14	Q2818-02	B-3-5-2	BP025372.D	12 Aug 2025 18:42		CG/JU	Ok
15	Q2827-01	TP-8	BP025373.D	12 Aug 2025 19:23		CG/JU	Ok,M
16	Q2827-05	TP-9	BP025374.D	12 Aug 2025 20:05	Need further 5X.	CG/JU	Dilution
17	Q2823-01	SU-04-081125	BP025375.D	12 Aug 2025 20:46		CG/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081325

Review By	Rahul	Review On	8/14/2025 10:15:11 AM		
Supervise By	Jagrut	Supervise On	8/14/2025 2:29:41 PM		
SubDirectory	BP081325	HP Acquire Method	BNA_P	HP Processing Method	bp080525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/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	BP025376.D	13 Aug 2025 09:10		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025377.D	13 Aug 2025 09:51		CG/JU	Ok,M
3	PB169210BL	PB169210BL	BP025378.D	13 Aug 2025 10:32		CG/JU	Ok
4	PB169210BS	PB169210BS	BP025379.D	13 Aug 2025 11:14	1,4-Dioxane recovery low for DOD	CG/JU	Not Ok
5	Q2820-02	82H-W	BP025380.D	13 Aug 2025 11:59		CG/JU	Ok
6	Q2820-05	518R-E	BP025381.D	13 Aug 2025 12:41		CG/JU	Ok,M
7	Q2820-06	518R-N	BP025382.D	13 Aug 2025 13:22		CG/JU	Ok,M
8	Q2820-08	518R-W	BP025383.D	13 Aug 2025 14:04		CG/JU	Ok
9	Q2820-09	705R-S	BP025384.D	13 Aug 2025 14:46		CG/JU	Ok
10	Q2820-04	SOIL-DUP-1	BP025385.D	13 Aug 2025 15:27		CG/JU	Ok
11	Q2820-01	82H-S	BP025386.D	13 Aug 2025 16:09	Surrogate Fail	CG/JU	ReRun
12	Q2820-03	82H-N	BP025387.D	13 Aug 2025 16:50		CG/JU	Ok
13	Q2820-07	518R-S	BP025388.D	13 Aug 2025 17:32	Surrogate Fail	CG/JU	ReRun
14	SSTDCCC040	SSTDCCC040EC	BP025389.D	13 Aug 2025 18:13		CG/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM		
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM		
SubDirectory	BP081425	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/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	BP025390.D	14 Aug 2025 10:30		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025391.D	14 Aug 2025 11:52	A Fresh Calibration is required.	CG/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BP025392.D	14 Aug 2025 12:33		CG/JU	Ok
4	SSTDICC005	SSTDICC005	BP025393.D	14 Aug 2025 13:15		CG/JU	Ok,M
5	SSTDICC010	SSTDICC010	BP025394.D	14 Aug 2025 13:56		CG/JU	Ok,M
6	SSTDICC020	SSTDICC020	BP025395.D	14 Aug 2025 14:38		CG/JU	Ok,M
7	SSTDICCC040	SSTDICCC040	BP025396.D	14 Aug 2025 15:19	Benzidine failed in the Calibration Method.	CG/JU	Ok,M
8	SSTDICC050	SSTDICC050	BP025397.D	14 Aug 2025 16:01		CG/JU	Ok,M
9	SSTDICC060	SSTDICC060	BP025398.D	14 Aug 2025 16:42		CG/JU	Ok
10	SSTDICC080	SSTDICC080	BP025399.D	14 Aug 2025 17:24		CG/JU	Ok,M
11	SSTDICV040	ICVBP081425	BP025400.D	14 Aug 2025 18:05		CG/JU	Ok,M
12	PB169200TB	PB169200TB	BP025401.D	14 Aug 2025 19:28		CG/JU	Ok
13	PB169210BS	PB169210BS	BP025402.D	14 Aug 2025 20:10		CG/JU	Ok,M
14	SSTDCCC040	SSTDCCC040EC	BP025403.D	14 Aug 2025 20:51		CG/JU	Ok,M
15	DFTPP	DFTPP	BP025404.D	14 Aug 2025 22:14		CG/JU	Ok
16	SSTDCCC040	SSTDCCC040	BP025405.D	14 Aug 2025 22:56		CG/JU	Ok,M
17	PB169228BL	PB169228BL	BP025406.D	14 Aug 2025 23:37		CG/JU	Ok

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM		
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM		
SubDirectory	BP081425	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	PB169228BS	PB169228BS	BP025407.D	15 Aug 2025 00:18		CG/JU	Ok,M
19	Q2820-10	SOIL-DUP-2	BP025408.D	15 Aug 2025 01:00		CG/JU	Ok
20	Q2820-11	10PC-W	BP025409.D	15 Aug 2025 01:41		CG/JU	Ok
21	Q2820-21	22M-N	BP025410.D	15 Aug 2025 02:22	Surrogate Fail	CG/JU	ReRun
22	Q2820-22	22M-W	BP025411.D	15 Aug 2025 03:03	Surrogate Fail	CG/JU	ReRun
23	Q2820-14	10P-E	BP025412.D	15 Aug 2025 03:45		CG/JU	Ok
24	Q2820-16	10P-N	BP025413.D	15 Aug 2025 04:26		CG/JU	Ok
25	Q2820-17	88H-E	BP025414.D	15 Aug 2025 05:07		CG/JU	Ok
26	Q2820-17MS	88H-EMS	BP025415.D	15 Aug 2025 05:48		CG/JU	Ok,M
27	Q2820-17MSD	88H-EMSD	BP025416.D	15 Aug 2025 06:29		CG/JU	Ok,M
28	Q2820-18	88H-N	BP025417.D	15 Aug 2025 07:10		CG/JU	Ok
29	Q2820-19	88H-W	BP025418.D	15 Aug 2025 07:51	Surrogate fail	CG/JU	ReRun
30	Q2820-20	88H-S	BP025419.D	15 Aug 2025 08:32	Surrogate Fail	CG/JU	ReRun
31	SSTDCCC040	SSTDCCC040EC	BP025420.D	15 Aug 2025 09:13		CG/JU	Ok,M

M : Manual Integration

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EXTRACTION LOGPAGE

PB169210

SOP ID:	M3541-ASE Extraction-15				
Clean Up SOP #:	N/A			**Extraction Start Date :**	08/12/2025
Matrix :	Solid			**Extraction Start Time :**	09:15
Weigh By:	RJ	**Extraction By:**	RJ	**Extraction End Date :**	08/12/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	13:15
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	RS
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	SP6849
Surrogate	1.0ML	100/150 PPM	SP6852
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	EP2626
Baked Na2SO4	N/A	EP2632
Sand	N/A	E3951
Methylene Chloride	N/A	E3954
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vail Lot # 2210443.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/12/25	RS (Ext-lab)	RC/SVOC
13:20	**Preparation Group**	**Analysis Group**

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EXTRACTION LOGPAGE

PrepBatch ID : PB169210

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 08/12/2025

Sample ID	Client Sample ID	Test	g mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169210BL	SBLK210	SVOC-TCL BNA -20	30.03	N/A	ritesh	RUPESH	1			U1-1
PB169210BS	SLCS210	SVOC-TCL BNA -20	30.02	N/A	ritesh	RUPESH	1			2
Q2818-01	B-2-5-1	SVOC-TCL BNA -20	30.04	N/A	ritesh	RUPESH	1	B		3
Q2818-02	B-3-5-2	SVOC-TCL BNA -20	30.09	N/A	ritesh	RUPESH	1	B		4
Q2820-01	82H-S	SVOC-TCL BNA -20	30.01	N/A	ritesh	RUPESH	1	E		5
Q2820-02	82H-W	SVOC-TCL BNA -20	30.05	N/A	ritesh	RUPESH	1	E		6
Q2820-03	82H-N	SVOC-TCL BNA -20	30.03	N/A	ritesh	RUPESH	1	E		U2-1
Q2820-04	SOIL-DUP-1	SVOC-TCL BNA -20	30.06	N/A	ritesh	RUPESH	1	E		2
Q2820-05	518R-E	SVOC-TCL BNA -20	30.09	N/A	ritesh	RUPESH	1	E		3
Q2820-06	518R-N	SVOC-TCL BNA -20	30.07	N/A	ritesh	RUPESH	1	E		4
Q2820-07	518R-S	SVOC-TCL BNA -20	30.04	N/A	ritesh	RUPESH	1	E		5
Q2820-08	518R-W	SVOC-TCL BNA -20	30.08	N/A	ritesh	RUPESH	1	E		6
Q2820-09	705R-S	SVOC-TCL BNA -20	30.02	N/A	ritesh	RUPESH	1	E		U3-1
Q2823-01	SU-04-081125	SVOC-TCL BNA -20	50.06	N/A	ritesh	RUPESH	1	E		2
Q2826-01	WC1	SVOCMS Group1	30.03	N/A	ritesh	RUPESH	1			3
Q2827-01	TP-8	SVOC-TCL BNA -20	50.05	N/A	ritesh	RUPESH	1	E		4
Q2827-05	TP-9	SVOC-TCL BNA -20	50.01	N/A	ritesh	RUPESH	1	E	Gasoline Smell	5
Q2830-01	BIN0009-DRIVEWAY-TP-SOUTH-EAST	SVOC-TCL BNA -20	50.04	N/A	ritesh	RUPESH	1	E		6
Q2830-03	BIN0009-DRIVEWAY-TP-WEST	SVOC-TCL BNA -20	50.09	N/A	ritesh	RUPESH	1	E		U6-1
Q2830-05	BIN0009-DRIVEWAY-TP-WESTSIDE	SVOC-TCL BNA -20	50.06	N/A	ritesh	RUPESH	1	E		2
Q2830-05MS	BIN0009-DRIVEWAY-TP-WESTSIDEMS	SVOC-TCL BNA -20	50.01	N/A	ritesh	RUPESH	1	E		3
Q2830-05MSD	BIN0009-DRIVEWAY-TP-WESTSIDEMSD	SVOC-TCL BNA -20	50.03	N/A	ritesh	RUPESH	1	E		4
Q2830-07	BIN0009-DRIVEWAY-TP-EASTSIDE	SVOC-TCL BNA -20	50.09	N/A	ritesh	RUPESH	1	E		5
Q2831-01	VNJ-238	SVOC-TCL BNA -20	50.07	N/A	ritesh	RUPESH	1	B		6

RS 8/12

*** Extracts relinquished on the same date as received.**

Q2818 9:15 8/12/10

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2826 **WorkList ID :** 191217 **Department :** Extraction **Date :** 08-12-2025 08:43:59

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2818-01	B-2-5-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	EARTH03		08/11/2025	8270E
Q2818-02	B-3-5-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	EARTH03		08/11/2025	8270E
Q2820-01	82H-S	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/06/2025	8270E
Q2820-02	82H-W	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/06/2025	8270E
Q2820-03	82H-N	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/06/2025	8270E
Q2820-04	SOIL-DUP-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/06/2025	8270E
Q2820-05	518R-E	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/07/2025	8270E
Q2820-06	518R-N	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/07/2025	8270E
Q2820-07	518R-S	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/07/2025	8270E
Q2820-08	518R-W	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/07/2025	8270E
Q2820-09	705R-S	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/07/2025	8270E
Q2823-01	SU-04-081125	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D31	08/11/2025	8270E
Q2826-01	WC1	Solid	SVOCMS Group1	Cool 4 deg C	GENV01	D31	08/11/2025	8270E
Q2827-01	TP-8	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	08/11/2025	8270E
Q2827-05	TP-9	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	08/11/2025	8270E
Q2830-01	BIN0009-DRIVEWAY-TP-SOUT	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	08/11/2025	8270E
Q2830-03	BIN0009-DRIVEWAY-TP-WEST	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	08/11/2025	8270E
Q2830-05	BIN0009-DRIVEWAY-TP-WEST	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	08/11/2025	8270E
Q2830-07	BIN0009-DRIVEWAY-TP-EAST	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	08/11/2025	8270E
Q2831-01	VNJ-238	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D21	08/11/2025	8270E

Date/Time 08/12/25 9:10
Raw Sample Received by: RJ (EA-Lab)
Raw Sample Relinquished by: CA

Date/Time 08/12/25 9:40
Raw Sample Received by: CA
Raw Sample Relinquished by: RJ (EA-Lab)

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LAB CHRONICLE

OrderID:	Q2818	**OrderDate:**	8/11/2025 11:57:00 AM
Client:	Earth Engineering Inc.	**Project:**	Reserve Turgyan Farms
Contact:	Frank Dougherty, LSRP	**Location:**	J21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2818-01	**B-2-5-1**	**SOIL**			**08/11/25**			**08/11/25**
			SVOC-TCL BNA -20	8270E		08/12/25	08/12/25	
Q2818-02	**B-3-5-2**	**SOIL**			**08/11/25**			**08/11/25**
			SVOC-TCL BNA -20	8270E		08/12/25	08/12/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2818 **Order ID:** Q2818

Client: Earth Engineering Inc. **Project ID:** Reserve Turgyan Farms

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B-2-5-1								
Q2818-01	B-2-5-1	SOIL	4,4-DDE	1.40	JP	0.16	1.90	ug/kg
Q2818-01	B-2-5-1	SOIL	4,4-DDD	0.43	JP	0.17	1.90	ug/kg
Q2818-01	B-2-5-1	SOIL	alpha-Chlordane	0.38	J	0.14	1.90	ug/kg
Q2818-01	B-2-5-1	SOIL	gamma-Chlordane	0.23	J	0.17	1.90	ug/kg
			Total Concentration:	**2.440**				
Client ID : B-3-5-2								
Q2818-02	B-3-5-2	SOIL	Dieldrin	4.60	P	0.16	1.90	ug/kg
Q2818-02	B-3-5-2	SOIL	4,4-DDE	1.60	JP	0.16	1.90	ug/kg
Q2818-02	B-3-5-2	SOIL	Methoxychlor	14.8	P	0.41	1.90	ug/kg
Q2818-02	B-3-5-2	SOIL	alpha-Chlordane	0.84	JP	0.13	1.90	ug/kg
			Total Concentration:	**21.840**				

SAMPLE DATA

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-2-5-1	SDG No.:	Q2818
Lab Sample ID:	Q2818-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.5 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
PD089867.D	1	08/12/25 08:16	08/12/25 17:00	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	1.90	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	1.90	ug/kg
319-86-8	delta-BHC	0.44	U	0.44	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	1.90	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	1.90	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	1.40	JP	0.16	1.90	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.43	JP	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	1.90	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	1.90	ug/kg
72-43-5	Methoxychlor	0.42	U	0.42	1.90	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.42	U	0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.38	J	0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.23	J	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	37.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.7		20 - 144	89%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.8		19 - 148	84%	SPK: 20

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-2-5-1	SDG No.:	Q2818
Lab Sample ID:	Q2818-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.5 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
PD089867.D	1	08/12/25 08:16	08/12/25 17:00	PB169206

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:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-3-5-2	SDG No.:	Q2818
Lab Sample ID:	Q2818-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	89.1 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
PD089868.D	1	08/12/25 08:16	08/12/25 17:14	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.44	U	0.44	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.90	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	4.60	P	0.16	1.90	ug/kg
72-55-9	4,4-DDE	1.60	JP	0.16	1.90	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	1.90	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	1.90	ug/kg
72-43-5	Methoxychlor	14.8	P	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.41	U	0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.84	JP	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.10	U	6.10	37.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.6		20 - 144	83%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		19 - 148	96%	SPK: 20

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-3-5-2	SDG No.:	Q2818
Lab Sample ID:	Q2818-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	89.1 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
PD089868.D	1	08/12/25 08:16	08/12/25 17:14	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

QC SUMMARY

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Surrogate Summary

SDG No.: Q2818

Client: Earth Engineering Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PD089685.D	PIBLK-PD089685.D	Decachlorobiphen	1	20	20.9	104		57	171
		Tetrachloro-m-xyl	1	20	19.6	98		61	148
		Decachlorobiphen	2	20	20.9	104		57	171
		Tetrachloro-m-xyl	2	20	20.4	102		61	148
I.BLK-PD089862.D	PIBLK-PD089862.D	Decachlorobiphen	1	20	20.3	101		57	171
		Tetrachloro-m-xyl	1	20	20.0	100		61	148
		Decachlorobiphen	2	20	23.5	117		57	171
		Tetrachloro-m-xyl	2	20	25.1	125		61	148
PB169206BL	PB169206BL	Decachlorobiphen	1	20	19.4	97		20	144
		Tetrachloro-m-xyl	1	20	18.8	94		19	148
		Decachlorobiphen	2	20	22.7	113		20	144
		Tetrachloro-m-xyl	2	20	24.0	120		19	148
PB169206BS	PB169206BS	Decachlorobiphen	1	20	19.0	95		20	144
		Tetrachloro-m-xyl	1	20	18.1	91		19	148
		Decachlorobiphen	2	20	22.3	112		20	144
		Tetrachloro-m-xyl	2	20	23.2	116		19	148
Q2818-01	B-2-5-1	Decachlorobiphen	1	20	12.7	64		20	144
		Tetrachloro-m-xyl	1	20	14.2	71		19	148
		Decachlorobiphen	2	20	17.7	89		20	144
		Tetrachloro-m-xyl	2	20	16.8	84		19	148
Q2818-02	B-3-5-2	Decachlorobiphen	1	20	14.5	72		20	144
		Tetrachloro-m-xyl	1	20	18.3	91		19	148
		Decachlorobiphen	2	20	16.6	83		20	144
		Tetrachloro-m-xyl	2	20	19.3	96		19	148
I.BLK-PD089875.D	PIBLK-PD089875.D	Decachlorobiphen	1	20	20.0	100		57	171
		Tetrachloro-m-xyl	1	20	20.0	100		61	148
		Decachlorobiphen	2	20	21.9	110		57	171
		Tetrachloro-m-xyl	2	20	25.0	125		61	148
I.BLK-PD089888.D	PIBLK-PD089888.D	Decachlorobiphen	1	20	19.4	97		57	171
		Tetrachloro-m-xyl	1	20	19.3	96		61	148
		Decachlorobiphen	2	20	23.5	117		57	171
		Tetrachloro-m-xyl	2	20	25.4	127		61	148
Q2819-14MS	17M-WMS	Decachlorobiphen	1	20	12.3	62		20	144
		Tetrachloro-m-xyl	1	20	17.3	86		19	148
		Decachlorobiphen	2	20	17.7	88		20	144
		Tetrachloro-m-xyl	2	20	21.3	107		19	148
Q2819-14MSD	17M-WMSD	Decachlorobiphen	1	20	12.2	61		20	144
		Tetrachloro-m-xyl	1	20	17.1	85		19	148
		Decachlorobiphen	2	20	17.9	89		20	144
		Tetrachloro-m-xyl	2	20	21.6	108		19	148
I.BLK-PD089901.D	PIBLK-PD089901.D	Decachlorobiphen	1	20	19.2	96		57	171

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Surrogate Summary

SDG No.: Q2818

Client: Earth Engineering Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PD089901.D	PIBLK-PD089901.D	Tetrachloro-m-xyl	1	20	19.2	96		61	148
		Decachlorobiphen	2	20	23.4	117		57	171
		Tetrachloro-m-xyl	2	20	24.5	123		61	148

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2818 **Analytical Method:** 8081B

Client: Earth Engineering Inc. **DataFile :** PD089894.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2819-14MS (Column 1)**	**Client Sample ID:**		**17M-WMS**								
	alpha-BHC	19.46	0	20.0	ug/kg	103				45	137	
	beta-BHC	19.46	0	19.1	ug/kg	98				50	136	
	delta-BHC	19.46	0	19.3	ug/kg	99				47	139	
	gamma-BHC (Lindane)	19.46	0	19.3	ug/kg	99				49	135	
	Heptachlor	19.46	0	19.2	ug/kg	99				47	136	
	Aldrin	19.46	0	14.7	ug/kg	76				45	136	
	Heptachlor epoxide	19.46	0	26.6	ug/kg	137	*			52	136	
	Endosulfan I	19.46	0	19.2	ug/kg	99				53	132	
	Dieldrin	19.46	0	20.3	ug/kg	104				56	136	
	4,4'-DDE	19.46	11.7	30.5	ug/kg	97				56	134	
	Endrin	19.46	0	16.9	ug/kg	87				57	140	
	Endosulfan II	19.46	0	21.8	ug/kg	112				53	134	
	4,4'-DDD	19.46	0	16.3	ug/kg	84				56	139	
	Endosulfan sulfate	19.46	0	20.3	ug/kg	104				55	136	
	4,4'-DDT	19.46	7.3	23.7	ug/kg	84				50	141	
	Methoxychlor	19.46	0	14.6	ug/kg	75				52	143	
	Endrin ketone	19.46	0	16.5	ug/kg	85				55	136	
	Endrin aldehyde	19.46	0	21.1	ug/kg	108				35	137	
	alpha-Chlordane	19.46	390	384	ug/kg	-31	*			54	133	
	gamma-Chlordane	19.46	328	327	ug/kg	-5	*			53	135	
Lab Sample ID:	**Q2819-14MS (Column 2)**	**Client Sample ID:**		**17M-WMS**								
	alpha-BHC	19.46	0	22.8	ug/kg	117				45	137	
	beta-BHC	19.46	0	22.8	ug/kg	117				50	136	
	delta-BHC	19.46	0	23.3	ug/kg	120				47	139	
	gamma-BHC (Lindane)	19.46	0	22.9	ug/kg	118				49	135	
	Heptachlor	19.46	0	22.0	ug/kg	113				47	136	
	Aldrin	19.46	0	25.9	ug/kg	133				45	136	
	Heptachlor epoxide	19.46	0	31.4	ug/kg	161	*			52	136	
	Endosulfan I	19.46	0	23.7	ug/kg	122				53	132	
	Dieldrin	19.46	0	24.7	ug/kg	127				56	136	
	4,4'-DDE	19.46	6.2	26.2	ug/kg	103				56	134	
	Endrin	19.46	0	34.4	ug/kg	177	*			57	140	
	Endosulfan II	19.46	0	100	ug/kg	514	*			53	134	
	4,4'-DDD	19.46	0	15.6	ug/kg	80				56	139	
	Endosulfan sulfate	19.46	0	21.3	ug/kg	109				55	136	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2818 **Analytical Method:** 8081B

Client: Earth Engineering Inc. **DataFile :** PD089894.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
4,4'-DDT	19.46	12.1	32.2	ug/kg	103				50	141	
Methoxychlor	19.46	0	19.2	ug/kg	99				52	143	
Endrin ketone	19.46	0	21.0	ug/kg	108				55	136	
Endrin aldehyde	19.46	0	22.9	ug/kg	118				35	137	
alpha-Chlordane	19.46	233	230	ug/kg	-15	*			54	133	
gamma-Chlordane	19.46	194	197	ug/kg	15	*			53	135	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2818 **Analytical Method:** 8081B

Client: Earth Engineering Inc. **DataFile :** PD089895.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2819-14MSD (Column 1)**	**Client Sample ID:**		**17M-WMSD**								
	alpha-BHC	19.44	0	19.9	ug/kg	102		1		45	137	20
	beta-BHC	19.44	0	19.0	ug/kg	98		0		50	136	20
	delta-BHC	19.44	0	19.5	ug/kg	100		1		47	139	20
	gamma-BHC (Lindane)	19.44	0	19.2	ug/kg	99		0		49	135	20
	Heptachlor	19.44	0	19.9	ug/kg	102		3		47	136	20
	Aldrin	19.44	0	24.7	ug/kg	127		50	*	45	136	20
	Heptachlor epoxide	19.44	0	28.8	ug/kg	148	*	8		52	136	20
	Endosulfan I	19.44	0	19.1	ug/kg	98		1		53	132	20
	Dieldrin	19.44	0	20.3	ug/kg	104		0		56	136	20
	4,4'-DDE	19.44	11.7	30.1	ug/kg	95		2		56	134	20
	Endrin	19.44	0	15.3	ug/kg	79		10		57	140	20
	Endosulfan II	19.44	0	21.7	ug/kg	112		0		53	134	20
	4,4'-DDD	19.44	0	16.8	ug/kg	86		2		56	139	20
	Endosulfan sulfate	19.44	0	20.4	ug/kg	105		1		55	136	20
	4,4'-DDT	19.44	7.3	24.7	ug/kg	90		7		50	141	20
	Methoxychlor	19.44	0	17.3	ug/kg	89		17		52	143	20
	Endrin ketone	19.44	0	17.0	ug/kg	87		2		55	136	20
	Endrin aldehyde	19.44	0	22.2	ug/kg	114		5		35	137	20
	alpha-Chlordane	19.44	390	383	ug/kg	-36	*	15		54	133	20
	gamma-Chlordane	19.44	328	325	ug/kg	-15	*	100	*	53	135	20
Lab Sample ID:	**Q2819-14MSD (Column 2)**	**Client Sample ID:**		**17M-WMSD**								
	alpha-BHC	19.44	0	22.7	ug/kg	117		0		45	137	20
	beta-BHC	19.44	0	22.8	ug/kg	117		0		50	136	20
	delta-BHC	19.44	0	23.5	ug/kg	121		1		47	139	20
	gamma-BHC (Lindane)	19.44	0	23.0	ug/kg	118		0		49	135	20
	Heptachlor	19.44	0	22.9	ug/kg	118		4		47	136	20
	Aldrin	19.44	0	25.7	ug/kg	132		1		45	136	20
	Heptachlor epoxide	19.44	0	31.2	ug/kg	160	*	1		52	136	20
	Endosulfan I	19.44	0	16.0	ug/kg	82		39	*	53	132	20
	Dieldrin	19.44	0	24.7	ug/kg	127		0		56	136	20
	4,4'-DDE	19.44	6.2	25.7	ug/kg	100		3		56	134	20
	Endrin	19.44	0	34.3	ug/kg	176	*	1		57	140	20
	Endosulfan II	19.44	0	101	ug/kg	520	*	1		53	134	20
	4,4'-DDD	19.44	0	24.0	ug/kg	123		42	*	56	139	20
	Endosulfan sulfate	19.44	0	21.8	ug/kg	112		3		55	136	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2818 **Analytical Method:** 8081B

Client: Earth Engineering Inc. **DataFile :** PD089895.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
4,4'-DDT	19.44	12.1	33.3	ug/kg	109		6		50	141	20
Methoxychlor	19.44	0	20.5	ug/kg	105		6		52	143	20
Endrin ketone	19.44	0	21.6	ug/kg	111		3		55	136	20
Endrin aldehyde	19.44	0	23.7	ug/kg	122		3		35	137	20
alpha-Chlordane	19.44	233	231	ug/kg	-10	*	40	*	54	133	20
gamma-Chlordane	19.44	194	195	ug/kg	5	*	100	*	53	135	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2818 **Analytical Method:** 8081B

Client: Earth Engineering Inc. **Datafile :** PD089866.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169206BS (Column 1)	alpha-BHC	16.65	15.8	ug/kg	95				84	123	
	beta-BHC	16.65	15.6	ug/kg	94				82	123	
	delta-BHC	16.65	16.1	ug/kg	97				83	126	
	gamma-BHC (Lindane)	16.65	15.7	ug/kg	94				83	125	
	Heptachlor	16.65	14.7	ug/kg	88				83	122	
	Aldrin	16.65	15.7	ug/kg	94				82	124	
	Heptachlor epoxide	16.65	15.4	ug/kg	92				83	120	
	Endosulfan I	16.65	15.4	ug/kg	92				81	124	
	Dieldrin	16.65	15.3	ug/kg	92				85	121	
	4,4'-DDE	16.65	15.5	ug/kg	93				81	123	
	Endrin	16.65	13.5	ug/kg	81				76	130	
	Endosulfan II	16.65	15.0	ug/kg	90				80	125	
	4,4'-DDD	16.65	16.1	ug/kg	97				80	131	
	Endosulfan sulfate	16.65	14.8	ug/kg	89				81	122	
	4,4'-DDT	16.65	13.0	ug/kg	78				70	129	
	Methoxychlor	16.65	12.5	ug/kg	75				60	119	
	Endrin ketone	16.65	15.3	ug/kg	92				77	132	
	Endrin aldehyde	16.65	16.4	ug/kg	98				79	124	
	alpha-Chlordane	16.65	15.4	ug/kg	92				84	120	
	gamma-Chlordane	16.65	15.5	ug/kg	93				83	122	
PB169206BS (Column 2)	alpha-BHC	16.65	18.7	ug/kg	112				84	123	
	beta-BHC	16.65	18.7	ug/kg	112				82	123	
	delta-BHC	16.65	18.9	ug/kg	114				83	126	
	gamma-BHC (Lindane)	16.65	18.7	ug/kg	112				83	125	
	Heptachlor	16.65	17.7	ug/kg	106				83	122	
	Aldrin	16.65	18.8	ug/kg	113				82	124	
	Heptachlor epoxide	16.65	18.6	ug/kg	112				83	120	
	Endosulfan I	16.65	18.7	ug/kg	112				81	124	
	Dieldrin	16.65	18.8	ug/kg	113				85	121	
	4,4'-DDE	16.65	18.9	ug/kg	114				81	123	
	Endrin	16.65	16.7	ug/kg	100				76	130	
	Endosulfan II	16.65	18.8	ug/kg	113				80	125	
	4,4'-DDD	16.65	20.1	ug/kg	121				80	131	
	Endosulfan sulfate	16.65	18.3	ug/kg	110				81	122	
	4,4'-DDT	16.65	16.9	ug/kg	102				70	129	
	Methoxychlor	16.65	16.2	ug/kg	97				60	119	
	Endrin ketone	16.65	19.5	ug/kg	117				77	132	
	Endrin aldehyde	16.65	20.3	ug/kg	122				79	124	
	alpha-Chlordane	16.65	18.9	ug/kg	114				84	120	
	gamma-Chlordane	16.65	18.9	ug/kg	114				83	122	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB169206BL

Lab Name: Alliance | Contract: EARTH03

Lab Code: ACE | SDG NO.: Q2818

Lab Sample ID: PB169206BL | Lab File ID: PD089865.D

Matrix: (soil/water) Solid | Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N | Date Extracted: 08/12/2025

Date Analyzed (1): 08/12/2025 | Date Analyzed (2): 08/12/2025

Time Analyzed (1): 16:33 | Time Analyzed (2): 16:33

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
PB169206BS	PB169206BS	PD089866.D	08/12/2025	08/12/2025
B-2-5-1	Q2818-01	PD089867.D	08/12/2025	08/12/2025
B-3-5-2	Q2818-02	PD089868.D	08/12/2025	08/12/2025
17M-WMS	Q2819-14MS	PD089894.D	08/14/2025	08/14/2025
17M-WMSD	Q2819-14MSD	PD089895.D	08/14/2025	08/14/2025

COMMENTS:

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	PB169206BL	SDG No.:	Q2818
Lab Sample ID:	PB169206BL	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
PD089865.D	1	08/12/25 08:16	08/12/25 16:33	PB169206

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	22.7		20 - 144	113%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.0		19 - 148	120%	SPK: 20

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	PB169206BL	SDG No.:	Q2818
Lab Sample ID:	PB169206BL	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
PD089865.D	1	08/12/25 08:16	08/12/25 16:33	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/31/25
Project:	Reserve Turgyan Farms	Date Received:	07/31/25
Client Sample ID:	PIBLK-PD089685.D	SDG No.:	Q2818
Lab Sample ID:	I.BLK-PD089685.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
PD089685.D	1		07/31/25	pd073125

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		57 - 171	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		61 - 148	102%	SPK: 20

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/31/25
Project:	Reserve Turgyan Farms	Date Received:	07/31/25
Client Sample ID:	PIBLK-PD089685.D	SDG No.:	Q2818
Lab Sample ID:	I.BLK-PD089685.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
PD089685.D	1		07/31/25	pd073125

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:	Earth Engineering Inc.	Date Collected:	08/12/25
Project:	Reserve Turgyan Farms	Date Received:	08/12/25
Client Sample ID:	PIBLK-PD089862.D	SDG No.:	Q2818
Lab Sample ID:	I.BLK-PD089862.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
PD089862.D	1		08/12/25	pd081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.5		57 - 171	117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.1		61 - 148	125%	SPK: 20

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/12/25
Project:	Reserve Turgyan Farms	Date Received:	08/12/25
Client Sample ID:	PIBLK-PD089862.D	SDG No.:	Q2818
Lab Sample ID:	I.BLK-PD089862.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
PD089862.D	1		08/12/25	pd081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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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:	Earth Engineering Inc.	Date Collected:	08/12/25
Project:	Reserve Turgyan Farms	Date Received:	08/12/25
Client Sample ID:	PIBLK-PD089875.D	SDG No.:	Q2818
Lab Sample ID:	I.BLK-PD089875.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
PD089875.D	1		08/12/25	pd081325

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	21.9		57 - 171	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.0		61 - 148	125%	SPK: 20

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/12/25
Project:	Reserve Turgyan Farms	Date Received:	08/12/25
Client Sample ID:	PIBLK-PD089875.D	SDG No.:	Q2818
Lab Sample ID:	I.BLK-PD089875.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
PD089875.D	1		08/12/25	pd081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/14/25
Project:	Reserve Turgyan Farms	Date Received:	08/14/25
Client Sample ID:	PIBLK-PD089888.D	SDG No.:	Q2818
Lab Sample ID:	I.BLK-PD089888.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
PD089888.D	1		08/14/25	PD081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.5		57 - 171	117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.4		61 - 148	127%	SPK: 20

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/14/25
Project:	Reserve Turgyan Farms	Date Received:	08/14/25
Client Sample ID:	PIBLK-PD089888.D	SDG No.:	Q2818
Lab Sample ID:	I.BLK-PD089888.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
PD089888.D	1		08/14/25	PD081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
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LOD = Limit of Detection
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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/14/25
Project:	Reserve Turgyan Farms	Date Received:	08/14/25
Client Sample ID:	PIBLK-PD089901.D	SDG No.:	Q2818
Lab Sample ID:	I.BLK-PD089901.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
PD089901.D	1		08/14/25	PD081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.4		57 - 171	117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.5		61 - 148	123%	SPK: 20

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/14/25
Project:	Reserve Turgyan Farms	Date Received:	08/14/25
Client Sample ID:	PIBLK-PD089901.D	SDG No.:	Q2818
Lab Sample ID:	I.BLK-PD089901.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
PD089901.D	1		08/14/25	PD081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	PB169206BS	SDG No.:	Q2818
Lab Sample ID:	PB169206BS	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
PD089866.D	1	08/12/25 08:16	08/12/25 16:47	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	18.7		0.13	1.70	ug/kg
319-85-7	beta-BHC	18.7		0.18	1.70	ug/kg
319-86-8	delta-BHC	18.9		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	18.7		0.14	1.70	ug/kg
76-44-8	Heptachlor	17.7		0.12	1.70	ug/kg
309-00-2	Aldrin	18.8		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	18.6		0.19	1.70	ug/kg
959-98-8	Endosulfan I	18.7		0.14	1.70	ug/kg
60-57-1	Dieldrin	18.8		0.14	1.70	ug/kg
72-55-9	4,4-DDE	18.9		0.14	1.70	ug/kg
72-20-8	Endrin	16.7		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	18.8		0.29	1.70	ug/kg
72-54-8	4,4-DDD	20.1		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	18.3		0.13	1.70	ug/kg
50-29-3	4,4-DDT	16.9		0.14	1.70	ug/kg
72-43-5	Methoxychlor	16.2		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	19.5		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	20.3		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	18.9		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	18.9		0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.3		20 - 144	112%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.2		19 - 148	116%	SPK: 20

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	PB169206BS	SDG No.:	Q2818
Lab Sample ID:	PB169206BS	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
PD089866.D	1	08/12/25 08:16	08/12/25 16:47	PB169206

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:	Earth Engineering Inc.	Date Collected:	08/05/25
Project:	Reserve Turgyan Farms	Date Received:	08/08/25
Client Sample ID:	17M-WMS	SDG No.:	Q2818
Lab Sample ID:	Q2819-14MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.6 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
PD089894.D	1	08/12/25 08:16	08/14/25 14:14	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	22.8		0.15	2.00	ug/kg
319-85-7	beta-BHC	22.8		0.21	2.00	ug/kg
319-86-8	delta-BHC	23.3		0.46	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	22.9		0.16	2.00	ug/kg
76-44-8	Heptachlor	22.0		0.14	2.00	ug/kg
309-00-2	Aldrin	25.9	P	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	31.4		0.22	2.00	ug/kg
959-98-8	Endosulfan I	23.7		0.16	2.00	ug/kg
60-57-1	Dieldrin	24.7		0.16	2.00	ug/kg
72-55-9	4,4-DDE	30.5		0.16	2.00	ug/kg
72-20-8	Endrin	34.4	P	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	100	EP	0.34	2.00	ug/kg
72-54-8	4,4-DDD	16.3		0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	21.3		0.15	2.00	ug/kg
50-29-3	4,4-DDT	32.2		0.16	2.00	ug/kg
72-43-5	Methoxychlor	19.2		0.43	2.00	ug/kg
53494-70-5	Endrin ketone	21.0		0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	22.9		0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	384	EP	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	327	EP	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.7		20 - 144	88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.3		19 - 148	107%	SPK: 20

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/05/25
Project:	Reserve Turgyan Farms	Date Received:	08/08/25
Client Sample ID:	17M-WMS	SDG No.:	Q2818
Lab Sample ID:	Q2819-14MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.6 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
PD089894.D	1	08/12/25 08:16	08/14/25 14:14	PB169206

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:	Earth Engineering Inc.	Date Collected:	08/05/25
Project:	Reserve Turgyan Farms	Date Received:	08/08/25
Client Sample ID:	17M-WMSD	SDG No.:	Q2818
Lab Sample ID:	Q2819-14MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.6 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089895.D	1	08/12/25 08:16	08/14/25 14:28	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	22.7		0.15	2.00	ug/kg
319-85-7	beta-BHC	22.8		0.21	2.00	ug/kg
319-86-8	delta-BHC	23.5		0.46	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	23.0		0.16	2.00	ug/kg
76-44-8	Heptachlor	22.9		0.14	2.00	ug/kg
309-00-2	Aldrin	25.7		0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	31.2		0.22	2.00	ug/kg
959-98-8	Endosulfan I	19.1		0.16	2.00	ug/kg
60-57-1	Dieldrin	24.7		0.16	2.00	ug/kg
72-55-9	4,4-DDE	30.1		0.16	2.00	ug/kg
72-20-8	Endrin	34.3	P	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	101	EP	0.34	2.00	ug/kg
72-54-8	4,4-DDD	24.0		0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	21.8		0.15	2.00	ug/kg
50-29-3	4,4-DDT	33.3		0.16	2.00	ug/kg
72-43-5	Methoxychlor	20.5		0.43	2.00	ug/kg
53494-70-5	Endrin ketone	21.6		0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	23.7		0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	383	EP	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	325	EP	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.9		20 - 144	89%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		19 - 148	108%	SPK: 20

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/05/25
Project:	Reserve Turgyan Farms	Date Received:	08/08/25
Client Sample ID:	17M-WMSD	SDG No.:	Q2818
Lab Sample ID:	Q2819-14MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.6 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089895.D	1	08/12/25 08:16	08/14/25 14:28	PB169206

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

CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: EARTH03
SDG NO.: Q2818
Calibration Date(s): 07/31/2025 07/31/2025
Calibration Times: 11:47 12:41

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PD089688.D RT 075 = PD089689.D
RT 050 = PD089690.D RT 025 = PD089691.D RT 005 = PD089692.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.70	6.70	6.70	6.70	6.70	6.70	6.60	6.80
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
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	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.52	4.51	4.51	4.52	4.51	4.51	4.41	4.61
Decachlorobiphenyl	9.07	9.07	9.07	9.07	9.07	9.07	8.97	9.17
delta-BHC	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Dieldrin	6.35	6.35	6.35	6.34	6.35	6.34	6.24	6.44
Endosulfan I	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.79	6.79	6.78	6.78	6.78	6.78	6.68	6.88
Endosulfan sulfate	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Endrin	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.91	6.91	6.91	6.91	6.91	6.91	6.81	7.01
Endrin ketone	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.95	5.95	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Heptachlor epoxide	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Methoxychlor	7.49	7.49	7.49	7.49	7.49	7.49	7.39	7.59
Tetrachloro-m-xylene	3.55	3.55	3.55	3.55	3.55	3.55	3.45	3.65

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: EARTH03
SDG NO.: Q2818
Calibration Date(s): 07/31/2025 07/31/2025
Calibration Times: 11:47 12:41

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PD089688.D RT 075 = PD089689.D
RT 050 = PD089690.D RT 025 = PD089691.D RT 005 = PD089692.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.93	5.93	5.93	5.93	5.93	5.93	5.83	6.03
4,4'-DDE	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
4,4'-DDT	6.18	6.18	6.18	6.18	6.18	6.18	6.08	6.28
Aldrin	4.37	4.37	4.37	4.37	4.37	4.36	4.26	4.46
alpha-BHC	3.39	3.39	3.39	3.39	3.39	3.39	3.29	3.49
alpha-Chlordane	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
beta-BHC	4.02	4.02	4.02	4.02	4.02	4.02	3.92	4.12
Decachlorobiphenyl	8.07	8.07	8.07	8.07	8.07	8.07	7.97	8.17
delta-BHC	4.26	4.26	4.26	4.26	4.26	4.26	4.16	4.36
Dieldrin	5.51	5.51	5.51	5.51	5.51	5.51	5.41	5.61
Endosulfan I	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
Endosulfan II	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Endosulfan sulfate	6.48	6.48	6.48	6.48	6.48	6.48	6.38	6.58
Endrin	5.79	5.79	5.79	5.79	5.79	5.79	5.69	5.89
Endrin aldehyde	6.26	6.26	6.26	6.26	6.26	6.26	6.16	6.36
Endrin ketone	6.99	6.99	6.99	6.99	6.99	6.99	6.89	7.09
gamma-BHC (Lindane)	3.73	3.73	3.73	3.73	3.73	3.73	3.63	3.83
gamma-Chlordane	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Heptachlor	4.08	4.08	4.08	4.08	4.08	4.08	3.98	4.18
Heptachlor epoxide	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Methoxychlor	6.75	6.75	6.75	6.75	6.75	6.75	6.65	6.85
Tetrachloro-m-xylene	2.88	2.88	2.88	2.88	2.88	2.88	2.78	2.98

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: EARTH03
SDG NO.: Q2818
Calibration Date(s): 07/31/2025 07/31/2025
Calibration Times: 11:47 12:41

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID: CF 100 = PD089688.D CF 075 = PD089689.D
CF 050 = PD089690.D CF 025 = PD089691.D CF 005 = PD089692.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3170910000	3047700000	2999940000	2847680000	2907880000	2994820000	4
4,4'-DDE	4003810000	3817790000	3749630000	3527790000	3549710000	3729750000	5
4,4'-DDT	3548070000	3416270000	3370890000	3205660000	3260320000	3360240000	4
Aldrin	4875360000	4656550000	4601860000	4327300000	4363460000	4564910000	5
alpha-BHC	5474360000	5189440000	5067890000	4637560000	4398360000	4953520000	9
alpha-Chlordane	4334230000	4190130000	4177460000	4048840000	4270160000	4204170000	3
beta-BHC	1835380000	1791880000	1823800000	1806620000	1965690000	1844680000	4
Decachlorobiphenyl	3483240000	3499950000	3619460000	3726220000	4252410000	3716260000	8
delta-BHC	5033280000	4775690000	4676790000	4294740000	4150530000	4586210000	8
Dieldrin	4482180000	4304270000	4237810000	4013690000	4079190000	4223430000	4
Endosulfan I	4087920000	3943210000	3940200000	3816940000	4029810000	3963620000	3
Endosulfan II	3707220000	3614470000	3602460000	3542670000	3880100000	3669380000	4
Endosulfan sulfate	3520460000	3426970000	3432480000	3357090000	3613300000	3470060000	3
Endrin	3787000000	3635450000	3585320000	3393750000	3487070000	3577720000	4
Endrin aldehyde	2531030000	2443470000	2469250000	2435500000	2598600000	2495570000	3
Endrin ketone	3804270000	3699670000	3700720000	3603310000	3762780000	3714150000	2
gamma-BHC (Lindane)	5133650000	4854210000	4821480000	4482000000	4470410000	4752350000	6
gamma-Chlordane	4371930000	4219760000	4166830000	3997030000	4139860000	4179080000	3
Heptachlor	5124730000	4899870000	4838360000	4560780000	4633880000	4811520000	5
Heptachlor epoxide	4345440000	4178710000	4148850000	3977860000	4252730000	4180720000	3
Methoxychlor	1771080000	1750920000	1777320000	1770160000	1870390000	1787970000	3
Tetrachloro-m-xylene	2500060000	2427080000	2456600000	2403480000	2545710000	2466590000	2

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: EARTH03
SDG NO.: Q2818
Calibration Date(s): 07/31/2025 07/31/2025
Calibration Times: 11:47 12:41

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: CF 100 = PD089688.D CF 075 = PD089689.D
CF 050 = PD089690.D CF 025 = PD089691.D CF 005 = PD089692.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	17134400000	16787300000	17354900000	17662200000	19224300000	17632600000	5
4,4'-DDE	20430900000	20064600000	20732800000	21183800000	23273600000	21137100000	6
4,4'-DDT	18425400000	17982900000	18452700000	18412200000	18590200000	18372700000	1
Aldrin	21657100000	21218800000	21871300000	22261000000	24245900000	22250800000	5
alpha-BHC	23880800000	23336000000	23972800000	24105300000	26229700000	24304900000	5
alpha-Chlordane	20016900000	19678400000	20310700000	20811200000	23292700000	20822000000	7
beta-BHC	9157870000	9041540000	9401640000	9704320000	10939600000	9648990000	8
Decachlorobiphenyl	19095200000	18752300000	19614700000	20093800000	22833900000	20078000000	8
delta-BHC	22211000000	21751500000	22337600000	22561500000	24713800000	22715100000	5
Dieldrin	20963500000	20551400000	21238000000	21609600000	23832300000	21639000000	6
Endosulfan I	18710200000	18457000000	19095000000	19631700000	21847700000	19548300000	7
Endosulfan II	18071500000	17758300000	18395200000	18826200000	20946400000	18799500000	7
Endosulfan sulfate	17842800000	17514800000	18136900000	18586800000	20746700000	18565600000	7
Endrin	18955800000	18701800000	19397300000	19737400000	22833500000	19925200000	8
Endrin aldehyde	12528800000	12224400000	12712900000	13003800000	14132200000	12920400000	6
Endrin ketone	19364800000	19023500000	19740000000	20178700000	22033800000	20068200000	6
gamma-BHC (Lindane)	22053600000	21570700000	22138000000	22412100000	24446000000	22524100000	5
gamma-Chlordane	20939400000	20491100000	21182700000	21653700000	23999700000	21653300000	6
Heptachlor	22407100000	22028400000	22731800000	23177700000	25700800000	23209200000	6
Heptachlor epoxide	19711600000	19404700000	20096200000	20688400000	22848400000	20549800000	7
Methoxychlor	9410250000	9296740000	9702690000	9950740000	10617100000	9795500000	5
Tetrachloro-m-xylene	15162800000	14913400000	15457700000	15824900000	17830500000	15837800000	7

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Instrument ID: ECD_D **Date(s) Analyzed:** 07/31/2025 07/31/2025

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	34887000
		2	6.44	6.34	6.54	46683300
		3	7.15	7.05	7.25	91652600
		4	7.56	7.46	7.66	120732000
		5	7.93	7.83	8.03	68165800

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Instrument ID: ECD_D **Date(s) Analyzed:** 07/31/2025 07/31/2025

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.47	5.37	5.57	159990000
		2	5.64	5.54	5.74	108562000
		3	6.75	6.65	6.85	519577000
		4	7.19	7.09	7.29	361556000
		5	7.32	7.22	7.42	254114000

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Continuing Calib Date: 08/12/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 16:05 **Initial Calibration Time(s):** 11:47 12:41

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	-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	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.78	6.68	6.88	-0.01
4,4'-DDD	6.71	6.70	6.60	6.80	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	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.91	6.81	7.01	0.00
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Continuing Calib Date: 08/12/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 16:05 **Initial Calibration Time(s):** 11:47 12:41

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.36	4.37	4.27	4.47	0.01
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.79	5.79	5.69	5.89	0.01
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.25	6.26	6.16	6.36	0.01
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL01 **Date Analyzed:** 08/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089864.D **Time Analyzed:** 16:05

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.705	6.604	6.804	49.600	50.000	-0.8
4,4'-DDE	6.196	6.094	6.294	46.960	50.000	-6.1
4,4'-DDT	7.022	6.919	7.119	41.600	50.000	-16.8
Aldrin	5.271	5.169	5.369	48.730	50.000	-2.5
alpha-BHC	4.000	3.897	4.097	50.030	50.000	0.1
alpha-Chlordane	6.027	5.925	6.125	47.320	50.000	-5.4
beta-BHC	4.518	4.414	4.614	49.650	50.000	-0.7
Decachlorobiphenyl	9.071	8.971	9.171	44.030	50.000	-11.9
delta-BHC	4.766	4.663	4.863	49.480	50.000	-1.0
Dieldrin	6.347	6.245	6.445	46.880	50.000	-6.2
Endosulfan I	6.075	5.972	6.172	46.970	50.000	-6.1
Endosulfan II	6.787	6.684	6.884	44.850	50.000	-10.3
Endosulfan sulfate	7.150	7.048	7.248	44.710	50.000	-10.6
Endrin	6.574	6.472	6.672	43.730	50.000	-12.5
Endrin aldehyde	6.915	6.813	7.013	47.460	50.000	-5.1
Endrin ketone	7.631	7.529	7.729	44.950	50.000	-10.1
gamma-BHC (Lindane)	4.331	4.228	4.428	49.460	50.000	-1.1
gamma-Chlordane	5.946	5.844	6.044	47.130	50.000	-5.7
Heptachlor	4.929	4.827	5.027	46.100	50.000	-7.8
Heptachlor epoxide	5.691	5.589	5.789	47.670	50.000	-4.7
Methoxychlor	7.494	7.392	7.592	42.100	50.000	-15.8
Tetrachloro-m-xylene	3.551	3.448	3.648	48.190	50.000	-3.6

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL01 **Date Analyzed:** 08/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089864.D **Time Analyzed:** 16:05

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.925	5.825	6.025	60.020	50.000	20.0
4,4'-DDE	5.370	5.271	5.471	58.070	50.000	16.1
4,4'-DDT	6.179	6.079	6.279	54.460	50.000	8.9
Aldrin	4.364	4.265	4.465	58.380	50.000	16.8
alpha-BHC	3.390	3.290	3.490	58.880	50.000	17.8
alpha-Chlordane	5.186	5.086	5.286	58.270	50.000	16.5
beta-BHC	4.022	3.922	4.122	57.910	50.000	15.8
Decachlorobiphenyl	8.067	7.968	8.168	51.900	50.000	3.8
delta-BHC	4.258	4.159	4.359	58.370	50.000	16.7
Dieldrin	5.508	5.409	5.609	58.000	50.000	16.0
Endosulfan I	5.242	5.143	5.343	55.090	50.000	10.2
Endosulfan II	6.076	5.977	6.177	57.090	50.000	14.2
Endosulfan sulfate	6.478	6.378	6.578	55.500	50.000	11.0
Endrin	5.785	5.685	5.885	57.160	50.000	14.3
Endrin aldehyde	6.254	6.155	6.355	59.290	50.000	18.6
Endrin ketone	6.987	6.888	7.088	56.720	50.000	13.4
gamma-BHC (Lindane)	3.726	3.626	3.826	58.430	50.000	16.9
gamma-Chlordane	5.121	5.022	5.222	58.570	50.000	17.1
Heptachlor	4.079	3.979	4.179	55.600	50.000	11.2
Heptachlor epoxide	4.868	4.769	4.969	57.290	50.000	14.6
Methoxychlor	6.749	6.650	6.850	54.590	50.000	9.2
Tetrachloro-m-xylene	2.878	2.778	2.978	57.670	50.000	15.3

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Continuing Calib Date: 08/12/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 20:12 **Initial Calibration Time(s):** 11:47 12:41

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.51	4.51	4.41	4.61	0.00
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.35	6.25	6.45	0.01
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.78	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	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	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.03	5.93	6.13	0.01
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Continuing Calib Date: 08/12/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 20:12 **Initial Calibration Time(s):** 11:47 12:41

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.01
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.79	5.69	5.89	0.01
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.92	5.93	5.83	6.03	0.01
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.25	6.26	6.16	6.36	0.01
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089876.D **Time Analyzed:** 20:12

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.702	6.604	6.804	50.520	50.000	1.0
4,4'-DDE	6.193	6.094	6.294	46.370	50.000	-7.3
4,4'-DDT	7.018	6.919	7.119	40.230	50.000	-19.5
Aldrin	5.267	5.169	5.369	48.670	50.000	-2.7
alpha-BHC	3.997	3.897	4.097	49.900	50.000	-0.2
alpha-Chlordane	6.024	5.925	6.125	47.010	50.000	-6.0
beta-BHC	4.514	4.414	4.614	49.300	50.000	-1.4
Decachlorobiphenyl	9.068	8.971	9.171	44.100	50.000	-11.8
delta-BHC	4.762	4.663	4.863	49.370	50.000	-1.3
Dieldrin	6.343	6.245	6.445	46.490	50.000	-7.0
Endosulfan I	6.071	5.972	6.172	46.730	50.000	-6.5
Endosulfan II	6.783	6.684	6.884	44.920	50.000	-10.2
Endosulfan sulfate	7.146	7.048	7.248	44.190	50.000	-11.6
Endrin	6.571	6.472	6.672	43.700	50.000	-12.6
Endrin aldehyde	6.912	6.813	7.013	47.080	50.000	-5.8
Endrin ketone	7.627	7.529	7.729	44.950	50.000	-10.1
gamma-BHC (Lindane)	4.328	4.228	4.428	49.560	50.000	-0.9
gamma-Chlordane	5.943	5.844	6.044	47.030	50.000	-5.9
Heptachlor	4.926	4.827	5.027	45.020	50.000	-10.0
Heptachlor epoxide	5.688	5.589	5.789	47.260	50.000	-5.5
Methoxychlor	7.490	7.392	7.592	40.620	50.000	-18.8
Tetrachloro-m-xylene	3.548	3.448	3.648	48.370	50.000	-3.3

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089876.D **Time Analyzed:** 20:12

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.923	5.825	6.025	59.900	50.000	19.8
4,4'-DDE	5.371	5.271	5.471	58.590	50.000	17.2
4,4'-DDT	6.179	6.079	6.279	53.240	50.000	6.5
Aldrin	4.365	4.265	4.465	59.160	50.000	18.3
alpha-BHC	3.390	3.290	3.490	59.200	50.000	18.4
alpha-Chlordane	5.186	5.086	5.286	58.830	50.000	17.7
beta-BHC	4.022	3.922	4.122	58.350	50.000	16.7
Decachlorobiphenyl	8.066	7.968	8.168	52.090	50.000	4.2
delta-BHC	4.258	4.159	4.359	59.170	50.000	18.3
Dieldrin	5.508	5.409	5.609	58.710	50.000	17.4
Endosulfan I	5.242	5.143	5.343	53.930	50.000	7.9
Endosulfan II	6.076	5.977	6.177	57.270	50.000	14.5
Endosulfan sulfate	6.478	6.378	6.578	55.470	50.000	10.9
Endrin	5.784	5.685	5.885	59.770	50.000	19.5
Endrin aldehyde	6.254	6.155	6.355	59.240	50.000	18.5
Endrin ketone	6.987	6.888	7.088	57.250	50.000	14.5
gamma-BHC (Lindane)	3.726	3.626	3.826	58.920	50.000	17.8
gamma-Chlordane	5.121	5.022	5.222	59.240	50.000	18.5
Heptachlor	4.079	3.979	4.179	55.250	50.000	10.5
Heptachlor epoxide	4.869	4.769	4.969	57.830	50.000	15.7
Methoxychlor	6.749	6.650	6.850	53.620	50.000	7.2
Tetrachloro-m-xylene	2.878	2.778	2.978	58.280	50.000	16.6

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Continuing Calib Date: 08/14/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 12:52 **Initial Calibration Time(s):** 11:47 12:41

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.08	9.07	8.97	9.17	-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	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.93	4.93	4.83	5.03	0.00
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	6.07	5.97	6.17	-0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.79	6.78	6.68	6.88	-0.01
4,4'-DDD	6.71	6.70	6.60	6.80	-0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.49	7.39	7.59	-0.01
Endrin ketone	7.64	7.63	7.53	7.73	-0.01
Endrin aldehyde	6.92	6.91	6.81	7.01	-0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Continuing Calib Date: 08/14/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 12:52 **Initial Calibration Time(s):** 11:47 12:41

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL03 **Date Analyzed:** 08/14/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089890.D **Time Analyzed:** 12:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.710	6.604	6.804	45.870	50.000	-8.3
4,4'-DDE	6.200	6.094	6.294	45.930	50.000	-8.1
4,4'-DDT	7.025	6.919	7.119	44.200	50.000	-11.6
Aldrin	5.275	5.169	5.369	47.440	50.000	-5.1
alpha-BHC	4.004	3.897	4.097	48.550	50.000	-2.9
alpha-Chlordane	6.031	5.925	6.125	46.310	50.000	-7.4
beta-BHC	4.521	4.414	4.614	48.360	50.000	-3.3
Decachlorobiphenyl	9.077	8.971	9.171	43.090	50.000	-13.8
delta-BHC	4.770	4.663	4.863	47.140	50.000	-5.7
Dieldrin	6.351	6.245	6.445	45.720	50.000	-8.6
Endosulfan I	6.078	5.972	6.172	46.010	50.000	-8.0
Endosulfan II	6.791	6.684	6.884	44.460	50.000	-11.1
Endosulfan sulfate	7.154	7.048	7.248	43.640	50.000	-12.7
Endrin	6.579	6.472	6.672	45.250	50.000	-9.5
Endrin aldehyde	6.920	6.813	7.013	45.640	50.000	-8.7
Endrin ketone	7.635	7.529	7.729	42.990	50.000	-14.0
gamma-BHC (Lindane)	4.335	4.228	4.428	48.560	50.000	-2.9
gamma-Chlordane	5.951	5.844	6.044	46.510	50.000	-7.0
Heptachlor	4.934	4.827	5.027	47.200	50.000	-5.6
Heptachlor epoxide	5.695	5.589	5.789	46.250	50.000	-7.5
Methoxychlor	7.498	7.392	7.592	42.190	50.000	-15.6
Tetrachloro-m-xylene	3.554	3.448	3.648	46.570	50.000	-6.9

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL03 **Date Analyzed:** 08/14/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089890.D **Time Analyzed:** 12:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.927	5.825	6.025	57.880	50.000	15.8
4,4'-DDE	5.372	5.271	5.471	57.690	50.000	15.4
4,4'-DDT	6.181	6.079	6.279	58.920	50.000	17.8
Aldrin	4.366	4.265	4.465	57.740	50.000	15.5
alpha-BHC	3.389	3.290	3.490	57.260	50.000	14.5
alpha-Chlordane	5.188	5.086	5.286	57.900	50.000	15.8
beta-BHC	4.023	3.922	4.122	57.220	50.000	14.4
Decachlorobiphenyl	8.069	7.968	8.168	51.950	50.000	3.9
delta-BHC	4.260	4.159	4.359	57.630	50.000	15.3
Dieldrin	5.510	5.409	5.609	57.580	50.000	15.2
Endosulfan I	5.245	5.143	5.343	55.390	50.000	10.8
Endosulfan II	6.078	5.977	6.177	57.080	50.000	14.2
Endosulfan sulfate	6.480	6.378	6.578	55.350	50.000	10.7
Endrin	5.787	5.685	5.885	57.760	50.000	15.5
Endrin aldehyde	6.257	6.155	6.355	57.910	50.000	15.8
Endrin ketone	6.990	6.888	7.088	54.610	50.000	9.2
gamma-BHC (Lindane)	3.727	3.626	3.826	57.600	50.000	15.2
gamma-Chlordane	5.123	5.022	5.222	58.030	50.000	16.1
Heptachlor	4.080	3.979	4.179	56.150	50.000	12.3
Heptachlor epoxide	4.870	4.769	4.969	56.940	50.000	13.9
Methoxychlor	6.751	6.650	6.850	55.400	50.000	10.8
Tetrachloro-m-xylene	2.878	2.778	2.978	56.960	50.000	13.9

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Continuing Calib Date: 08/14/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 17:10 **Initial Calibration Time(s):** 11:47 12:41

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.08	9.07	8.97	9.17	-0.01
Tetrachloro-m-xylene	3.56	3.55	3.45	3.65	-0.01
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.93	4.93	4.83	5.03	0.00
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	6.07	5.97	6.17	-0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.79	6.78	6.68	6.88	-0.01
4,4'-DDD	6.71	6.70	6.60	6.80	-0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.49	7.39	7.59	-0.01
Endrin ketone	7.64	7.63	7.53	7.73	-0.01
Endrin aldehyde	6.92	6.91	6.81	7.01	-0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Continuing Calib Date: 08/14/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 17:10 **Initial Calibration Time(s):** 11:47 12:41

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL04 **Date Analyzed:** 08/14/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089902.D **Time Analyzed:** 17:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.710	6.604	6.804	45.040	50.000	-9.9
4,4'-DDE	6.201	6.094	6.294	44.140	50.000	-11.7
4,4'-DDT	7.026	6.919	7.119	41.850	50.000	-16.3
Aldrin	5.275	5.169	5.369	46.210	50.000	-7.6
alpha-BHC	4.004	3.897	4.097	47.190	50.000	-5.6
alpha-Chlordane	6.032	5.925	6.125	44.850	50.000	-10.3
beta-BHC	4.521	4.414	4.614	46.820	50.000	-6.4
Decachlorobiphenyl	9.078	8.971	9.171	42.310	50.000	-15.4
delta-BHC	4.770	4.663	4.863	45.750	50.000	-8.5
Dieldrin	6.352	6.245	6.445	44.410	50.000	-11.2
Endosulfan I	6.079	5.972	6.172	44.650	50.000	-10.7
Endosulfan II	6.791	6.684	6.884	43.520	50.000	-13.0
Endosulfan sulfate	7.154	7.048	7.248	42.550	50.000	-14.9
Endrin	6.579	6.472	6.672	43.580	50.000	-12.8
Endrin aldehyde	6.920	6.813	7.013	45.250	50.000	-9.5
Endrin ketone	7.635	7.529	7.729	42.240	50.000	-15.5
gamma-BHC (Lindane)	4.335	4.228	4.428	47.290	50.000	-5.4
gamma-Chlordane	5.951	5.844	6.044	45.110	50.000	-9.8
Heptachlor	4.934	4.827	5.027	44.690	50.000	-10.6
Heptachlor epoxide	5.696	5.589	5.789	44.580	50.000	-10.8
Methoxychlor	7.498	7.392	7.592	43.710	50.000	-12.6
Tetrachloro-m-xylene	3.555	3.448	3.648	45.520	50.000	-9.0

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL04 **Date Analyzed:** 08/14/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089902.D **Time Analyzed:** 17:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.927	5.825	6.025	56.000	50.000	12.0
4,4'-DDE	5.373	5.271	5.471	55.390	50.000	10.8
4,4'-DDT	6.181	6.079	6.279	55.790	50.000	11.6
Aldrin	4.366	4.265	4.465	55.750	50.000	11.5
alpha-BHC	3.390	3.290	3.490	55.700	50.000	11.4
alpha-Chlordane	5.188	5.086	5.286	55.640	50.000	11.3
beta-BHC	4.024	3.922	4.122	55.080	50.000	10.2
Decachlorobiphenyl	8.069	7.968	8.168	52.410	50.000	4.8
delta-BHC	4.260	4.159	4.359	55.910	50.000	11.8
Dieldrin	5.511	5.409	5.609	55.620	50.000	11.2
Endosulfan I	5.245	5.143	5.343	52.780	50.000	5.6
Endosulfan II	6.078	5.977	6.177	55.270	50.000	10.5
Endosulfan sulfate	6.480	6.378	6.578	53.770	50.000	7.5
Endrin	5.787	5.685	5.885	58.840	50.000	17.7
Endrin aldehyde	6.257	6.155	6.355	57.190	50.000	14.4
Endrin ketone	6.990	6.888	7.088	54.760	50.000	9.5
gamma-BHC (Lindane)	3.727	3.626	3.826	55.660	50.000	11.3
gamma-Chlordane	5.123	5.022	5.222	55.820	50.000	11.6
Heptachlor	4.080	3.979	4.179	53.790	50.000	7.6
Heptachlor epoxide	4.870	4.769	4.969	54.770	50.000	9.5
Methoxychlor	6.752	6.650	6.850	57.290	50.000	14.6
Tetrachloro-m-xylene	2.878	2.778	2.978	55.070	50.000	10.1

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089686.D **Date Analyzed:** 07/31/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:47

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.070	8.970	9.170	21.540	20.000	7.7
Tetrachloro-m-xylene	3.548	3.500	3.600	20.670	20.000	3.4
alpha-BHC	3.997	3.950	4.050	9.820	10.000	-1.8
beta-BHC	4.514	4.460	4.560	10.760	10.000	7.6
gamma-BHC (Lindane)	4.328	4.280	4.380	10.080	10.000	0.8
Endrin	6.572	6.500	6.640	54.730	50.000	9.5
4,4'-DDT	7.020	6.950	7.090	108.560	100.000	8.6
Methoxychlor	7.491	7.420	7.560	258.930	250.000	3.6

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089686.D **Date Analyzed:** 07/31/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:47

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.068	7.970	8.170	22.080	20.000	10.4
Tetrachloro-m-xylene	2.878	2.830	2.930	21.990	20.000	10.0
alpha-BHC	3.390	3.340	3.440	11.660	10.000	16.6
beta-BHC	4.022	3.970	4.070	11.840	10.000	18.4
gamma-BHC (Lindane)	3.726	3.680	3.780	11.700	10.000	17.0
Endrin	5.785	5.710	5.860	54.470	50.000	8.9
4,4'-DDT	6.179	6.110	6.250	108.020	100.000	8.0
Methoxychlor	6.750	6.680	6.820	237.190	250.000	-5.1

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089863.D **Date Analyzed:** 08/12/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 15:35

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.068	8.970	9.170	17.650	20.000	-11.8
Tetrachloro-m-xylene	3.547	3.500	3.600	18.000	20.000	-10.0
alpha-BHC	3.996	3.950	4.050	8.560	10.000	-14.4
beta-BHC	4.513	4.460	4.560	9.760	10.000	-2.4
gamma-BHC (Lindane)	4.327	4.280	4.380	8.890	10.000	-11.1
Endrin	6.571	6.500	6.640	40.110	50.000	-19.8
4,4'-DDT	7.018	6.950	7.090	73.170	100.000	-26.8
Methoxychlor	7.490	7.420	7.560	169.820	250.000	-32.1

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089863.D **Date Analyzed:** 08/12/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 15:35

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.066	7.970	8.170	20.690	20.000	3.5
Tetrachloro-m-xylene	2.877	2.830	2.930	22.610	20.000	13.1
alpha-BHC	3.388	3.340	3.440	11.930	10.000	19.3
beta-BHC	4.022	3.970	4.070	12.380	10.000	23.8
gamma-BHC (Lindane)	3.726	3.680	3.780	12.080	10.000	20.8
Endrin	5.785	5.710	5.860	51.450	50.000	2.9
4,4'-DDT	6.178	6.110	6.250	96.150	100.000	-3.9
Methoxychlor	6.748	6.680	6.820	198.010	250.000	-20.8

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089889.D **Date Analyzed:** 08/14/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:19

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.070	8.970	9.170	17.540	20.000	-12.3
Tetrachloro-m-xylene	3.548	3.500	3.600	18.240	20.000	-8.8
alpha-BHC	3.997	3.950	4.050	8.750	10.000	-12.5
beta-BHC	4.515	4.460	4.570	9.960	10.000	-0.4
gamma-BHC (Lindane)	4.328	4.280	4.380	9.120	10.000	-8.8
Endrin	6.571	6.500	6.640	45.130	50.000	-9.7
4,4'-DDT	7.019	6.950	7.090	84.340	100.000	-15.7
Methoxychlor	7.491	7.420	7.560	194.610	250.000	-22.2

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089889.D **Date Analyzed:** 08/14/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:19

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.066	7.970	8.170	21.720	20.000	8.6
Tetrachloro-m-xylene	2.878	2.830	2.930	23.080	20.000	15.4
alpha-BHC	3.389	3.340	3.440	12.320	10.000	23.2
beta-BHC	4.022	3.970	4.070	12.430	10.000	24.3
gamma-BHC (Lindane)	3.726	3.680	3.780	12.470	10.000	24.7
Endrin	5.785	5.710	5.860	56.800	50.000	13.6
4,4'-DDT	6.178	6.110	6.250	110.160	100.000	10.2
Methoxychlor	6.749	6.680	6.820	219.220	250.000	-12.3

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Analytical Sequence

Client: Earth Engineering Inc. **SDG No.:** Q2818

Project: Reserve Turgyan Farms **Instrument ID:** ECD_D

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/31/2025 07/31/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	07/31/2025	10:33	PD089685.D	9.08	3.56
PEM	PEM	07/31/2025	10:47	PD089686.D	9.07	3.55
RESCHK	RESCHK	07/31/2025	11:34	PD089687.D	9.08	3.56
PSTDICC100	PSTDICC100	07/31/2025	11:47	PD089688.D	9.07	3.55
PSTDICC075	PSTDICC075	07/31/2025	12:01	PD089689.D	9.07	3.55
PSTDICC050	PSTDICC050	07/31/2025	12:14	PD089690.D	9.07	3.55
PSTDICC025	PSTDICC025	07/31/2025	12:28	PD089691.D	9.07	3.55
PSTDICC005	PSTDICC005	07/31/2025	12:41	PD089692.D	9.07	3.55
PCHLORICC500	PCHLORICC500	07/31/2025	13:23	PD089695.D	9.07	3.55
PTOXICC500	PTOXICC500	07/31/2025	14:31	PD089700.D	9.07	3.55
I.BLK	I.BLK	08/12/2025	15:22	PD089862.D	9.07	3.55
PEM	PEM	08/12/2025	15:35	PD089863.D	9.07	3.55
PSTDCCC050	PSTDCCC050	08/12/2025	16:05	PD089864.D	9.07	3.55
PB169206BL	PB169206BL	08/12/2025	16:33	PD089865.D	9.07	3.55
PB169206BS	PB169206BS	08/12/2025	16:47	PD089866.D	9.07	3.55
B-2-5-1	Q2818-01	08/12/2025	17:00	PD089867.D	9.07	3.55
B-3-5-2	Q2818-02	08/12/2025	17:14	PD089868.D	9.07	3.55
I.BLK	I.BLK	08/12/2025	18:50	PD089875.D	9.07	3.55
PSTDCCC050	PSTDCCC050	08/12/2025	20:12	PD089876.D	9.07	3.55
I.BLK	I.BLK	08/14/2025	12:05	PD089888.D	9.07	3.55
PEM	PEM	08/14/2025	12:19	PD089889.D	9.07	3.55
PSTDCCC050	PSTDCCC050	08/14/2025	12:52	PD089890.D	9.08	3.55
17M-WMS	Q2819-14MS	08/14/2025	14:14	PD089894.D	9.07	3.55
17M-WMSD	Q2819-14MSD	08/14/2025	14:28	PD089895.D	9.07	3.55
I.BLK	I.BLK	08/14/2025	15:50	PD089901.D	9.07	3.55
PSTDCCC050	PSTDCCC050	08/14/2025	17:10	PD089902.D	9.08	3.56

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Analytical Sequence

Client: Earth Engineering Inc. **SDG No.:** Q2818

Project: Reserve Turgyan Farms **Instrument ID:** ECD_D

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/31/2025 07/31/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	07/31/2025	10:33	PD089685.D	8.07	2.88
PEM	PEM	07/31/2025	10:47	PD089686.D	8.07	2.88
RESCHK	RESCHK	07/31/2025	11:34	PD089687.D	8.07	2.88
PSTDICC100	PSTDICC100	07/31/2025	11:47	PD089688.D	8.07	2.88
PSTDICC075	PSTDICC075	07/31/2025	12:01	PD089689.D	8.07	2.88
PSTDICC050	PSTDICC050	07/31/2025	12:14	PD089690.D	8.07	2.88
PSTDICC025	PSTDICC025	07/31/2025	12:28	PD089691.D	8.07	2.88
PSTDICC005	PSTDICC005	07/31/2025	12:41	PD089692.D	8.07	2.88
PCHLORICC500	PCHLORICC500	07/31/2025	13:23	PD089695.D	8.07	2.88
PTOXICC500	PTOXICC500	07/31/2025	14:31	PD089700.D	8.07	2.88
I.BLK	I.BLK	08/12/2025	15:22	PD089862.D	8.07	2.88
PEM	PEM	08/12/2025	15:35	PD089863.D	8.07	2.88
PSTDCCC050	PSTDCCC050	08/12/2025	16:05	PD089864.D	8.07	2.88
PB169206BL	PB169206BL	08/12/2025	16:33	PD089865.D	8.07	2.88
PB169206BS	PB169206BS	08/12/2025	16:47	PD089866.D	8.07	2.88
B-2-5-1	Q2818-01	08/12/2025	17:00	PD089867.D	8.06	2.88
B-3-5-2	Q2818-02	08/12/2025	17:14	PD089868.D	8.06	2.88
I.BLK	I.BLK	08/12/2025	18:50	PD089875.D	8.07	2.88
PSTDCCC050	PSTDCCC050	08/12/2025	20:12	PD089876.D	8.07	2.88
I.BLK	I.BLK	08/14/2025	12:05	PD089888.D	8.07	2.88
PEM	PEM	08/14/2025	12:19	PD089889.D	8.07	2.88
PSTDCCC050	PSTDCCC050	08/14/2025	12:52	PD089890.D	8.07	2.88
17M-WMS	Q2819-14MS	08/14/2025	14:14	PD089894.D	8.07	2.88
17M-WMSD	Q2819-14MSD	08/14/2025	14:28	PD089895.D	8.07	2.88
I.BLK	I.BLK	08/14/2025	15:50	PD089901.D	8.07	2.88
PSTDCCC050	PSTDCCC050	08/14/2025	17:10	PD089902.D	8.07	2.88

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

17M-WMS

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Lab Sample ID: Q2819-14MS **Date(s) Analyzed:** 08/14/2025 08/14/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.79	6.74	6.84	21.8	128.4
	2	6.08	6.03	6.13	100	
4,4'-DDD	1	6.70	6.65	6.75	16.3	4.4
	2	5.93	5.88	5.98	15.6	
4,4'-DDT	1	7.02	6.97	7.07	23.7	30.4
	2	6.18	6.13	6.23	32.2	
Endosulfan sulfate	1	7.15	7.10	7.20	20.3	4.8
	2	6.48	6.43	6.53	21.3	
alpha-BHC	1	4.00	3.95	4.05	20.0	13.1
	2	3.39	3.34	3.44	22.8	
Aldrin	1	5.26	5.21	5.31	14.7	55.2
	2	4.37	4.32	4.42	25.9	
beta-BHC	1	4.52	4.47	4.57	19.1	17.7
	2	4.02	3.97	4.07	22.8	
delta-BHC	1	4.76	4.71	4.81	19.3	18.8
	2	4.26	4.21	4.31	23.3	
Endosulfan I	1	6.07	6.02	6.12	19.2	21
	2	5.24	5.19	5.29	23.7	
alpha-Chlordane	1	6.03	5.98	6.08	384	50.2
	2	5.18	5.13	5.23	230	
4,4'-DDE	1	6.19	6.14	6.24	30.5	15.2
	2	5.37	5.32	5.42	26.2	
Dieldrin	1	6.35	6.30	6.40	20.3	19.6
	2	5.51	5.46	5.56	24.7	
Endrin aldehyde	1	6.91	6.86	6.96	21.1	8.2
	2	6.26	6.21	6.31	22.9	
Methoxychlor	1	7.49	7.44	7.54	14.6	27.2
	2	6.75	6.70	6.80	19.2	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

17M-WMS

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Lab Sample ID: Q2819-14MS **Date(s) Analyzed:** 08/14/2025 08/14/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.63	7.58	7.68	16.5	24
	2	6.99	6.94	7.04	21.0	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	19.3	17.1
	2	3.73	3.68	3.78	22.9	
Heptachlor	1	4.93	4.88	4.98	19.2	13.6
	2	4.08	4.03	4.13	22.0	
Heptachlor epoxide	1	5.68	5.63	5.73	26.6	16.6
	2	4.87	4.82	4.92	31.4	
gamma-Chlordane	1	5.94	5.89	5.99	327	49.6
	2	5.13	5.08	5.18	197	
Endrin	1	6.57	6.52	6.62	16.9	68.2
	2	5.79	5.74	5.84	34.4	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
17M-WMSD

Lab Name: Alliance
Contract: EARTH03
Lab Code: ACE
SDG NO.: Q2818
Lab Sample ID: Q2819-14MSD
Date(s) Analyzed: 08/14/2025 08/14/2025
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
Aldrin	1	5.26	5.21	5.31	24.7	4
	2	4.37	4.32	4.42	25.7	
beta-BHC	1	4.52	4.47	4.57	19.0	18.2
	2	4.02	3.97	4.07	22.8	
delta-BHC	1	4.76	4.71	4.81	19.5	18.6
	2	4.26	4.21	4.31	23.5	
Heptachlor epoxide	1	5.68	5.63	5.73	28.8	8
	2	4.87	4.82	4.92	31.2	
Endosulfan I	1	6.07	6.02	6.12	19.1	17.7
	2	5.24	5.19	5.29	16.0	
gamma-Chlordane	1	5.95	5.90	6.00	325	50
	2	5.13	5.08	5.18	195	
alpha-Chlordane	1	6.03	5.98	6.08	383	49.5
	2	5.18	5.13	5.23	231	
4,4'-DDE	1	6.19	6.14	6.24	30.1	15.8
	2	5.37	5.32	5.42	25.7	
Dieldrin	1	6.35	6.30	6.40	20.3	19.6
	2	5.51	5.46	5.56	24.7	
Endrin	1	6.57	6.52	6.62	15.3	76.6
	2	5.79	5.74	5.84	34.3	
Endosulfan II	1	6.79	6.74	6.84	21.7	129.3
	2	6.09	6.04	6.14	101	
4,4'-DDD	1	6.70	6.65	6.75	16.8	35.3
	2	5.92	5.87	5.97	24.0	
4,4'-DDT	1	7.02	6.97	7.07	24.7	29.7
	2	6.18	6.13	6.23	33.3	
Endrin aldehyde	1	6.91	6.86	6.96	22.2	6.5
	2	6.26	6.21	6.31	23.7	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

17M-WMSD

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Lab Sample ID: Q2819-14MSD **Date(s) Analyzed:** 08/14/2025 08/14/2025

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 sulfate	1	7.15	7.10	7.20	20.4	6.6
	2	6.48	6.43	6.53	21.8	
Methoxychlor	1	7.49	7.44	7.54	17.3	16.9
	2	6.75	6.70	6.80	20.5	
Endrin ketone	1	7.63	7.58	7.68	17.0	23.8
	2	6.99	6.94	7.04	21.6	
alpha-BHC	1	4.00	3.95	4.05	19.9	13.1
	2	3.39	3.34	3.44	22.7	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	19.2	18
	2	3.73	3.68	3.78	23.0	
Heptachlor	1	4.93	4.88	4.98	19.9	14
	2	4.08	4.03	4.13	22.9	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

B-2-5-1

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Lab Sample ID: Q2818-01 **Date(s) Analyzed:** 08/12/2025 08/12/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	0.43	54
	2	5.92	5.87	5.97	0.25	
gamma-Chlordane	1	5.94	5.89	5.99	0.23	25.9
	2	5.12	5.07	5.17	0.18	
alpha-Chlordane	1	6.03	5.98	6.08	0.31	22
	2	5.18	5.13	5.23	0.38	
4,4'-DDE	1	6.19	6.14	6.24	0.86	48.3
	2	5.37	5.32	5.42	1.40	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

B-3-5-2

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Lab Sample ID: Q2818-02 **Date(s) Analyzed:** 08/12/2025 08/12/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
alpha-Chlordane	1	6.03	5.98	6.08	0.47	55.3
	2	5.19	5.14	5.24	0.84	
4,4'-DDE	1	6.19	6.14	6.24	0.92	53.7
	2	5.37	5.32	5.42	1.60	
Methoxychlor	1	7.49	7.44	7.54	2.20	148.2
	2	6.75	6.70	6.80	14.8	
Dieldrin	1	6.34	6.29	6.39	1.40	106.7
	2	5.51	5.46	5.56	4.60	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169206BS

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Lab Sample ID: PB169206BS **Date(s) Analyzed:** 08/12/2025 08/12/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.70	6.65	6.75	16.1	22.1
	2	5.92	5.87	5.97	20.1	
4,4'-DDE	1	6.19	6.14	6.24	15.5	19.8
	2	5.37	5.32	5.42	18.9	
4,4'-DDT	1	7.02	6.97	7.07	13.0	26.1
	2	6.18	6.13	6.23	16.9	
alpha-BHC	1	4.00	3.95	4.05	15.8	16.8
	2	3.39	3.34	3.44	18.7	
Aldrin	1	5.27	5.22	5.32	15.7	18
	2	4.36	4.31	4.41	18.8	
alpha-Chlordane	1	6.02	5.97	6.07	15.4	20.4
	2	5.19	5.14	5.24	18.9	
Endosulfan II	1	6.78	6.73	6.83	15.0	22.5
	2	6.08	6.03	6.13	18.8	
Endosulfan sulfate	1	7.15	7.10	7.20	14.8	21.1
	2	6.48	6.43	6.53	18.3	
beta-BHC	1	4.51	4.46	4.56	15.6	18.1
	2	4.02	3.97	4.07	18.7	
delta-BHC	1	4.76	4.71	4.81	16.1	16
	2	4.26	4.21	4.31	18.9	
Endosulfan I	1	6.07	6.02	6.12	15.4	19.4
	2	5.24	5.19	5.29	18.7	
Dieldrin	1	6.34	6.29	6.39	15.3	20.5
	2	5.51	5.46	5.56	18.8	
Endrin aldehyde	1	6.91	6.86	6.96	16.4	21.3
	2	6.25	6.20	6.30	20.3	
Methoxychlor	1	7.49	7.44	7.54	12.5	25.8
	2	6.75	6.70	6.80	16.2	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169206BS

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Lab Sample ID: PB169206BS **Date(s) Analyzed:** 08/12/2025 08/12/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.63	7.58	7.68	15.3	24.1
	2	6.99	6.94	7.04	19.5	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	15.7	17.4
	2	3.73	3.68	3.78	18.7	
Heptachlor	1	4.93	4.88	4.98	14.7	18.5
	2	4.08	4.03	4.13	17.7	
Heptachlor epoxide	1	5.69	5.64	5.74	15.4	18.8
	2	4.87	4.82	4.92	18.6	
gamma-Chlordane	1	5.94	5.89	5.99	15.5	19.8
	2	5.12	5.07	5.17	18.9	
Endrin	1	6.57	6.52	6.62	13.5	21.2
	2	5.78	5.73	5.83	16.7	

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089867.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 17:00
Operator : AR\AJ
Sample : Q2818-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
B-2-5-1

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:13:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 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...	3.547	2.877	34960887	265.7E6	14.174	16.779m
28)	SA Decachlor...	9.068	8.064	47211610	355.9E6	12.704	17.725 #
	Target Compounds						
10)	B gamma-Chl...	5.941	5.119	2553393	10101683	0.611	0.467m
11)	B alpha-Chl...	6.026	5.184	3409569	20952622	0.811	1.006m
12)	B 4,4'-DDE	6.192	5.370	8400995	77381831	2.252	3.661 #
16)	A 4,4'-DDD	6.706	5.924	3389352	11431944	1.132	0.648 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

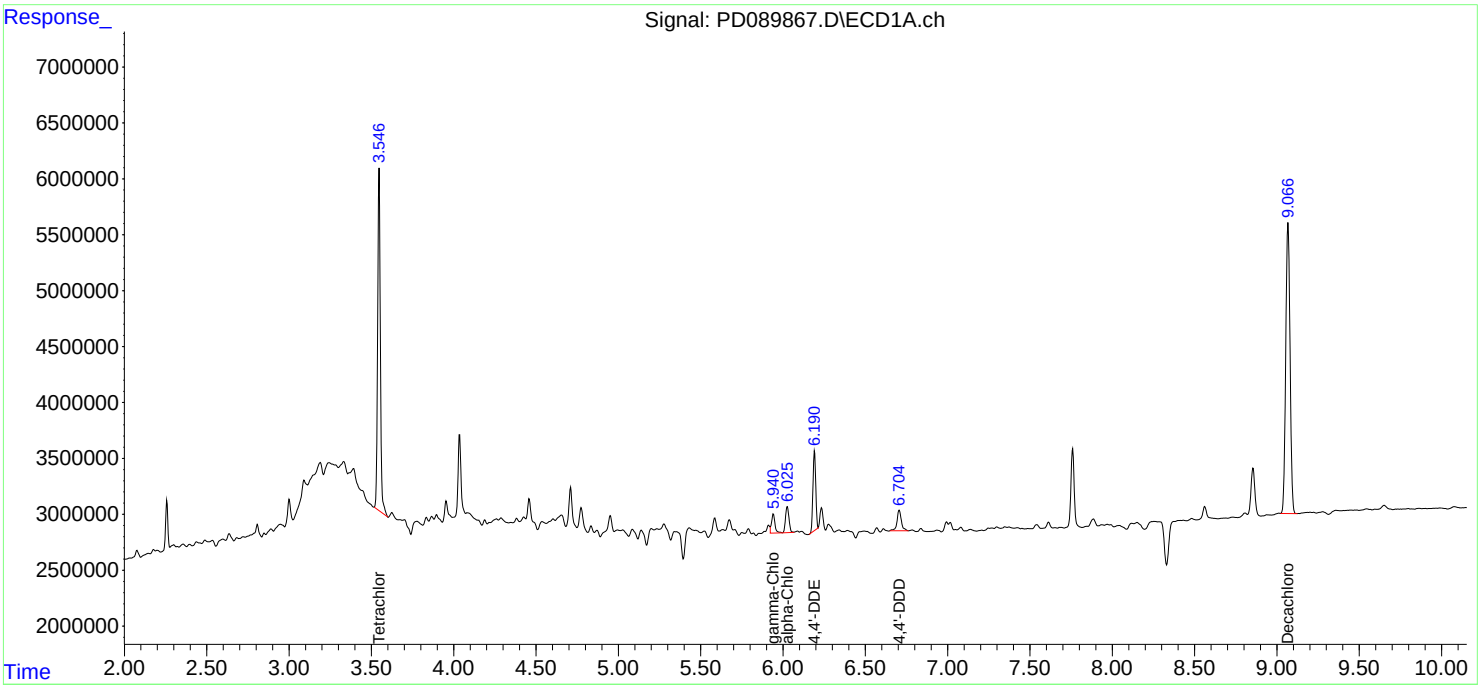
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089867.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 17:00
Operator : AR\AJ
Sample : Q2818-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

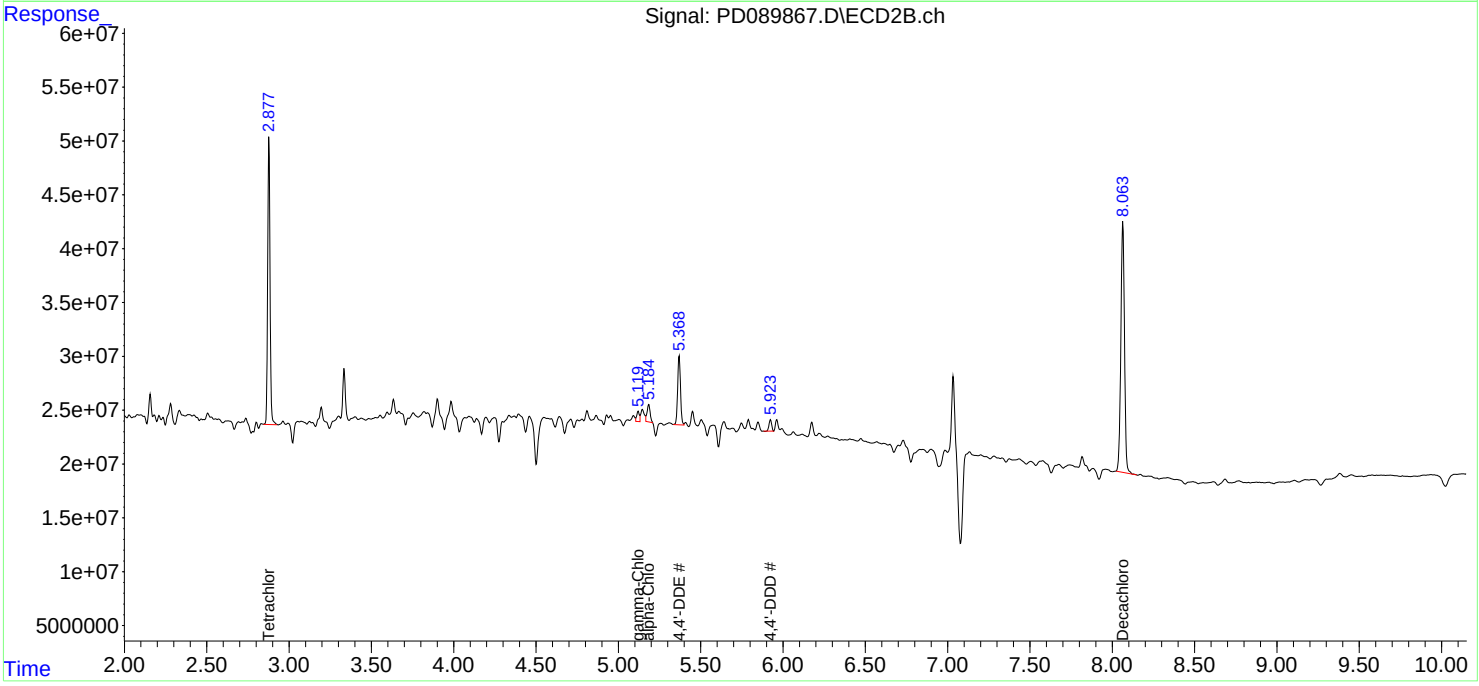
Instrument :
ECD_D
ClientSampleId :
B-2-5-1

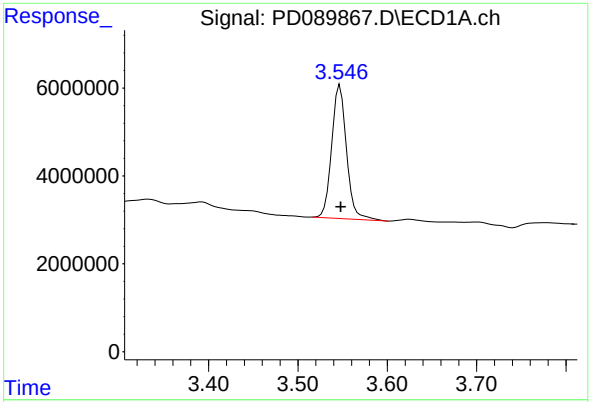
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:13:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 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







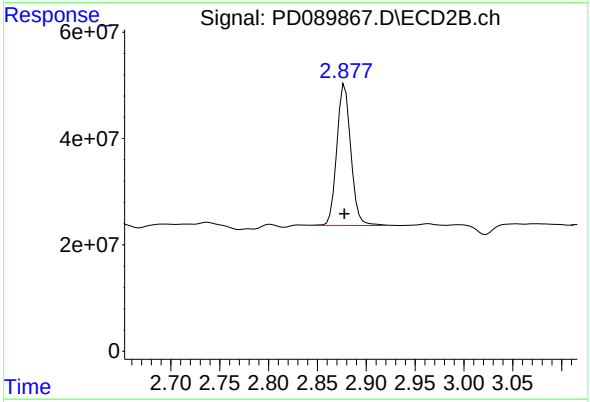
#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 34960887
Conc: 14.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-2-5-1

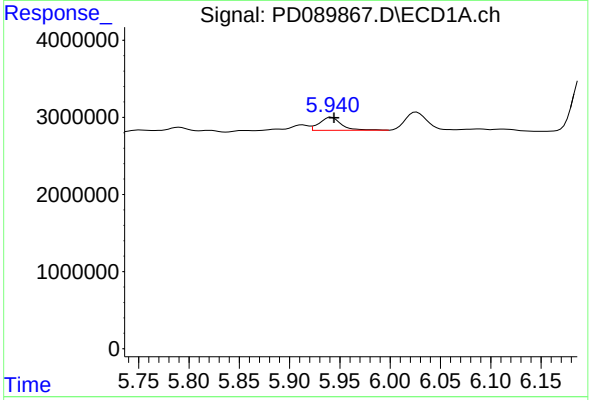
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



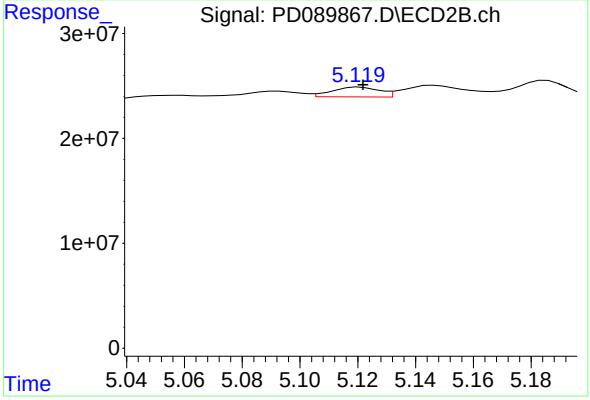
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 265738866
Conc: 16.78 ng/ml m



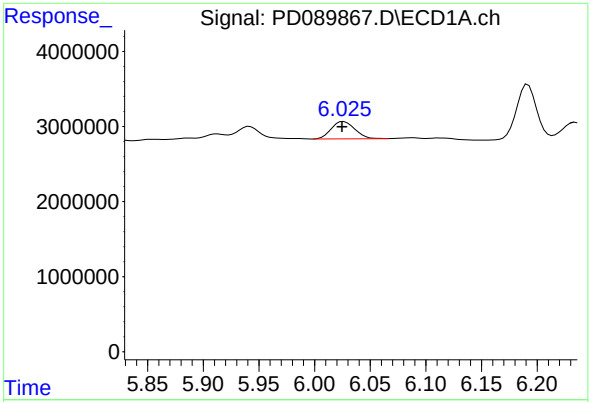
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: -0.003 min
Response: 2553393
Conc: 0.61 ng/ml



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: -0.003 min
Response: 10101683
Conc: 0.47 ng/ml m



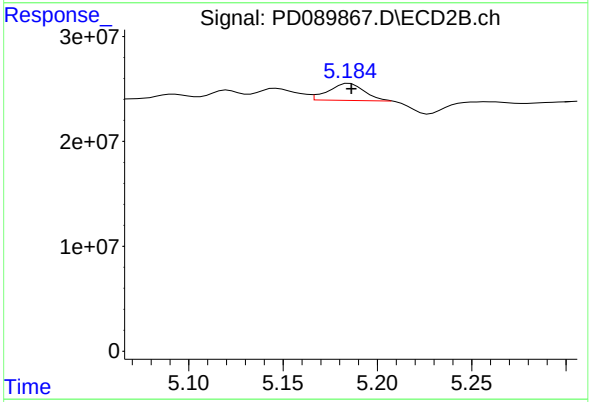
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: 0.001 min
Response: 3409569
Conc: 0.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-2-5-1

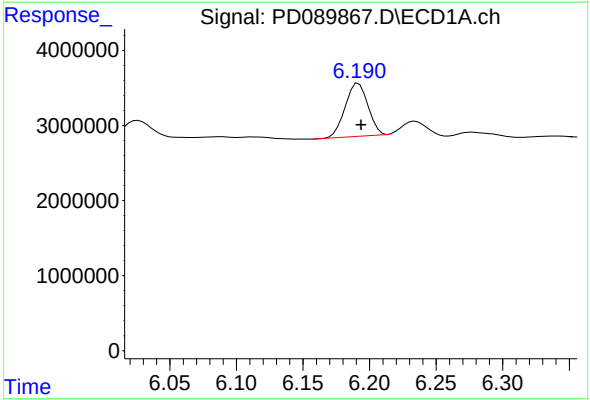
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



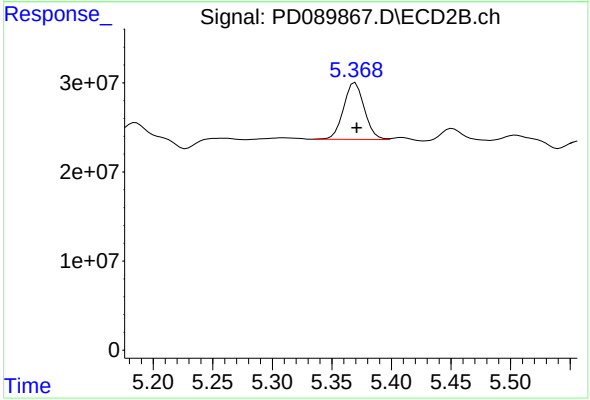
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.002 min
Response: 20952622
Conc: 1.01 ng/ml m



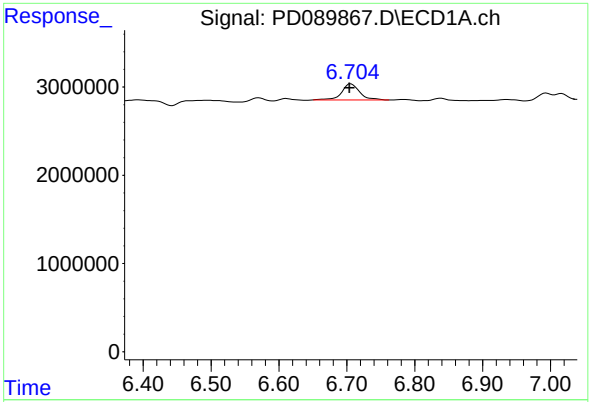
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.002 min
Response: 8400995
Conc: 2.25 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: -0.001 min
Response: 77381831
Conc: 3.66 ng/ml



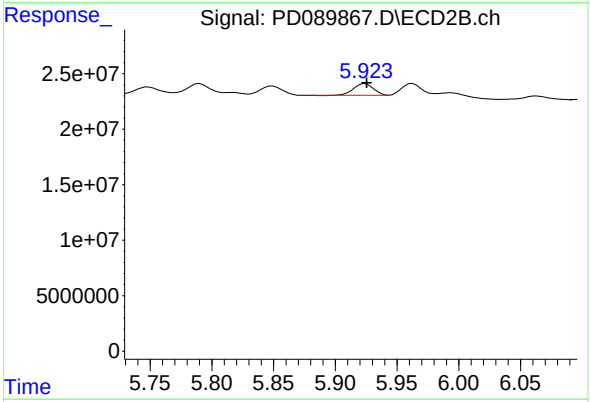
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.002 min
Response: 3389352
Conc: 1.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-2-5-1

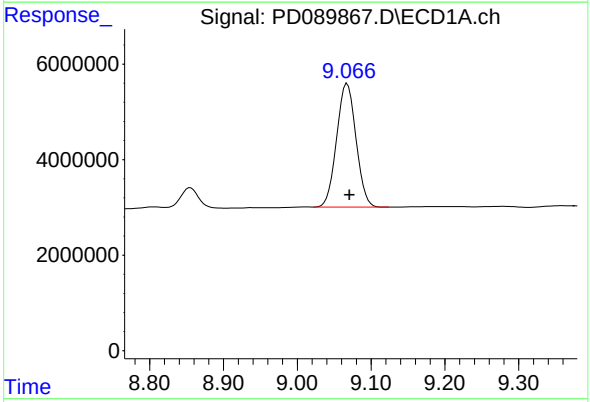
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



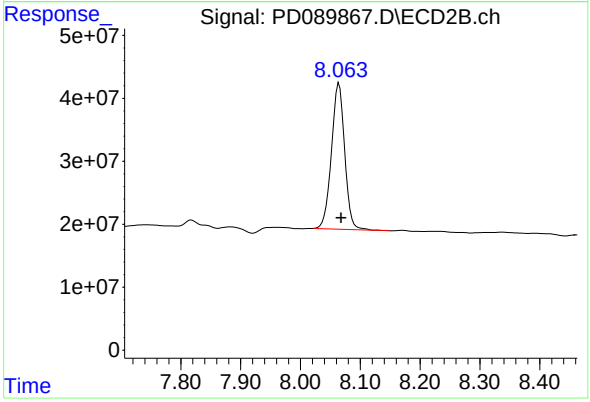
#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: -0.001 min
Response: 11431944
Conc: 0.65 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.003 min
Response: 47211610
Conc: 12.70 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.003 min
Response: 355885412
Conc: 17.73 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089868.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 17:14
Operator : AR\AJ
Sample : Q2818-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
B-3-5-2

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:13:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 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...	3.546	2.877	45045447	305.5E6	18.262m	19.287m
28)	SA Decachlor...	9.067	8.064	53752618	334.1E6	14.464m	16.642m
	Target Compounds						
11)	B alpha-Chl...	6.026	5.186	5334736	46611469	1.269m	2.239m#
12)	B 4,4'-DDE	6.189	5.367	9209407	88097582	2.469m	4.168m#
13)	MA Dieldrin	6.342	5.506	15931222	263.5E6	3.772m	12.179m#
20)	A Methoxychlor	7.485	6.745	10352706	388.2E6	5.790m	39.625m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

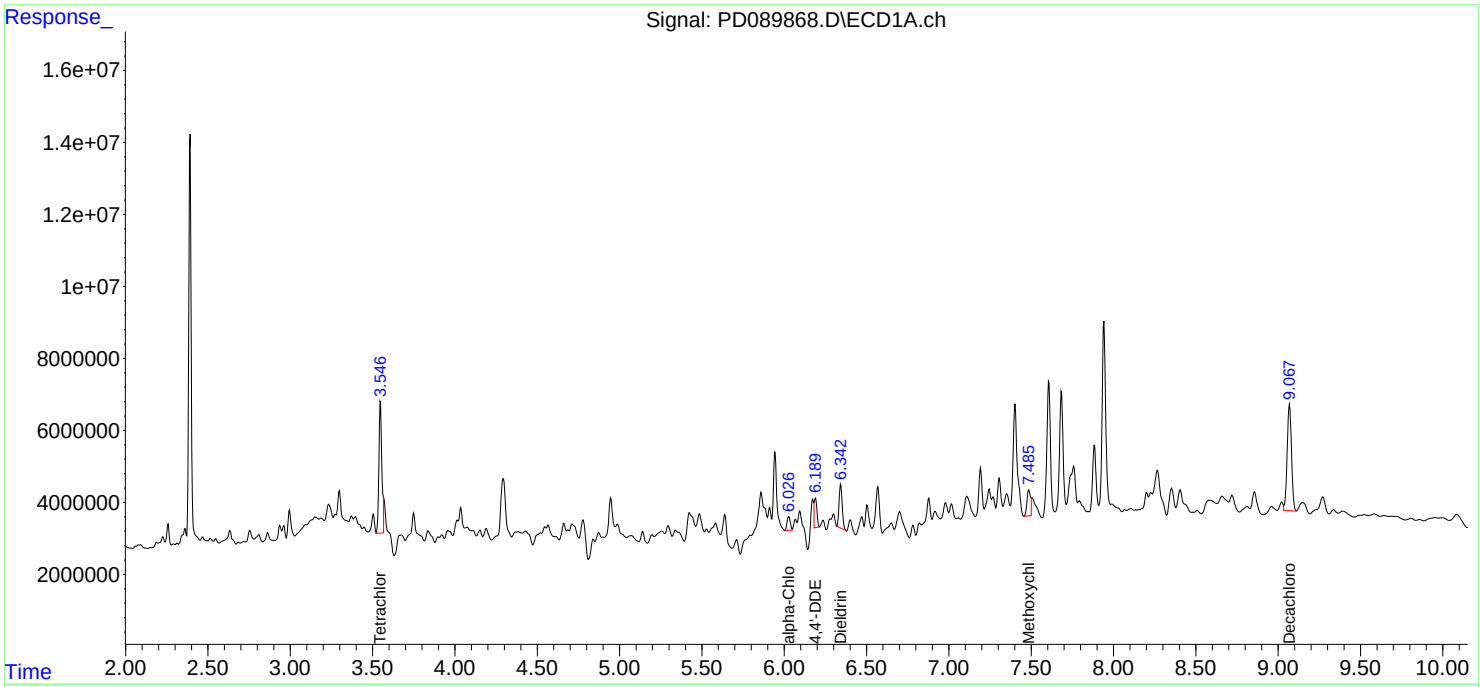
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089868.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 17:14
Operator : AR\AJ
Sample : Q2818-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

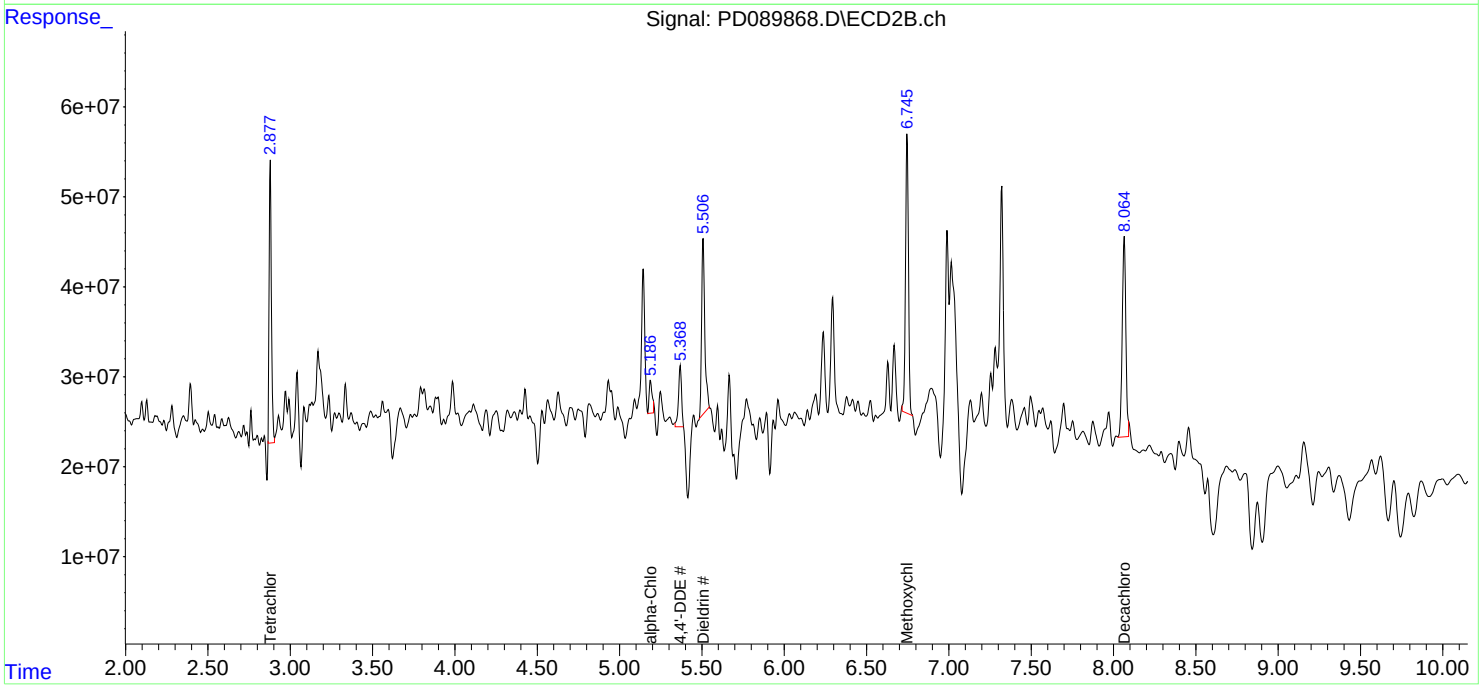
Instrument :
ECD_D
ClientSampleId :
B-3-5-2

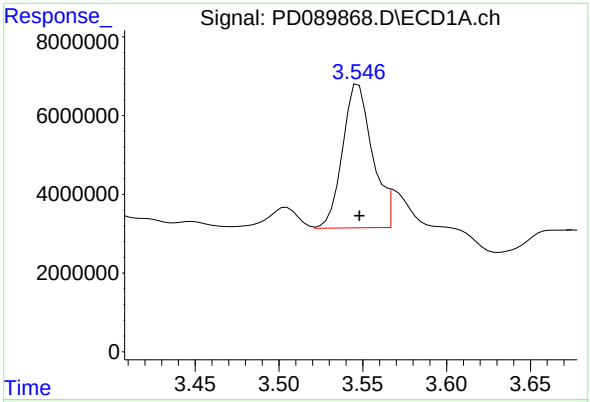
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:13:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 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







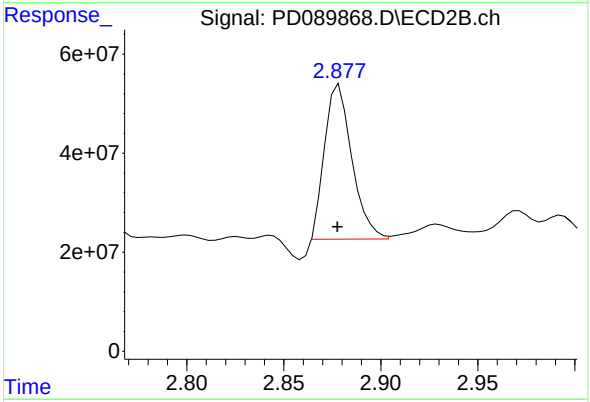
#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: -0.002 min
Response: 45045447
Conc: 18.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-3-5-2

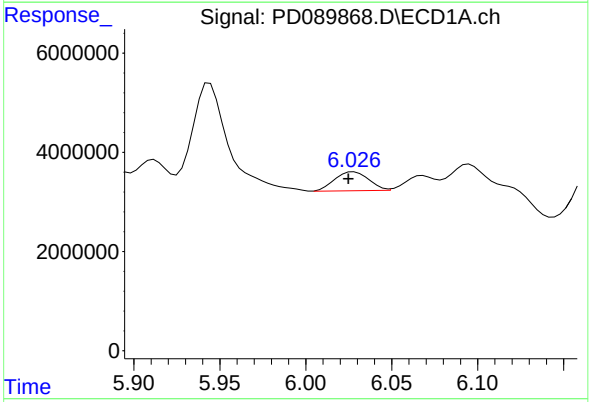
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



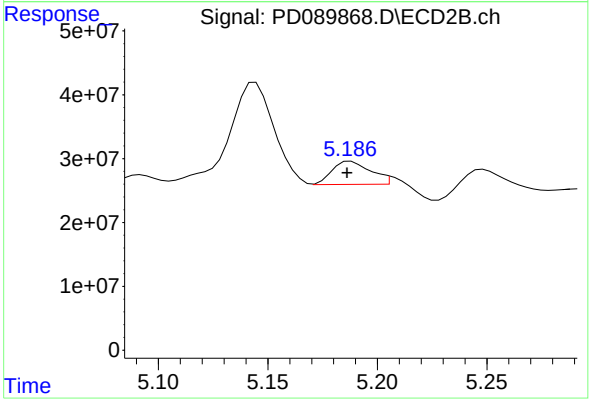
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 305467264
Conc: 19.29 ng/ml m



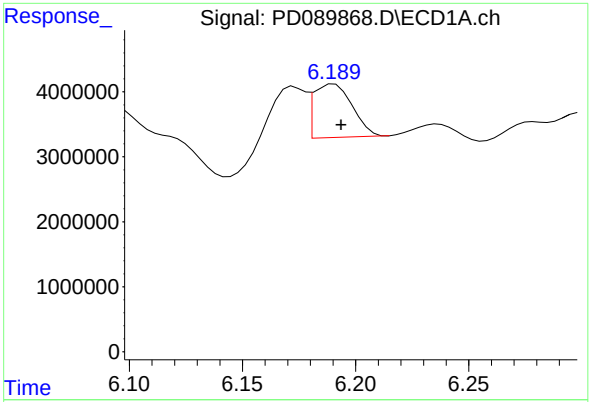
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: 0.002 min
Response: 5334736
Conc: 1.27 ng/ml m



#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 46611469
Conc: 2.24 ng/ml m



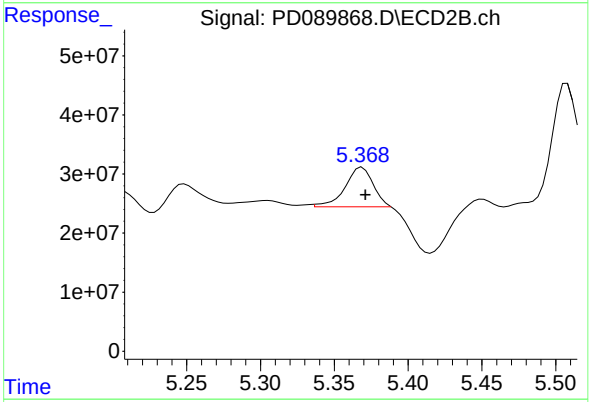
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.004 min
Response: 9209407
Conc: 2.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-3-5-2

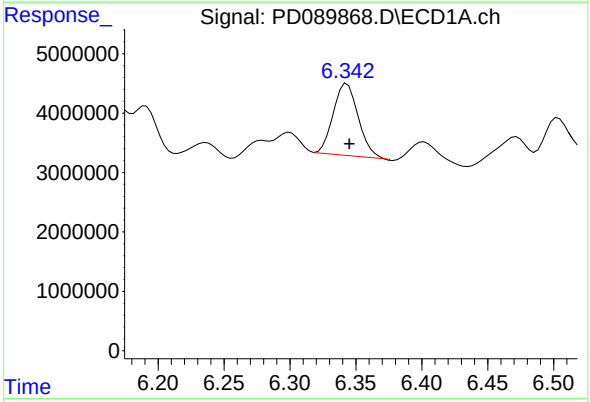
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



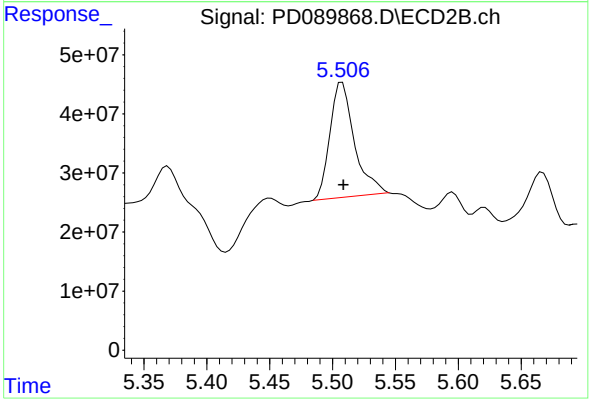
#12 4,4'-DDE

R.T.: 5.367 min
Delta R.T.: -0.003 min
Response: 88097582
Conc: 4.17 ng/ml m



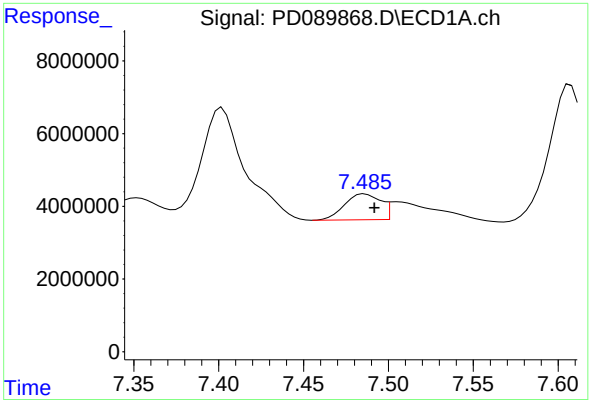
#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: -0.003 min
Response: 15931222
Conc: 3.77 ng/ml m



#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: -0.002 min
Response: 263540293
Conc: 12.18 ng/ml m



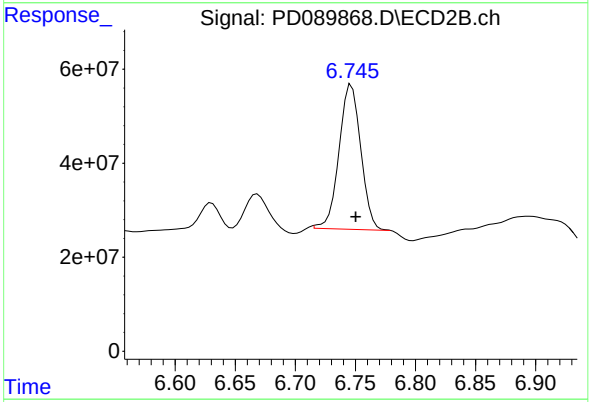
#20 Methoxychlor

R.T.: 7.485 min
Delta R.T.: -0.007 min
Response: 10352706
Conc: 5.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-3-5-2

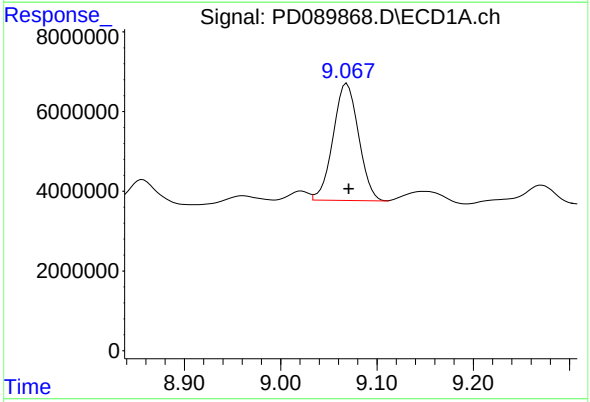
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



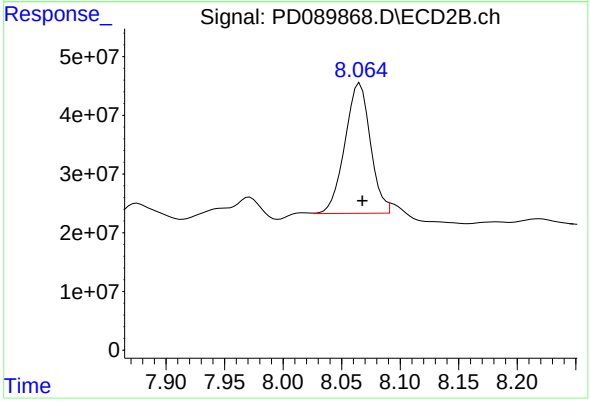
#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: -0.005 min
Response: 388151041
Conc: 39.63 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: -0.003 min
Response: 53752618
Conc: 14.46 ng/ml m



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.004 min
Response: 334136443
Conc: 16.64 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089865.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 16:33
Operator : AR\AJ
Sample : PB169206BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB169206BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:12:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 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...	3.547	2.878	46236397	379.5E6	18.745	23.962 #
28)	SA Decachlor...	9.068	8.065	71933652	455.6E6	19.356	22.693
	Target Compounds						

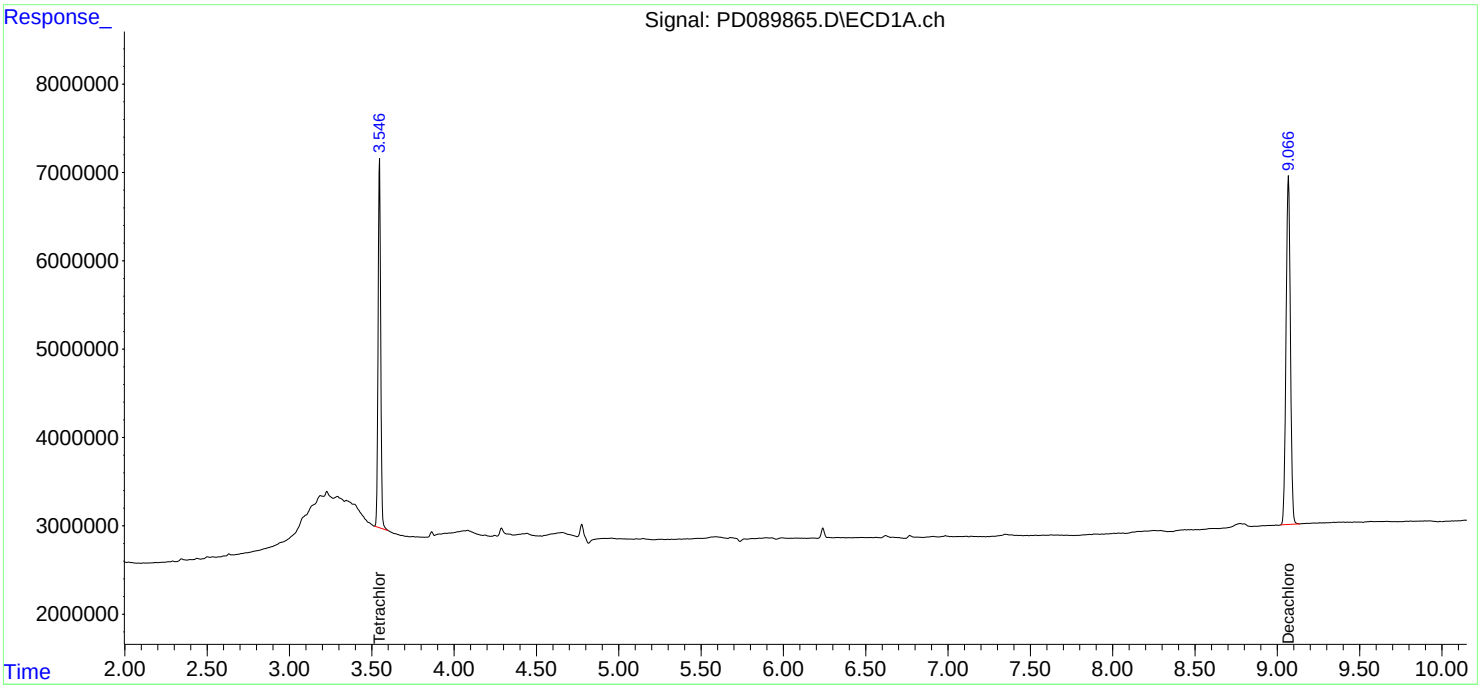
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

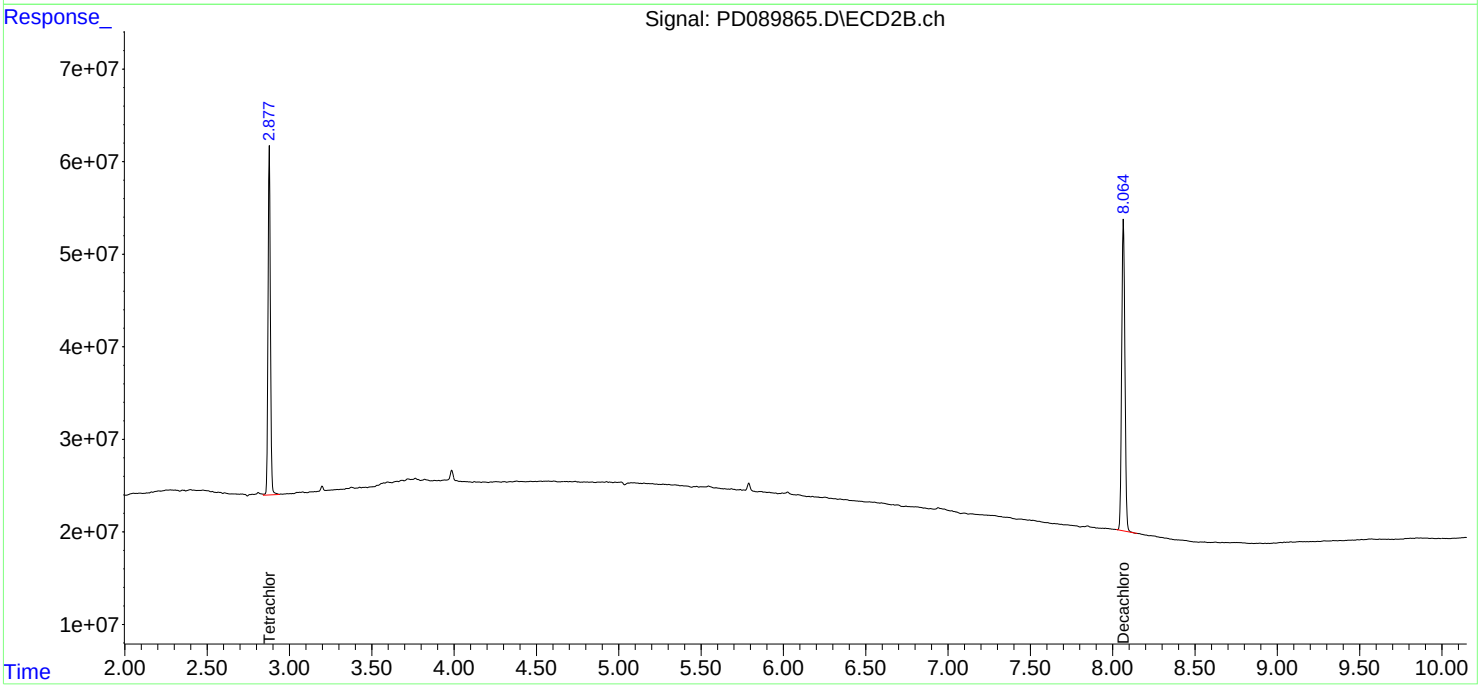
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089865.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 16:33
Operator : AR\AJ
Sample : PB169206BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

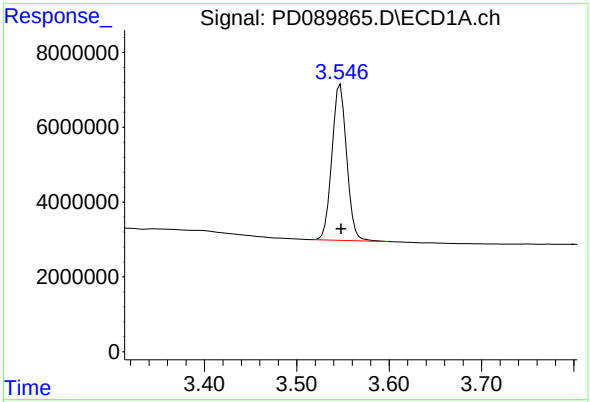
Instrument :
ECD_D
ClientSampleId :
PB169206BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:12:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 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



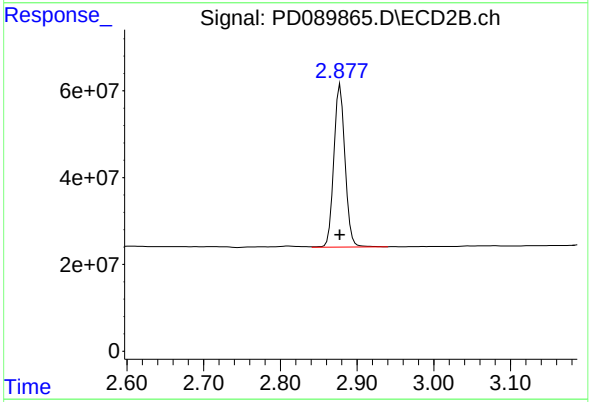




#1 Tetrachloro-m-xylene

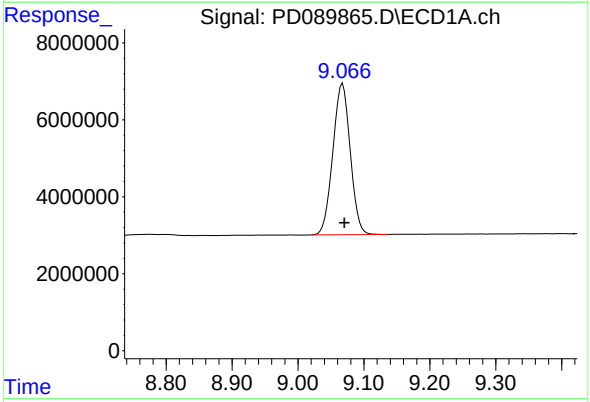
R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 46236397
Conc: 18.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169206BL



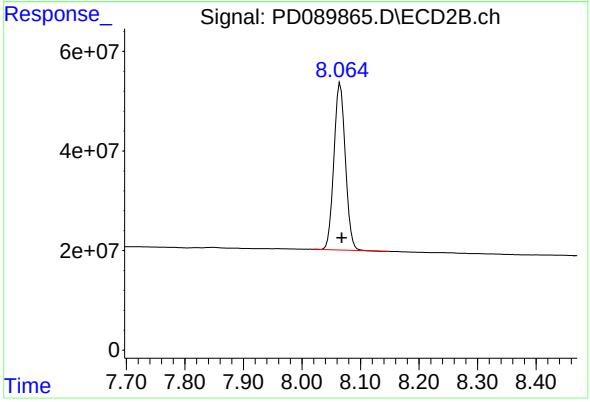
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 379502688
Conc: 23.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.003 min
Response: 71933652
Conc: 19.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: -0.002 min
Response: 455636513
Conc: 22.69 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089866.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 16:47
Operator : AR\AJ
Sample : PB169206BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB169206BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:12:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 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...	3.547	2.878	44644280	367.5E6	18.100	23.205 #
28)	SA Decachlor...	9.067	8.066	70500693	447.9E6	18.971	22.306
	Target Compounds						
2)	A alpha-BHC	3.997	3.389	235.5E6	1364.2E6	47.540	56.129
3)	MA gamma-BHC...	4.327	3.726	224.6E6	1267.4E6	47.266	56.267
4)	MA Heptachlor	4.926	4.078	211.7E6	1236.4E6	44.005	53.272
5)	MB Aldrin	5.267	4.364	214.7E6	1255.3E6	47.035	56.417
6)	B beta-BHC	4.513	4.022	86419412	542.3E6	46.848	56.200
7)	B delta-BHC	4.761	4.258	222.2E6	1290.5E6	48.444	56.814
8)	B Heptachlo...	5.687	4.868	193.1E6	1149.2E6	46.198	55.922
9)	A Endosulfan I	6.071	5.242	182.9E6	1097.5E6	46.141	56.144
10)	B gamma-Chl...	5.942	5.120	194.5E6	1231.7E6	46.548	56.881
11)	B alpha-Chl...	6.023	5.185	194.3E6	1181.7E6	46.212	56.751
12)	B 4,4'-DDE	6.192	5.370	173.1E6	1197.6E6	46.401	56.659
13)	MA Dieldrin	6.343	5.508	194.2E6	1223.7E6	45.993	56.553
14)	MA Endrin	6.570	5.784	144.6E6	996.9E6	40.422	50.030
15)	B Endosulfa...	6.783	6.075	165.2E6	1061.1E6	45.033	56.441 #
16)	A 4,4'-DDD	6.702	5.924	144.4E6	1065.2E6	48.221	60.412 #
17)	MA 4,4'-DDT	7.018	6.177	131.3E6	930.2E6	39.085	50.628 #
18)	B Endrin al...	6.912	6.254	123.1E6	789.4E6	49.321	61.099
19)	B Endosulfa...	7.146	6.477	154.5E6	1020.0E6	44.511	54.939
20)	A Methoxychlor	7.490	6.749	67235413	477.6E6	37.604	48.760 #
21)	B Endrin ke...	7.627	6.986	170.4E6	1177.8E6	45.889	58.689 #
22)	Mirex	8.109	7.179	120.2E6	842.1E6	43.115	55.327 #

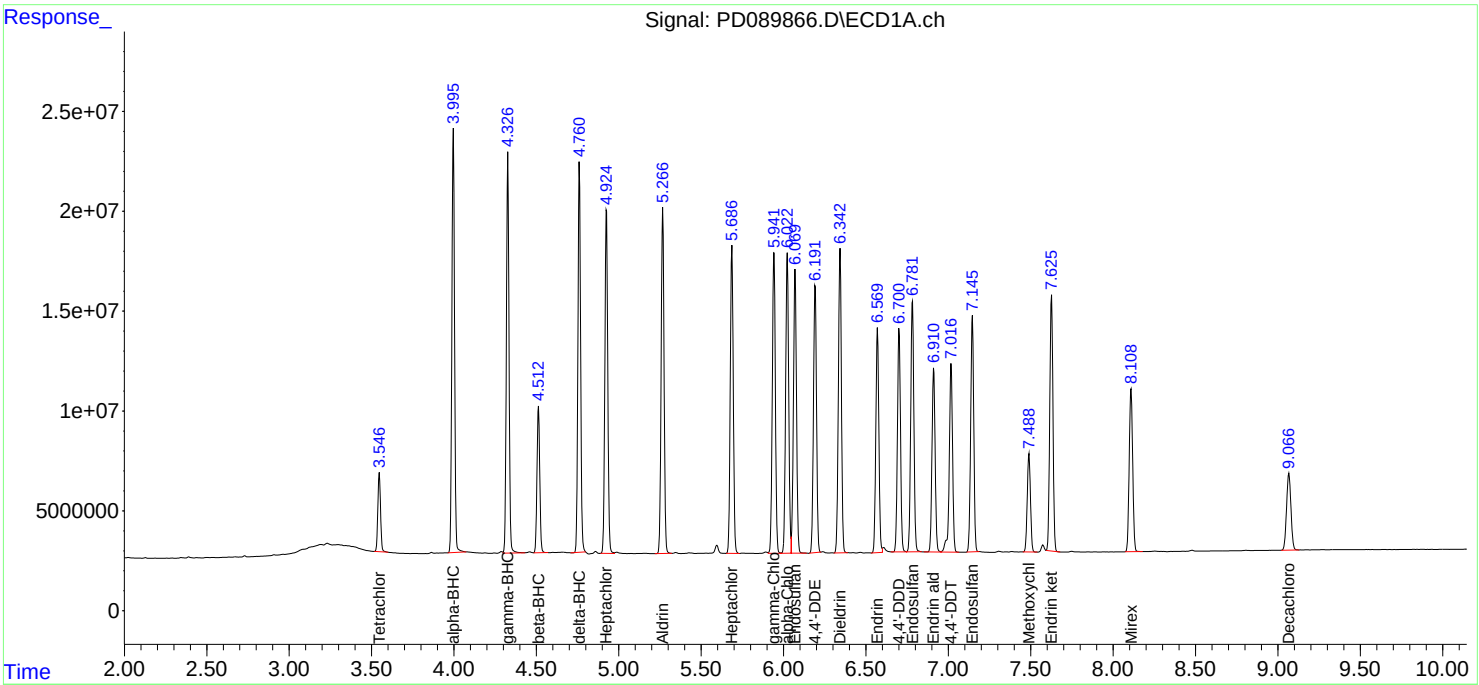
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

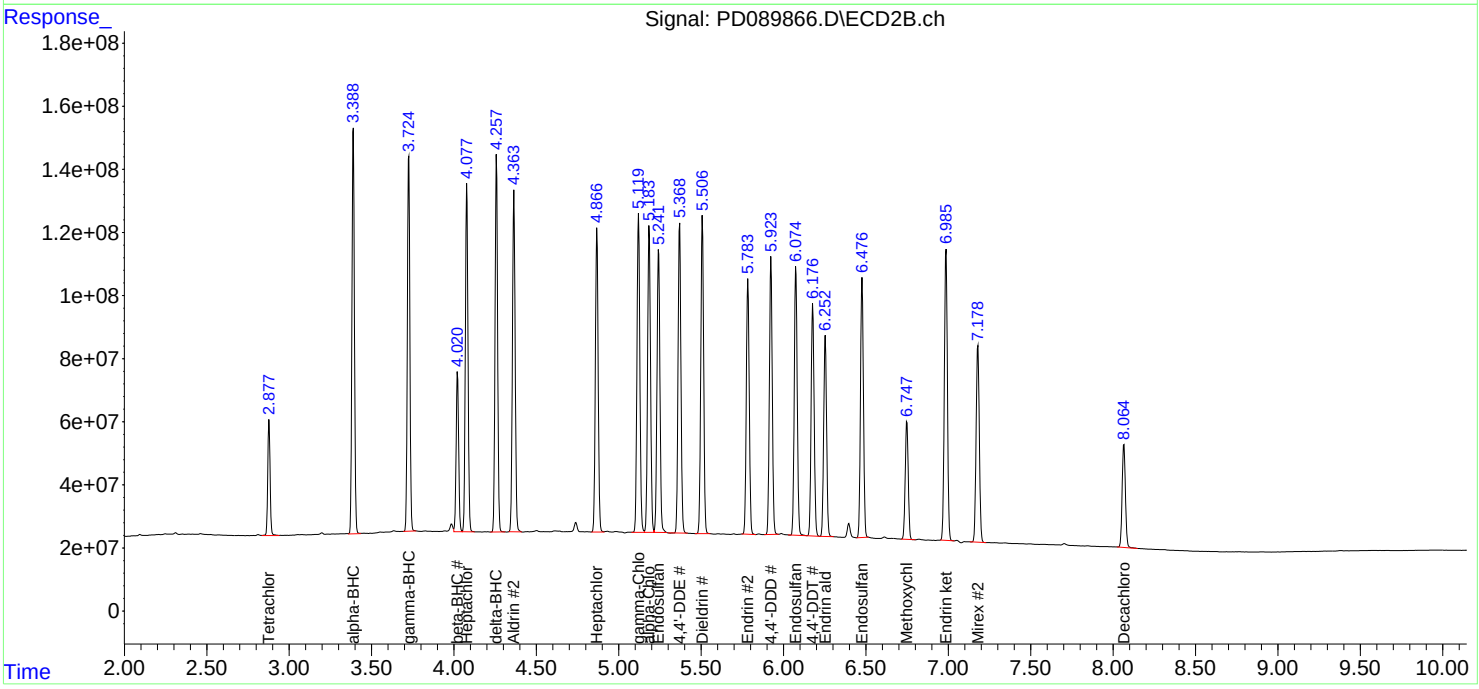
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089866.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 16:47
Operator : AR\AJ
Sample : PB169206BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB169206BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:12:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 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\PD081525\
Data File : PD089894.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:14
Operator : AR\AJ
Sample : Q2819-14MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
17M-WMS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:26:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 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...	3.548	2.877	42641031	337.8E6	17.287	21.329m
28)	SA Decachlor...	9.070	8.067	45831658	355.0E6	12.333	17.684 #
	Target Compounds						
2)	A alpha-BHC	3.998	3.389	255.0E6	1426.7E6	51.475	58.702m
3)	MA gamma-BHC...	4.329	3.727	235.3E6	1324.6E6	49.509	58.809
4)	MA Heptachlor	4.927	4.079	237.1E6	1314.7E6	49.267	56.647
5)	MB Aldrin	5.263	4.365	172.8E6	1478.0E6	37.848m	66.426 #
6)	B beta-BHC	4.515	4.023	90363742	564.7E6	48.986	58.529
7)	B delta-BHC	4.764	4.259	227.8E6	1357.5E6	49.662	59.760
8)	B Heptachlo...	5.683	4.869	285.3E6	1660.3E6	68.251m	80.794
9)	A Endosulfan I	6.071	5.239	196.0E6	1192.9E6	49.444	61.021m
10)	B gamma-Chl...	5.944	5.127	3510.5E6	10951.0E6	840.029	505.743 #
11)	B alpha-Chl...	6.026	5.181	4153.1E6	12306.5E6	987.849	591.036 #
12)	B 4,4'-DDE	6.193	5.371	292.3E6	1422.5E6	78.378	67.299
13)	MA Dieldrin	6.345	5.507	220.8E6	1373.1E6	52.270	63.456m
14)	MA Endrin	6.571	5.785	155.7E6	1758.7E6	43.509m	88.267m#
15)	B Endosulfa...	6.785	6.084	205.4E6	4836.0E6	55.982	257.240 #
16)	A 4,4'-DDD	6.701	5.925	125.2E6	705.2E6	41.807m	39.992
17)	MA 4,4'-DDT	7.019	6.179	204.7E6	1520.0E6	60.923	82.734 #
18)	B Endrin al...	6.914	6.255	135.6E6	758.8E6	54.336	58.725
19)	B Endosulfa...	7.149	6.478	180.6E6	1014.2E6	52.047	54.626
20)	A Methoxychlor	7.492	6.749	67095468	483.8E6	37.526	49.388 #
21)	B Endrin ke...	7.628	6.987	157.2E6	1080.7E6	42.336	53.853 #
22)	Mirex	8.112	7.179	122.6E6	875.0E6	43.967	57.483m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

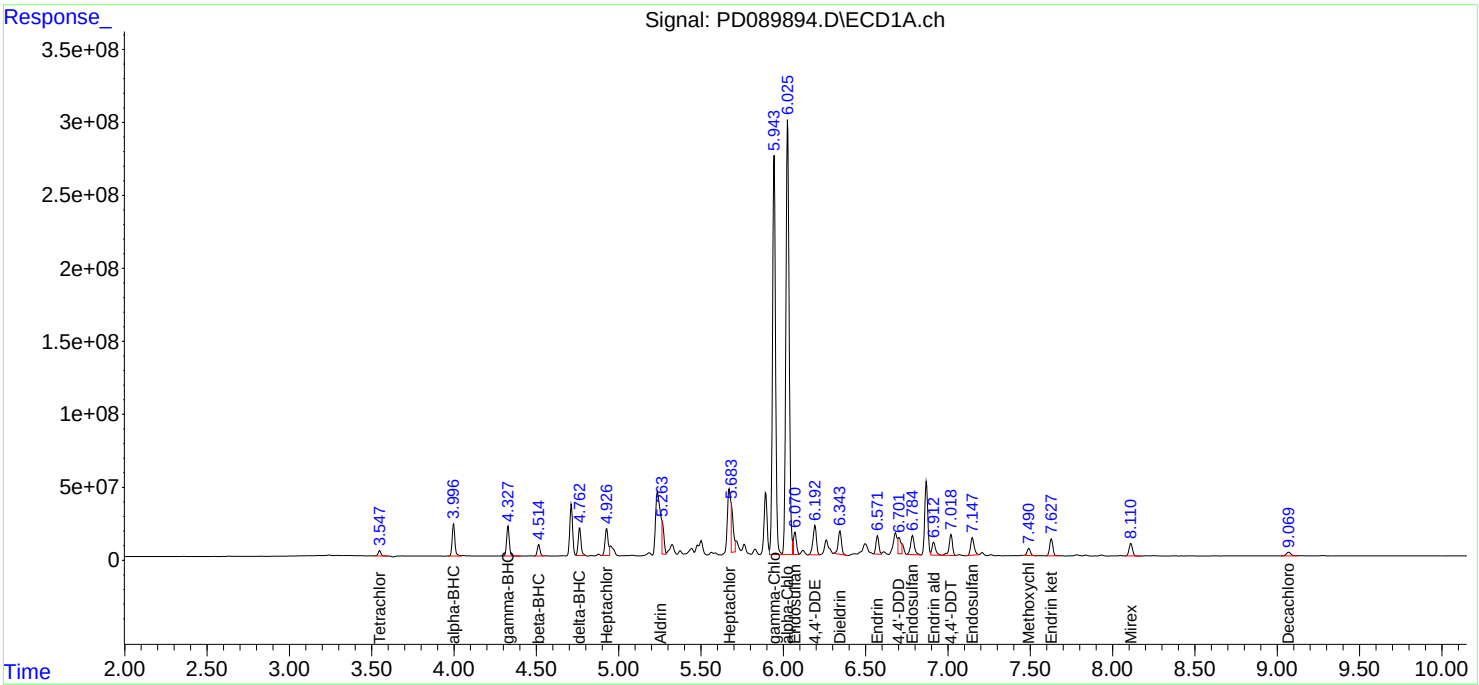
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089894.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:14
Operator : AR\AJ
Sample : Q2819-14MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

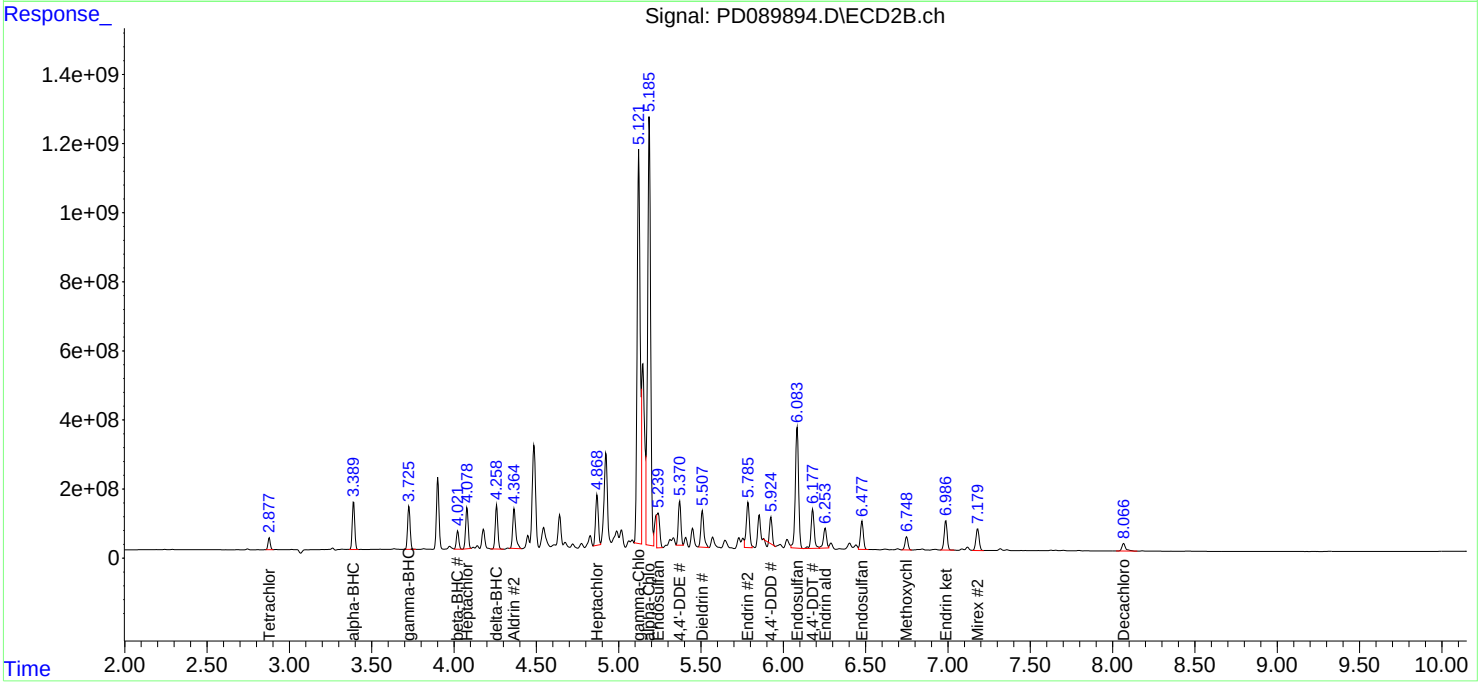
Instrument :
ECD_D
ClientSampleId :
17M-WMS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:26:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 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 0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089895.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:28
Operator : AR\AJ
Sample : Q2819-14MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
17M-WMSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:26:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.549	2.877	42100671	342.4E6	17.068	21.617m#
28)	SA Decachlor...	9.069	8.067	45436605	358.4E6	12.226	17.849 #
	Target Compounds						
2)	A alpha-BHC	3.998	3.389	253.8E6	1421.2E6	51.242	58.472m
3)	MA gamma-BHC...	4.329	3.727	234.7E6	1330.0E6	49.382	59.048
4)	MA Heptachlor	4.927	4.080	246.1E6	1368.2E6	51.145	58.952
5)	MB Aldrin	5.257	4.366	290.0E6	1471.3E6	63.529m	66.125
6)	B beta-BHC	4.515	4.023	90338615	566.3E6	48.973	58.694
7)	B delta-BHC	4.763	4.260	230.5E6	1372.3E6	50.254	60.414
8)	B Heptachlo...	5.682	4.869	309.8E6	1650.0E6	74.106m	80.295
9)	A Endosulfan I	6.072	5.239	195.1E6	804.9E6	49.212	41.176m
10)	B gamma-Chl...	5.945	5.127	3495.0E6	10875.0E6	836.311	502.231 #
11)	B alpha-Chl...	6.027	5.181	4144.7E6	12374.1E6	985.845	594.281 #
12)	B 4,4'-DDE	6.193	5.372	288.9E6	1394.5E6	77.450	65.972
13)	MA Dieldrin	6.345	5.508	221.0E6	1372.1E6	52.323	63.408m
14)	MA Endrin	6.573	5.785	140.6E6	1755.1E6	39.310	88.086m#
15)	B Endosulfa...	6.785	6.085	204.8E6	4872.5E6	55.817	259.180 #
16)	A 4,4'-DDD	6.701	5.924	129.0E6	1089.0E6	43.080m	61.760m#
17)	MA 4,4'-DDT	7.019	6.180	213.7E6	1575.0E6	63.611	85.727 #
18)	B Endrin al...	6.914	6.255	142.3E6	787.8E6	57.014	60.974
19)	B Endosulfa...	7.149	6.479	182.2E6	1040.6E6	52.502	56.052
20)	A Methoxychlor	7.492	6.750	79395593	517.3E6	44.405	52.806
21)	B Endrin ke...	7.629	6.987	162.6E6	1115.9E6	43.769	55.604 #
22)	Mirex	8.112	7.179	122.6E6	870.2E6	43.972	57.172m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

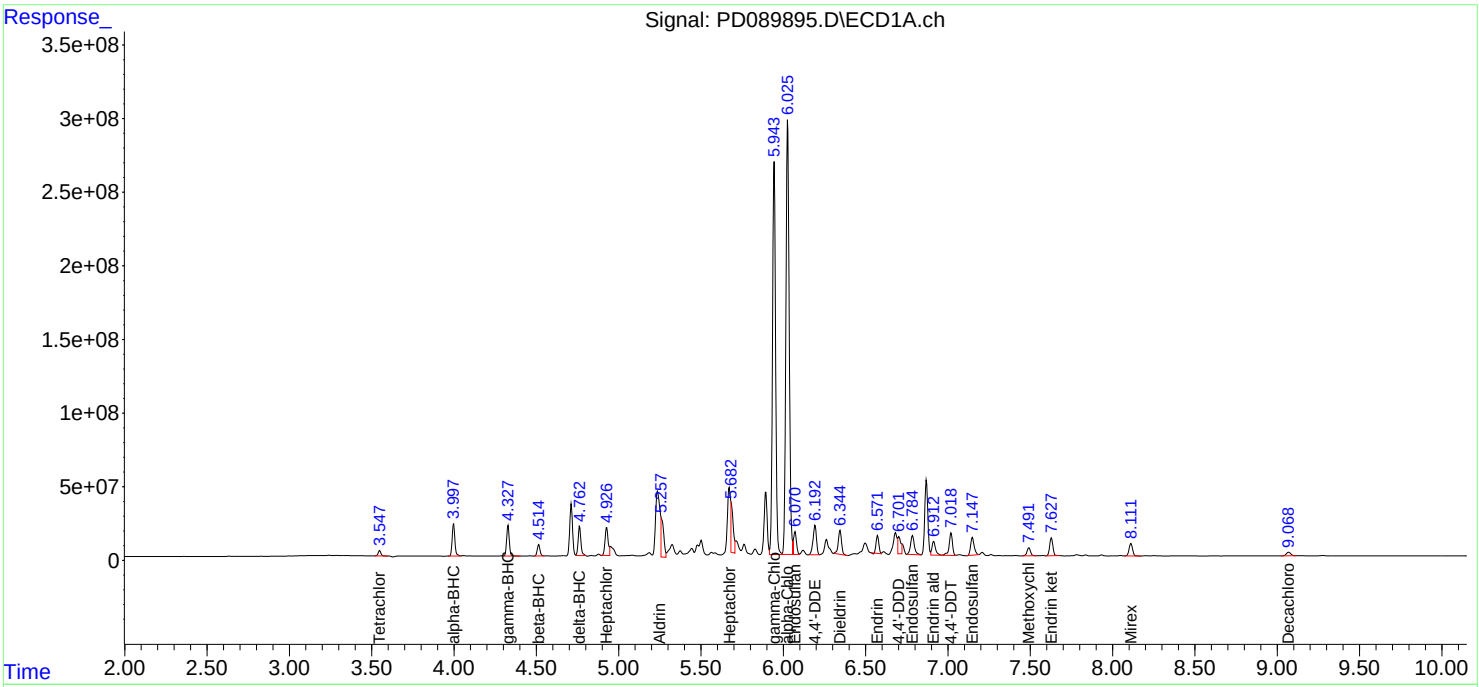
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089895.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:28
Operator : AR\AJ
Sample : Q2819-14MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

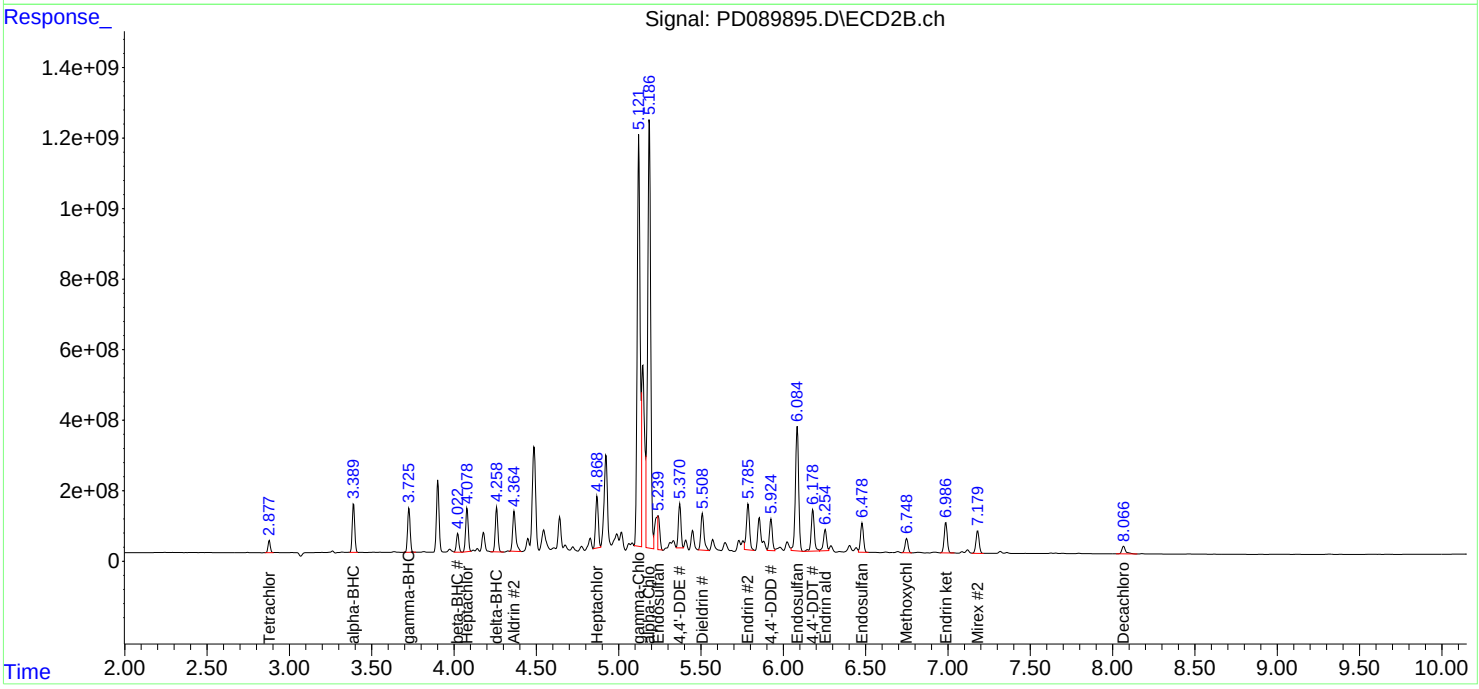
Instrument :
ECD_D
ClientSampleId :
17M-WMSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:26:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 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 0.25µm





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

Manual Integration Report

Sequence:	pd073125	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089686.D	4,4"-DDD #2	Abdul	8/1/2025 9:25:47 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software
PEM	PD089686.D	4,4"-DDE	Abdul	8/1/2025 9:25:47 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software
PEM	PD089686.D	4,4"-DDE #2	Abdul	8/1/2025 9:25:47 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software
PEM	PD089686.D	Endrin ketone	Abdul	8/1/2025 9:25:47 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software
PEM	PD089686.D	Endrin ketone #2	Abdul	8/1/2025 9:25:47 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software
PSTDICC075	PD089689.D	gamma-BHC (Lindane)	Abdul	8/1/2025 8:28:32 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software
PSTDICC005	PD089692.D	4,4"-DDE #2	Abdul	8/1/2025 8:28:35 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software
PSTDICC005	PD089692.D	Endrin aldehyde	Abdul	8/1/2025 8:28:35 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pd081325	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089863.D	4,4"-DDE #2	Abdul	8/13/2025 8:16:51 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
PEM	PD089863.D	alpha-BHC #2	Abdul	8/13/2025 8:16:51 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
PEM	PD089863.D	Endrin ketone	Abdul	8/13/2025 8:16:51 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
PEM	PD089863.D	Endrin ketone #2	Abdul	8/13/2025 8:16:51 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
Q2818-01	PD089867.D	alpha-Chlordane #2	Abdul	8/13/2025 8:16:55 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
Q2818-01	PD089867.D	gamma-Chlordane #2	Abdul	8/13/2025 8:16:55 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
Q2818-01	PD089867.D	Tetrachloro-m-xylene #2	Abdul	8/13/2025 8:16:55 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
Q2818-02	PD089868.D	4,4"-DDE	Abdul	8/13/2025 8:17:00 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
Q2818-02	PD089868.D	4,4"-DDE #2	Abdul	8/13/2025 8:17:00 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
Q2818-02	PD089868.D	alpha-Chlordane	Abdul	8/13/2025 8:17:00 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
Q2818-02	PD089868.D	alpha-Chlordane #2	Abdul	8/13/2025 8:17:00 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
Q2818-02	PD089868.D	Decachlorobiphenyl	Abdul	8/13/2025 8:17:00 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
Q2818-02	PD089868.D	Decachlorobiphenyl #2	Abdul	8/13/2025 8:17:00 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd081325	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2818-02	PD089868.D	Dieldrin	Abdul	8/13/2025 8:17:00 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
Q2818-02	PD089868.D	Dieldrin #2	Abdul	8/13/2025 8:17:00 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
Q2818-02	PD089868.D	Methoxychlor	Abdul	8/13/2025 8:17:00 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
Q2818-02	PD089868.D	Methoxychlor #2	Abdul	8/13/2025 8:17:00 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
Q2818-02	PD089868.D	Tetrachloro-m-xylene	Abdul	8/13/2025 8:17:00 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
Q2818-02	PD089868.D	Tetrachloro-m-xylene #2	Abdul	8/13/2025 8:17:00 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
PSTDCCC050	PD089876.D	4,4"-DDD #2	Abdul	8/13/2025 8:17:39 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
PSTDCCC050	PD089876.D	Endrin #2	Abdul	8/13/2025 8:17:39 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software

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Manual Integration Report

Sequence:	PD081525	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089889.D	4,4"-DDD	Abdul	8/15/2025 9:26:49 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
PEM	PD089889.D	alpha-BHC #2	Abdul	8/15/2025 9:26:49 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
PEM	PD089889.D	Endrin aldehyde #2	Abdul	8/15/2025 9:26:49 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
PEM	PD089889.D	Endrin ketone	Abdul	8/15/2025 9:26:49 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
PEM	PD089889.D	Endrin ketone #2	Abdul	8/15/2025 9:26:49 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
PSTDCCC050	PD089890.D	alpha-BHC #2	Abdul	8/15/2025 9:27:39 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MS	PD089894.D	4,4"-DDD	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MS	PD089894.D	Aldrin	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MS	PD089894.D	alpha-BHC #2	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MS	PD089894.D	Dieldrin #2	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MS	PD089894.D	Endosulfan I #2	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MS	PD089894.D	Endrin	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MS	PD089894.D	Endrin #2	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software

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Manual Integration Report

Sequence:	PD081525	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2819-14MS	PD089894.D	Heptachlor epoxide	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MS	PD089894.D	Mirex #2	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MS	PD089894.D	Tetrachloro-m-xylene #2	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	4,4"-DDD	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	4,4"-DDD #2	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	Aldrin	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	alpha-BHC #2	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	Dieldrin #2	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	Endosulfan I #2	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	Endrin #2	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	Heptachlor epoxide	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	Mirex #2	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	Tetrachloro-m-xylene #2	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software

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Manual Integration Report

Sequence:	PD081525	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD073125

Review By	Abdul	Review On	8/1/2025 8:29:12 AM		
Supervise By	mohammad	Supervise On	8/1/2025 9:27:16 AM		
SubDirectory	PD073125	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089684.D	31 Jul 2025 09:13	AR\AJ	Ok
2	I.BLK	PD089685.D	31 Jul 2025 10:33	AR\AJ	Ok
3	PEM	PD089686.D	31 Jul 2025 10:47	AR\AJ	Ok,M
4	RESCHK	PD089687.D	31 Jul 2025 11:34	AR\AJ	Ok
5	PSTDICC100	PD089688.D	31 Jul 2025 11:47	AR\AJ	Ok
6	PSTDICC075	PD089689.D	31 Jul 2025 12:01	AR\AJ	Ok,M
7	PSTDICC050	PD089690.D	31 Jul 2025 12:14	AR\AJ	Ok
8	PSTDICC025	PD089691.D	31 Jul 2025 12:28	AR\AJ	Ok
9	PSTDICC005	PD089692.D	31 Jul 2025 12:41	AR\AJ	Ok,M
10	PCHLORICC1000	PD089693.D	31 Jul 2025 12:56	AR\AJ	Ok
11	PCHLORICC750	PD089694.D	31 Jul 2025 13:09	AR\AJ	Ok
12	PCHLORICC500	PD089695.D	31 Jul 2025 13:23	AR\AJ	Ok
13	PCHLORICC250	PD089696.D	31 Jul 2025 13:36	AR\AJ	Ok
14	PCHLORICC050	PD089697.D	31 Jul 2025 13:50	AR\AJ	Ok
15	PTOXICC1000	PD089698.D	31 Jul 2025 14:03	AR\AJ	Ok
16	PTOXICC750	PD089699.D	31 Jul 2025 14:17	AR\AJ	Ok
17	PTOXICC500	PD089700.D	31 Jul 2025 14:31	AR\AJ	Ok
18	PTOXICC250	PD089701.D	31 Jul 2025 14:44	AR\AJ	Ok,M
19	PTOXICC100	PD089702.D	31 Jul 2025 14:58	AR\AJ	Ok,M
20	PSTDICV050	PD089703.D	31 Jul 2025 15:11	AR\AJ	Ok
21	PCHLORICV500	PD089704.D	31 Jul 2025 15:25	AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD073125

Review By	Abdul	Review On	8/1/2025 8:29:12 AM		
Supervise By	mohammad	Supervise On	8/1/2025 9:27:16 AM		
SubDirectory	PD073125	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PTOXICV500	PD089705.D	31 Jul 2025 15:39	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD081325

Review By	Abdul	Review On	8/21/2025 9:33:07 AM		
Supervise By	mohammad	Supervise On	8/22/2025 1:53:41 AM		
SubDirectory	PD081325	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089861.D	12 Aug 2025 14:35	AR\AJ	Ok
2	I.BLK	PD089862.D	12 Aug 2025 15:22	AR\AJ	Ok
3	PEM	PD089863.D	12 Aug 2025 15:35	AR\AJ	Ok,M
4	PSTDCCC050	PD089864.D	12 Aug 2025 16:05	AR\AJ	Ok
5	PB169206BL	PD089865.D	12 Aug 2025 16:33	AR\AJ	Ok
6	PB169206BS	PD089866.D	12 Aug 2025 16:47	AR\AJ	Ok
7	Q2818-01	PD089867.D	12 Aug 2025 17:00	AR\AJ	Ok,M
8	Q2818-02	PD089868.D	12 Aug 2025 17:14	AR\AJ	Ok,M
9	Q2823-01	PD089869.D	12 Aug 2025 17:27	AR\AJ	Ok,M
10	Q2830-01	PD089870.D	12 Aug 2025 17:41	AR\AJ	Ok,M
11	Q2830-03	PD089871.D	12 Aug 2025 17:55	AR\AJ	Ok,M
12	Q2830-05	PD089872.D	12 Aug 2025 18:08	AR\AJ	Ok,M
13	Q2830-07	PD089873.D	12 Aug 2025 18:22	AR\AJ	Ok,M
14	Q2831-01	PD089874.D	12 Aug 2025 18:36	AR\AJ	Ok,M
15	I.BLK	PD089875.D	12 Aug 2025 18:50	AR\AJ	Ok
16	PSTDCCC050	PD089876.D	12 Aug 2025 20:12	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD081525

Review By	Abdul	Review On	8/15/2025 9:28:00 AM		
Supervise By	mohammad	Supervise On	8/18/2025 1:44:47 AM		
SubDirectory	PD081525	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089887.D	14 Aug 2025 11:51	AR\AJ	Ok
2	I.BLK	PD089888.D	14 Aug 2025 12:05	AR\AJ	Ok
3	PEM	PD089889.D	14 Aug 2025 12:19	AR\AJ	Ok,M
4	PSTDCCC050	PD089890.D	14 Aug 2025 12:52	AR\AJ	Ok,M
5	Q2819-06	PD089891.D	14 Aug 2025 13:34	AR\AJ	Dilution
6	Q2819-11	PD089892.D	14 Aug 2025 13:47	AR\AJ	Ok,M
7	Q2819-14	PD089893.D	14 Aug 2025 14:01	AR\AJ	Dilution
8	Q2819-14MS	PD089894.D	14 Aug 2025 14:14	AR\AJ	Ok,M
9	Q2819-14MSD	PD089895.D	14 Aug 2025 14:28	AR\AJ	Ok,M
10	Q2820-09	PD089896.D	14 Aug 2025 14:41	AR\AJ	ReRun
11	Q2820-10	PD089897.D	14 Aug 2025 14:55	AR\AJ	Ok,M
12	Q2820-24	PD089898.D	14 Aug 2025 15:09	AR\AJ	Ok,M
13	Q2858-01	PD089899.D	14 Aug 2025 15:23	AR\AJ	Ok,M
14	PB169243BL	PD089900.D	14 Aug 2025 15:36	AR\AJ	Ok
15	I.BLK	PD089901.D	14 Aug 2025 15:50	AR\AJ	Ok
16	PSTDCCC050	PD089902.D	14 Aug 2025 17:10	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD073125

Review By	Abdul	Review On	8/1/2025 8:29:12 AM		
Supervise By	mohammad	Supervise On	8/1/2025 9:27:16 AM		
SubDirectory	PD073125	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089684.D	31 Jul 2025 09:13		AR\AJ	Ok
2	I.BLK	I.BLK	PD089685.D	31 Jul 2025 10:33		AR\AJ	Ok
3	PEM	PEM	PD089686.D	31 Jul 2025 10:47		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD089687.D	31 Jul 2025 11:34		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PD089688.D	31 Jul 2025 11:47		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PD089689.D	31 Jul 2025 12:01		AR\AJ	Ok,M
7	PSTDICC050	PSTDICC050	PD089690.D	31 Jul 2025 12:14		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD089691.D	31 Jul 2025 12:28		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PD089692.D	31 Jul 2025 12:41		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PD089693.D	31 Jul 2025 12:56		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PD089694.D	31 Jul 2025 13:09		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PD089695.D	31 Jul 2025 13:23		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PD089696.D	31 Jul 2025 13:36		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PD089697.D	31 Jul 2025 13:50		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PD089698.D	31 Jul 2025 14:03		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PD089699.D	31 Jul 2025 14:17		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD089700.D	31 Jul 2025 14:31		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD089701.D	31 Jul 2025 14:44		AR\AJ	Ok,M

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD073125

Review By	Abdul	Review On	8/1/2025 8:29:12 AM		
Supervise By	mohammad	Supervise On	8/1/2025 9:27:16 AM		
SubDirectory	PD073125	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PTOXICC100	PTOXICC100	PD089702.D	31 Jul 2025 14:58		AR\AJ	Ok,M
20	PSTDICV050	ICVPD073125	PD089703.D	31 Jul 2025 15:11		AR\AJ	Ok
21	PCHLORICV500	ICVPD073125CHLOR	PD089704.D	31 Jul 2025 15:25		AR\AJ	Ok
22	PTOXICV500	ICVPD073125TOX	PD089705.D	31 Jul 2025 15:39		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD081325

Review By	Abdul	Review On	8/21/2025 9:33:07 AM		
Supervise By	mohammad	Supervise On	8/22/2025 1:53:41 AM		
SubDirectory	PD081325	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089861.D	12 Aug 2025 14:35		AR\AJ	Ok
2	I.BLK	I.BLK	PD089862.D	12 Aug 2025 15:22		AR\AJ	Ok
3	PEM	PEM	PD089863.D	12 Aug 2025 15:35		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD089864.D	12 Aug 2025 16:05		AR\AJ	Ok
5	PB169206BL	PB169206BL	PD089865.D	12 Aug 2025 16:33		AR\AJ	Ok
6	PB169206BS	PB169206BS	PD089866.D	12 Aug 2025 16:47		AR\AJ	Ok
7	Q2818-01	B-2-5-1	PD089867.D	12 Aug 2025 17:00		AR\AJ	Ok,M
8	Q2818-02	B-3-5-2	PD089868.D	12 Aug 2025 17:14		AR\AJ	Ok,M
9	Q2823-01	SU-04-081125	PD089869.D	12 Aug 2025 17:27		AR\AJ	Ok,M
10	Q2830-01	BIN0009-DRIVEWAY-T	PD089870.D	12 Aug 2025 17:41		AR\AJ	Ok,M
11	Q2830-03	BIN0009-DRIVEWAY-T	PD089871.D	12 Aug 2025 17:55		AR\AJ	Ok,M
12	Q2830-05	BIN0009-DRIVEWAY-T	PD089872.D	12 Aug 2025 18:08		AR\AJ	Ok,M
13	Q2830-07	BIN0009-DRIVEWAY-T	PD089873.D	12 Aug 2025 18:22		AR\AJ	Ok,M
14	Q2831-01	VNJ-238	PD089874.D	12 Aug 2025 18:36		AR\AJ	Ok,M
15	I.BLK	I.BLK	PD089875.D	12 Aug 2025 18:50		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PD089876.D	12 Aug 2025 20:12		AR\AJ	Ok,M

M : Manual Integration

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD081525

Review By	Abdul	Review On	8/15/2025 9:28:00 AM		
Supervise By	mohammad	Supervise On	8/18/2025 1:44:47 AM		
SubDirectory	PD081525	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089887.D	14 Aug 2025 11:51		AR\AJ	Ok
2	I.BLK	I.BLK	PD089888.D	14 Aug 2025 12:05		AR\AJ	Ok
3	PEM	PEM	PD089889.D	14 Aug 2025 12:19		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD089890.D	14 Aug 2025 12:52		AR\AJ	Ok,M
5	Q2819-06	11M-S	PD089891.D	14 Aug 2025 13:34	Need 5X	AR\AJ	Dilution
6	Q2819-11	84SB-W	PD089892.D	14 Aug 2025 13:47	DCB low in 1ST column	AR\AJ	Ok,M
7	Q2819-14	17M-W	PD089893.D	14 Aug 2025 14:01	Need dilution	AR\AJ	Dilution
8	Q2819-14MS	17M-WMS	PD089894.D	14 Aug 2025 14:14	Recovery fail	AR\AJ	Ok,M
9	Q2819-14MSD	17M-WMSD	PD089895.D	14 Aug 2025 14:28	Recovery fail	AR\AJ	Ok,M
10	Q2820-09	705R-S	PD089896.D	14 Aug 2025 14:41	DCB low in both column	AR\AJ	ReRun
11	Q2820-10	SOIL-DUP-2	PD089897.D	14 Aug 2025 14:55		AR\AJ	Ok,M
12	Q2820-24	22M-S	PD089898.D	14 Aug 2025 15:09		AR\AJ	Ok,M
13	Q2858-01	VNJ 216	PD089899.D	14 Aug 2025 15:23		AR\AJ	Ok,M
14	PB169243BL	PB169243BL	PD089900.D	14 Aug 2025 15:36		AR\AJ	Ok
15	I.BLK	I.BLK	PD089901.D	14 Aug 2025 15:50		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PD089902.D	14 Aug 2025 17:10		AR\AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB169206

SOP ID:	M3541-ASE Extraction-15				
Clean Up SOP #:	Florisil			**Extraction Start Date :**	08/12/2025
Matrix :	Solid			**Extraction Start Time :**	08:16
Weigh By:	RJ	**Extraction By:**	RJ	**Extraction End Date :**	08/12/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	11:30
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	RS
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24627
Surrogate	1.0ML	200 PPB	PP24663
Spike Sol 2	2.0ML	1000 PPB	PP24622
Spike Sol 3	2.0ML	1000 PPB	PP24621
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2627
Baked Na2SO4	N/A	EP2632
Sand	N/A	E3951
Hexane	N/A	E3962
Florisil	N/A	E3927
9:1 Hexane:Acetone Mixture	N/A	EP2596
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721.

KD Bath ID:	N/A	**Envap ID:**	NE VAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/12/25	RS (Ext Lab)	T-P Post HPLC
11:35	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169206

Analytical Method: M3541-ASE Extraction-15 **Concentration Date:** 08/12/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169206BL	PBLK206	Pesticide-TCL	30.01	N/A	ritesh	RUPESH	10			U1-1
PB169206BS	PLCS206	Pesticide-TCL	30.03	N/A	ritesh	RUPESH	10			2
Q2818-01	B-2-5-1	Pesticide-TCL	30.07	N/A	ritesh	RUPESH	10	B		3
Q2818-02	B-3-5-2	Pesticide-TCL	30.03	N/A	ritesh	RUPESH	10	B		4
Q2819-06	11M-S	Pesticide-TCL	30.05	N/A	ritesh	RUPESH	10	E		5
Q2819-11	84SB-W	Pesticide-TCL	30.02	N/A	ritesh	RUPESH	10	E		6
Q2819-14	17M-W	Pesticide-TCL	30.08	N/A	ritesh	RUPESH	10	E		U2-1
Q2819-14MS	17M-WMS	Pesticide-TCL	30.02	N/A	ritesh	RUPESH	10	E		2
Q2819-14MSD	17M-WMSD	Pesticide-TCL	30.04	N/A	ritesh	RUPESH	10	E		3
Q2820-09	705R-S	Pesticide-TCL	30.06	N/A	ritesh	RUPESH	10	E		4
Q2820-10	SOIL-DUP-2	Pesticide-TCL	30.09	N/A	ritesh	RUPESH	10	E		5
Q2820-24	22M-S	Pesticide-TCL	30.01	N/A	ritesh	RUPESH	10	E		6
Q2823-01	SU-04-081125	Pesticide-TCL	30.04	N/A	ritesh	RUPESH	10	E		U3-1
Q2827-01	TP-8	Pesticide-TCL	30.07	N/A	ritesh	RUPESH	10	E		2
Q2827-05	TP-9	Pesticide-TCL	30.02	N/A	ritesh	RUPESH	10	E	Gasoline Smell	3
Q2830-01	BIN0009-DRIVEWAY-TP-SOUTH-EAST	Pesticide-TCL	30.06	N/A	ritesh	RUPESH	10	E		4
Q2830-03	BIN0009-DRIVEWAY-TP-WEST	Pesticide-TCL	30.09	N/A	ritesh	RUPESH	10	E		5
Q2830-05	BIN0009-DRIVEWAY-TP-WESTSIDE	Pesticide-TCL	30.06	N/A	ritesh	RUPESH	10	E		6
Q2830-07	BIN0009-DRIVEWAY-TP-EASTSIDE	Pesticide-TCL	30.04	N/A	ritesh	RUPESH	10	E		U6-1
Q2831-01	VNJ-238	Pesticide-TCL	30.08	N/A	ritesh	RUPESH	10	B		2
	CHLORDANE	1	30.03	1	1	1	10			3
	TOXAPHENE	1	30.02	1	1	1	10			4

RS 8/12

* **Extracts relinquished on the same date as received.**

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2818P **WorkList ID :** 191214 **Department :** Extraction **Date :** 08-12-2025 08::10;57

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2818-01	B-2-5-1	Solid	Pesticide-TCL	Cool 4 deg C	EARTH03		08/11/2025	8081B
Q2818-02	B-3-5-2	Solid	Pesticide-TCL	Cool 4 deg C	EARTH03		08/11/2025	8081B
Q2819-06	11M-S	Solid	Pesticide-TCL	Cool 4 deg C	FIRS02	D31	08/05/2025	8081B
Q2819-11	84SB-W	Solid	Pesticide-TCL	Cool 4 deg C	FIRS02	D31	08/05/2025	8081B
Q2819-14	17M-W	Solid	Pesticide-TCL	Cool 4 deg C	FIRS02	D31	08/05/2025	8081B
Q2820-09	705R-S	Solid	Pesticide-TCL	Cool 4 deg C	FIRS02	D31	08/07/2025	8081B
Q2820-10	SOIL-DUP-2	Solid	Pesticide-TCL	Cool 4 deg C	FIRS02	D31	08/07/2025	8081B
Q2820-24	22M-S	Solid	Pesticide-TCL	Cool 4 deg C	FIRS02	D31	08/08/2025	8081B
Q2823-01	SU-04-081125	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	D31	08/11/2025	8081B
Q2827-01	TP-8	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	08/11/2025	8081B
Q2827-05	TP-9	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	08/11/2025	8081B
Q2830-01	BIN009-DRIVEWAY-TP-SOUTH	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	08/11/2025	8081B
Q2830-03	BIN009-DRIVEWAY-TP-WEST	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	08/11/2025	8081B
Q2830-05	BIN009-DRIVEWAY-TP-WEST	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	08/11/2025	8081B
Q2830-07	BIN009-DRIVEWAY-TP-EASTS	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	08/11/2025	8081B
Q2831-01	VNJ-238	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D21	08/11/2025	8081B

Date/Time 08/12/25 8:10
Raw Sample Received by: RJ (EA-(ALS)
Raw Sample Relinquished by:

Date/Time 08/12/25 8:40
Raw Sample Received by:
Raw Sample Relinquished by: RJ (EA-(ALS)

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LAB CHRONICLE

OrderID:	Q2818	**OrderDate:**	8/11/2025 11:57:00 AM
Client:	Earth Engineering Inc.	**Project:**	Reserve Turgyan Farms
Contact:	Frank Dougherty, LSRP	**Location:**	J21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2818-01	**B-2-5-1**	**SOIL**			**08/11/25**			**08/11/25**
			PCB	8082A		08/12/25	08/12/25	
			Pesticide-TCL	8081B		08/12/25	08/12/25	
			EPH_NF	NJEPH		08/12/25	08/12/25	
			EPH_NF	NJEPH		08/12/25	08/13/25	
Q2818-01DL	**B-2-5-1DL**	**Solid**			**08/11/25**			**08/11/25**
			EPH_NF	NJEPH		08/12/25	08/13/25	
Q2818-02	**B-3-5-2**	**SOIL**			**08/11/25**			**08/11/25**
			PCB	8082A		08/12/25	08/12/25	
			Pesticide-TCL	8081B		08/12/25	08/12/25	
			EPH_NF	NJEPH		08/12/25	08/12/25	
			EPH_NF	NJEPH		08/12/25	08/13/25	
Q2818-02DL	**B-3-5-2DL**	**Solid**			**08/11/25**			**08/11/25**
			EPH_NF	NJEPH		08/12/25	08/13/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2818 **Order ID:** Q2818

Client: Earth Engineering Inc. **Project ID:** Reserve Turgyan Farms

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

SAMPLE DATA

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-2-5-1	SDG No.:	Q2818
Lab Sample ID:	Q2818-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	87.5 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112858.D	1	08/12/25 08:15	08/12/25 12:50	PB169205

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.50	U	4.50	19.4	ug/kg
11104-28-2	Aroclor-1221	4.60	U	4.60	19.4	ug/kg
11141-16-5	Aroclor-1232	4.20	U	4.20	19.4	ug/kg
53469-21-9	Aroclor-1242	4.60	U	4.60	19.4	ug/kg
12672-29-6	Aroclor-1248	6.70	U	6.70	19.4	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.4	ug/kg
37324-23-5	Aroclor-1262	5.70	U	5.70	19.4	ug/kg
11100-14-4	Aroclor-1268	4.10	U	4.10	19.4	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	19.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.7		32 - 144	118%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.0		32 - 175	115%	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:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-3-5-2	SDG No.:	Q2818
Lab Sample ID:	Q2818-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	89.1 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112859.D	1	08/12/25 08:15	08/12/25 13:08	PB169205

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.40	U	4.40	19.1	ug/kg
11104-28-2	Aroclor-1221	4.50	U	4.50	19.1	ug/kg
11141-16-5	Aroclor-1232	4.20	U	4.20	19.1	ug/kg
53469-21-9	Aroclor-1242	4.50	U	4.50	19.1	ug/kg
12672-29-6	Aroclor-1248	6.60	U	6.60	19.1	ug/kg
11097-69-1	Aroclor-1254	3.60	U	3.60	19.1	ug/kg
37324-23-5	Aroclor-1262	5.60	U	5.60	19.1	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	19.1	ug/kg
11096-82-5	Aroclor-1260	3.60	U	3.60	19.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.2		32 - 144	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.5		32 - 175	107%	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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Surrogate Summary

SDG No.: Q2818

Client: Earth Engineering Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PO112413.D	PIBLK-PO112413.D	Tetrachloro-m-xyl	1	20	19.1	95		60	140
		Decachlorobiphen	1	20	20.0	100		60	140
		Tetrachloro-m-xyl	2	20	19.5	98		60	140
		Decachlorobiphen	2	20	20.4	102		60	140
I.BLK-PO112854.D	PIBLK-PO112854.D	Tetrachloro-m-xyl	1	20	20.9	105		60	140
		Decachlorobiphen	1	20	17.2	86		60	140
		Tetrachloro-m-xyl	2	20	20.5	102		60	140
		Decachlorobiphen	2	20	20.4	102		60	140
Q2818-01	B-2-5-1	Tetrachloro-m-xyl	1	20	23.7	118		32	144
		Decachlorobiphen	1	20	19.9	100		32	175
		Tetrachloro-m-xyl	2	20	23.4	117		32	144
		Decachlorobiphen	2	20	23.0	115		32	175
Q2818-02	B-3-5-2	Tetrachloro-m-xyl	1	20	21.1	106		32	144
		Decachlorobiphen	1	20	19.6	98		32	175
		Tetrachloro-m-xyl	2	20	21.2	106		32	144
		Decachlorobiphen	2	20	21.5	107		32	175
I.BLK-PO112869.D	PIBLK-PO112869.D	Tetrachloro-m-xyl	1	20	20.7	103		60	140
		Decachlorobiphen	1	20	19.2	96		60	140
		Tetrachloro-m-xyl	2	20	20.3	102		60	140
		Decachlorobiphen	2	20	20.5	103		60	140
I.BLK-PP074167.D	PIBLK-PP074167.D	Tetrachloro-m-xyl	1	20	19.1	95		60	140
		Decachlorobiphen	1	20	19.7	98		60	140
		Tetrachloro-m-xyl	2	20	17.3	86		60	140
		Decachlorobiphen	2	20	18.7	93		60	140
I.BLK-PP074305.D	PIBLK-PP074305.D	Tetrachloro-m-xyl	1	20	22.0	110		60	140
		Decachlorobiphen	1	20	21.1	105		60	140
		Tetrachloro-m-xyl	2	20	19.7	98		60	140
		Decachlorobiphen	2	20	18.5	93		60	140
PB169205BL	PB169205BL	Tetrachloro-m-xyl	1	20	23.1	116		32	144
		Decachlorobiphen	1	20	22.2	111		32	175
		Tetrachloro-m-xyl	2	20	20.1	101		32	144
		Decachlorobiphen	2	20	20.1	100		32	175
PB169205BS	PB169205BS	Tetrachloro-m-xyl	1	20	24.3	121		32	144
		Decachlorobiphen	1	20	22.5	112		32	175
		Tetrachloro-m-xyl	2	20	20.8	104		32	144
		Decachlorobiphen	2	20	20.0	100		32	175
Q2830-01MS	BIN0009-DRIVEWAY-TP-SOU	Tetrachloro-m-xyl	1	20	23.5	117		32	144
		Decachlorobiphen	1	20	19.9	100		32	175
		Tetrachloro-m-xyl	2	20	22.0	110		32	144
		Decachlorobiphen	2	20	17.5	87		32	175
Q2830-01MSD	BIN0009-DRIVEWAY-TP-SOU	Tetrachloro-m-xyl	1	20	23.3	116		32	144

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Surrogate Summary

SDG No.: Q2818

Client: Earth Engineering Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
Q2830-01MSD	BIN0009-DRIVEWAY-TP-SOUT	Decachlorobiphen	1	20	19.9	99		32	175
		Tetrachloro-m-xyl	2	20	22.1	111		32	144
		Decachlorobiphen	2	20	17.9	89		32	175
I.BLK-PP074319.D	PIBLK-PP074319.D	Tetrachloro-m-xyl	1	20	22.9	115		60	140
		Decachlorobiphen	1	20	21.7	109		60	140
		Tetrachloro-m-xyl	2	20	19.8	99		60	140
		Decachlorobiphen	2	20	19.8	99		60	140

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2818 **Analytical Method:** 8082A

Client: Earth Engineering Inc. **DataFile :** PP074311.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q2830-01MS (Column 1)**	**Client Sample ID:**		**BIN0009-DRIVEWAY-TP-**								
	AR1016	191.7	0	201	ug/kg	105				55	146	
	AR1260	191.7	0	173	ug/kg	90				54	119	
Lab Sample ID:	**Q2830-01MS (Column 2)**	**Client Sample ID:**		**BIN0009-DRIVEWAY-TP-**								
	AR1016	191.7	0	213	ug/kg	111				55	146	
	AR1260	191.7	0	181	ug/kg	94				54	119	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2818 **Analytical Method:** 8082A

Client: Earth Engineering Inc. **DataFile :** PP074312.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q2830-01MSD (Column 1)**	**Client Sample ID:**		**BIN0009-DRIVEWAY-TP-**								
	AR1016	191.6	0	213	ug/kg	111		6		55	146	15
	AR1260	191.6	0	177	ug/kg	92		2		54	119	15
Lab Sample ID:	**Q2830-01MSD (Column 2)**	**Client Sample ID:**		**BIN0009-DRIVEWAY-TP-**								
	AR1016	191.6	0	219	ug/kg	114		3		55	146	15
	AR1260	191.6	0	188	ug/kg	98		4		54	119	15

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2818 **Analytical Method:** 8082A

Client: Earth Engineering Inc. **Datafile :** PP074309.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169205BS (Column 1)	AR1016	166.6	185	ug/kg	111				71	120	
	AR1260	166.6	165	ug/kg	99				65	130	
PB169205BS (Column 2)	AR1016	166.6	183	ug/kg	110				71	120	
	AR1260	166.6	180	ug/kg	108				65	130	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB169205BL

Lab Name: Alliance | Contract: EARTH03

Lab Code: ACE | SDG NO.: Q2818

Lab Sample ID: PB169205BL | Lab File ID: PP074308.D

Matrix: (soil/water) Solid | Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N | Date Extracted: 08/12/2025

Date Analyzed (1): 08/12/2025 | Date Analyzed (2): 08/12/2025

Time Analyzed (1): 12:48 | Time Analyzed (2): 12:48

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
B-2-5-1	Q2818-01	PO112858.D	08/12/2025	08/12/2025
B-3-5-2	Q2818-02	PO112859.D	08/12/2025	08/12/2025
PB169205BS	PB169205BS	PP074309.D	08/12/2025	08/12/2025
BIN0009-DRIVEWAY-TP-SOUTH-EASTMS	Q2830-01MS	PP074311.D	08/12/2025	08/12/2025
BIN0009-DRIVEWAY-TP-SOUTH-EASTMSD	Q2830-01MSD	PP074312.D	08/12/2025	08/12/2025

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	PB169205BL	SDG No.:	Q2818
Lab Sample ID:	PB169205BL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074308.D	1	08/12/25 08:15	08/12/25 12:48	PB169205

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	23.1		32 - 144	116%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.2		32 - 175	111%	SPK: 20

Comments:

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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:	Earth Engineering Inc.	Date Collected:	07/23/25
Project:	Reserve Turgyan Farms	Date Received:	07/23/25
Client Sample ID:	PIBLK-PO112413.D	SDG No.:	Q2818
Lab Sample ID:	I.BLK-PO112413.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
PO112413.D	1		07/23/25	PO072325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.1		60 - 140	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.0		60 - 140	100%	SPK: 20

Comments:

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Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	08/12/25	
Project:	Reserve Turgyan Farms		Date Received:	08/12/25	
Client Sample ID:	PIBLK-PO112854.D		SDG No.:	Q2818	
Lab Sample ID:	I.BLK-PO112854.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
PO112854.D	1		08/12/25	PO081225

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	20.5		60 - 140	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.2		60 - 140	86%	SPK: 20

Comments:

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/12/25
Project:	Reserve Turgyan Farms	Date Received:	08/12/25
Client Sample ID:	PIBLK-PO112869.D	SDG No.:	Q2818
Lab Sample ID:	I.BLK-PO112869.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
PO112869.D	1		08/12/25	po081225

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	20.3		60 - 140	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.2		60 - 140	96%	SPK: 20

Comments:

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/01/25
Project:	Reserve Turgyan Farms	Date Received:	08/01/25
Client Sample ID:	PIBLK-PP074167.D	SDG No.:	Q2818
Lab Sample ID:	I.BLK-PP074167.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
PP074167.D	1		08/01/25	PP080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.3		60 - 140	86%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.7		60 - 140	93%	SPK: 20

Comments:

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/12/25
Project:	Reserve Turgyan Farms	Date Received:	08/12/25
Client Sample ID:	PIBLK-PP074305.D	SDG No.:	Q2818
Lab Sample ID:	I.BLK-PP074305.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
PP074305.D	1		08/12/25	PP081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.7		60 - 140	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.5		60 - 140	93%	SPK: 20

Comments:

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Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	08/12/25	
Project:	Reserve Turgyan Farms		Date Received:	08/12/25	
Client Sample ID:	PIBLK-PP074319.D		SDG No.:	Q2818	
Lab Sample ID:	I.BLK-PP074319.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
PP074319.D	1		08/12/25	pp081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.8		60 - 140	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.8		60 - 140	99%	SPK: 20

Comments:

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	PB169205BS	SDG No.:	Q2818
Lab Sample ID:	PB169205BS	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
PP074309.D	1	08/12/25 08:15	08/12/25 13:05	PB169205

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	185		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	180		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.3		32 - 144	121%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.5		32 - 175	112%	SPK: 20

Comments:

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	BIN0009-DRIVEWAY-TP-SOUTH-EASTMS	SDG No.:	Q2818
Lab Sample ID:	Q2830-01MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86.9 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074311.D	1	08/12/25 08:15	08/12/25 13:37	PB169205

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	213		4.50	19.6	ug/kg
11104-28-2	Aroclor-1221	4.60	U	4.60	19.6	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.6	ug/kg
53469-21-9	Aroclor-1242	4.60	U	4.60	19.6	ug/kg
12672-29-6	Aroclor-1248	6.80	U	6.80	19.6	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.6	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	19.6	ug/kg
11100-14-4	Aroclor-1268	4.10	U	4.10	19.6	ug/kg
11096-82-5	Aroclor-1260	181		3.70	19.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.5		32 - 144	117%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.9		32 - 175	100%	SPK: 20

Comments:

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

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	BIN0009-DRIVEWAY-TP-SOUTH-EASTMSD	SDG No.:	Q2818
Lab Sample ID:	Q2830-01MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86.9 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
PP074312.D	1	08/12/25 08:15	08/12/25 13:53	PB169205

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	219		4.50	19.5	ug/kg
11104-28-2	Aroclor-1221	4.60	U	4.60	19.5	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.5	ug/kg
53469-21-9	Aroclor-1242	4.60	U	4.60	19.5	ug/kg
12672-29-6	Aroclor-1248	6.80	U	6.80	19.5	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.5	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	19.5	ug/kg
11100-14-4	Aroclor-1268	4.10	U	4.10	19.5	ug/kg
11096-82-5	Aroclor-1260	188		3.70	19.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.3		32 - 144	116%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.9		32 - 175	99%	SPK: 20

Comments:

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

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

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_O
Contract: EARTH03
SDG NO.: Q2818
Calibration Date(s): 07/23/2025 07/23/2025
Calibration Times: 11:32 19:47

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PO112414.D RT 750 = PO112415.D
RT 500 = PO112416.D RT 250 = PO112417.D RT 050 = PO112418.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.76	4.75	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1016-2	(2)	4.78	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Aroclor-1016-3	(3)	4.83	4.83	4.83	4.83	4.83	4.83	4.73	4.93
Aroclor-1016-4	(4)	4.95	4.95	4.95	4.95	4.95	4.95	4.85	5.05
Aroclor-1016-5	(5)	5.21	5.21	5.21	5.21	5.21	5.21	5.11	5.31
Aroclor-1260-1	(1)	6.25	6.24	6.25	6.24	6.25	6.24	6.14	6.34
Aroclor-1260-2	(2)	6.44	6.43	6.43	6.43	6.43	6.43	6.33	6.53
Aroclor-1260-3	(3)	6.80	6.80	6.80	6.80	6.80	6.80	6.70	6.90
Aroclor-1260-4	(4)	7.06	7.06	7.06	7.06	7.06	7.06	6.96	7.16
Aroclor-1260-5	(5)	7.30	7.30	7.30	7.30	7.30	7.30	7.20	7.40
Decachlorobiphenyl		8.70	8.69	8.69	8.69	8.69	8.69	8.59	8.79
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1242-1	(1)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1242-2	(2)	4.78	4.77	4.77	4.77	4.78	4.78	4.68	4.88
Aroclor-1242-3	(3)	4.83	4.83	4.83	4.83	4.83	4.83	4.73	4.93
Aroclor-1242-4	(4)	4.95	4.95	4.95	4.95	4.95	4.95	4.85	5.05
Aroclor-1242-5	(5)	5.60	5.60	5.60	5.60	5.60	5.60	5.50	5.70
Decachlorobiphenyl		8.69	8.69	8.69	8.69	8.70	8.69	8.59	8.79
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1248-1	(1)	4.76	4.76	4.75	4.76	4.76	4.76	4.66	4.86
Aroclor-1248-2	(2)	4.99	4.99	4.99	4.99	5.00	4.99	4.89	5.09
Aroclor-1248-3	(3)	5.21	5.21	5.21	5.21	5.21	5.21	5.11	5.31
Aroclor-1248-4	(4)	5.56	5.56	5.56	5.56	5.56	5.56	5.46	5.66
Aroclor-1248-5	(5)	5.60	5.60	5.60	5.60	5.60	5.60	5.50	5.70
Decachlorobiphenyl		8.69	8.69	8.69	8.70	8.69	8.69	8.59	8.79
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1254-1	(1)	5.56	5.56	5.56	5.56	5.56	5.56	5.46	5.66
Aroclor-1254-2	(2)	5.71	5.71	5.71	5.71	5.71	5.71	5.61	5.81
Aroclor-1254-3	(3)	6.11	6.11	6.11	6.11	6.11	6.11	6.01	6.21
Aroclor-1254-4	(4)	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Aroclor-1254-5	(5)	6.76	6.76	6.76	6.76	6.76	6.76	6.66	6.86
Decachlorobiphenyl		8.69	8.69	8.70	8.69	8.69	8.69	8.59	8.79
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1268-1	(1)	7.59	7.59	7.59	7.58	7.59	7.59	7.49	7.69
Aroclor-1268-2	(2)	7.65	7.65	7.65	7.65	7.65	7.65	7.55	7.75
Aroclor-1268-3	(3)	7.86	7.86	7.86	7.86	7.86	7.86	7.76	7.96
Aroclor-1268-4	(4)	8.15	8.15	8.15	8.14	8.15	8.15	8.05	8.25
Aroclor-1268-5	(5)	8.44	8.44	8.44	8.44	8.44	8.44	8.34	8.54

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.70	8.70	8.70	8.69	8.70	8.70	8.60	8.80
Tetrachloro-m-xylene	3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Instrument ID: ECD_O **Calibration Date(s):** 07/23/2025 07/23/2025

Calibration Times: 11:32 19:47

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PO112414.D RT 750 = PO112415.D

RT 500 = PO112416.D RT 250 = PO112417.D RT 050 = PO112418.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Aroclor-1016-2	(2)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1016-3	(3)	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Aroclor-1016-4	(4)	4.97	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Aroclor-1016-5	(5)	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
Aroclor-1260-1	(1)	6.21	6.21	6.21	6.21	6.21	6.21	6.11	6.31
Aroclor-1260-2	(2)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Aroclor-1260-3	(3)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1260-4	(4)	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aroclor-1260-5	(5)	7.27	7.26	7.26	7.26	7.27	7.26	7.16	7.36
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1242-1	(1)	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Aroclor-1242-2	(2)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1242-3	(3)	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Aroclor-1242-4	(4)	5.02	5.02	5.02	5.02	5.02	5.02	4.92	5.12
Aroclor-1242-5	(5)	5.53	5.53	5.53	5.53	5.54	5.53	5.43	5.63
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1248-1	(1)	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Aroclor-1248-2	(2)	4.97	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Aroclor-1248-3	(3)	5.02	5.02	5.02	5.02	5.02	5.02	4.92	5.12
Aroclor-1248-4	(4)	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
Aroclor-1248-5	(5)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1254-1	(1)	5.54	5.54	5.54	5.53	5.53	5.54	5.44	5.64
Aroclor-1254-2	(2)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1254-3	(3)	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Aroclor-1254-4	(4)	6.31	6.31	6.31	6.31	6.31	6.31	6.21	6.41
Aroclor-1254-5	(5)	6.73	6.73	6.73	6.73	6.73	6.73	6.63	6.83
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1268-1	(1)	7.55	7.55	7.55	7.55	7.55	7.55	7.45	7.65
Aroclor-1268-2	(2)	7.61	7.61	7.61	7.61	7.61	7.61	7.51	7.71
Aroclor-1268-3	(3)	7.82	7.82	7.82	7.82	7.82	7.82	7.72	7.92
Aroclor-1268-4	(4)	8.10	8.10	8.10	8.10	8.10	8.10	8.00	8.20
Aroclor-1268-5	(5)	8.39	8.39	8.39	8.39	8.39	8.39	8.29	8.49

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene	3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_O

Contract: EARTH03
SDG NO.: Q2818
Calibration Date(s): 07/23/2025 07/23/2025
Calibration Times: 11:32 19:47

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID: CF 1000 = PO112414.D CF 750 = PO112415.D
CF 500 = PO112416.D CF 250 = PO112417.D CF 050 = PO112418.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	281481703	285148303	290849518	279501268	204848240	268365806	13
Aroclor-1016-2	(2)	418001550	431852928	433849136	420704900	326178800	406117463	11
Aroclor-1016-3	(3)	263638281	273794351	273610504	262887848	234438940	261673985	6
Aroclor-1016-4	(4)	216165184	219268720	223332708	213740540	186700200	211841470	6
Aroclor-1016-5	(5)	221113370	228268088	233867428	235369996	178734160	219470608	10
Aroclor-1260-1	(1)	431773857	450001749	476240286	447612572	391026880	439331069	7
Aroclor-1260-2	(2)	673380136	698254531	722944530	686506064	658383800	687893812	3
Aroclor-1260-3	(3)	611274773	627246767	610311884	614713140	476551180	588019549	10
Aroclor-1260-4	(4)	447285263	461047633	473248904	505121600	368319820	451004644	11
Aroclor-1260-5	(5)	1262689005	1283961461	1337121492	1347466800	964454900	1239138732	12
Decachlorobiphenyl		7456684020	7676252293	7829495380	7672255680	5924316000	7311800675	11
Tetrachloro-m-xylene		8554863660	8750848067	8754072420	8314620000	6283438800	8131568589	13
Aroclor-1242-1	(1)	256299409	259568919	260660454	265097176	196334180	247592028	11
Aroclor-1242-2	(2)	381137122	387088803	391556862	393536916	295648160	369793573	11
Aroclor-1242-3	(3)	241769617	246476011	248315054	252195680	194532760	236657824	10
Aroclor-1242-4	(4)	195717021	198363989	201564902	203398396	172348620	194278586	6
Aroclor-1242-5	(5)	215656431	220174447	229182990	229543836	175020200	213915581	10
Decachlorobiphenyl		8000645330	8037989413	8087967020	8086832920	6389983800	7720683697	10
Tetrachloro-m-xylene		9125652230	9195232120	9219491440	9207437080	6341808000	8617924174	15
Aroclor-1248-1	(1)	189314500	193406379	198364040	203445536	151513120	187208715	10
Aroclor-1248-2	(2)	257058197	266019899	270572928	278752472	203158020	255112303	11
Aroclor-1248-3	(3)	329824745	342687100	350417966	364320620	331255900	343701266	4
Aroclor-1248-4	(4)	503150480	523568551	540549606	563745892	409374460	508077798	11
Aroclor-1248-5	(5)	346508966	363261911	374337920	392493440	271353380	349591123	13
Decachlorobiphenyl		7900018490	8086308400	8195171040	8262080520	6143274400	7717370570	12
Tetrachloro-m-xylene		8946590960	9189061507	9273186240	9357342160	6567561400	8666748453	14
Aroclor-1254-1	(1)	525205609	551869540	568048078	599161796	500508140	548958633	7
Aroclor-1254-2	(2)	467389736	490253857	501431616	531267632	439250900	485918748	7
Aroclor-1254-3	(3)	736681841	765368536	778116616	788008044	653257120	744286431	7
Aroclor-1254-4	(4)	537295054	560529123	571244926	572391952	507057560	549703723	5
Aroclor-1254-5	(5)	713157717	729355651	738947588	743850736	613809420	707824222	7
Decachlorobiphenyl		7810644110	7988158653	8118440840	8069654680	6321650600	7661709777	10
Tetrachloro-m-xylene		8477893750	8928798520	9019842540	9077508800	7004909800	8501790682	10
Aroclor-1268-1	(1)	1805209287	1836925397	1850534848	1852730580	1410311920	1751142406	10

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1523811042	1548194379	1559255960	1566806172	1167050180	1473023547	11
Aroclor-1268-3	(3)	1298638460	1316156257	1333295814	1329215988	983852920	1252231888	11
Aroclor-1268-4	(4)	502325303	515160189	514467028	515975792	361392800	481864222	13
Aroclor-1268-5	(5)	3537850645	3568750916	3561527908	3536594816	2581136540	3357172165	12
Decachlorobiphenyl		14538757830	14683927053	14777305700	14801547680	10962984400	13952904533	12
Tetrachloro-m-xylene		8916461140	9229914440	9271431040	9355148600	6516020600	8657795164	14

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_O

Contract: EARTH03
SDG NO.: Q2818
Calibration Date(s): 07/23/2025 07/23/2025
Calibration Times: 11:32 19:47

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: CF 1000 = PO112414.D CF 750 = PO112415.D
CF 500 = PO112416.D CF 250 = PO112417.D CF 050 = PO112418.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	171399488	177928739	180256326	179838608	165612060	175007044	3
Aroclor-1016-2	(2)	254283756	266059885	273532534	272267680	236331280	260495027	6
Aroclor-1016-3	(3)	134555314	139369485	142347070	141007248	122553240	135966471	6
Aroclor-1016-4	(4)	106915956	111683577	115661150	118698688	102464540	111084782	6
Aroclor-1016-5	(5)	139169322	144750759	147937312	152336452	132321220	143303013	5
Aroclor-1260-1	(1)	240286237	254043527	261134446	258041412	229050000	248511124	5
Aroclor-1260-2	(2)	317223235	329626419	335041102	340620804	324956000	329493512	3
Aroclor-1260-3	(3)	256241072	262701627	269297872	275910760	220454080	256921082	8
Aroclor-1260-4	(4)	185740526	193469844	197255514	200936168	179151380	191310686	4
Aroclor-1260-5	(5)	419199446	421594747	433075366	434815624	352283180	412193673	8
Decachlorobiphenyl		1753295660	1820833173	1877801640	1892185680	1491444000	1767112031	9
Tetrachloro-m-xylene		5169666700	5314856493	5330554580	5111206560	3919594600	4969175787	12
Aroclor-1242-1	(1)	153645977	158282413	162201976	169125204	148714620	158394038	5
Aroclor-1242-2	(2)	230553136	236233123	241816698	253231308	206497880	233666429	7
Aroclor-1242-3	(3)	120997871	124593004	126633224	130347852	103373540	121189098	8
Aroclor-1242-4	(4)	116921071	120755713	124229780	129097232	122693120	122739383	3
Aroclor-1242-5	(5)	154482444	160907067	167116390	163960092	158390400	160971279	3
Decachlorobiphenyl		1831604040	1871840933	1924104720	1967119920	1579850400	1834904003	8
Tetrachloro-m-xylene		5483238770	5543459253	5573552360	5630865680	4061456200	5258514453	13
Aroclor-1248-1	(1)	116797575	121746903	126835386	132022196	110144520	121509316	7
Aroclor-1248-2	(2)	161755092	168905528	175846314	185366264	154525280	169279696	7
Aroclor-1248-3	(3)	170672394	178220732	184519824	194073912	160748960	177647164	7
Aroclor-1248-4	(4)	202462025	210645355	219142380	229572292	179950700	208354550	9
Aroclor-1248-5	(5)	207118457	216119221	227433754	242834452	180319280	214765033	10
Decachlorobiphenyl		1836524820	1878481893	1941164520	1982063240	1517022000	1831051295	10
Tetrachloro-m-xylene		5362990180	5502770333	5558036420	5629888520	4177350800	5246207251	12
Aroclor-1254-1	(1)	308086628	324598995	339171148	360746064	310502200	328621007	6
Aroclor-1254-2	(2)	269579969	283423153	295499466	318260532	280690420	289490708	6
Aroclor-1254-3	(3)	411643535	427646563	444183030	462345912	391487940	427461396	6
Aroclor-1254-4	(4)	256982627	269810957	279068642	286892132	272060980	272963068	4
Aroclor-1254-5	(5)	324913084	333876627	346327314	357344936	307636300	334019652	5
Decachlorobiphenyl		1794065640	1872151533	1910898600	1948005080	1573949600	1819814091	8
Tetrachloro-m-xylene		5135321880	5340323933	5419556800	5524764520	4404208000	5164835027	9
Aroclor-1268-1	(1)	514567345	516695037	532735372	551455976	473857920	517862330	5

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	421574479	425971267	436618852	454509592	386645480	425063934	6
Aroclor-1268-3	(3)	318758782	324505707	331241876	345977680	285851460	321267101	7
Aroclor-1268-4	(4)	111516853	115705837	114796592	121616720	92841800	111295560	9
Aroclor-1268-5	(5)	742715083	756736297	758808540	780432416	619995020	731737471	8
Decachlorobiphenyl		3224484190	3300929360	3351395200	3481054400	2726789400	3216930510	9
Tetrachloro-m-xylene		5326223920	5511724707	5541913900	5672741280	4190979000	5248716561	12

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Instrument ID: ECD_O **Date(s) Analyzed:** 07/23/2025 07/23/2025

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.88	3.78	3.98	96659600
		2	3.97	3.87	4.07	71862000
		3	4.04	3.94	4.14	237712000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.04	3.94	4.14	186979000
		2	4.54	4.44	4.64	107625000
		3	4.78	4.68	4.88	206800000
		4	4.95	4.85	5.05	104740000
		5	4.99	4.89	5.09	67880800
Aroclor-1262	500	1	6.80	6.70	6.90	929208000
		2	7.30	7.20	7.40	1487020000
		3	7.59	7.49	7.69	590252000
		4	7.65	7.55	7.75	994166000
		5	8.15	8.05	8.25	434062000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Instrument ID: ECD_O **Date(s) Analyzed:** 07/23/2025 07/23/2025

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.87	3.77	3.97	67265800
		2	3.96	3.86	4.06	50728000
		3	4.03	3.93	4.13	158529000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.03	3.93	4.13	126550000
		2	4.76	4.66	4.86	131155000
		3	4.93	4.83	5.03	67196800
		4	5.02	4.92	5.12	59829000
		5	5.19	5.09	5.29	65203000
Aroclor-1262	500	1	6.77	6.67	6.87	414828000
		2	7.27	7.17	7.37	515546000
		3	7.55	7.45	7.65	186525000
		4	7.61	7.51	7.71	288104000
		5	8.10	8.00	8.20	99503400

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_P
Contract: EARTH03
SDG NO.: Q2818
Calibration Date(s): 08/01/2025 08/01/2025
Calibration Times: 12:05 20:28

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PP074168.D RT 750 = PP074169.D
RT 500 = PP074170.D RT 250 = PP074171.D RT 050 = PP074172.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.81	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Aroclor-1016-2	(2)	5.83	5.84	5.83	5.83	5.84	5.83	5.73	5.93
Aroclor-1016-3	(3)	5.90	5.90	5.90	5.90	5.90	5.90	5.80	6.00
Aroclor-1016-4	(4)	5.99	6.00	5.99	5.99	5.99	5.99	5.89	6.09
Aroclor-1016-5	(5)	6.29	6.29	6.29	6.28	6.29	6.29	6.19	6.39
Aroclor-1260-1	(1)	7.40	7.41	7.40	7.40	7.40	7.40	7.30	7.50
Aroclor-1260-2	(2)	7.66	7.66	7.66	7.65	7.66	7.66	7.56	7.76
Aroclor-1260-3	(3)	8.01	8.02	8.01	8.01	8.02	8.01	7.91	8.11
Aroclor-1260-4	(4)	8.24	8.24	8.24	8.24	8.24	8.24	8.14	8.34
Aroclor-1260-5	(5)	8.57	8.57	8.57	8.57	8.57	8.57	8.47	8.67
Decachlorobiphenyl		10.44	10.44	10.44	10.44	10.44	10.44	10.34	10.54
Tetrachloro-m-xylene		4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1242-1	(1)	5.81	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Aroclor-1242-2	(2)	5.83	5.84	5.83	5.83	5.83	5.83	5.73	5.93
Aroclor-1242-3	(3)	5.90	5.90	5.89	5.90	5.90	5.90	5.80	6.00
Aroclor-1242-4	(4)	5.99	6.00	5.99	5.99	5.99	5.99	5.89	6.09
Aroclor-1242-5	(5)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Decachlorobiphenyl		10.44	10.44	10.43	10.44	10.43	10.44	10.34	10.54
Tetrachloro-m-xylene		4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1254-1	(1)	6.66	6.66	6.66	6.66	6.66	6.66	6.56	6.76
Aroclor-1254-2	(2)	6.88	6.87	6.87	6.87	6.87	6.87	6.77	6.97
Aroclor-1254-3	(3)	7.24	7.24	7.24	7.24	7.23	7.24	7.14	7.34
Aroclor-1254-4	(4)	7.52	7.52	7.52	7.52	7.52	7.52	7.42	7.62
Aroclor-1254-5	(5)	7.93	7.93	7.93	7.93	7.93	7.93	7.83	8.03
Decachlorobiphenyl		10.43	10.43	10.43	10.43	10.43	10.43	10.33	10.53
Tetrachloro-m-xylene		4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_P
Contract: EARTH03
SDG NO.: Q2818
Calibration Date(s): 08/01/2025 08/01/2025
Calibration Times: 12:05 20:28

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PP074168.D RT 750 = PP074169.D
RT 500 = PP074170.D RT 250 = PP074171.D RT 050 = PP074172.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.91	4.90	4.91	4.91	4.91	4.91	4.81	5.01
Aroclor-1016-2	(2)	4.96	4.96	4.96	4.97	4.97	4.96	4.86	5.06
Aroclor-1016-3	(3)	5.08	5.08	5.08	5.09	5.08	5.08	4.98	5.18
Aroclor-1016-4	(4)	5.12	5.12	5.12	5.13	5.12	5.12	5.02	5.22
Aroclor-1016-5	(5)	5.34	5.34	5.34	5.34	5.34	5.34	5.24	5.44
Aroclor-1260-1	(1)	6.56	6.55	6.56	6.56	6.56	6.56	6.46	6.66
Aroclor-1260-2	(2)	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
Aroclor-1260-3	(3)	6.92	6.92	6.92	6.92	6.92	6.92	6.82	7.02
Aroclor-1260-4	(4)	7.18	7.18	7.18	7.18	7.18	7.18	7.08	7.28
Aroclor-1260-5	(5)	7.42	7.42	7.42	7.42	7.42	7.42	7.32	7.52
Decachlorobiphenyl		8.83	8.83	8.83	8.83	8.83	8.83	8.73	8.93
Tetrachloro-m-xylene		3.81	3.80	3.81	3.81	3.80	3.81	3.71	3.91
Aroclor-1242-1	(1)	4.91	4.90	4.91	4.91	4.90	4.91	4.81	5.01
Aroclor-1242-2	(2)	4.96	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1242-3	(3)	5.08	5.08	5.08	5.08	5.08	5.08	4.98	5.18
Aroclor-1242-4	(4)	5.16	5.16	5.16	5.17	5.16	5.16	5.06	5.26
Aroclor-1242-5	(5)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Decachlorobiphenyl		8.83	8.82	8.83	8.82	8.82	8.82	8.72	8.92
Tetrachloro-m-xylene		3.80	3.80	3.81	3.81	3.80	3.80	3.70	3.90
Aroclor-1254-1	(1)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1254-2	(2)	5.84	5.84	5.83	5.83	5.84	5.84	5.74	5.94
Aroclor-1254-3	(3)	6.24	6.24	6.24	6.24	6.24	6.24	6.14	6.34
Aroclor-1254-4	(4)	6.46	6.46	6.46	6.46	6.46	6.46	6.36	6.56
Aroclor-1254-5	(5)	6.88	6.88	6.88	6.88	6.88	6.88	6.78	6.98
Decachlorobiphenyl		8.82	8.82	8.82	8.82	8.82	8.82	8.72	8.92
Tetrachloro-m-xylene		3.81	3.80	3.80	3.80	3.80	3.80	3.70	3.90

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Instrument ID: ECD_P **Calibration Date(s):** 08/01/2025 08/01/2025

Calibration Times: 12:05 20:28

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID: CF 1000 = PP074168.D CF 750 = PP074169.D

CF 500 = PP074170.D CF 250 = PP074171.D CF 050 = PP074172.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	35273925	37423669	39112938	43859036	50614460	41256806	14
Aroclor-1016-2	(2)	51795728	55199127	58347288	64689960	73676540	60741729	13
Aroclor-1016-3	(3)	33422245	35685564	37869938	42702196	48622620	39660513	14
Aroclor-1016-4	(4)	27792815	29586895	31487664	35862436	37992560	32544474	12
Aroclor-1016-5	(5)	27690329	29450228	31441930	35606544	38151200	32468046	13
Aroclor-1260-1	(1)	47709498	50888675	54142460	59119820	69919860	56356063	15
Aroclor-1260-2	(2)	56508230	60166887	63913596	71401348	88771760	68152364	18
Aroclor-1260-3	(3)	45067030	48123128	50650728	57005548	65633220	53295931	14
Aroclor-1260-4	(4)	54035441	57066597	60264502	66664376	75043960	62614975	13
Aroclor-1260-5	(5)	97992993	102942959	107738868	117332464	140517260	113304909	14
Decachlorobiphenyl		852434670	894679120	940440840	1016872040	1151380600	971161454	12
Tetrachloro-m-xylene		994587660	1038636867	1076051520	1154524400	1327726000	1118305289	12
Aroclor-1242-1	(1)	31512428	33419607	35918512	39696020	45782500	37265813	14
Aroclor-1242-2	(2)	47421171	49356251	53063334	57890692	64313200	54408930	12
Aroclor-1242-3	(3)	30290298	32076312	34724744	38188808	43399140	35735860	14
Aroclor-1242-4	(4)	25177060	26633319	28691812	30950152	34640880	29218645	12
Aroclor-1242-5	(5)	29128304	32087727	34406488	38696772	43470800	35558018	15
Decachlorobiphenyl		880786000	919506067	984418560	1056643120	1205252000	1009321149	13
Tetrachloro-m-xylene		1043240650	1075688493	1133074840	1202593000	1370780600	1165075517	11
Aroclor-1254-1	(1)	49559228	49811068	53907260	53993024	55934640	52641044	5
Aroclor-1254-2	(2)	70079706	72686637	78166692	86577056	90012700	79504558	10
Aroclor-1254-3	(3)	76495408	79340601	84479860	93420496	102844700	87316213	12
Aroclor-1254-4	(4)	57834344	59926583	63428804	69599176	68258480	63809477	8
Aroclor-1254-5	(5)	73335985	76078215	80654566	88040632	87614400	81144760	8
Decachlorobiphenyl		901613940	929059080	979122040	1057269880	1005303000	974473588	6
Tetrachloro-m-xylene		1055318110	1070331613	1114290760	1189360720	1187072000	1123274641	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_P

Contract: EARTH03
SDG NO.: Q2818
Calibration Date(s): 08/01/2025 08/01/2025
Calibration Times: 12:05 20:28

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: CF 1000 = PP074168.D CF 750 = PP074169.D
CF 500 = PP074170.D CF 250 = PP074171.D CF 050 = PP074172.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	401748995	398824608	399912360	403735356	390215520	398887368	1
Aroclor-1016-2	(2)	186854426	192495525	187577416	198284052	173833620	187809008	5
Aroclor-1016-3	(3)	104048217	106580327	106062448	114925596	98731580	106069634	5
Aroclor-1016-4	(4)	102945349	106576167	111089380	109624088	115865320	109220061	4
Aroclor-1016-5	(5)	116097268	118066511	118643196	118883084	113126240	116963260	2
Aroclor-1260-1	(1)	398303416	397444124	405725820	438106428	380206020	403957162	5
Aroclor-1260-2	(2)	301304557	308158192	308266150	305734868	340030740	312698901	5
Aroclor-1260-3	(3)	408378449	417603121	404068616	383320072	357221180	394118288	6
Aroclor-1260-4	(4)	295359710	299954812	306136602	280781712	272663920	290979351	4
Aroclor-1260-5	(5)	811772813	805780147	794112086	732491376	642892660	757409816	9
Decachlorobiphenyl		6091085760	6145498480	6064775080	5991469080	5775302800	6013626240	2
Tetrachloro-m-xylene		4204747790	4209506627	3997167900	3658659200	3102045200	3834425343	12
Aroclor-1242-1	(1)	341272725	348537165	356175586	358260688	321457320	345140697	4
Aroclor-1242-2	(2)	162660327	171629959	165033416	168697644	148866940	163377657	5
Aroclor-1242-3	(3)	93075141	96957855	92088854	97223352	81897380	92248516	6
Aroclor-1242-4	(4)	117292839	116784915	126377070	120581608	116071680	119421622	3
Aroclor-1242-5	(5)	140731652	152438257	148354640	155481924	150793560	149560007	4
Decachlorobiphenyl		6182103300	6198353267	6343202860	6254049920	5638925600	6123326989	5
Tetrachloro-m-xylene		4380731720	4319851627	4244718880	3977934440	3138312200	4012309773	13
Aroclor-1254-1	(1)	384557283	361450625	385081202	377494716	322325960	366181957	7
Aroclor-1254-2	(2)	284389782	276601852	284135592	290728916	255228600	278216948	5
Aroclor-1254-3	(3)	520239168	520693099	508814756	526662268	369647720	489211402	13
Aroclor-1254-4	(4)	378053305	389619320	377098978	394351108	298703960	367565334	10
Aroclor-1254-5	(5)	425051302	410967521	398226716	393575444	298014540	385167105	12
Decachlorobiphenyl		6206832720	6179384467	6118770460	6279475360	4842174000	5925327401	10
Tetrachloro-m-xylene		4358828150	4220486587	4040036280	3680489520	2529500800	3765868267	20

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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Instrument ID: ECD_P **Date(s) Analyzed:** 08/01/2025 08/01/2025

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	4.86	4.76	4.96	16763600
		2	4.94	4.84	5.04	12601100
		3	5.02	4.92	5.12	36635200
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	5.02	4.92	5.12	29037400
		2	5.55	5.45	5.65	15042700
		3	5.83	5.73	5.93	29001800
		4	5.99	5.89	6.09	15468800
		5	6.08	5.98	6.18	11716000
Aroclor-1248	500	1	5.81	5.71	5.91	28382600
		2	6.08	5.98	6.18	40187600
		3	6.28	6.18	6.38	44640800
		4	6.68	6.58	6.78	51582200
		5	6.72	6.62	6.82	53240200
Aroclor-1262	500	1	8.24	8.14	8.34	75789600
		2	8.56	8.46	8.66	130430000
		3	8.89	8.79	8.99	94070800
		4	8.97	8.87	9.07	72851600
		5	9.65	9.55	9.75	50922600
Aroclor-1268	500	1	8.88	8.78	8.98	158028000
		2	8.98	8.88	9.08	146028000
		3	9.22	9.12	9.32	121402000
		4	9.64	9.54	9.74	59648200
		5	10.08	9.98	10.18	357940000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Instrument ID: ECD_P **Date(s) Analyzed:** 08/01/2025 08/01/2025

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	49085200
		2	4.10	4.00	4.20	35889400
		3	4.18	4.08	4.28	135225000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.18	4.08	4.28	101362000
		2	4.90	4.80	5.00	174266000
		3	5.08	4.98	5.18	45816600
		4	5.16	5.06	5.26	58010800
		5	5.34	5.24	5.44	46979400
Aroclor-1248	500	1	4.90	4.80	5.00	223628000
		2	5.12	5.02	5.22	147770000
		3	5.16	5.06	5.26	179546000
		4	5.34	5.24	5.44	167057000
		5	5.73	5.63	5.83	302782000
Aroclor-1262	500	1	6.92	6.82	7.02	563142000
		2	7.18	7.08	7.28	401024000
		3	7.70	7.60	7.80	359470000
		4	7.76	7.66	7.86	666922000
		5	8.26	8.16	8.36	283268000
Aroclor-1268	500	1	7.70	7.60	7.80	1169220000
		2	7.76	7.66	7.86	1148130000
		3	7.97	7.87	8.07	891866000
		4	8.26	8.16	8.36	329470000
		5	8.56	8.46	8.66	2772300000

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Continuing Calib Date: 08/12/2025 **Initial Calibration Date(s):** 07/23/2025 07/23/2025

Continuing Calib Time: 08:54 **Initial Calibration Time(s):** 11:32 19:47

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.75	4.76	4.66	4.86	0.01
Aroclor-1016-2	(2)	4.77	4.77	4.67	4.87	0.00
Aroclor-1016-3	(3)	4.83	4.83	4.73	4.93	0.00
Aroclor-1016-4	(4)	4.95	4.95	4.85	5.05	0.00
Aroclor-1016-5	(5)	5.20	5.21	5.11	5.31	0.01
Aroclor-1260-1	(1)	6.24	6.25	6.15	6.35	0.01
Aroclor-1260-2	(2)	6.43	6.43	6.33	6.53	0.00
Aroclor-1260-3	(3)	6.79	6.80	6.70	6.90	0.01
Aroclor-1260-4	(4)	7.05	7.06	6.96	7.16	0.01
Aroclor-1260-5	(5)	7.30	7.30	7.20	7.40	0.00
Tetrachloro-m-xylene		3.67	3.67	3.57	3.77	0.01
Decachlorobiphenyl		8.69	8.69	8.59	8.79	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Continuing Calib Date: 08/12/2025 **Initial Calibration Date(s):** 07/23/2025 07/23/2025

Continuing Calib Time: 08:54 **Initial Calibration Time(s):** 11:32 19:47

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.73	4.74	4.64	4.84	0.01
Aroclor-1016-2	(2)	4.75	4.76	4.66	4.86	0.01
Aroclor-1016-3	(3)	4.92	4.93	4.83	5.03	0.01
Aroclor-1016-4	(4)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-5	(5)	5.18	5.19	5.09	5.29	0.01
Aroclor-1260-1	(1)	6.21	6.21	6.11	6.31	0.00
Aroclor-1260-2	(2)	6.39	6.40	6.30	6.50	0.01
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.01
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.66	3.66	3.56	3.76	0.00
Decachlorobiphenyl		8.63	8.64	8.54	8.74	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/23/2025 07/23/2025

Client Sample No.: CCAL01 **Date Analyzed:** 08/12/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112850.D **Time Analyzed:** 08:54

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.750	4.655	4.855	651.000	500.000	30.2
Aroclor-1016-2	4.769	4.674	4.874	549.480	500.000	9.9
Aroclor-1016-3	4.826	4.731	4.931	565.780	500.000	13.2
Aroclor-1016-4	4.945	4.851	5.051	571.540	500.000	14.3
Aroclor-1016-5	5.202	5.108	5.308	574.860	500.000	15.0
Aroclor-1260-1	6.238	6.145	6.345	579.220	500.000	15.8
Aroclor-1260-2	6.428	6.333	6.533	547.500	500.000	9.5
Aroclor-1260-3	6.794	6.700	6.900	528.750	500.000	5.8
Aroclor-1260-4	7.053	6.959	7.159	498.850	500.000	-0.2
Aroclor-1260-5	7.296	7.203	7.403	553.130	500.000	10.6
Decachlorobiphenyl	8.686	8.593	8.793	46.550	50.000	-6.9
Tetrachloro-m-xylene	3.665	3.569	3.769	60.080	50.000	20.2

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/23/2025 07/23/2025

Client Sample No.: CCAL01 **Date Analyzed:** 08/12/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112850.D **Time Analyzed:** 08:54

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.731	4.638	4.838	532.580	500.000	6.5
Aroclor-1016-2	4.749	4.656	4.856	524.330	500.000	4.9
Aroclor-1016-3	4.924	4.831	5.031	531.470	500.000	6.3
Aroclor-1016-4	4.966	4.873	5.073	529.880	500.000	6.0
Aroclor-1016-5	5.179	5.085	5.285	523.970	500.000	4.8
Aroclor-1260-1	6.206	6.113	6.313	535.240	500.000	7.0
Aroclor-1260-2	6.394	6.302	6.502	538.810	500.000	7.8
Aroclor-1260-3	6.545	6.453	6.653	559.410	500.000	11.9
Aroclor-1260-4	7.015	6.923	7.123	530.130	500.000	6.0
Aroclor-1260-5	7.257	7.164	7.364	549.900	500.000	10.0
Decachlorobiphenyl	8.631	8.540	8.740	52.550	50.000	5.1
Tetrachloro-m-xylene	3.658	3.562	3.762	56.390	50.000	12.8

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Continuing Calib Date: 08/12/2025 **Initial Calibration Date(s):** 07/23/2025 07/23/2025

Continuing Calib Time: 15:50 **Initial Calibration Time(s):** 11:32 19:47

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.75	4.76	4.66	4.86	0.01
Aroclor-1016-2	(2)	4.77	4.77	4.67	4.87	0.00
Aroclor-1016-3	(3)	4.83	4.83	4.73	4.93	0.00
Aroclor-1016-4	(4)	4.95	4.95	4.85	5.05	0.00
Aroclor-1016-5	(5)	5.20	5.21	5.11	5.31	0.01
Aroclor-1260-1	(1)	6.24	6.25	6.15	6.35	0.01
Aroclor-1260-2	(2)	6.43	6.43	6.33	6.53	0.00
Aroclor-1260-3	(3)	6.80	6.80	6.70	6.90	0.00
Aroclor-1260-4	(4)	7.06	7.06	6.96	7.16	0.01
Aroclor-1260-5	(5)	7.30	7.30	7.20	7.40	0.00
Tetrachloro-m-xylene		3.67	3.67	3.57	3.77	0.00
Decachlorobiphenyl		8.69	8.69	8.59	8.79	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Continuing Calib Date: 08/12/2025 **Initial Calibration Date(s):** 07/23/2025 07/23/2025

Continuing Calib Time: 15:50 **Initial Calibration Time(s):** 11:32 19:47

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.73	4.74	4.64	4.84	0.01
Aroclor-1016-2	(2)	4.75	4.76	4.66	4.86	0.01
Aroclor-1016-3	(3)	4.93	4.93	4.83	5.03	0.00
Aroclor-1016-4	(4)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-5	(5)	5.18	5.19	5.09	5.29	0.01
Aroclor-1260-1	(1)	6.21	6.21	6.11	6.31	0.00
Aroclor-1260-2	(2)	6.40	6.40	6.30	6.50	0.00
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.00
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.66	3.66	3.56	3.76	0.00
Decachlorobiphenyl		8.63	8.64	8.54	8.74	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/23/2025 07/23/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/12/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112865.D **Time Analyzed:** 15:50

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.751	4.655	4.855	524.640	500.000	4.9
Aroclor-1016-2	4.769	4.674	4.874	553.430	500.000	10.7
Aroclor-1016-3	4.827	4.731	4.931	551.220	500.000	10.2
Aroclor-1016-4	4.947	4.851	5.051	550.720	500.000	10.1
Aroclor-1016-5	5.203	5.108	5.308	584.150	500.000	16.8
Aroclor-1260-1	6.240	6.145	6.345	550.350	500.000	10.1
Aroclor-1260-2	6.430	6.333	6.533	543.410	500.000	8.7
Aroclor-1260-3	6.795	6.700	6.900	570.950	500.000	14.2
Aroclor-1260-4	7.055	6.959	7.159	542.260	500.000	8.5
Aroclor-1260-5	7.297	7.203	7.403	529.970	500.000	6.0
Decachlorobiphenyl	8.687	8.593	8.793	48.970	50.000	-2.1
Tetrachloro-m-xylene	3.667	3.569	3.769	57.760	50.000	15.5

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/23/2025 07/23/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/12/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112865.D **Time Analyzed:** 15:50

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.734	4.638	4.838	522.080	500.000	4.4
Aroclor-1016-2	4.751	4.656	4.856	517.090	500.000	3.4
Aroclor-1016-3	4.926	4.831	5.031	516.260	500.000	3.3
Aroclor-1016-4	4.969	4.873	5.073	515.840	500.000	3.2
Aroclor-1016-5	5.181	5.085	5.285	527.110	500.000	5.4
Aroclor-1260-1	6.208	6.113	6.313	523.960	500.000	4.8
Aroclor-1260-2	6.396	6.302	6.502	531.850	500.000	6.4
Aroclor-1260-3	6.547	6.453	6.653	550.200	500.000	10.0
Aroclor-1260-4	7.017	6.923	7.123	543.780	500.000	8.8
Aroclor-1260-5	7.260	7.164	7.364	560.820	500.000	12.2
Decachlorobiphenyl	8.633	8.540	8.740	53.180	50.000	6.4
Tetrachloro-m-xylene	3.659	3.562	3.762	55.270	50.000	10.5

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Continuing Calib Date: 08/12/2025 **Initial Calibration Date(s):** 08/01/2025 08/01/2025

Continuing Calib Time: 09:51 **Initial Calibration Time(s):** 12:05 20:28

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)	5.81	5.81	5.71	5.91	0.00
Aroclor-1016-2	(2)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-3	(3)	5.89	5.90	5.80	6.00	0.01
Aroclor-1016-4	(4)	5.99	5.99	5.89	6.09	0.00
Aroclor-1016-5	(5)	6.28	6.29	6.19	6.39	0.01
Aroclor-1260-1	(1)	7.40	7.40	7.30	7.50	0.00
Aroclor-1260-2	(2)	7.65	7.66	7.56	7.76	0.01
Aroclor-1260-3	(3)	8.01	8.01	7.91	8.11	0.00
Aroclor-1260-4	(4)	8.24	8.24	8.14	8.34	0.00
Aroclor-1260-5	(5)	8.56	8.57	8.47	8.67	0.01
Tetrachloro-m-xylene		4.66	4.66	4.56	4.76	0.00
Decachlorobiphenyl		10.43	10.44	10.34	10.54	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Continuing Calib Date: 08/12/2025 **Initial Calibration Date(s):** 08/01/2025 08/01/2025

Continuing Calib Time: 09:51 **Initial Calibration Time(s):** 12:05 20:28

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.90	4.91	4.81	5.01	0.01
Aroclor-1016-2	(2)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-3	(3)	5.08	5.08	4.98	5.18	0.00
Aroclor-1016-4	(4)	5.12	5.12	5.02	5.22	0.00
Aroclor-1016-5	(5)	5.34	5.34	5.24	5.44	0.00
Aroclor-1260-1	(1)	6.55	6.56	6.46	6.66	0.01
Aroclor-1260-2	(2)	6.71	6.71	6.61	6.81	0.01
Aroclor-1260-3	(3)	6.92	6.92	6.82	7.02	0.01
Aroclor-1260-4	(4)	7.17	7.18	7.08	7.28	0.01
Aroclor-1260-5	(5)	7.41	7.42	7.32	7.52	0.01
Tetrachloro-m-xylene		3.80	3.81	3.71	3.91	0.01
Decachlorobiphenyl		8.82	8.83	8.73	8.93	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/01/2025 08/01/2025

Client Sample No.: CCAL03 **Date Analyzed:** 08/12/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074302.D **Time Analyzed:** 09:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.809	5.712	5.912	541.110	500.000	8.2
Aroclor-1016-2	5.830	5.733	5.933	542.210	500.000	8.4
Aroclor-1016-3	5.894	5.796	5.996	546.140	500.000	9.2
Aroclor-1016-4	5.990	5.893	6.093	549.740	500.000	9.9
Aroclor-1016-5	6.283	6.186	6.386	547.590	500.000	9.5
Aroclor-1260-1	7.400	7.303	7.503	520.400	500.000	4.1
Aroclor-1260-2	7.653	7.555	7.755	502.220	500.000	0.4
Aroclor-1260-3	8.010	7.913	8.113	510.120	500.000	2.0
Aroclor-1260-4	8.239	8.142	8.342	508.850	500.000	1.8
Aroclor-1260-5	8.564	8.468	8.668	488.630	500.000	-2.3
Decachlorobiphenyl	10.432	10.338	10.538	50.860	50.000	1.7
Tetrachloro-m-xylene	4.657	4.560	4.760	56.700	50.000	13.4

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/01/2025 08/01/2025

Client Sample No.: CCAL03 **Date Analyzed:** 08/12/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074302.D **Time Analyzed:** 09:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.901	4.806	5.006	583.180	500.000	16.6
Aroclor-1016-2	4.958	4.863	5.063	601.820	500.000	20.4
Aroclor-1016-3	5.080	4.983	5.183	578.000	500.000	15.6
Aroclor-1016-4	5.120	5.023	5.223	590.230	500.000	18.0
Aroclor-1016-5	5.335	5.239	5.439	592.640	500.000	18.5
Aroclor-1260-1	6.551	6.455	6.655	550.000	500.000	10.0
Aroclor-1260-2	6.705	6.609	6.809	554.960	500.000	11.0
Aroclor-1260-3	6.915	6.819	7.019	569.790	500.000	14.0
Aroclor-1260-4	7.174	7.079	7.279	581.890	500.000	16.4
Aroclor-1260-5	7.413	7.318	7.518	587.660	500.000	17.5
Decachlorobiphenyl	8.818	8.726	8.926	52.860	50.000	5.7
Tetrachloro-m-xylene	3.802	3.705	3.905	61.630	50.000	23.3

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Continuing Calib Date: 08/12/2025 **Initial Calibration Date(s):** 08/01/2025 08/01/2025

Continuing Calib Time: 15:48 **Initial Calibration Time(s):** 12:05 20:28

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.81	5.81	5.71	5.91	0.00
Aroclor-1016-2	(2)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-3	(3)	5.90	5.90	5.80	6.00	0.01
Aroclor-1016-4	(4)	5.99	5.99	5.89	6.09	0.00
Aroclor-1016-5	(5)	6.28	6.29	6.19	6.39	0.01
Aroclor-1260-1	(1)	7.40	7.40	7.30	7.50	0.00
Aroclor-1260-2	(2)	7.65	7.66	7.56	7.76	0.01
Aroclor-1260-3	(3)	8.01	8.01	7.91	8.11	0.00
Aroclor-1260-4	(4)	8.24	8.24	8.14	8.34	0.00
Aroclor-1260-5	(5)	8.57	8.57	8.47	8.67	0.01
Tetrachloro-m-xylene		4.66	4.66	4.56	4.76	0.00
Decachlorobiphenyl		10.44	10.44	10.34	10.54	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Continuing Calib Date: 08/12/2025 **Initial Calibration Date(s):** 08/01/2025 08/01/2025

Continuing Calib Time: 15:48 **Initial Calibration Time(s):** 12:05 20:28

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.90	4.91	4.81	5.01	0.01
Aroclor-1016-2	(2)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-3	(3)	5.08	5.08	4.98	5.18	0.00
Aroclor-1016-4	(4)	5.12	5.12	5.02	5.22	0.00
Aroclor-1016-5	(5)	5.33	5.34	5.24	5.44	0.01
Aroclor-1260-1	(1)	6.55	6.56	6.46	6.66	0.01
Aroclor-1260-2	(2)	6.71	6.71	6.61	6.81	0.00
Aroclor-1260-3	(3)	6.92	6.92	6.82	7.02	0.00
Aroclor-1260-4	(4)	7.18	7.18	7.08	7.28	0.00
Aroclor-1260-5	(5)	7.41	7.42	7.32	7.52	0.01
Tetrachloro-m-xylene		3.80	3.81	3.71	3.91	0.01
Decachlorobiphenyl		8.82	8.83	8.73	8.93	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/01/2025 08/01/2025

Client Sample No.: CCAL04 **Date Analyzed:** 08/12/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074316.D **Time Analyzed:** 15:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.811	5.712	5.912	556.880	500.000	11.4
Aroclor-1016-2	5.832	5.733	5.933	550.560	500.000	10.1
Aroclor-1016-3	5.895	5.796	5.996	559.440	500.000	11.9
Aroclor-1016-4	5.992	5.893	6.093	563.510	500.000	12.7
Aroclor-1016-5	6.284	6.186	6.386	554.850	500.000	11.0
Aroclor-1260-1	7.401	7.303	7.503	536.530	500.000	7.3
Aroclor-1260-2	7.654	7.555	7.755	517.500	500.000	3.5
Aroclor-1260-3	8.012	7.913	8.113	522.830	500.000	4.6
Aroclor-1260-4	8.240	8.142	8.342	532.940	500.000	6.6
Aroclor-1260-5	8.565	8.468	8.668	506.790	500.000	1.4
Decachlorobiphenyl	10.436	10.338	10.538	52.310	50.000	4.6
Tetrachloro-m-xylene	4.659	4.560	4.760	57.560	50.000	15.1

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/01/2025 08/01/2025

Client Sample No.: CCAL04 **Date Analyzed:** 08/12/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074316.D **Time Analyzed:** 15:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.903	4.806	5.006	585.540	500.000	17.1
Aroclor-1016-2	4.958	4.863	5.063	555.580	500.000	11.1
Aroclor-1016-3	5.081	4.983	5.183	591.090	500.000	18.2
Aroclor-1016-4	5.122	5.023	5.223	595.870	500.000	19.2
Aroclor-1016-5	5.334	5.239	5.439	590.590	500.000	18.1
Aroclor-1260-1	6.552	6.455	6.655	580.600	500.000	16.1
Aroclor-1260-2	6.706	6.609	6.809	568.790	500.000	13.8
Aroclor-1260-3	6.917	6.819	7.019	594.280	500.000	18.9
Aroclor-1260-4	7.175	7.079	7.279	583.960	500.000	16.8
Aroclor-1260-5	7.414	7.318	7.518	585.850	500.000	17.2
Decachlorobiphenyl	8.820	8.726	8.926	55.460	50.000	10.9
Tetrachloro-m-xylene	3.802	3.705	3.905	59.630	50.000	19.3

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Analytical Sequence

Client:	**Earth Engineering Inc.**	**SDG No.:**	**Q2818**
Project:	**Reserve Turgyan Farms**	**Instrument ID:**	**ECD_O**
GC Column:	**ZB-MR1** **ID: 0.32 (mm)**	**Inst. Calib. Date(s):**	**07/23/2025 07/23/2025**

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	07/23/2025	11:14	PO112413.D	8.69	3.67
AR1660ICC1000	AR1660ICC1000	07/23/2025	11:32	PO112414.D	8.70	3.67
AR1660ICC750	AR1660ICC750	07/23/2025	11:50	PO112415.D	8.69	3.67
AR1660ICC500	AR1660ICC500	07/23/2025	12:08	PO112416.D	8.69	3.67
AR1660ICC250	AR1660ICC250	07/23/2025	12:27	PO112417.D	8.69	3.67
AR1660ICC050	AR1660ICC050	07/23/2025	12:45	PO112418.D	8.69	3.67
AR1221ICC500	AR1221ICC500	07/23/2025	13:03	PO112419.D	8.69	3.67
AR1232ICC500	AR1232ICC500	07/23/2025	13:22	PO112420.D	8.69	3.67
AR1242ICC1000	AR1242ICC1000	07/23/2025	13:40	PO112421.D	8.69	3.67
AR1242ICC750	AR1242ICC750	07/23/2025	13:59	PO112422.D	8.69	3.67
AR1242ICC500	AR1242ICC500	07/23/2025	14:17	PO112423.D	8.69	3.67
AR1242ICC250	AR1242ICC250	07/23/2025	14:36	PO112424.D	8.69	3.67
AR1242ICC050	AR1242ICC050	07/23/2025	14:54	PO112425.D	8.70	3.67
AR1248ICC1000	AR1248ICC1000	07/23/2025	15:13	PO112426.D	8.69	3.67
AR1248ICC750	AR1248ICC750	07/23/2025	15:31	PO112427.D	8.69	3.67
AR1248ICC500	AR1248ICC500	07/23/2025	15:48	PO112428.D	8.69	3.67
AR1248ICC250	AR1248ICC250	07/23/2025	16:07	PO112429.D	8.70	3.67
AR1248ICC050	AR1248ICC050	07/23/2025	16:25	PO112430.D	8.69	3.67
AR1254ICC1000	AR1254ICC1000	07/23/2025	16:44	PO112431.D	8.69	3.67
AR1254ICC750	AR1254ICC750	07/23/2025	17:02	PO112432.D	8.69	3.67
AR1254ICC500	AR1254ICC500	07/23/2025	17:21	PO112433.D	8.70	3.67
AR1254ICC250	AR1254ICC250	07/23/2025	17:39	PO112434.D	8.69	3.67
AR1254ICC050	AR1254ICC050	07/23/2025	17:57	PO112435.D	8.69	3.67
AR1262ICC500	AR1262ICC500	07/23/2025	18:16	PO112436.D	8.70	3.67
AR1268ICC1000	AR1268ICC1000	07/23/2025	18:34	PO112437.D	8.70	3.67
AR1268ICC750	AR1268ICC750	07/23/2025	18:53	PO112438.D	8.70	3.67
AR1268ICC500	AR1268ICC500	07/23/2025	19:11	PO112439.D	8.70	3.67
AR1268ICC250	AR1268ICC250	07/23/2025	19:28	PO112440.D	8.69	3.67
AR1268ICC050	AR1268ICC050	07/23/2025	19:47	PO112441.D	8.70	3.67
AR1660CCC500	AR1660CCC500	08/12/2025	08:54	PO112850.D	8.69	3.67
I.BLK	I.BLK	08/12/2025	10:05	PO112854.D	8.69	3.66
B-2-5-1	Q2818-01	08/12/2025	12:50	PO112858.D	8.69	3.67
B-3-5-2	Q2818-02	08/12/2025	13:08	PO112859.D	8.69	3.67
AR1660CCC500	AR1660CCC500	08/12/2025	15:50	PO112865.D	8.69	3.67
I.BLK	I.BLK	08/12/2025	17:00	PO112869.D	8.69	3.67
I.BLK	I.BLK	08/01/2025	11:49	PP074167.D	10.44	4.66
AR1660ICC1000	AR1660ICC1000	08/01/2025	12:05	PP074168.D	10.44	4.66
AR1660ICC750	AR1660ICC750	08/01/2025	12:22	PP074169.D	10.44	4.66
AR1660ICC500	AR1660ICC500	08/01/2025	12:38	PP074170.D	10.44	4.66
AR1660ICC250	AR1660ICC250	08/01/2025	12:54	PP074171.D	10.44	4.66
AR1660ICC050	AR1660ICC050	08/01/2025	13:42	PP074172.D	10.44	4.66
AR1221ICC500	AR1221ICC500	08/01/2025	13:58	PP074173.D	10.44	4.66

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Analytical Sequence

AR1232ICC500	AR1232ICC500	08/01/2025	14:15	PP074174.D	10.44	4.66
AR1242ICC1000	AR1242ICC1000	08/01/2025	14:31	PP074175.D	10.44	4.66
AR1242ICC750	AR1242ICC750	08/01/2025	14:47	PP074176.D	10.44	4.66
AR1242ICC500	AR1242ICC500	08/01/2025	15:03	PP074177.D	10.43	4.66
AR1242ICC250	AR1242ICC250	08/01/2025	15:19	PP074178.D	10.44	4.66
AR1242ICC050	AR1242ICC050	08/01/2025	15:36	PP074179.D	10.43	4.66
AR1248ICC500	AR1248ICC500	08/01/2025	16:57	PP074182.D	10.43	4.66
AR1254ICC1000	AR1254ICC1000	08/01/2025	18:02	PP074185.D	10.43	4.66
AR1254ICC750	AR1254ICC750	08/01/2025	18:18	PP074186.D	10.43	4.66
AR1254ICC500	AR1254ICC500	08/01/2025	18:34	PP074187.D	10.43	4.66
AR1254ICC250	AR1254ICC250	08/01/2025	18:50	PP074188.D	10.43	4.66
AR1254ICC050	AR1254ICC050	08/01/2025	19:23	PP074189.D	10.43	4.66
AR1262ICC500	AR1262ICC500	08/01/2025	19:39	PP074190.D	10.43	4.66
AR1268ICC500	AR1268ICC500	08/01/2025	20:28	PP074193.D	10.43	4.66
AR1660CCC500	AR1660CCC500	08/12/2025	09:51	PP074302.D	10.43	4.66
I.BLK	I.BLK	08/12/2025	10:43	PP074305.D	10.44	4.66
PB169205BL	PB169205BL	08/12/2025	12:48	PP074308.D	10.44	4.66
PB169205BS	PB169205BS	08/12/2025	13:05	PP074309.D	10.44	4.66
BIN0009-DRIVEWAY-TP-SOUTH-EAST	Q2830-01MS	08/12/2025	13:37	PP074311.D	10.44	4.66
BIN0009-DRIVEWAY-TP-SOUTH-EAST	Q2830-01MSD	08/12/2025	13:53	PP074312.D	10.44	4.66
AR1660CCC500	AR1660CCC500	08/12/2025	15:48	PP074316.D	10.44	4.66
I.BLK	I.BLK	08/12/2025	16:53	PP074319.D	10.43	4.66

Alliance TECHNICAL GROUP
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Analytical Sequence

Client: Earth Engineering Inc. **SDG No.:** Q2818

Project: Reserve Turgyan Farms **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/23/2025 07/23/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	07/23/2025	11:14	PO112413.D	8.64	3.66
AR1660ICC1000	AR1660ICC1000	07/23/2025	11:32	PO112414.D	8.64	3.66
AR1660ICC750	AR1660ICC750	07/23/2025	11:50	PO112415.D	8.64	3.66
AR1660ICC500	AR1660ICC500	07/23/2025	12:08	PO112416.D	8.64	3.66
AR1660ICC250	AR1660ICC250	07/23/2025	12:27	PO112417.D	8.64	3.66
AR1660ICC050	AR1660ICC050	07/23/2025	12:45	PO112418.D	8.64	3.66
AR1221ICC500	AR1221ICC500	07/23/2025	13:03	PO112419.D	8.64	3.66
AR1232ICC500	AR1232ICC500	07/23/2025	13:22	PO112420.D	8.64	3.66
AR1242ICC1000	AR1242ICC1000	07/23/2025	13:40	PO112421.D	8.64	3.66
AR1242ICC750	AR1242ICC750	07/23/2025	13:59	PO112422.D	8.64	3.66
AR1242ICC500	AR1242ICC500	07/23/2025	14:17	PO112423.D	8.64	3.66
AR1242ICC250	AR1242ICC250	07/23/2025	14:36	PO112424.D	8.64	3.66
AR1242ICC050	AR1242ICC050	07/23/2025	14:54	PO112425.D	8.64	3.66
AR1248ICC1000	AR1248ICC1000	07/23/2025	15:13	PO112426.D	8.64	3.66
AR1248ICC750	AR1248ICC750	07/23/2025	15:31	PO112427.D	8.64	3.66
AR1248ICC500	AR1248ICC500	07/23/2025	15:48	PO112428.D	8.64	3.66
AR1248ICC250	AR1248ICC250	07/23/2025	16:07	PO112429.D	8.64	3.66
AR1248ICC050	AR1248ICC050	07/23/2025	16:25	PO112430.D	8.64	3.66
AR1254ICC1000	AR1254ICC1000	07/23/2025	16:44	PO112431.D	8.64	3.66
AR1254ICC750	AR1254ICC750	07/23/2025	17:02	PO112432.D	8.64	3.66
AR1254ICC500	AR1254ICC500	07/23/2025	17:21	PO112433.D	8.64	3.66
AR1254ICC250	AR1254ICC250	07/23/2025	17:39	PO112434.D	8.64	3.66
AR1254ICC050	AR1254ICC050	07/23/2025	17:57	PO112435.D	8.64	3.66
AR1262ICC500	AR1262ICC500	07/23/2025	18:16	PO112436.D	8.64	3.66
AR1268ICC1000	AR1268ICC1000	07/23/2025	18:34	PO112437.D	8.64	3.66
AR1268ICC750	AR1268ICC750	07/23/2025	18:53	PO112438.D	8.64	3.66
AR1268ICC500	AR1268ICC500	07/23/2025	19:11	PO112439.D	8.64	3.66
AR1268ICC250	AR1268ICC250	07/23/2025	19:28	PO112440.D	8.64	3.66
AR1268ICC050	AR1268ICC050	07/23/2025	19:47	PO112441.D	8.64	3.66
AR1660CCC500	AR1660CCC500	08/12/2025	08:54	PO112850.D	8.63	3.66
I.BLK	I.BLK	08/12/2025	10:05	PO112854.D	8.63	3.66
B-2-5-1	Q2818-01	08/12/2025	12:50	PO112858.D	8.63	3.66
B-3-5-2	Q2818-02	08/12/2025	13:08	PO112859.D	8.63	3.66
AR1660CCC500	AR1660CCC500	08/12/2025	15:50	PO112865.D	8.63	3.66
I.BLK	I.BLK	08/12/2025	17:00	PO112869.D	8.63	3.66
I.BLK	I.BLK	08/01/2025	11:49	PP074167.D	8.83	3.80
AR1660ICC1000	AR1660ICC1000	08/01/2025	12:05	PP074168.D	8.83	3.81
AR1660ICC750	AR1660ICC750	08/01/2025	12:22	PP074169.D	8.83	3.80
AR1660ICC500	AR1660ICC500	08/01/2025	12:38	PP074170.D	8.83	3.81
AR1660ICC250	AR1660ICC250	08/01/2025	12:54	PP074171.D	8.83	3.81
AR1660ICC050	AR1660ICC050	08/01/2025	13:42	PP074172.D	8.83	3.80
AR1221ICC500	AR1221ICC500	08/01/2025	13:58	PP074173.D	8.83	3.80

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Analytical Sequence

AR1232ICC500	AR1232ICC500	08/01/2025	14:15	PP074174.D	8.83	3.80
AR1242ICC1000	AR1242ICC1000	08/01/2025	14:31	PP074175.D	8.83	3.80
AR1242ICC750	AR1242ICC750	08/01/2025	14:47	PP074176.D	8.82	3.80
AR1242ICC500	AR1242ICC500	08/01/2025	15:03	PP074177.D	8.83	3.81
AR1242ICC250	AR1242ICC250	08/01/2025	15:19	PP074178.D	8.82	3.81
AR1242ICC050	AR1242ICC050	08/01/2025	15:36	PP074179.D	8.82	3.80
AR1248ICC500	AR1248ICC500	08/01/2025	16:57	PP074182.D	8.82	3.81
AR1254ICC1000	AR1254ICC1000	08/01/2025	18:02	PP074185.D	8.82	3.81
AR1254ICC750	AR1254ICC750	08/01/2025	18:18	PP074186.D	8.82	3.80
AR1254ICC500	AR1254ICC500	08/01/2025	18:34	PP074187.D	8.82	3.80
AR1254ICC250	AR1254ICC250	08/01/2025	18:50	PP074188.D	8.82	3.80
AR1254ICC050	AR1254ICC050	08/01/2025	19:23	PP074189.D	8.82	3.80
AR1262ICC500	AR1262ICC500	08/01/2025	19:39	PP074190.D	8.82	3.80
AR1268ICC500	AR1268ICC500	08/01/2025	20:28	PP074193.D	8.82	3.80
AR1660CCC500	AR1660CCC500	08/12/2025	09:51	PP074302.D	8.82	3.80
I.BLK	I.BLK	08/12/2025	10:43	PP074305.D	8.82	3.81
PB169205BL	PB169205BL	08/12/2025	12:48	PP074308.D	8.82	3.80
PB169205BS	PB169205BS	08/12/2025	13:05	PP074309.D	8.82	3.80
BIN0009-DRIVEWAY-TP-SOUTH-EAST	Q2830-01MS	08/12/2025	13:37	PP074311.D	8.82	3.80
BIN0009-DRIVEWAY-TP-SOUTH-EAST	Q2830-01MSD	08/12/2025	13:53	PP074312.D	8.82	3.80
AR1660CCC500	AR1660CCC500	08/12/2025	15:48	PP074316.D	8.82	3.80
I.BLK	I.BLK	08/12/2025	16:53	PP074319.D	8.82	3.80

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB169205BS

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG NO.: Q2818

Lab Sample ID: PB169205BS Date(s) Analyzed: 08/12/2025 08/12/2025

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 PP074309.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.809	5.759	5.859	183		
	2	5.83	5.78	5.88	187		
	3	5.893	5.843	5.943	187		
COLUMN 1	4	5.99	5.94	6.04	188		
	5	6.283	6.233	6.333	180	185	
	1	4.902	4.852	4.952	191		
	2	4.959	4.909	5.009	185		
	3	5.08	5.03	5.13	176		
	4	5.121	5.071	5.171	172		
COLUMN 2	5	5.334	5.284	5.384	191	183	1.09
Aroclor-1260	1	7.401	7.351	7.451	183		
	2	7.653	7.603	7.703	176		
	3	8.012	7.962	8.062	152		
COLUMN 1	4	8.238	8.188	8.288	165		
	5	8.566	8.516	8.616	150	165	
	1	6.551	6.501	6.601	195		
	2	6.706	6.656	6.756	195		
	3	6.915	6.865	6.965	173		
	4	7.175	7.125	7.225	171		
COLUMN 2	5	7.415	7.365	7.465	168	180	8.7

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

BIN0009-DRIVEWAY-TP

Lab Name: Alliance
Contract: EARTH03
Lab Code: ACE
SDG NO.: Q2818
Lab Sample ID: Q2830-01MS
Date(s) Analyzed: 08/12/2025 08/12/2025
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 PP074311.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.809	5.759	5.859	200		
	2	5.831	5.781	5.881	201		
	3	5.894	5.844	5.944	200		
COLUMN 1	4	5.991	5.941	6.041	209		
	5	6.283	6.233	6.333	195	201	
	1	4.901	4.851	4.951	213		
	2	4.958	4.908	5.008	215		
	3	5.079	5.029	5.129	219		
	4	5.119	5.069	5.169	206		
COLUMN 2	5	5.334	5.284	5.384	212	213	5.8
Aroclor-1260	1	7.4	7.35	7.45	191		
	2	7.653	7.603	7.703	183		
	3	8.012	7.962	8.062	157		
COLUMN 1	4	8.238	8.188	8.288	181		
	5	8.566	8.516	8.616	155	173	
	1	6.55	6.5	6.6	196		
	2	6.704	6.654	6.754	193		
	3	6.914	6.864	6.964	172		
	4	7.175	7.125	7.225	175		
COLUMN 2	5	7.413	7.363	7.463	170	181	4.52

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

BIN0009-DRIVEWAY-TP

Lab Name: Alliance
Contract: EARTH03
Lab Code: ACE
SDG NO.: Q2818
Lab Sample ID: Q2830-01MSD
Date(s) Analyzed: 08/12/2025 08/12/2025
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 PP074312.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.811	5.761	5.861	205		
	2	5.832	5.782	5.882	202		
	3	5.895	5.845	5.945	204		
COLUMN 1	4	5.992	5.942	6.042	256		
	5	6.284	6.234	6.334	199	213	
	1	4.904	4.854	4.954	220		
	2	4.961	4.911	5.011	222		
	3	5.081	5.031	5.131	215		
	4	5.122	5.072	5.172	218		
COLUMN 2	5	5.337	5.287	5.387	219	219	2.78
Aroclor-1260	1	7.402	7.352	7.452	197		
	2	7.654	7.604	7.704	186		
	3	8.012	7.962	8.062	160		
COLUMN 1	4	8.239	8.189	8.289	183		
	5	8.565	8.515	8.615	159	177	
	1	6.552	6.502	6.602	206		
	2	6.707	6.657	6.757	201		
	3	6.916	6.866	6.966	178		
	4	7.176	7.126	7.226	180		
COLUMN 2	5	7.415	7.365	7.465	176	188	6.03

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081225\
Data File : PO112858.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 12:50
Operator : YP/AJ
Sample : Q2818-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
B-2-5-1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 13:27:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 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...	3.666	3.656	192.6E6	116.5E6	23.691	23.451
2)	SA Decachlor...	8.686	8.630	145.7E6	40707830	19.932m	23.036
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

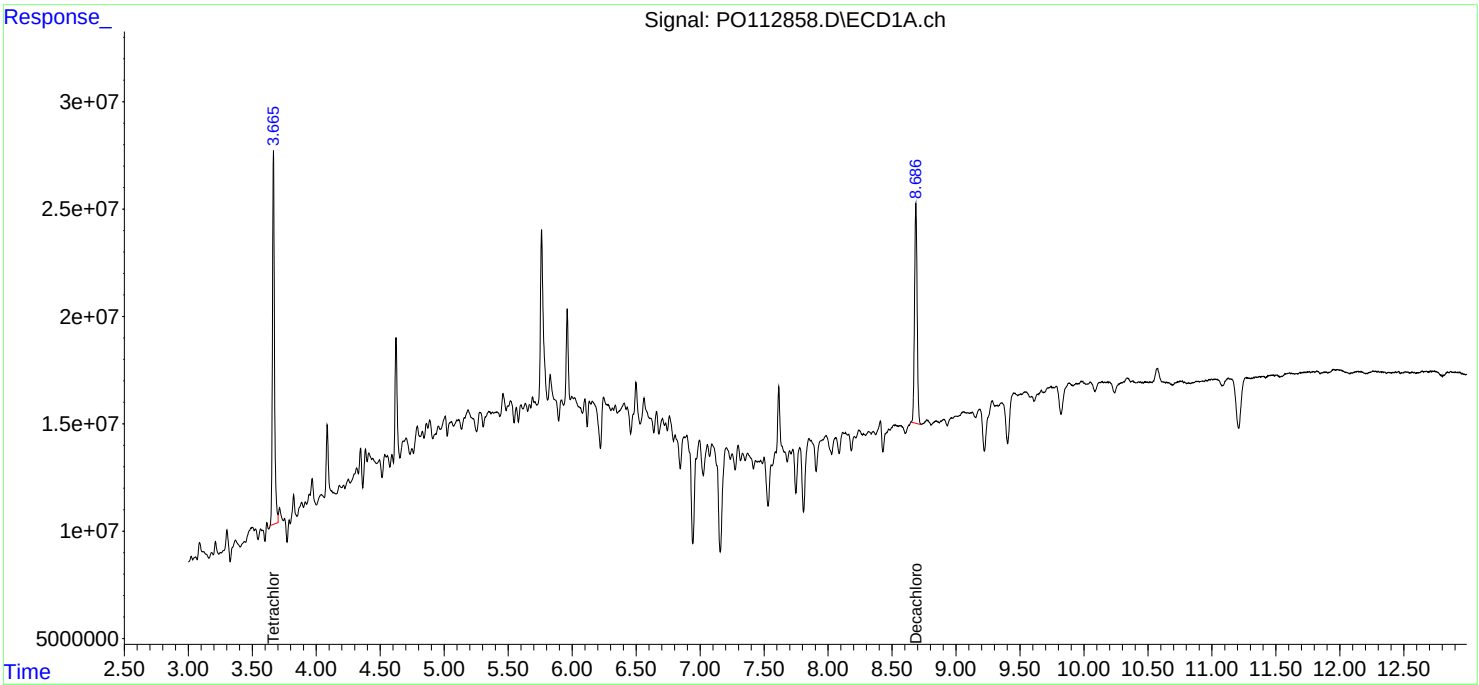
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081225\
Data File : PO112858.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 12:50
Operator : YP/AJ
Sample : Q2818-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

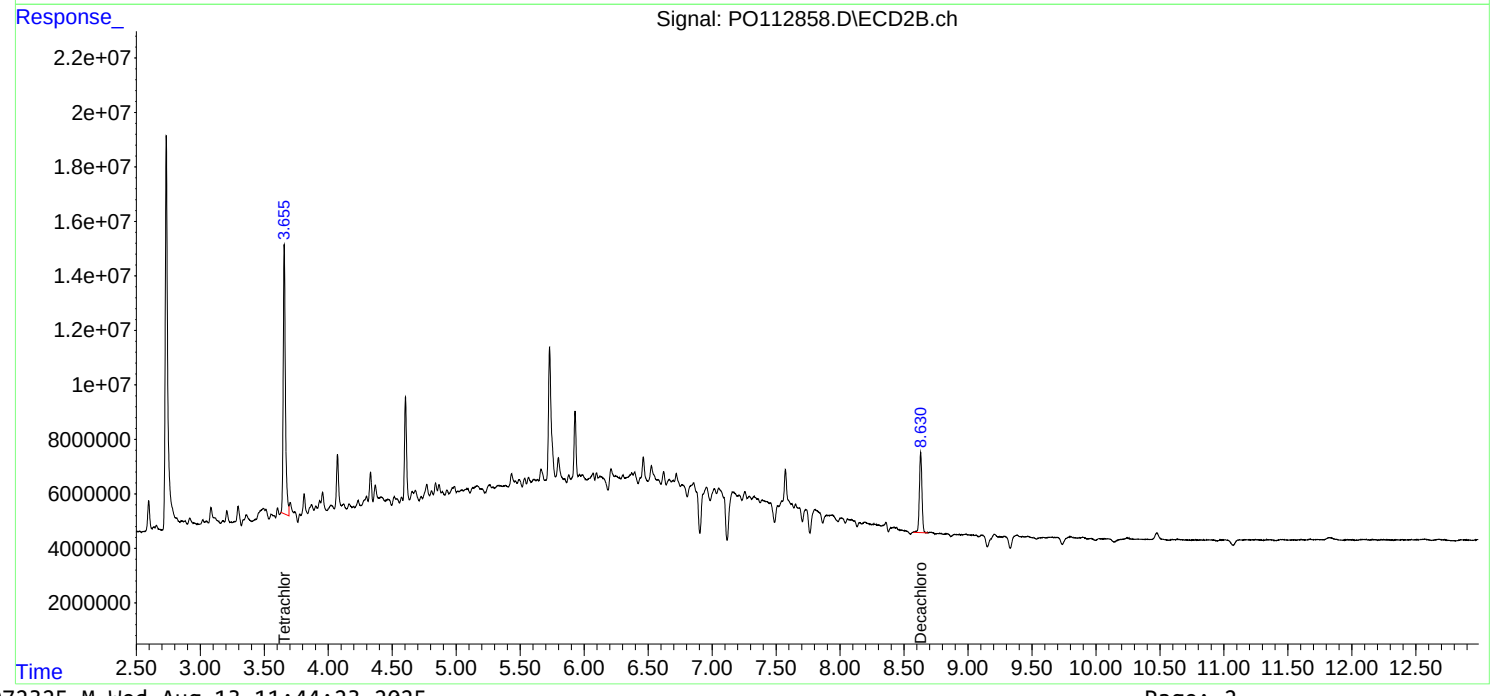
Instrument :
ECD_O
ClientSampleId :
B-2-5-1

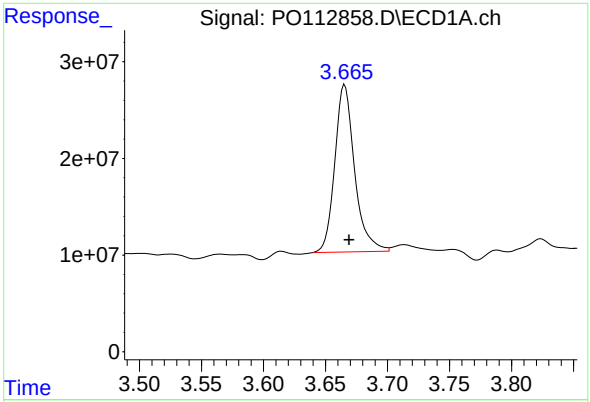
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 13:27:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 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







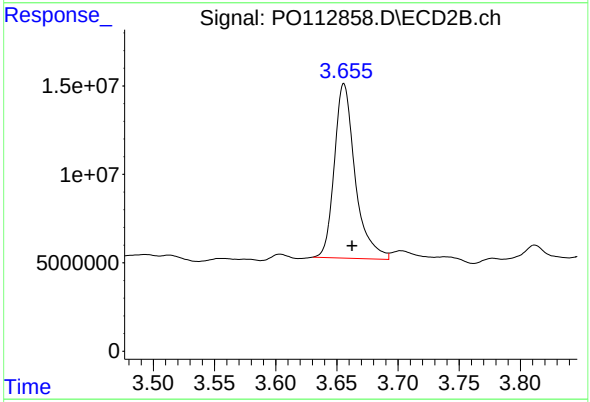
#1 Tetrachloro-m-xylene

R.T.: 3.666 min
Delta R.T.: -0.003 min
Response: 192644050
Conc: 23.69 ng/ml

Instrument :
ECD_O
ClientSampleId :
B-2-5-1

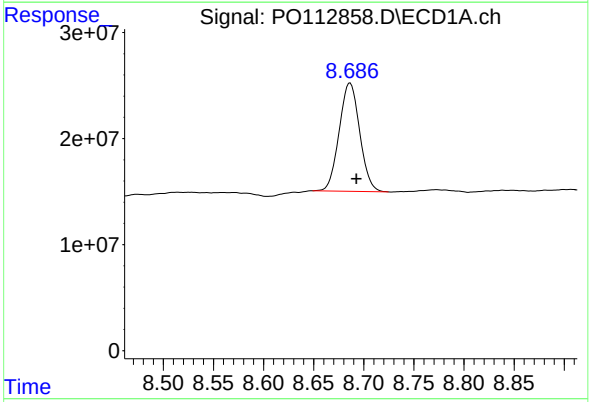
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



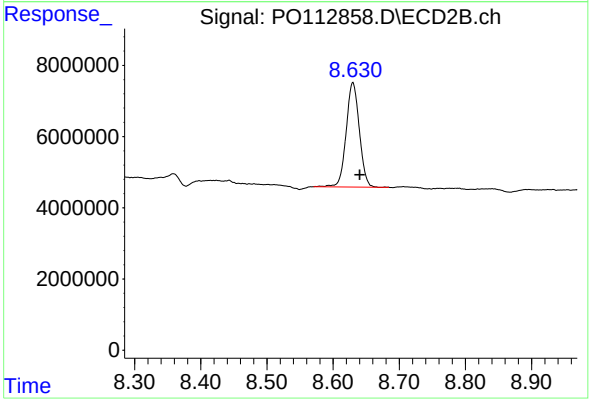
#1 Tetrachloro-m-xylene

R.T.: 3.656 min
Delta R.T.: -0.007 min
Response: 116531826
Conc: 23.45 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.686 min
Delta R.T.: -0.007 min
Response: 145735745
Conc: 19.93 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.630 min
Delta R.T.: -0.010 min
Response: 40707830
Conc: 23.04 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081225\
Data File : PO112859.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 13:08
Operator : YP/AJ
Sample : Q2818-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
B-3-5-2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 13:28:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 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...	3.666	3.657	171.9E6	105.4E6	21.134	21.211
2)	SA Decachlor...	8.687	8.632	143.3E6	37976153	19.601	21.491
	Target Compounds						

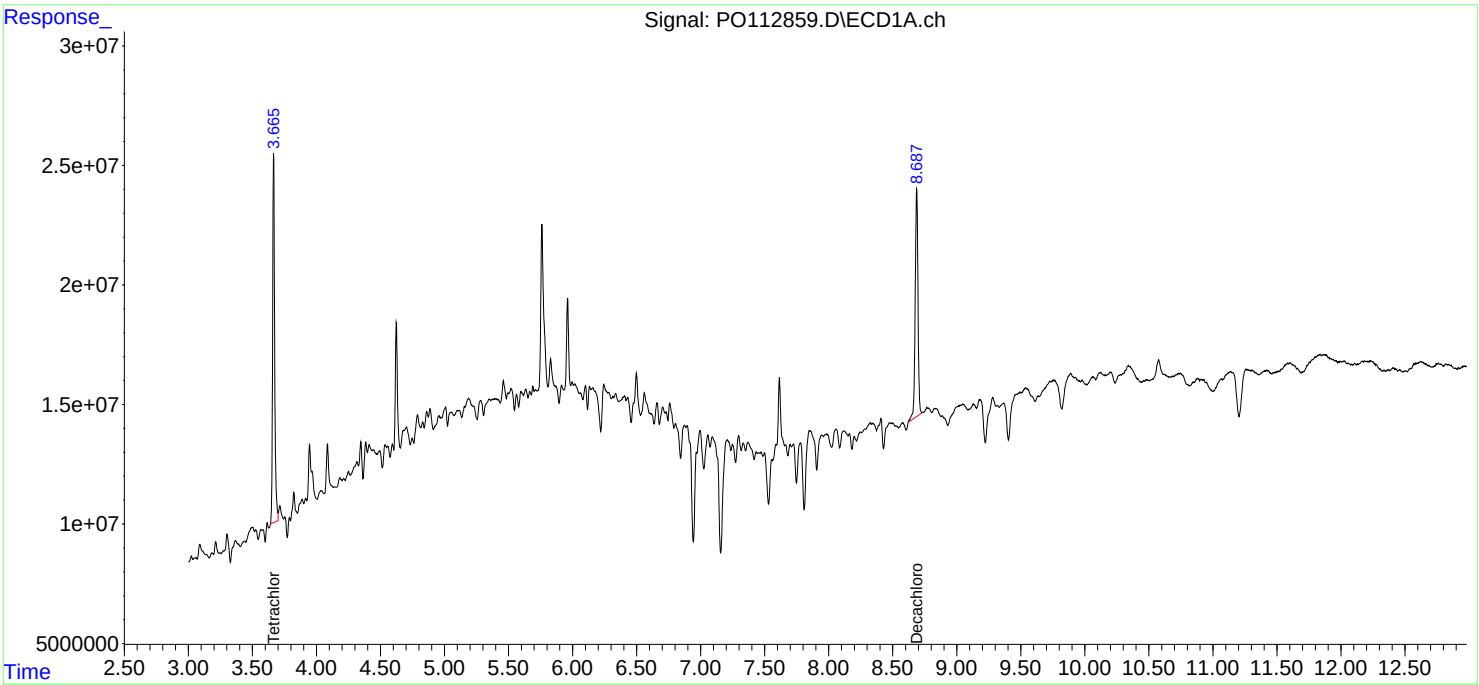
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

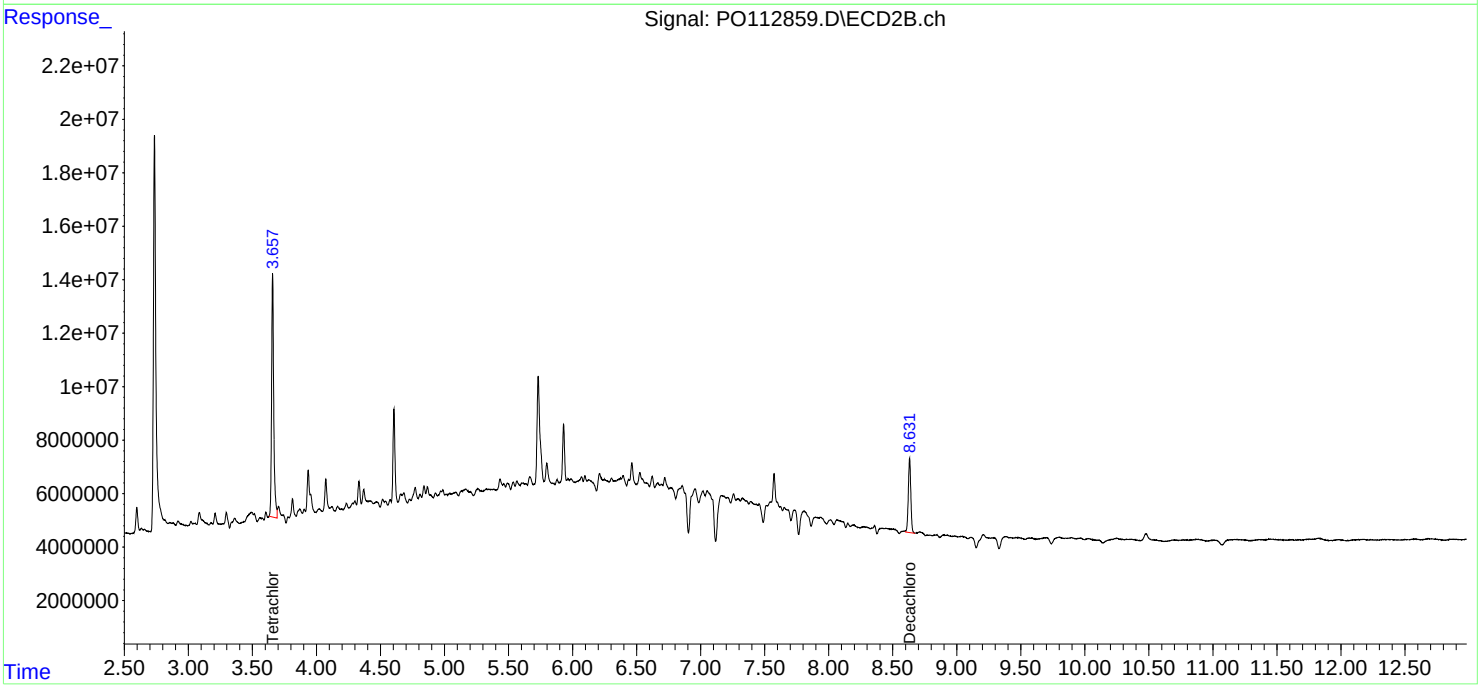
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081225\
Data File : PO112859.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 13:08
Operator : YP/AJ
Sample : Q2818-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

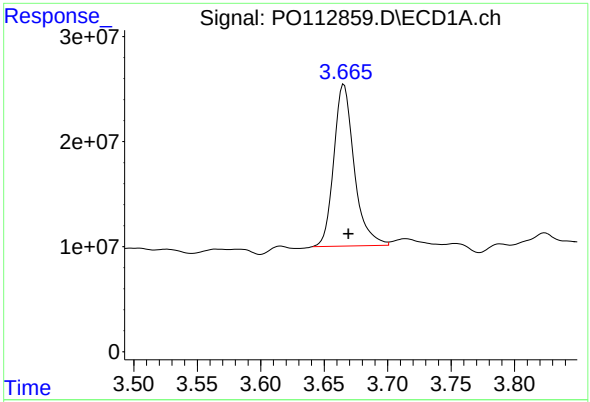
Instrument :
ECD_O
ClientSampleId :
B-3-5-2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 13:28:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 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



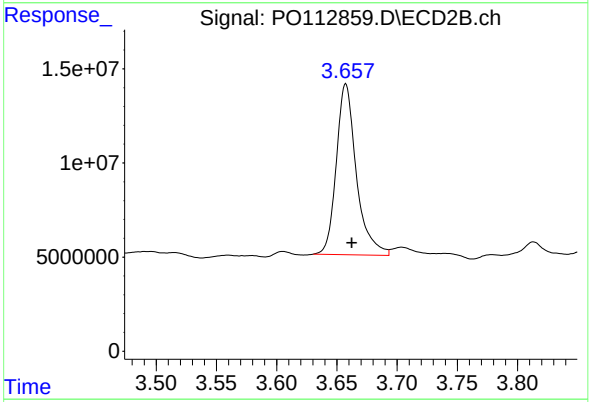




#1 Tetrachloro-m-xylene

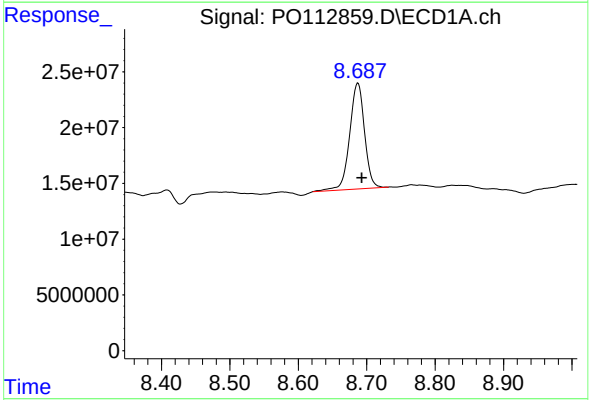
R.T.: 3.666 min
Delta R.T.: -0.003 min
Response: 171854572
Conc: 21.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
B-3-5-2



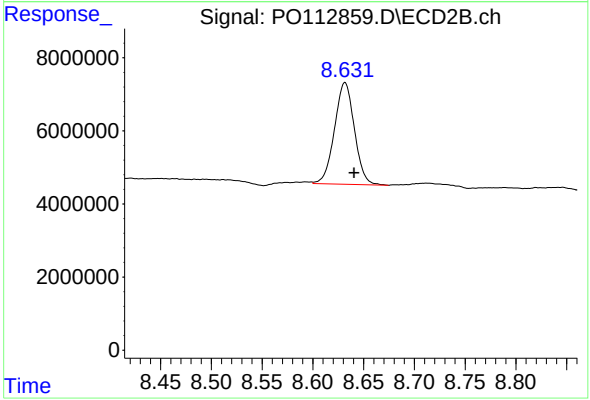
#1 Tetrachloro-m-xylene

R.T.: 3.657 min
Delta R.T.: -0.005 min
Response: 105400843
Conc: 21.21 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.687 min
Delta R.T.: -0.006 min
Response: 143315526
Conc: 19.60 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.632 min
Delta R.T.: -0.009 min
Response: 37976153
Conc: 21.49 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081225\
Data File : PP074308.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 12:48
Operator : YP\AJ
Sample : PB169205BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB169205BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 13:31:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.656	3.798	25834612	77167851	23.102	20.125
2)	SA Decachlor...	10.439	8.817	21524564	120.6E6	22.164	20.052
	Target Compounds						

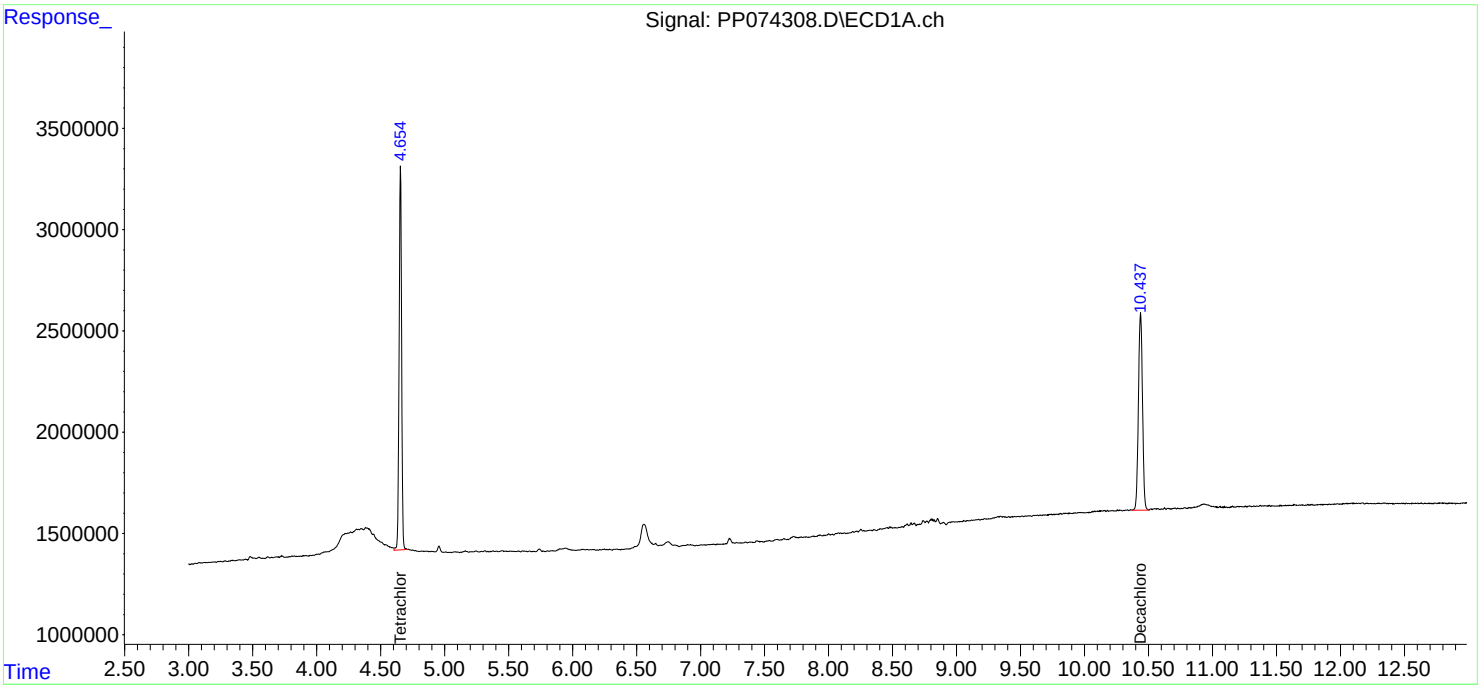
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

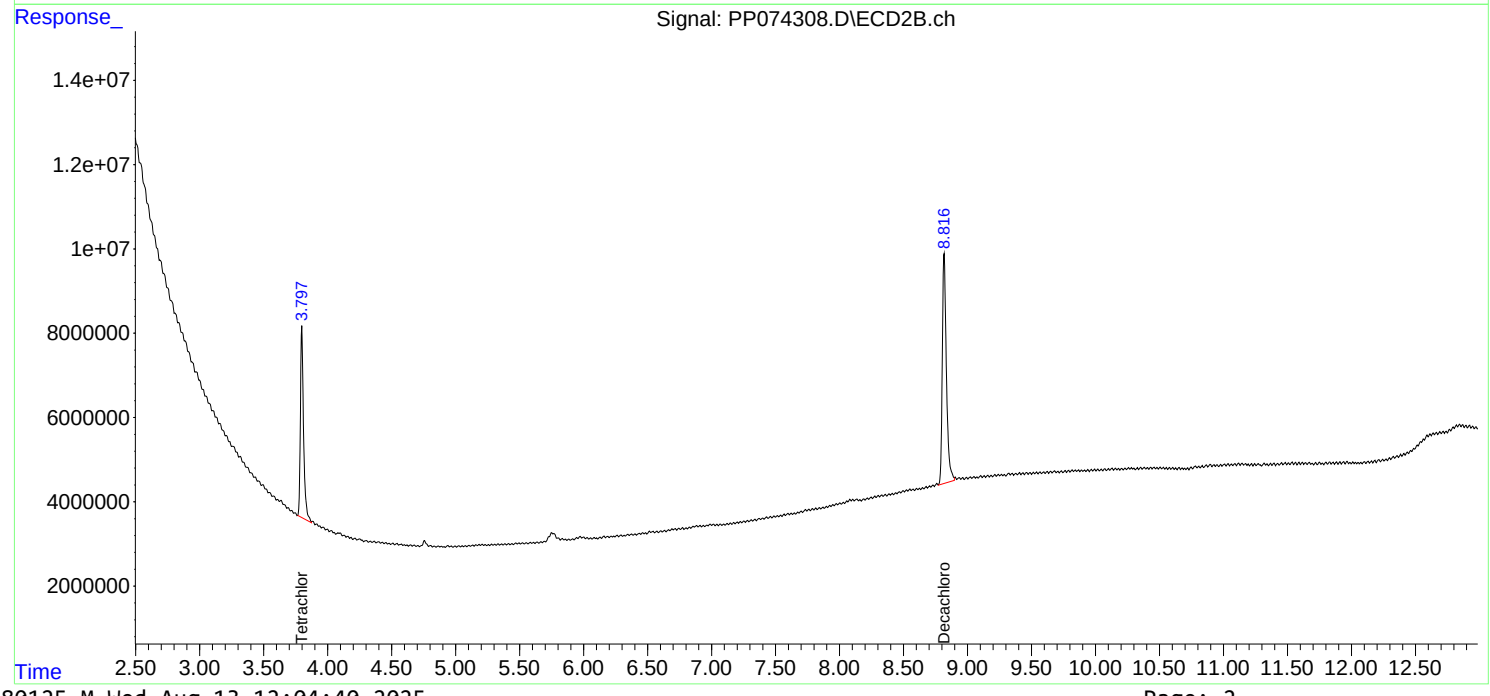
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081225\
Data File : PP074308.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 12:48
Operator : YP\AJ
Sample : PB169205BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

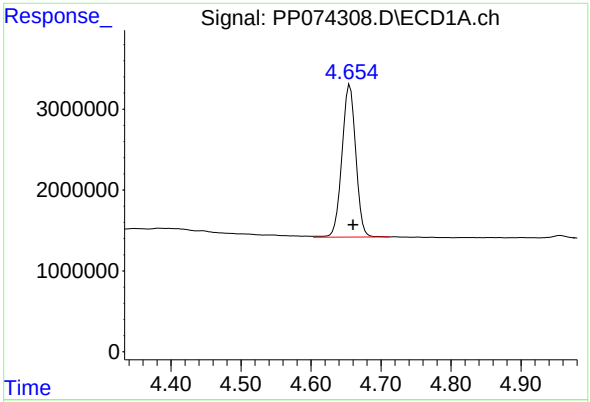
Instrument :
ECD_P
ClientSampleId :
PB169205BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 13:31:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



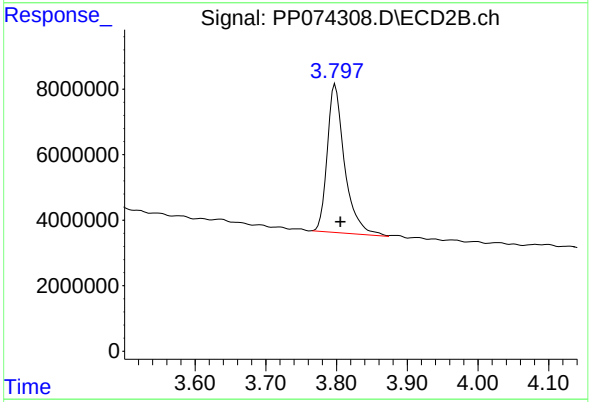




#1 Tetrachloro-m-xylene

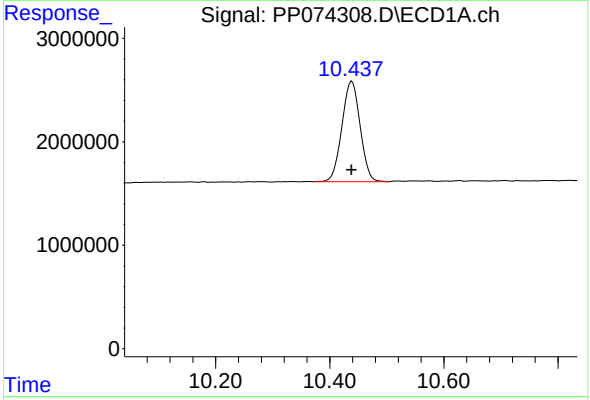
R.T.: 4.656 min
Delta R.T.: -0.004 min
Response: 25834612
Conc: 23.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB169205BL



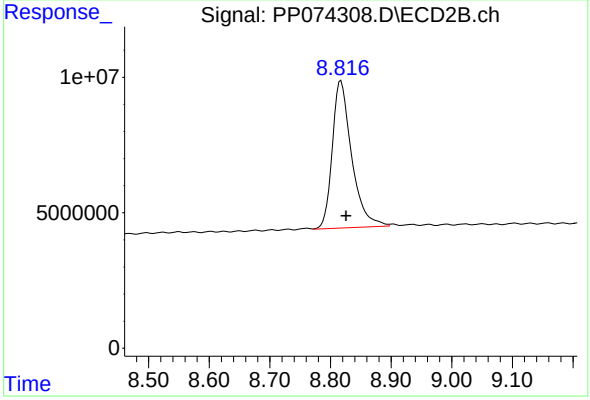
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: -0.007 min
Response: 77167851
Conc: 20.13 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.439 min
Delta R.T.: 0.000 min
Response: 21524564
Conc: 22.16 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.817 min
Delta R.T.: -0.009 min
Response: 120583654
Conc: 20.05 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081225\
Data File : PP074309.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 13:05
Operator : YP\AJ
Sample : PB169205BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB169205BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 13:31:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.657	3.801	27178701	79780335	24.303	20.806
2)	SA Decachlor...	10.438	8.821	21836747	120.3E6	22.485	20.000
	Target Compounds						
3)	L1 AR-1016-1	5.809	4.902	22669527	228.6E6	549.474	573.187
4)	L1 AR-1016-2	5.830	4.959	34110297	104.5E6	561.563	556.666
5)	L1 AR-1016-3	5.893	5.080	22276842	56001049	561.688	527.965
6)	L1 AR-1016-4	5.990	5.121	18317589	56446484	562.848	516.814
7)	L1 AR-1016-5	6.283	5.334	17574695	66942868	541.292	572.341
31)	L7 AR-1260-1	7.401	6.551	31033148	236.1E6	550.662	584.486
32)	L7 AR-1260-2	7.653	6.706	36070118	182.5E6	529.257	583.716
33)	L7 AR-1260-3	8.012	6.915	24314378	204.9E6	456.215	519.977
34)	L7 AR-1260-4	8.238	7.175	30953569	149.4E6	494.348m	513.385
35)	L7 AR-1260-5	8.566	7.415	51128845	382.8E6	451.250	505.423

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

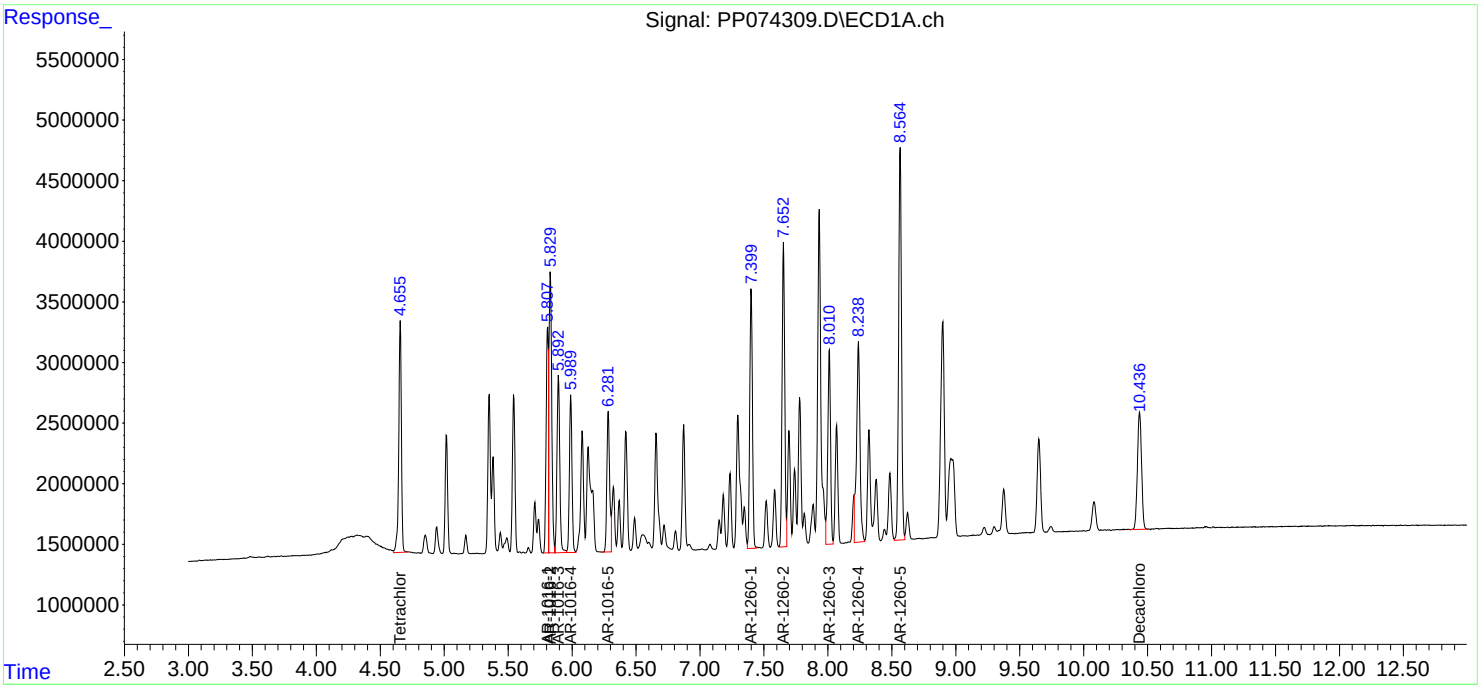
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081225\
Data File : PP074309.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 13:05
Operator : YP\AJ
Sample : PB169205BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

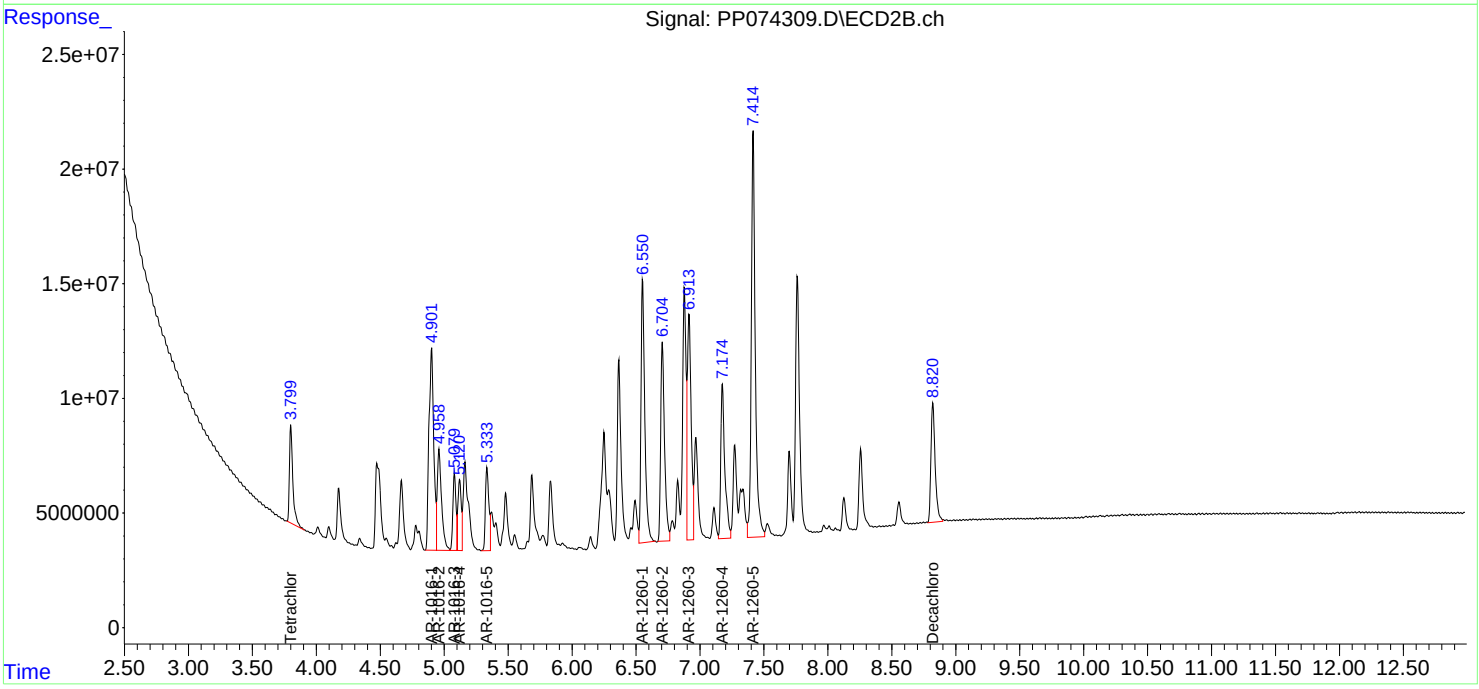
Instrument :
ECD_P
ClientSampleId :
PB169205BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 13:31:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081225\
Data File : PP074311.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 13:37
Operator : YP\AJ
Sample : Q2830-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
BIN0009-DRIVEWAY-TP-SOUTH-EASTMS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 14:50:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.655	3.800	26250208	84433109	23.473m	22.020
2)	SA Decachlor...	10.437	8.820	19335273	105.2E6	19.909	17.488
	Target Compounds						
3)	L1 AR-1016-1	5.809	4.901	21480557	221.4E6	520.655	555.093
4)	L1 AR-1016-2	5.831	4.958	31794685	105.4E6	523.441	561.178
5)	L1 AR-1016-3	5.894	5.079	20638950	60560553	520.390	570.951
6)	L1 AR-1016-4	5.991	5.119	17736155	58694992	544.982	537.401
7)	L1 AR-1016-5	6.283	5.334	16474757	64653966	507.414	552.772
31)	L7 AR-1260-1	7.400	6.550	28140334	207.0E6	499.331	512.404
32)	L7 AR-1260-2	7.653	6.704	32575808	157.6E6	477.985	503.902
33)	L7 AR-1260-3	8.012	6.914	21771827	176.5E6	408.508	447.876
34)	L7 AR-1260-4	8.238	7.175	29533684	132.7E6	471.671m	455.876
35)	L7 AR-1260-5	8.566	7.413	45863963	335.1E6	404.784	442.376

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

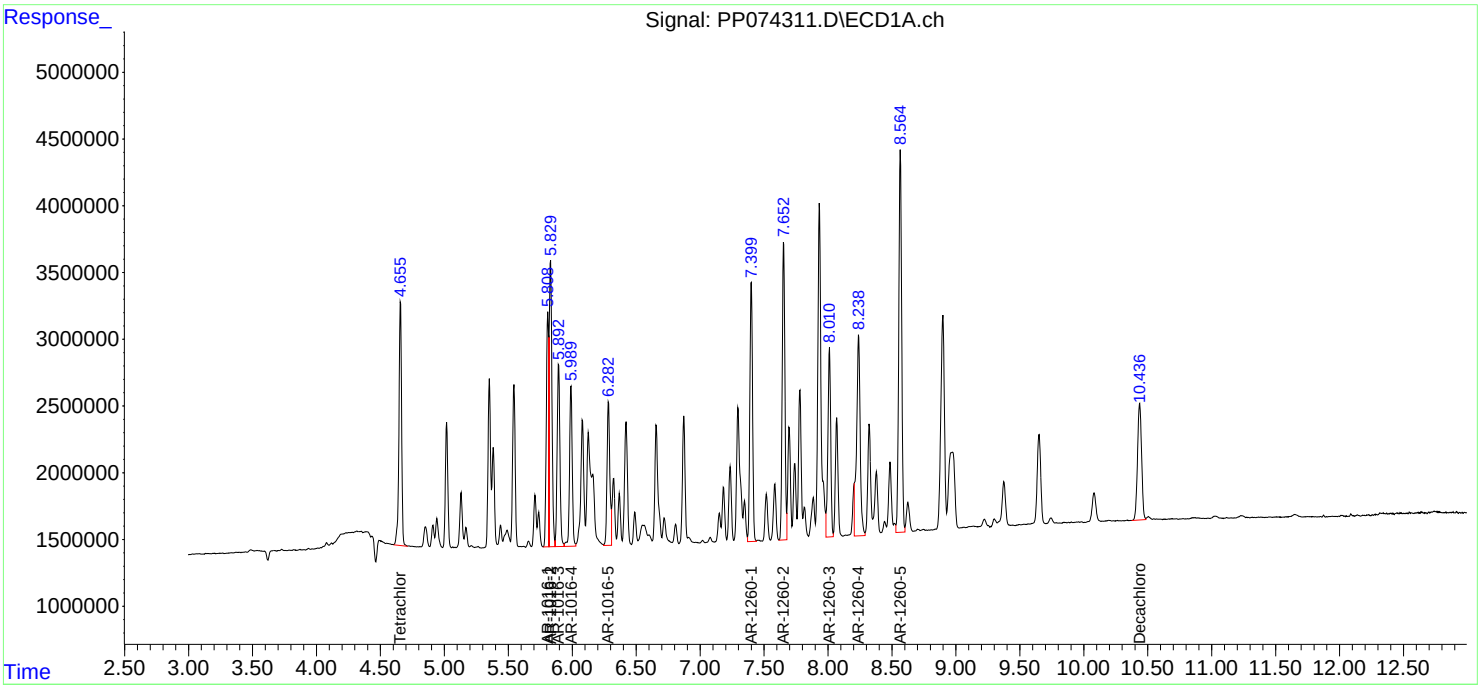
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081225\
Data File : PP074311.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 13:37
Operator : YP\AJ
Sample : Q2830-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

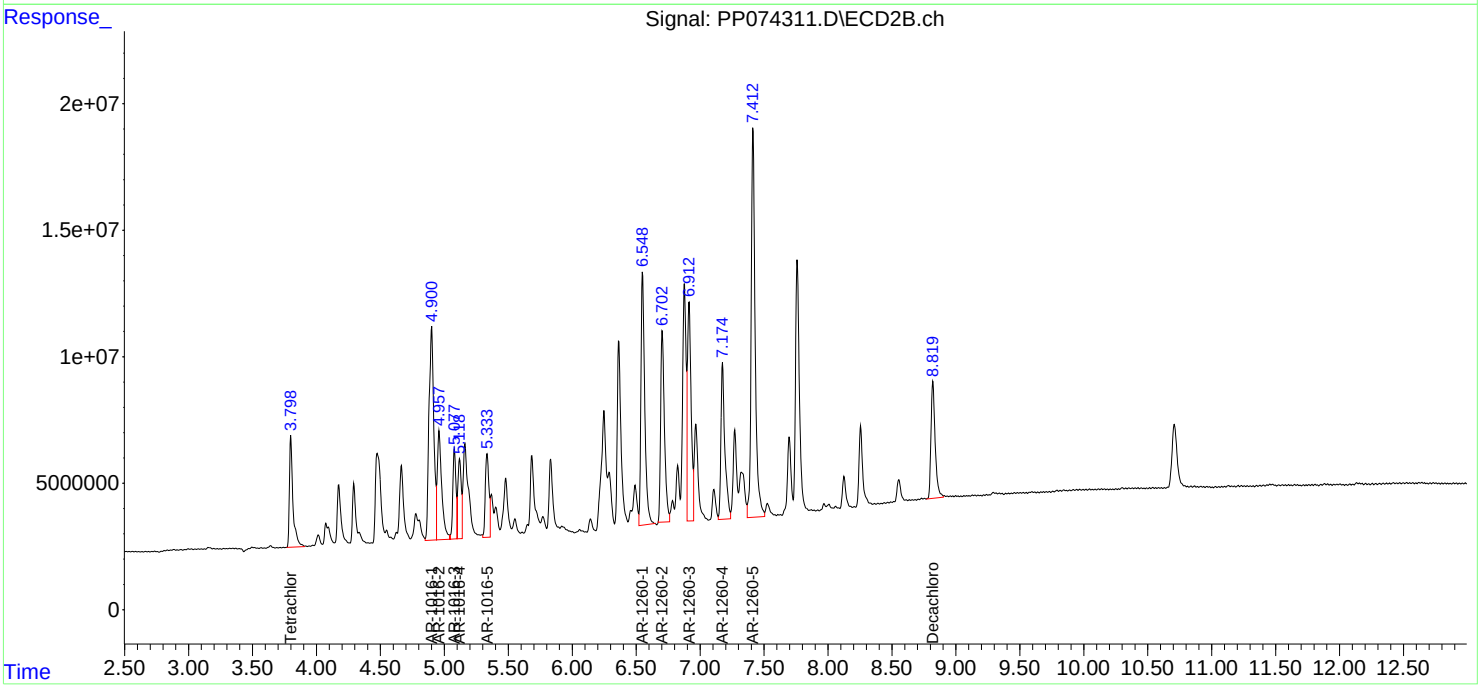
Instrument :
ECD_P
ClientSampleId :
BIN0009-DRIVEWAY-TP-SOUTH-EASTMS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 14:50:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081225\
Data File : PP074312.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 13:53
Operator : YP\AJ
Sample : Q2830-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
BIN0009-DRIVEWAY-TP-SOUTH-EASTMSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 14:50:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.658	3.803	26034862	84782674	23.281m	22.111
2)	SA Decachlor...	10.435	8.820	19291425	107.3E6	19.864m	17.849
	Target Compounds						
3)	L1 AR-1016-1	5.811	4.904	22025300	229.5E6	533.859	575.363
4)	L1 AR-1016-2	5.832	4.961	31957321	109.0E6	526.118	580.403
5)	L1 AR-1016-3	5.895	5.081	21162376	59483478	533.588	560.796
6)	L1 AR-1016-4	5.992	5.122	21722805	62077143	667.481	568.368
7)	L1 AR-1016-5	6.284	5.337	16835913	66799585	518.538	571.116
31)	L7 AR-1260-1	7.402	6.552	28910383	216.7E6	512.995	536.408
32)	L7 AR-1260-2	7.654	6.707	33152517	164.0E6	486.447	524.348
33)	L7 AR-1260-3	8.012	6.916	22216794	183.6E6	416.857	465.809
34)	L7 AR-1260-4	8.239	7.176	29914044	137.0E6	477.746m	470.828
35)	L7 AR-1260-5	8.565	7.415	47018435	347.3E6	414.973	458.490

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

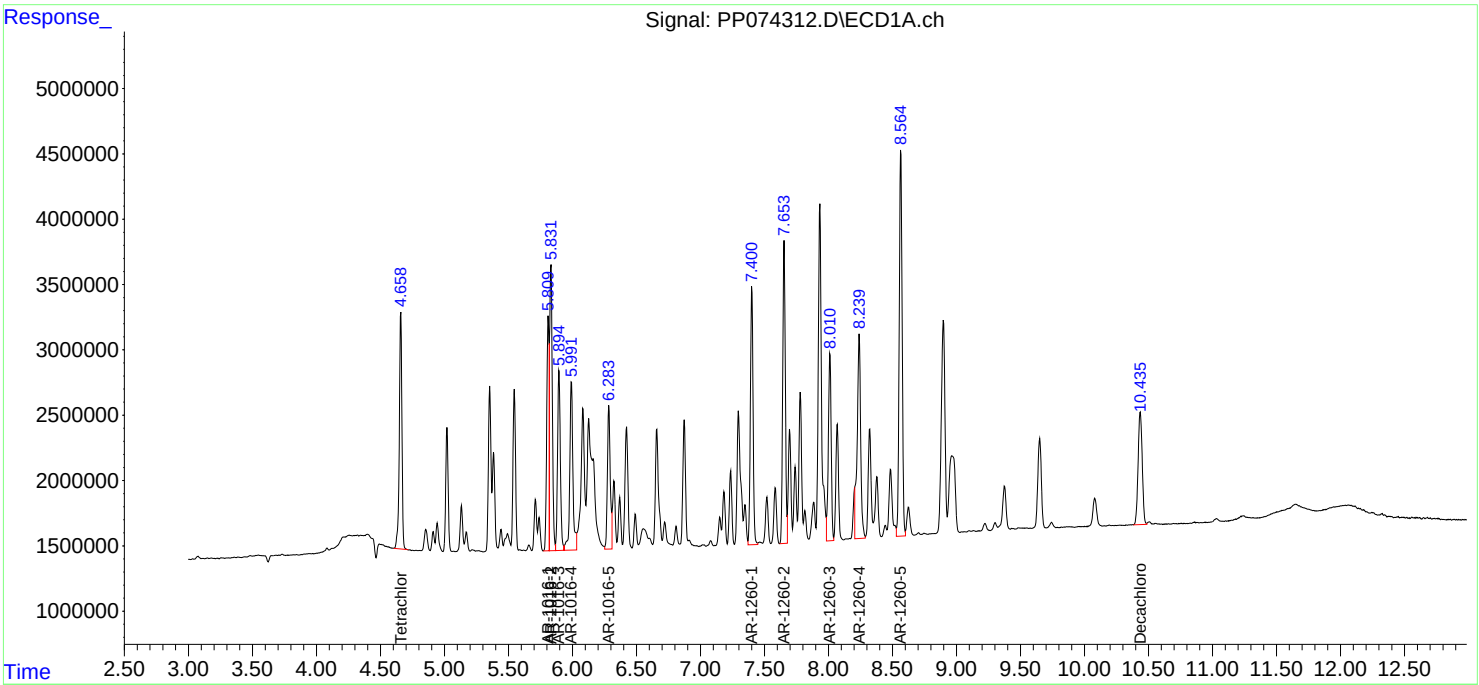
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081225\
Data File : PP074312.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 13:53
Operator : YP\AJ
Sample : Q2830-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

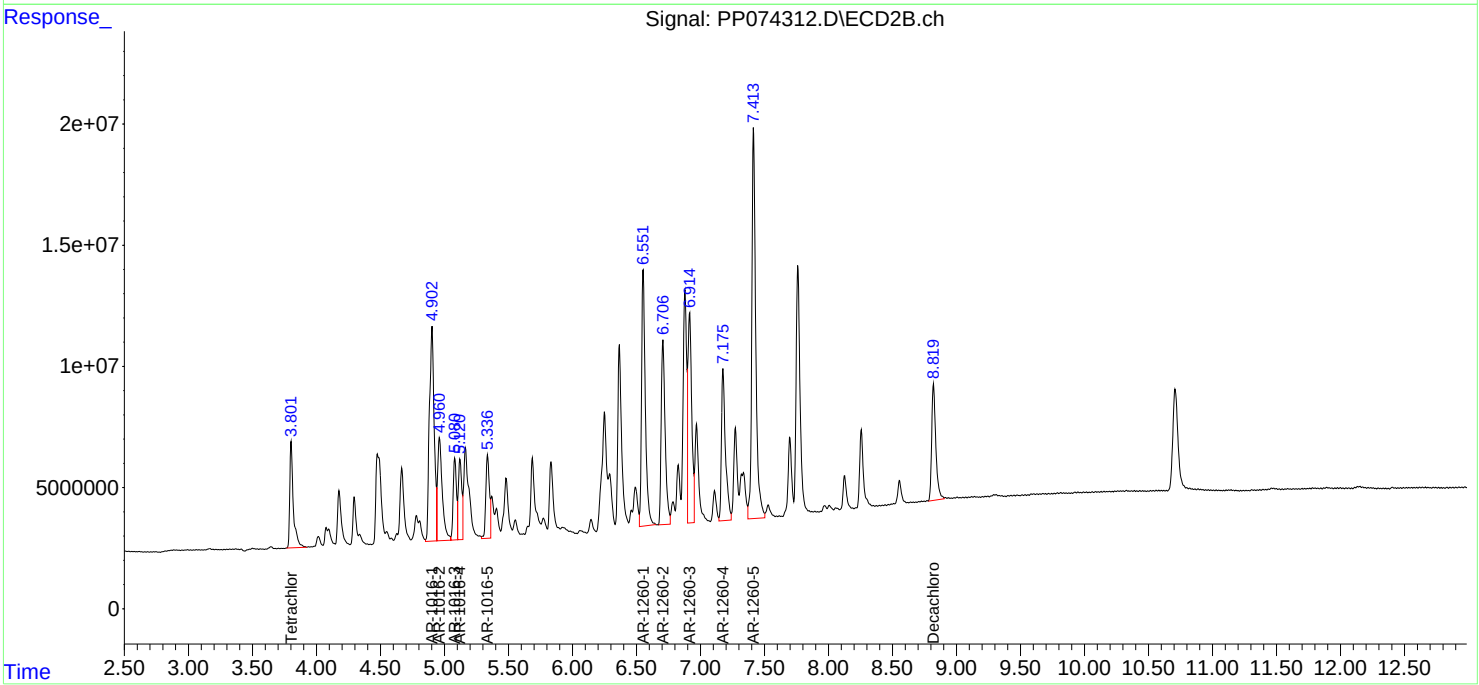
Instrument :
ECD_P
ClientSampleId :
BIN0009-DRIVEWAY-TP-SOUTH-EASTMSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 14:50:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





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

Manual Integration Report

Sequence:	PO072325	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC250	PO112417.D	AR-1260-1	yogesh	7/24/2025 7:42:50 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1660ICC250	PO112417.D	AR-1260-1 #2	yogesh	7/24/2025 7:42:50 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1660ICC250	PO112417.D	AR-1260-2	yogesh	7/24/2025 7:42:50 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1660ICC250	PO112417.D	AR-1260-3 #2	yogesh	7/24/2025 7:42:50 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1660ICC050	PO112418.D	AR-1016-5	yogesh	7/24/2025 7:42:52 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1660ICC050	PO112418.D	AR-1016-5 #2	yogesh	7/24/2025 7:42:52 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1660ICC050	PO112418.D	AR-1260-1 #2	yogesh	7/24/2025 7:42:52 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1660ICC050	PO112418.D	AR-1260-3 #2	yogesh	7/24/2025 7:42:52 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1242ICC250	PO112424.D	AR-1242-5	yogesh	7/24/2025 7:42:53 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1242ICC250	PO112424.D	AR-1242-5 #2	yogesh	7/24/2025 7:42:53 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1242ICC050	PO112425.D	AR-1242-5	yogesh	7/24/2025 7:42:55 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1242ICC050	PO112425.D	AR-1242-5 #2	yogesh	7/24/2025 7:42:55 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1242ICC050	PO112425.D	Tetrachloro-m-xylene #2	yogesh	7/24/2025 7:42:55 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PO072325	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248ICC050	PO112430.D	AR-1248-4	yogesh	7/24/2025 7:42:57 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1248ICC050	PO112430.D	AR-1248-4 #2	yogesh	7/24/2025 7:42:57 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1248ICC050	PO112430.D	AR-1248-5	yogesh	7/24/2025 7:42:57 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1248ICC050	PO112430.D	AR-1248-5 #2	yogesh	7/24/2025 7:42:57 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1254ICC050	PO112435.D	AR-1254-1	yogesh	7/24/2025 7:42:59 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1254ICC050	PO112435.D	AR-1254-1 #2	yogesh	7/24/2025 7:42:59 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1254ICC050	PO112435.D	AR-1254-2	yogesh	7/24/2025 7:42:59 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1254ICC050	PO112435.D	AR-1254-2 #2	yogesh	7/24/2025 7:42:59 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1254ICC050	PO112435.D	AR-1254-3 #2	yogesh	7/24/2025 7:42:59 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PO081225	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC50 0	PO112850.D	AR-1016-1	yogesh	8/13/2025 11:49:43 AM	mohammad	8/14/2025 1:21:40	Peak Integrated by Software
AR1660CCC50 0	PO112850.D	AR-1016-2	yogesh	8/13/2025 11:49:43 AM	mohammad	8/14/2025 1:21:40	Peak Integrated by Software
AR1660CCC50 0	PO112850.D	AR-1016-3 #2	yogesh	8/13/2025 11:49:43 AM	mohammad	8/14/2025 1:21:40	Peak Integrated by Software
AR1660CCC50 0	PO112850.D	AR-1016-4 #2	yogesh	8/13/2025 11:49:43 AM	mohammad	8/14/2025 1:21:40	Peak Integrated by Software
AR1660CCC50 0	PO112850.D	AR-1260-3 #2	yogesh	8/13/2025 11:49:43 AM	mohammad	8/14/2025 1:21:40	Peak Integrated by Software
AR1242CCC50 0	PO112851.D	AR-1242-1	yogesh	8/13/2025 11:49:45 AM	mohammad	8/14/2025 1:21:40	Peak Integrated by Software
AR1242CCC50 0	PO112851.D	AR-1242-2	yogesh	8/13/2025 11:49:45 AM	mohammad	8/14/2025 1:21:40	Peak Integrated by Software
AR1242CCC50 0	PO112851.D	AR-1242-3 #2	yogesh	8/13/2025 11:49:45 AM	mohammad	8/14/2025 1:21:40	Peak Integrated by Software
AR1248CCC50 0	PO112852.D	AR-1248-1	yogesh	8/13/2025 11:49:47 AM	mohammad	8/14/2025 1:21:40	Peak Integrated by Software
Q2818-01	PO112858.D	Decachlorobiphenyl	yogesh	8/13/2025 7:36:42 AM	mohammad	8/14/2025 1:21:40	Peak Integrated by Software
AR1660CCC50 0	PO112865.D	AR-1016-1	yogesh	8/13/2025 11:49:48 AM	mohammad	8/14/2025 1:21:40	Peak Integrated by Software
AR1660CCC50 0	PO112865.D	AR-1016-2	yogesh	8/13/2025 11:49:48 AM	mohammad	8/14/2025 1:21:40	Peak Integrated by Software
AR1660CCC50 0	PO112865.D	AR-1260-3 #2	yogesh	8/13/2025 11:49:48 AM	mohammad	8/14/2025 1:21:40	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PO081225	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PO112866.D	AR-1242-1	yogesh	8/13/2025 11:49:52 AM	mohammad	8/14/2025 1:21:40	Peak Integrated by Software
AR1242CCC500	PO112866.D	AR-1242-2	yogesh	8/13/2025 11:49:52 AM	mohammad	8/14/2025 1:21:40	Peak Integrated by Software
AR1242CCC500	PO112866.D	AR-1242-3 #2	yogesh	8/13/2025 11:49:52 AM	mohammad	8/14/2025 1:21:40	Peak Integrated by Software
AR1660CCC500	PO112880.D	AR-1016-1	yogesh	8/13/2025 11:49:56 AM	mohammad	8/14/2025 1:21:40	Peak Integrated by Software
AR1660CCC500	PO112880.D	AR-1016-2	yogesh	8/13/2025 11:49:56 AM	mohammad	8/14/2025 1:21:40	Peak Integrated by Software
AR1660CCC500	PO112880.D	AR-1260-3 #2	yogesh	8/13/2025 11:49:56 AM	mohammad	8/14/2025 1:21:40	Peak Integrated by Software
AR1242CCC500	PO112881.D	AR-1242-1	yogesh	8/13/2025 11:49:58 AM	mohammad	8/14/2025 1:21:40	Peak Integrated by Software
AR1242CCC500	PO112881.D	AR-1242-2	yogesh	8/13/2025 11:49:58 AM	mohammad	8/14/2025 1:21:40	Peak Integrated by Software
AR1660CCC500	PO112890.D	AR-1016-1	yogesh	8/13/2025 11:50:01 AM	mohammad	8/14/2025 1:21:40	Peak Integrated by Software
AR1660CCC500	PO112890.D	AR-1016-2	yogesh	8/13/2025 11:50:01 AM	mohammad	8/14/2025 1:21:40	Peak Integrated by Software
AR1242CCC500	PO112891.D	AR-1242-1	yogesh	8/13/2025 11:50:03 AM	mohammad	8/14/2025 1:21:40	Peak Integrated by Software
AR1242CCC500	PO112891.D	AR-1242-2	yogesh	8/13/2025 11:50:03 AM	mohammad	8/14/2025 1:21:40	Peak Integrated by Software
AR1242CCC500	PO112891.D	AR-1242-3 #2	yogesh	8/13/2025 11:50:03 AM	mohammad	8/14/2025 1:21:40	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO081225	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PO112891.D	AR-1242-4 #2	yogesh	8/13/2025 11:50:03 AM	mohammad	8/14/2025 1:21:40	Peak Integrated by Software
AR1254CCC500	PO112893.D	AR-1254-1	yogesh	8/13/2025 7:36:58 AM	mohammad	8/14/2025 1:21:40	Peak Integrated by Software
AR1254CCC500	PO112893.D	AR-1254-2	yogesh	8/13/2025 7:36:58 AM	mohammad	8/14/2025 1:21:40	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP080125	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC250	PP074171.D	AR-1016-5	yogesh	8/5/2025 7:23:21 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1660ICC250	PP074171.D	AR-1260-1	yogesh	8/5/2025 7:23:21 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1660ICC250	PP074171.D	AR-1260-2	yogesh	8/5/2025 7:23:21 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1660ICC050	PP074172.D	AR-1260-2	yogesh	8/5/2025 7:22:19 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1660ICC050	PP074172.D	AR-1260-2 #2	yogesh	8/5/2025 7:22:19 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1660ICC050	PP074172.D	AR-1260-4	yogesh	8/5/2025 7:22:19 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1660ICC050	PP074172.D	Tetrachloro-m-xylene	yogesh	8/5/2025 7:22:19 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1660ICC050	PP074172.D	Tetrachloro-m-xylene #2	yogesh	8/5/2025 7:22:19 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1232ICC500	PP074174.D	AR-1232-4 #2	yogesh	8/5/2025 7:22:20 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1242ICC1000	PP074175.D	AR-1242-4 #2	yogesh	8/5/2025 7:22:22 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1242ICC750	PP074176.D	AR-1242-4 #2	yogesh	8/5/2025 7:22:24 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1242ICC500	PP074177.D	AR-1242-4 #2	yogesh	8/5/2025 7:22:27 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1242ICC250	PP074178.D	AR-1242-4 #2	yogesh	8/5/2025 7:22:29 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP080125	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242ICC250	PP074178.D	AR-1242-5	yogesh	8/5/2025 7:22:29 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1242ICC050	PP074179.D	AR-1242-5	yogesh	8/5/2025 7:22:32 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1242ICC050	PP074179.D	Tetrachloro-m-xylene	yogesh	8/5/2025 7:22:32 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1242ICC050	PP074179.D	Tetrachloro-m-xylene #2	yogesh	8/5/2025 7:22:32 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1248ICC500	PP074182.D	AR-1248-3 #2	yogesh	8/5/2025 7:22:38 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1254ICC1000	PP074185.D	AR-1254-1	yogesh	8/5/2025 7:22:44 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1254ICC1000	PP074185.D	AR-1254-5 #2	yogesh	8/5/2025 7:22:44 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1254ICC750	PP074186.D	AR-1254-1	yogesh	8/5/2025 7:22:45 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1254ICC500	PP074187.D	AR-1254-1	yogesh	8/5/2025 7:22:47 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1254ICC250	PP074188.D	AR-1254-1	yogesh	8/5/2025 7:22:49 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1254ICC050	PP074189.D	AR-1254-1	yogesh	8/5/2025 7:22:51 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1242ICV500	PP074197.D	AR-1242-4 #2	yogesh	8/5/2025 7:22:52 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1248ICV500	PP074198.D	AR-1248-3 #2	yogesh	8/5/2025 7:22:54 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP080125	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254ICV500	PP074199.D	AR-1254-1	yogesh	8/8/2025 7:32:21 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP081225	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP074303.D	AR-1242-3 #2	yogesh	8/13/2025 7:35:08 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software
AR1242CCC500	PP074303.D	AR-1242-4 #2	yogesh	8/13/2025 7:35:08 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software
AR1254CCC500	PP074304.D	AR-1254-1	yogesh	8/13/2025 7:35:10 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software
AR1254CCC500	PP074304.D	AR-1254-1 #2	yogesh	8/13/2025 7:35:10 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software
AR1254CCC500	PP074304.D	AR-1254-3 #2	yogesh	8/13/2025 7:35:10 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software
PB169205BS	PP074309.D	AR-1260-4	yogesh	8/13/2025 7:35:14 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software
Q2830-01MS	PP074311.D	AR-1260-4	yogesh	8/13/2025 7:35:18 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software
Q2830-01MS	PP074311.D	Tetrachloro-m-xylene	yogesh	8/13/2025 7:35:18 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software
Q2830-01MSD	PP074312.D	AR-1260-4	yogesh	8/13/2025 7:35:19 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software
Q2830-01MSD	PP074312.D	Decachlorobiphenyl	yogesh	8/13/2025 7:35:19 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software
Q2830-01MSD	PP074312.D	Tetrachloro-m-xylene	yogesh	8/13/2025 7:35:19 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software
AR1660CCC500	PP074316.D	AR-1016-2 #2	yogesh	8/13/2025 7:35:23 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software
AR1660CCC500	PP074316.D	AR-1016-5 #2	yogesh	8/13/2025 7:35:23 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP081225	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP074316.D	Tetrachloro-m-xylene #2	yogesh	8/13/2025 7:35:23 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software
AR1242CCC500	PP074317.D	AR-1242-2 #2	yogesh	8/13/2025 7:35:24 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software
AR1242CCC500	PP074317.D	AR-1242-3 #2	yogesh	8/13/2025 7:35:24 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software
AR1242CCC500	PP074317.D	AR-1242-4 #2	yogesh	8/13/2025 7:35:24 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software
AR1254CCC500	PP074318.D	AR-1254-1	yogesh	8/13/2025 7:35:26 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software
AR1254CCC500	PP074318.D	AR-1254-1 #2	yogesh	8/13/2025 7:35:26 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software
AR1254CCC500	PP074318.D	AR-1254-2 #2	yogesh	8/13/2025 7:35:26 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software
AR1254CCC500	PP074318.D	AR-1254-3 #2	yogesh	8/13/2025 7:35:26 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software
AR1254CCC500	PP074318.D	AR-1254-4 #2	yogesh	8/13/2025 7:35:26 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software
AR1254CCC500	PP074318.D	AR-1254-5 #2	yogesh	8/13/2025 7:35:26 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software
AR1242CCC500	PP074330.D	AR-1242-2 #2	yogesh	8/13/2025 7:35:40 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software
AR1242CCC500	PP074330.D	AR-1242-3 #2	yogesh	8/13/2025 7:35:40 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software
AR1242CCC500	PP074330.D	AR-1242-4 #2	yogesh	8/13/2025 7:35:40 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP081225	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP074331.D	AR-1254-1	yogesh	8/13/2025 7:35:42 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software
AR1254CCC500	PP074331.D	AR-1254-2 #2	yogesh	8/13/2025 7:35:42 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software
AR1254CCC500	PP074331.D	AR-1254-3 #2	yogesh	8/13/2025 7:35:42 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software
AR1254CCC500	PP074331.D	AR-1254-4 #2	yogesh	8/13/2025 7:35:42 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software
AR1254CCC500	PP074331.D	AR-1254-5 #2	yogesh	8/13/2025 7:35:42 AM	mohammad	8/14/2025 1:21:51	Peak Integrated by Software

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO072325

Review By	yogesh	Review On	7/23/2025 3:39:31 PM		
Supervise By	mohammad	Supervise On	7/25/2025 3:53:10 AM		
SubDirectory	PO072325	HP Acquire Method		HP Processing Method	PO072325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO112412.D	23 Jul 2025 10:56	YP/AJ	Ok
2	I.BLK	PO112413.D	23 Jul 2025 11:14	YP/AJ	Ok
3	AR1660ICC1000	PO112414.D	23 Jul 2025 11:32	YP/AJ	Ok
4	AR1660ICC750	PO112415.D	23 Jul 2025 11:50	YP/AJ	Ok
5	AR1660ICC500	PO112416.D	23 Jul 2025 12:08	YP/AJ	Ok
6	AR1660ICC250	PO112417.D	23 Jul 2025 12:27	YP/AJ	Ok,M
7	AR1660ICC050	PO112418.D	23 Jul 2025 12:45	YP/AJ	Ok,M
8	AR1221ICC500	PO112419.D	23 Jul 2025 13:03	YP/AJ	Ok
9	AR1232ICC500	PO112420.D	23 Jul 2025 13:22	YP/AJ	Ok
10	AR1242ICC1000	PO112421.D	23 Jul 2025 13:40	YP/AJ	Ok
11	AR1242ICC750	PO112422.D	23 Jul 2025 13:59	YP/AJ	Ok
12	AR1242ICC500	PO112423.D	23 Jul 2025 14:17	YP/AJ	Ok
13	AR1242ICC250	PO112424.D	23 Jul 2025 14:36	YP/AJ	Ok,M
14	AR1242ICC050	PO112425.D	23 Jul 2025 14:54	YP/AJ	Ok,M
15	AR1248ICC1000	PO112426.D	23 Jul 2025 15:13	YP/AJ	Ok
16	AR1248ICC750	PO112427.D	23 Jul 2025 15:31	YP/AJ	Ok
17	AR1248ICC500	PO112428.D	23 Jul 2025 15:48	YP/AJ	Ok
18	AR1248ICC250	PO112429.D	23 Jul 2025 16:07	YP/AJ	Ok
19	AR1248ICC050	PO112430.D	23 Jul 2025 16:25	YP/AJ	Ok,M
20	AR1254ICC1000	PO112431.D	23 Jul 2025 16:44	YP/AJ	Ok
21	AR1254ICC750	PO112432.D	23 Jul 2025 17:02	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO072325

Review By	yogesh	Review On	7/23/2025 3:39:31 PM		
Supervise By	mohammad	Supervise On	7/25/2025 3:53:10 AM		
SubDirectory	PO072325	HP Acquire Method		HP Processing Method	PO072325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PO112433.D	23 Jul 2025 17:21	YP/AJ	Ok
23	AR1254ICC250	PO112434.D	23 Jul 2025 17:39	YP/AJ	Ok
24	AR1254ICC050	PO112435.D	23 Jul 2025 17:57	YP/AJ	Ok,M
25	AR1262ICC500	PO112436.D	23 Jul 2025 18:16	YP/AJ	Ok
26	AR1268ICC1000	PO112437.D	23 Jul 2025 18:34	YP/AJ	Ok
27	AR1268ICC750	PO112438.D	23 Jul 2025 18:53	YP/AJ	Ok
28	AR1268ICC500	PO112439.D	23 Jul 2025 19:11	YP/AJ	Ok
29	AR1268ICC250	PO112440.D	23 Jul 2025 19:28	YP/AJ	Ok
30	AR1268ICC050	PO112441.D	23 Jul 2025 19:47	YP/AJ	Ok
31	PO072325ICV500	PO112442.D	23 Jul 2025 20:05	YP/AJ	Ok
32	AR1242ICV500	PO112443.D	23 Jul 2025 20:42	YP/AJ	Ok
33	AR1248ICV500	PO112444.D	23 Jul 2025 21:18	YP/AJ	Ok
34	AR1254ICV500	PO112445.D	23 Jul 2025 21:54	YP/AJ	Ok
35	AR1268ICV500	PO112446.D	23 Jul 2025 22:31	YP/AJ	Ok
36	DDT ANALOG	PO112447.D	23 Jul 2025 23:07	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO081225

Review By	yogesh	Review On	8/12/2025 10:12:49 AM		
Supervise By	mohammad	Supervise On	8/14/2025 1:21:40 AM		
SubDirectory	PO081225	HP Acquire Method		HP Processing Method	PO072325

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	PO112849.D	12 Aug 2025 08:35	YP/AJ	Ok
2	AR1660CCC500	PO112850.D	12 Aug 2025 08:54	YP/AJ	Ok,M
3	AR1242CCC500	PO112851.D	12 Aug 2025 09:12	YP/AJ	Ok,M
4	AR1248CCC500	PO112852.D	12 Aug 2025 09:29	YP/AJ	Ok,M
5	AR1254CCC500	PO112853.D	12 Aug 2025 09:48	YP/AJ	Ok
6	I.BLK	PO112854.D	12 Aug 2025 10:05	YP/AJ	Ok
7	DDT ANALOG	PO112855.D	12 Aug 2025 10:24	YP/AJ	Ok
8	Q2808-01DL	PO112856.D	12 Aug 2025 10:42	YP/AJ	Ok,M
9	Q2807-02	PO112857.D	12 Aug 2025 11:01	YP/AJ	Ok
10	Q2818-01	PO112858.D	12 Aug 2025 12:50	YP/AJ	Ok,M
11	Q2818-02	PO112859.D	12 Aug 2025 13:08	YP/AJ	Ok
12	Q2819-06	PO112860.D	12 Aug 2025 13:26	YP/AJ	Ok
13	Q2819-11	PO112861.D	12 Aug 2025 13:43	YP/AJ	Ok
14	Q2819-14	PO112862.D	12 Aug 2025 14:01	YP/AJ	Ok
15	Q2820-09	PO112863.D	12 Aug 2025 14:20	YP/AJ	ReRun
16	Q2820-10	PO112864.D	12 Aug 2025 14:38	YP/AJ	Ok
17	AR1660CCC500	PO112865.D	12 Aug 2025 15:50	YP/AJ	Ok,M
18	AR1242CCC500	PO112866.D	12 Aug 2025 16:07	YP/AJ	Ok,M
19	AR1248CCC500	PO112867.D	12 Aug 2025 16:25	YP/AJ	Ok
20	AR1254CCC500	PO112868.D	12 Aug 2025 16:42	YP/AJ	Ok
21	I.BLK	PO112869.D	12 Aug 2025 17:00	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO081225

Review By	yogesh	Review On	8/12/2025 10:12:49 AM		
Supervise By	mohammad	Supervise On	8/14/2025 1:21:40 AM		
SubDirectory	PO081225	HP Acquire Method		HP Processing Method	PO072325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2820-24	PO112870.D	12 Aug 2025 17:19	YP/AJ	Ok
23	Q2823-01	PO112871.D	12 Aug 2025 17:37	YP/AJ	Ok,M
24	Q2826-01	PO112872.D	12 Aug 2025 17:56	YP/AJ	Ok
25	Q2827-01	PO112873.D	12 Aug 2025 18:14	YP/AJ	Dilution
26	Q2827-05	PO112874.D	12 Aug 2025 18:31	YP/AJ	Ok
27	Q2830-03	PO112875.D	12 Aug 2025 18:49	YP/AJ	Ok
28	Q2839-01	PO112876.D	12 Aug 2025 19:06	YP/AJ	Ok,M
29	Q2839-02	PO112877.D	12 Aug 2025 19:24	YP/AJ	Ok,M
30	Q2839-03	PO112878.D	12 Aug 2025 19:42	YP/AJ	Ok
31	Q2839-04	PO112879.D	12 Aug 2025 19:59	YP/AJ	Ok,M
32	AR1660CCC500	PO112880.D	12 Aug 2025 21:09	YP/AJ	Ok,M
33	AR1242CCC500	PO112881.D	12 Aug 2025 22:02	YP/AJ	Ok,M
34	AR1248CCC500	PO112882.D	12 Aug 2025 22:21	YP/AJ	Ok
35	AR1254CCC500	PO112883.D	12 Aug 2025 22:38	YP/AJ	Ok
36	I.BLK	PO112884.D	12 Aug 2025 22:56	YP/AJ	Ok
37	Q2839-05	PO112885.D	12 Aug 2025 23:15	YP/AJ	Ok
38	Q2839-06	PO112886.D	12 Aug 2025 23:33	YP/AJ	Ok
39	Q2839-07	PO112887.D	12 Aug 2025 23:51	YP/AJ	Ok,M
40	Q2839-08	PO112888.D	13 Aug 2025 00:09	YP/AJ	Ok,M
41	Q2839-09	PO112889.D	13 Aug 2025 00:27	YP/AJ	Ok
42	AR1660CCC500	PO112890.D	13 Aug 2025 01:41	YP/AJ	Ok,M
43	AR1242CCC500	PO112891.D	13 Aug 2025 02:34	YP/AJ	Ok,M
44	AR1248CCC500	PO112892.D	13 Aug 2025 02:52	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO081225

Review By	yogesh	Review On	8/12/2025 10:12:49 AM		
Supervise By	mohammad	Supervise On	8/14/2025 1:21:40 AM		
SubDirectory	PO081225	HP Acquire Method		HP Processing Method	PO072325

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	AR1254CCC500	PO112893.D	13 Aug 2025 03:11	YP/AJ	Ok,M
46	I.BLK	PO112894.D	13 Aug 2025 03:29	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP080125

Review By	yogesh	Review On	8/1/2025 3:30:36 PM		
Supervise By	mohammad	Supervise On	8/8/2025 7:37:53 AM		
SubDirectory	PP080125	HP Acquire Method		HP Processing Method	PP080125

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	PP074166.D	01 Aug 2025 11:33	YP\AJ	Ok
2	I.BLK	PP074167.D	01 Aug 2025 11:49	YP\AJ	Ok
3	AR1660ICC1000	PP074168.D	01 Aug 2025 12:05	YP\AJ	Ok
4	AR1660ICC750	PP074169.D	01 Aug 2025 12:22	YP\AJ	Ok
5	AR1660ICC500	PP074170.D	01 Aug 2025 12:38	YP\AJ	Ok
6	AR1660ICC250	PP074171.D	01 Aug 2025 12:54	YP\AJ	Ok,M
7	AR1660ICC050	PP074172.D	01 Aug 2025 13:42	YP\AJ	Ok,M
8	AR1221ICC500	PP074173.D	01 Aug 2025 13:58	YP\AJ	Ok
9	AR1232ICC500	PP074174.D	01 Aug 2025 14:15	YP\AJ	Ok,M
10	AR1242ICC1000	PP074175.D	01 Aug 2025 14:31	YP\AJ	Ok,M
11	AR1242ICC750	PP074176.D	01 Aug 2025 14:47	YP\AJ	Ok,M
12	AR1242ICC500	PP074177.D	01 Aug 2025 15:03	YP\AJ	Ok,M
13	AR1242ICC250	PP074178.D	01 Aug 2025 15:19	YP\AJ	Ok,M
14	AR1242ICC050	PP074179.D	01 Aug 2025 15:36	YP\AJ	Ok,M
15	AR1248ICC1000	PP074180.D	01 Aug 2025 16:24	YP\AJ	Not Ok
16	AR1248ICC750	PP074181.D	01 Aug 2025 16:41	YP\AJ	Not Ok
17	AR1248ICC500	PP074182.D	01 Aug 2025 16:57	YP\AJ	Ok,M
18	AR1248ICC250	PP074183.D	01 Aug 2025 17:13	YP\AJ	Not Ok
19	AR1248ICC050	PP074184.D	01 Aug 2025 17:45	YP\AJ	Not Ok
20	AR1254ICC1000	PP074185.D	01 Aug 2025 18:02	YP\AJ	Ok,M
21	AR1254ICC750	PP074186.D	01 Aug 2025 18:18	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP080125

Review By	yogesh	Review On	8/1/2025 3:30:36 PM		
Supervise By	mohammad	Supervise On	8/8/2025 7:37:53 AM		
SubDirectory	PP080125	HP Acquire Method		HP Processing Method	PP080125

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	PP074187.D	01 Aug 2025 18:34	YP\AJ	Ok,M
23	AR1254ICC250	PP074188.D	01 Aug 2025 18:50	YP\AJ	Ok,M
24	AR1254ICC050	PP074189.D	01 Aug 2025 19:23	YP\AJ	Ok,M
25	AR1262ICC500	PP074190.D	01 Aug 2025 19:39	YP\AJ	Ok
26	AR1268ICC1000	PP074191.D	01 Aug 2025 19:55	YP\AJ	Not Ok
27	AR1268ICC750	PP074192.D	01 Aug 2025 20:11	YP\AJ	Not Ok
28	AR1268ICC500	PP074193.D	01 Aug 2025 20:28	YP\AJ	Ok
29	AR1268ICC250	PP074194.D	01 Aug 2025 20:44	YP\AJ	Not Ok
30	AR1268ICC050	PP074195.D	01 Aug 2025 21:00	YP\AJ	Not Ok
31	PP080125ICV500	PP074196.D	01 Aug 2025 21:16	YP\AJ	Ok
32	AR1242ICV500	PP074197.D	01 Aug 2025 22:05	YP\AJ	Ok,M
33	AR1248ICV500	PP074198.D	01 Aug 2025 22:37	YP\AJ	Not Ok
34	AR1254ICV500	PP074199.D	01 Aug 2025 23:10	YP\AJ	Ok,M
35	AR1268ICV500	PP074200.D	01 Aug 2025 23:42	YP\AJ	Not Ok
36	DDT ANALOG	PP074201.D	02 Aug 2025 00:15	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP081225

Review By	yogesh	Review On	8/12/2025 10:13:41 AM		
Supervise By	mohammad	Supervise On	8/14/2025 1:21:51 AM		
SubDirectory	PP081225	HP Acquire Method		HP Processing Method	PP080125

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	PP074301.D	12 Aug 2025 09:35	YP\AJ	Ok
2	AR1660CCC500	PP074302.D	12 Aug 2025 09:51	YP\AJ	Ok
3	AR1242CCC500	PP074303.D	12 Aug 2025 10:11	YP\AJ	Ok,M
4	AR1254CCC500	PP074304.D	12 Aug 2025 10:27	YP\AJ	Ok,M
5	I.BLK	PP074305.D	12 Aug 2025 10:43	YP\AJ	Ok
6	DDT ANALOG	PP074306.D	12 Aug 2025 10:59	YP\AJ	Ok
7	PP24799	PP074307.D	12 Aug 2025 11:16	YP\AJ	Ok,M
8	PB169205BL	PP074308.D	12 Aug 2025 12:48	YP\AJ	Ok
9	PB169205BS	PP074309.D	12 Aug 2025 13:05	YP\AJ	Ok,M
10	Q2830-01	PP074310.D	12 Aug 2025 13:21	YP\AJ	Ok,M
11	Q2830-01MS	PP074311.D	12 Aug 2025 13:37	YP\AJ	Ok,M
12	Q2830-01MSD	PP074312.D	12 Aug 2025 13:53	YP\AJ	Ok,M
13	Q2830-05	PP074313.D	12 Aug 2025 14:10	YP\AJ	Ok
14	Q2830-07	PP074314.D	12 Aug 2025 14:26	YP\AJ	Ok,M
15	Q2831-01	PP074315.D	12 Aug 2025 14:42	YP\AJ	Ok
16	AR1660CCC500	PP074316.D	12 Aug 2025 15:48	YP\AJ	Ok,M
17	AR1242CCC500	PP074317.D	12 Aug 2025 16:20	YP\AJ	Ok,M
18	AR1254CCC500	PP074318.D	12 Aug 2025 16:37	YP\AJ	Ok,M
19	I.BLK	PP074319.D	12 Aug 2025 16:53	YP\AJ	Ok
20	PB169220BL	PP074320.D	12 Aug 2025 17:26	YP\AJ	Ok
21	PB169220BS	PP074321.D	12 Aug 2025 17:42	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP081225

Review By	yogesh	Review On	8/12/2025 10:13:41 AM		
Supervise By	mohammad	Supervise On	8/14/2025 1:21:51 AM		
SubDirectory	PP081225	HP Acquire Method		HP Processing Method	PP080125

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	Q2839-10	PP074322.D	12 Aug 2025 17:58	YP\AJ	Ok,M
23	Q2839-11	PP074323.D	12 Aug 2025 18:14	YP\AJ	Ok,M
24	Q2839-12	PP074324.D	12 Aug 2025 18:31	YP\AJ	Ok,M
25	Q2839-13	PP074325.D	12 Aug 2025 18:47	YP\AJ	Ok,M
26	Q2839-14	PP074326.D	12 Aug 2025 19:03	YP\AJ	Ok,M
27	Q2839-15	PP074327.D	12 Aug 2025 19:20	YP\AJ	Ok,M
28	Q2839-16	PP074328.D	12 Aug 2025 19:36	YP\AJ	Ok,M
29	AR1660CCC500	PP074329.D	12 Aug 2025 20:41	YP\AJ	Ok
30	AR1242CCC500	PP074330.D	12 Aug 2025 21:30	YP\AJ	Ok,M
31	AR1254CCC500	PP074331.D	12 Aug 2025 21:46	YP\AJ	Ok,M
32	I.BLK	PP074332.D	12 Aug 2025 22:02	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO072325

Review By	yogesh	Review On	7/23/2025 3:39:31 PM		
Supervise By	mohammad	Supervise On	7/25/2025 3:53:10 AM		
SubDirectory	PO072325	HP Acquire Method		HP Processing Method	PO072325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO112412.D	23 Jul 2025 10:56		YP/AJ	Ok
2	I.BLK	I.BLK	PO112413.D	23 Jul 2025 11:14		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO112414.D	23 Jul 2025 11:32		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO112415.D	23 Jul 2025 11:50		YP/AJ	Ok
5	AR1660ICC500	AR1660ICC500	PO112416.D	23 Jul 2025 12:08		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO112417.D	23 Jul 2025 12:27		YP/AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PO112418.D	23 Jul 2025 12:45		YP/AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PO112419.D	23 Jul 2025 13:03		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO112420.D	23 Jul 2025 13:22		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO112421.D	23 Jul 2025 13:40		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO112422.D	23 Jul 2025 13:59		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO112423.D	23 Jul 2025 14:17		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO112424.D	23 Jul 2025 14:36		YP/AJ	Ok,M
14	AR1242ICC050	AR1242ICC050	PO112425.D	23 Jul 2025 14:54		YP/AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PO112426.D	23 Jul 2025 15:13		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO112427.D	23 Jul 2025 15:31		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO112428.D	23 Jul 2025 15:48		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO112429.D	23 Jul 2025 16:07		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO072325

Review By	yogesh	Review On	7/23/2025 3:39:31 PM		
Supervise By	mohammad	Supervise On	7/25/2025 3:53:10 AM		
SubDirectory	PO072325	HP Acquire Method		HP Processing Method	PO072325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC050	AR1248ICC050	PO112430.D	23 Jul 2025 16:25		YP/AJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PO112431.D	23 Jul 2025 16:44		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO112432.D	23 Jul 2025 17:02		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO112433.D	23 Jul 2025 17:21		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO112434.D	23 Jul 2025 17:39		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO112435.D	23 Jul 2025 17:57		YP/AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PO112436.D	23 Jul 2025 18:16		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO112437.D	23 Jul 2025 18:34		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO112438.D	23 Jul 2025 18:53		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO112439.D	23 Jul 2025 19:11		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO112440.D	23 Jul 2025 19:28		YP/AJ	Ok
30	AR1268ICC050	AR1268ICC050	PO112441.D	23 Jul 2025 19:47		YP/AJ	Ok
31	PO072325ICV500	ICVPO072325	PO112442.D	23 Jul 2025 20:05		YP/AJ	Ok
32	AR1242ICV500	ICVPO072325AR1242	PO112443.D	23 Jul 2025 20:42		YP/AJ	Ok
33	AR1248ICV500	ICVPO072325AR1248	PO112444.D	23 Jul 2025 21:18		YP/AJ	Ok
34	AR1254ICV500	ICVPO072325AR1254	PO112445.D	23 Jul 2025 21:54		YP/AJ	Ok
35	AR1268ICV500	ICVPO072325AR1268	PO112446.D	23 Jul 2025 22:31		YP/AJ	Ok
36	DDT ANALOG	DDT ANALOG	PO112447.D	23 Jul 2025 23:07		YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO081225

Review By	yogesh	Review On	8/12/2025 10:12:49 AM		
Supervise By	mohammad	Supervise On	8/14/2025 1:21:40 AM		
SubDirectory	PO081225	HP Acquire Method		HP Processing Method	PO072325

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	PO112849.D	12 Aug 2025 08:35		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO112850.D	12 Aug 2025 08:54		YP/AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PO112851.D	12 Aug 2025 09:12		YP/AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PO112852.D	12 Aug 2025 09:29		YP/AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PO112853.D	12 Aug 2025 09:48		YP/AJ	Ok
6	I.BLK	I.BLK	PO112854.D	12 Aug 2025 10:05		YP/AJ	Ok
7	DDT ANALOG	DDT ANALOG	PO112855.D	12 Aug 2025 10:24		YP/AJ	Ok
8	Q2808-01DL	TP-7DL	PO112856.D	12 Aug 2025 10:42	AR1242 + 1254 Hit	YP/AJ	Ok,M
9	Q2807-02	COMP-5	PO112857.D	12 Aug 2025 11:01		YP/AJ	Ok
10	Q2818-01	B-2-5-1	PO112858.D	12 Aug 2025 12:50		YP/AJ	Ok,M
11	Q2818-02	B-3-5-2	PO112859.D	12 Aug 2025 13:08		YP/AJ	Ok
12	Q2819-06	11M-S	PO112860.D	12 Aug 2025 13:26		YP/AJ	Ok
13	Q2819-11	84SB-W	PO112861.D	12 Aug 2025 13:43	DCB low in 1ST column	YP/AJ	Ok
14	Q2819-14	17M-W	PO112862.D	12 Aug 2025 14:01		YP/AJ	Ok
15	Q2820-09	705R-S	PO112863.D	12 Aug 2025 14:20	DCB low both column	YP/AJ	ReRun
16	Q2820-10	SOIL-DUP-2	PO112864.D	12 Aug 2025 14:38		YP/AJ	Ok
17	AR1660CCC500	AR1660CCC500	PO112865.D	12 Aug 2025 15:50		YP/AJ	Ok,M
18	AR1242CCC500	AR1242CCC500	PO112866.D	12 Aug 2025 16:07		YP/AJ	Ok,M

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Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO081225

Review By	yogesh	Review On	8/12/2025 10:12:49 AM		
Supervise By	mohammad	Supervise On	8/14/2025 1:21:40 AM		
SubDirectory	PO081225	HP Acquire Method		HP Processing Method	PO072325

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	PO112867.D	12 Aug 2025 16:25		YP/AJ	Ok
20	AR1254CCC500	AR1254CCC500	PO112868.D	12 Aug 2025 16:42	TCMX high in 1st column	YP/AJ	Ok
21	I.BLK	I.BLK	PO112869.D	12 Aug 2025 17:00		YP/AJ	Ok
22	Q2820-24	22M-S	PO112870.D	12 Aug 2025 17:19		YP/AJ	Ok
23	Q2823-01	SU-04-081125	PO112871.D	12 Aug 2025 17:37		YP/AJ	Ok,M
24	Q2826-01	WC1	PO112872.D	12 Aug 2025 17:56	AR1254 Hit	YP/AJ	Ok
25	Q2827-01	TP-8	PO112873.D	12 Aug 2025 18:14	AR1248 & AR1260 Hit , Need 2x dilution	YP/AJ	Dilution
26	Q2827-05	TP-9	PO112874.D	12 Aug 2025 18:31	AR1260 Hit	YP/AJ	Ok
27	Q2830-03	BIN0009-DRIVEWAY-T	PO112875.D	12 Aug 2025 18:49	DCB high in 2nd column	YP/AJ	Ok
28	Q2839-01	BC274436-1-1	PO112876.D	12 Aug 2025 19:06		YP/AJ	Ok,M
29	Q2839-02	BC274436-1-2	PO112877.D	12 Aug 2025 19:24		YP/AJ	Ok,M
30	Q2839-03	BC151973-1-1	PO112878.D	12 Aug 2025 19:42		YP/AJ	Ok
31	Q2839-04	BC151973-1-2	PO112879.D	12 Aug 2025 19:59	AR1254 Hit	YP/AJ	Ok,M
32	AR1660CCC500	AR1660CCC500	PO112880.D	12 Aug 2025 21:09		YP/AJ	Ok,M
33	AR1242CCC500	AR1242CCC500	PO112881.D	12 Aug 2025 22:02		YP/AJ	Ok,M
34	AR1248CCC500	AR1248CCC500	PO112882.D	12 Aug 2025 22:21		YP/AJ	Ok
35	AR1254CCC500	AR1254CCC500	PO112883.D	12 Aug 2025 22:38	TCMX high in 1st column	YP/AJ	Ok
36	I.BLK	I.BLK	PO112884.D	12 Aug 2025 22:56		YP/AJ	Ok
37	Q2839-05	BC271336-1-1	PO112885.D	12 Aug 2025 23:15		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO081225

Review By	yogesh	Review On	8/12/2025 10:12:49 AM		
Supervise By	mohammad	Supervise On	8/14/2025 1:21:40 AM		
SubDirectory	PO081225	HP Acquire Method		HP Processing Method	PO072325

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	Q2839-06	BC271336-1-2	PO112886.D	12 Aug 2025 23:33		YP/AJ	Ok
39	Q2839-07	BC271242-1-1	PO112887.D	12 Aug 2025 23:51	AR1254 Hit	YP/AJ	Ok,M
40	Q2839-08	BC271242-1-2	PO112888.D	13 Aug 2025 00:09		YP/AJ	Ok,M
41	Q2839-09	BC271242-2-1	PO112889.D	13 Aug 2025 00:27		YP/AJ	Ok
42	AR1660CCC500	AR1660CCC500	PO112890.D	13 Aug 2025 01:41		YP/AJ	Ok,M
43	AR1242CCC500	AR1242CCC500	PO112891.D	13 Aug 2025 02:34		YP/AJ	Ok,M
44	AR1248CCC500	AR1248CCC500	PO112892.D	13 Aug 2025 02:52		YP/AJ	Ok
45	AR1254CCC500	AR1254CCC500	PO112893.D	13 Aug 2025 03:11	TCMX high in 1st column	YP/AJ	Ok,M
46	I.BLK	I.BLK	PO112894.D	13 Aug 2025 03:29		YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP080125

Review By	yogesh	Review On	8/1/2025 3:30:36 PM		
Supervise By	mohammad	Supervise On	8/8/2025 7:37:53 AM		
SubDirectory	PP080125	HP Acquire Method		HP Processing Method	PP080125

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	PP074166.D	01 Aug 2025 11:33		YP\AJ	Ok
2	I.BLK	I.BLK	PP074167.D	01 Aug 2025 11:49		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP074168.D	01 Aug 2025 12:05		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP074169.D	01 Aug 2025 12:22		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP074170.D	01 Aug 2025 12:38		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP074171.D	01 Aug 2025 12:54		YP\AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PP074172.D	01 Aug 2025 13:42		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP074173.D	01 Aug 2025 13:58		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PP074174.D	01 Aug 2025 14:15		YP\AJ	Ok,M
10	AR1242ICC1000	AR1242ICC1000	PP074175.D	01 Aug 2025 14:31		YP\AJ	Ok,M
11	AR1242ICC750	AR1242ICC750	PP074176.D	01 Aug 2025 14:47		YP\AJ	Ok,M
12	AR1242ICC500	AR1242ICC500	PP074177.D	01 Aug 2025 15:03		YP\AJ	Ok,M
13	AR1242ICC250	AR1242ICC250	PP074178.D	01 Aug 2025 15:19		YP\AJ	Ok,M
14	AR1242ICC050	AR1242ICC050	PP074179.D	01 Aug 2025 15:36		YP\AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PP074180.D	01 Aug 2025 16:24	Not Use	YP\AJ	Not Ok
16	AR1248ICC750	AR1248ICC750	PP074181.D	01 Aug 2025 16:41	Not Use	YP\AJ	Not Ok
17	AR1248ICC500	AR1248ICC500	PP074182.D	01 Aug 2025 16:57		YP\AJ	Ok,M
18	AR1248ICC250	AR1248ICC250	PP074183.D	01 Aug 2025 17:13	Not Use	YP\AJ	Not Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP080125

Review By	yogesh	Review On	8/1/2025 3:30:36 PM		
Supervise By	mohammad	Supervise On	8/8/2025 7:37:53 AM		
SubDirectory	PP080125	HP Acquire Method		HP Processing Method	PP080125

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	PP074184.D	01 Aug 2025 17:45	Not Use	YP\AJ	Not Ok
20	AR1254ICC1000	AR1254ICC1000	PP074185.D	01 Aug 2025 18:02		YP\AJ	Ok,M
21	AR1254ICC750	AR1254ICC750	PP074186.D	01 Aug 2025 18:18		YP\AJ	Ok,M
22	AR1254ICC500	AR1254ICC500	PP074187.D	01 Aug 2025 18:34		YP\AJ	Ok,M
23	AR1254ICC250	AR1254ICC250	PP074188.D	01 Aug 2025 18:50		YP\AJ	Ok,M
24	AR1254ICC050	AR1254ICC050	PP074189.D	01 Aug 2025 19:23		YP\AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP074190.D	01 Aug 2025 19:39		YP\AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PP074191.D	01 Aug 2025 19:55	Not Use	YP\AJ	Not Ok
27	AR1268ICC750	AR1268ICC750	PP074192.D	01 Aug 2025 20:11	Not Use	YP\AJ	Not Ok
28	AR1268ICC500	AR1268ICC500	PP074193.D	01 Aug 2025 20:28		YP\AJ	Ok
29	AR1268ICC250	AR1268ICC250	PP074194.D	01 Aug 2025 20:44	Not Use	YP\AJ	Not Ok
30	AR1268ICC050	AR1268ICC050	PP074195.D	01 Aug 2025 21:00	Not Use	YP\AJ	Not Ok
31	PP080125ICV500	ICVPP080125	PP074196.D	01 Aug 2025 21:16		YP\AJ	Ok
32	AR1242ICV500	ICVPP080125AR1242	PP074197.D	01 Aug 2025 22:05		YP\AJ	Ok,M
33	AR1248ICV500	ICVPP080125AR1248	PP074198.D	01 Aug 2025 22:37	Not Use	YP\AJ	Not Ok
34	AR1254ICV500	ICVPP080125AR1254	PP074199.D	01 Aug 2025 23:10		YP\AJ	Ok,M
35	AR1268ICV500	ICVPP080125AR1268	PP074200.D	01 Aug 2025 23:42	Not Use	YP\AJ	Not Ok
36	DDT ANALOG	DDT ANALOG	PP074201.D	02 Aug 2025 00:15		YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP081225

Review By	yogesh	Review On	8/12/2025 10:13:41 AM		
Supervise By	mohammad	Supervise On	8/14/2025 1:21:51 AM		
SubDirectory	PP081225	HP Acquire Method		HP Processing Method	PP080125

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	PP074301.D	12 Aug 2025 09:35		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP074302.D	12 Aug 2025 09:51	AR1016-02& TCMX high in sec column	YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PP074303.D	12 Aug 2025 10:11	TCMX high in sec column	YP\AJ	Ok,M
4	AR1254CCC500	AR1254CCC500	PP074304.D	12 Aug 2025 10:27	TCMX high in sec column	YP\AJ	Ok,M
5	I.BLK	I.BLK	PP074305.D	12 Aug 2025 10:43		YP\AJ	Ok
6	DDT ANALOG	DDT ANALOG	PP074306.D	12 Aug 2025 10:59		YP\AJ	Ok
7	PP24799	PP24799	PP074307.D	12 Aug 2025 11:16		YP\AJ	Ok,M
8	PB169205BL	PB169205BL	PP074308.D	12 Aug 2025 12:48		YP\AJ	Ok
9	PB169205BS	PB169205BS	PP074309.D	12 Aug 2025 13:05		YP\AJ	Ok,M
10	Q2830-01	BIN0009-DRIVEWAY-T	PP074310.D	12 Aug 2025 13:21		YP\AJ	Ok,M
11	Q2830-01MS	BIN0009-DRIVEWAY-T	PP074311.D	12 Aug 2025 13:37		YP\AJ	Ok,M
12	Q2830-01MSD	BIN0009-DRIVEWAY-T	PP074312.D	12 Aug 2025 13:53		YP\AJ	Ok,M
13	Q2830-05	BIN0009-DRIVEWAY-T	PP074313.D	12 Aug 2025 14:10		YP\AJ	Ok
14	Q2830-07	BIN0009-DRIVEWAY-T	PP074314.D	12 Aug 2025 14:26		YP\AJ	Ok,M
15	Q2831-01	VNJ-238	PP074315.D	12 Aug 2025 14:42		YP\AJ	Ok
16	AR1660CCC500	AR1660CCC500	PP074316.D	12 Aug 2025 15:48		YP\AJ	Ok,M
17	AR1242CCC500	AR1242CCC500	PP074317.D	12 Aug 2025 16:20	TCMX high in 2nd column	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP081225

Review By	yogesh	Review On	8/12/2025 10:13:41 AM		
Supervise By	mohammad	Supervise On	8/14/2025 1:21:51 AM		
SubDirectory	PP081225	HP Acquire Method		HP Processing Method	PP080125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	AR1254CCC500	AR1254CCC500	PP074318.D	12 Aug 2025 16:37		YP\AJ	Ok,M
19	I.BLK	I.BLK	PP074319.D	12 Aug 2025 16:53		YP\AJ	Ok
20	PB169220BL	PB169220BL	PP074320.D	12 Aug 2025 17:26		YP\AJ	Ok
21	PB169220BS	PB169220BS	PP074321.D	12 Aug 2025 17:42		YP\AJ	Ok
22	Q2839-10	BC271242-2-2	PP074322.D	12 Aug 2025 17:58		YP\AJ	Ok,M
23	Q2839-11	BC226751-1-1	PP074323.D	12 Aug 2025 18:14		YP\AJ	Ok,M
24	Q2839-12	BC226751-1-2	PP074324.D	12 Aug 2025 18:31		YP\AJ	Ok,M
25	Q2839-13	BC226751-2-1	PP074325.D	12 Aug 2025 18:47	AR1254 Hit	YP\AJ	Ok,M
26	Q2839-14	BC226751-2-2	PP074326.D	12 Aug 2025 19:03		YP\AJ	Ok,M
27	Q2839-15	JEC773V-1-1	PP074327.D	12 Aug 2025 19:20	TCMX low in 2nd column	YP\AJ	Ok,M
28	Q2839-16	JEC773V-1-2	PP074328.D	12 Aug 2025 19:36		YP\AJ	Ok,M
29	AR1660CCC500	AR1660CCC500	PP074329.D	12 Aug 2025 20:41		YP\AJ	Ok
30	AR1242CCC500	AR1242CCC500	PP074330.D	12 Aug 2025 21:30	TCMX high in 2nd column	YP\AJ	Ok,M
31	AR1254CCC500	AR1254CCC500	PP074331.D	12 Aug 2025 21:46	TCMX high in 2nd column	YP\AJ	Ok,M
32	I.BLK	I.BLK	PP074332.D	12 Aug 2025 22:02		YP\AJ	Ok

M : Manual Integration

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EXTRACTION LOGPAGE

PB169205

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: Acid Cleanup

Matrix : Solid

Weigh By: RJ

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 08/12/2025

Extraction Start Time : 08:15

Extraction End Date : 08/12/2025

Extraction End Time : 11:30

Concentration By: RS

Supervisor By : RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24650
Surrogate	1.0ML	200 PPB	PP24663
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	EP2627
Baked Na2SO4	N/A	EP2632
Sand	N/A	E3951
Hexane	N/A	E3962
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/12/25	RS (Ext lab)	Y. P. Post/PCB.
11:35	**Preparation Group**	**Analysis Group**

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EXTRACTION LOGPAGE

PrepBatch ID : PB169205

Analytical Method: N/A

Concentration Date: 08/12/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169205BL	ABLK205	PCB	30.03	N/A	ritesh	RUPESH	10			U1-1
PB169205BS	ALCS205	PCB	30.01	N/A	ritesh	RUPESH	10			2
Q2818-01	B-2-5-1	PCB	30.07	N/A	ritesh	RUPESH	10	B		3
Q2818-02	B-3-5-2	PCB	30.03	N/A	ritesh	RUPESH	10	B		4
Q2819-06	11M-S	PCB	30.05	N/A	ritesh	RUPESH	10	E		5
Q2819-11	84SB-W	PCB	30.02	N/A	ritesh	RUPESH	10	E		6
Q2819-14	17M-W	PCB	30.08	N/A	ritesh	RUPESH	10	E		U2-1
Q2820-09	705R-S	PCB	30.06	N/A	ritesh	RUPESH	10	E		2
Q2820-10	SOIL-DUP-2	PCB	30.09	N/A	ritesh	RUPESH	10	E		3
Q2820-24	22M-S	PCB	30.01	N/A	ritesh	RUPESH	10	E		4
Q2823-01	SU-04-081125	PCB	30.04	N/A	ritesh	RUPESH	10	E		5
Q2826-01	WC1	PCB	30.08	N/A	ritesh	RUPESH	10			6
Q2827-01	TP-8	PCB	30.07	N/A	ritesh	RUPESH	10	E		U3-1
Q2827-05	TP-9	PCB	30.02	N/A	ritesh	RUPESH	10	E	Gasoline Smell	2
Q2830-01	BIN0009-DRIVEWAY-TP-SOUTH-EAST	PCB	30.06	N/A	ritesh	RUPESH	10	E		3
Q2830-01MS	BIN0009-DRIVEWAY-TP-SOUTH-EASTMS	PCB	30.01	N/A	ritesh	RUPESH	10	E		4
Q2830-01MSD	BIN0009-DRIVEWAY-TP-SOUTH-EASTMSD	PCB	30.03	N/A	ritesh	RUPESH	10	E		5
Q2830-03	BIN0009-DRIVEWAY-TP-WEST	PCB	30.09	N/A	ritesh	RUPESH	10	E		6
Q2830-05	BIN0009-DRIVEWAY-TP-WESTSIDE	PCB	30.06	N/A	ritesh	RUPESH	10	E		U6-1
Q2830-07	BIN0009-DRIVEWAY-TP-EASTSIDE	PCB	30.04	N/A	ritesh	RUPESH	10	E		2
Q2831-01	VNJ-238	PCB	30.08	N/A	ritesh	RUPESH	10	B		3

RJ 8/12

* **Extracts relinquished on the same date as received.**

Q2818 8/12/25 8:15

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2818 **WorkList ID :** 191213 **Department :** Extraction **Date :** 08-12-2025 08:10:04

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2818-01	B-2-5-1	Solid	PCB	Cool 4 deg C	EARTH03		08/11/2025	8082A
Q2818-02	B-3-5-2	Solid	PCB	Cool 4 deg C	EARTH03		08/11/2025	8082A
Q2819-06	11M-S	Solid	PCB	Cool 4 deg C	FIRS02	D31	08/05/2025	8082A
Q2819-11	84SB-W	Solid	PCB	Cool 4 deg C	FIRS02	D31	08/05/2025	8082A
Q2819-14	17M-W	Solid	PCB	Cool 4 deg C	FIRS02	D31	08/05/2025	8082A
Q2820-09	705R-S	Solid	PCB	Cool 4 deg C	FIRS02	D31	08/07/2025	8082A
Q2820-10	SOIL-DUP-2	Solid	PCB	Cool 4 deg C	FIRS02	D31	08/07/2025	8082A
Q2820-24	22M-S	Solid	PCB	Cool 4 deg C	FIRS02	D31	08/08/2025	8082A
Q2823-01	SU-04-081125	Solid	PCB	Cool 4 deg C	PSEG05	D31	08/11/2025	8082A
Q2826-01	WC1	Solid	PCB	Cool 4 deg C	GENV01	D31	08/11/2025	8082A
Q2827-01	TP-8	Solid	PCB	Cool 4 deg C	PSEG03	D31	08/11/2025	8082A
Q2827-05	TP-9	Solid	PCB	Cool 4 deg C	PSEG03	D31	08/11/2025	8082A
Q2830-01	BIN009-DRIVEWAY-TP-SOUTH	Solid	PCB	Cool 4 deg C	PSEG03	D31	08/11/2025	8082A
Q2830-03	BIN009-DRIVEWAY-TP-WEST	Solid	PCB	Cool 4 deg C	PSEG03	D31	08/11/2025	8082A
Q2830-05	BIN009-DRIVEWAY-TP-WEST5	Solid	PCB	Cool 4 deg C	PSEG03	D31	08/11/2025	8082A
Q2830-07	BIN009-DRIVEWAY-TP-EASTS	Solid	PCB	Cool 4 deg C	PSEG03	D31	08/11/2025	8082A
Q2831-01	VNJ-238	Solid	PCB	Cool 4 deg C	PSEG03	D21	08/11/2025	8082A

497 of 807

Date/Time 08/12/25 8:10
Raw Sample Received by: RJ (EXT-Lab)
Raw Sample Relinquished by: CR

Date/Time 08/12/25 8:40
Raw Sample Received by: CR
Raw Sample Relinquished by: RJ (EXT-Lab)

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LAB CHRONICLE

OrderID:	Q2818	**OrderDate:**	8/11/2025 11:57:00 AM
Client:	Earth Engineering Inc.	**Project:**	Reserve Turgyan Farms
Contact:	Frank Dougherty, LSRP	**Location:**	J21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2818-01	**B-2-5-1**	**SOIL**			**08/11/25**			**08/11/25**
			PCB	8082A		08/12/25	08/12/25	
Q2818-02	**B-3-5-2**	**SOIL**			**08/11/25**			**08/11/25**
			PCB	8082A		08/12/25	08/12/25	

SAMPLE DATA

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Fax : 908 789 8922

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-2-5-1	SDG No.:	Q2818
Lab Sample ID:	Q2818-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/12/25 08:45	08/13/25 9:17	PB169207

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	177		10	13.5	22.8	mg/kg	FE055283.D
Aliphatic C9-C28	Aliphatic C9-C28	88.4		1	1.04	4.56	mg/kg	FE055259.D
Total AliphaticEPH	Total AliphaticEPH	265			14.5	27.4	mg/kg	
Total EPH	Total EPH	265			14.5	27.4	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Fax : 908 789 8922

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-2-5-1	SDG No.:	Q2818
Lab Sample ID:	Q2818-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055259.D	1	08/12/25	08/12/25	PB169207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	88.4		1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	162	E	1.35	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	59.1		40 - 140	118%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	57.3		40 - 140	115%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2818-01	Acq On:	12 Aug 2025 16:27
Client Sample ID:	B-2-5-1	Operator:	YP\AJ
Data file:	FE055259.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.323	6.959	3118496	26.703	300	ug/ml
Aliphatic C12-C16	6.960	10.413	10124600	80.85	200	ug/ml
Aliphatic C16-C21	10.414	13.793	37716984	298.382	300	ug/ml
Aliphatic C21-C28	13.794	17.466	91164955	756.52	400	ug/ml
Aliphatic C28-C40	17.467	22.498	243727810	2140	600	ug/ml
Aliphatic EPH	3.323	22.498	385852845	3300		ug/ml
ortho-Terphenyl (SURR)	12.091	12.091	8181382	57.29		ug/ml
1-chlorooctadecane (SURR)	13.529	13.529	6358946	59.14		ug/ml
Aliphatic C9-C28	3.323	17.466	142125035	1160	1200	ug/ml

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-2-5-1DL	SDG No.:	Q2818
Lab Sample ID:	Q2818-01DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055283.D	10	08/12/25	08/13/25	PB169207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	99.3		10.4	45.6	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	177		13.5	22.8	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	6.61		40 - 140	132%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	6.24		40 - 140	125%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2818-01DL	Acq On:	13 Aug 2025 09:17
Client Sample ID:	B-2-5-1DL	Operator:	YP\AJ
Data file:	FE055283.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.320	6.955	679748	5.821	300	ug/ml
Aliphatic C12-C16	6.956	10.408	2068283	16.516	200	ug/ml
Aliphatic C16-C21	10.409	13.788	7825523	61.908	300	ug/ml
Aliphatic C21-C28	13.789	17.461	5582187	46.323	400	ug/ml
Aliphatic C28-C40	17.462	22.486	26627313	233.599	600	ug/ml
Aliphatic EPH	3.320	22.486	42783054	364.167		ug/ml
ortho-Terphenyl (SURR)	12.083	12.083	891597	6.24		ug/ml
1-chlorooctadecane (SURR)	13.521	13.521	711160	6.61		ug/ml
Aliphatic C9-C28	3.320	17.461	16155741	130.568	1200	ug/ml

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-3-5-2	SDG No.:	Q2818
Lab Sample ID:	Q2818-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/12/25 08:45	08/13/25 9:48	PB169207

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	137		5	6.61	11.2	mg/kg	FE055284.D
Aliphatic C9-C28	Aliphatic C9-C28	60.6		1	1.02	4.48	mg/kg	FE055260.D
Total AliphaticEPH	Total AliphaticEPH	198			7.63	15.7	mg/kg	
Total EPH	Total EPH	198			7.63	15.7	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-3-5-2	SDG No.:	Q2818
Lab Sample ID:	Q2818-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055260.D	1	08/12/25	08/12/25	PB169207

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		60.6		1.02	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		127	E	1.32	2.24	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		48.5		40 - 140	97%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		47.7		40 - 140	95%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2818-02	Acq On:	12 Aug 2025 16:57
Client Sample ID:	B-3-5-2	Operator:	YP\AJ
Data file:	FE055260.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.323	6.959	2939994	25.175	300	ug/ml
Aliphatic C12-C16	6.960	10.413	7929563	63.321	200	ug/ml
Aliphatic C16-C21	10.414	13.793	30479203	241.124	300	ug/ml
Aliphatic C21-C28	13.794	17.466	58136525	482.438	400	ug/ml
Aliphatic C28-C40	17.467	22.498	194490719	1710	600	ug/ml
Aliphatic EPH	3.323	22.498	293976004	2520		ug/ml
ortho-Terphenyl (SURR)	12.091	12.091	6816848	47.74		ug/ml
1-chlorooctadecane (SURR)	13.527	13.527	5219546	48.54		ug/ml
Aliphatic C9-C28	3.323	17.466	99485285	812.058	1200	ug/ml

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-3-5-2DL	SDG No.:	Q2818
Lab Sample ID:	Q2818-02DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055284.D	5	08/12/25	08/13/25	PB169207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	70.3		5.10	22.4	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	137		6.61	11.2	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	10.6		40 - 140	106%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	10.3		40 - 140	103%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2818-02DL	Acq On:	13 Aug 2025 09:48
Client Sample ID:	B-3-5-2DL	Operator:	YP\AJ
Data file:	FE055284.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.320	6.955	698779	5.984	300	ug/ml
Aliphatic C12-C16	6.956	10.408	2999741	23.954	200	ug/ml
Aliphatic C16-C21	10.409	13.788	8146827	64.45	300	ug/ml
Aliphatic C21-C28	13.789	17.461	11291169	93.698	400	ug/ml
Aliphatic C28-C40	17.462	22.486	42098359	369.325	600	ug/ml
Aliphatic EPH	3.320	22.486	65234875	557.412		ug/ml
ortho-Terphenyl (SURR)	12.084	12.084	1465865	10.26		ug/ml
1-chlorooctadecane (SURR)	13.521	13.521	1137612	10.58		ug/ml
Aliphatic C9-C28	3.320	17.461	23136516	188.086	1200	ug/ml

QC SUMMARY

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SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG No.: Q2818

Run Number: FC081225AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB169207BL	74	70		0
PB169207BS	70	66		0
PB169207BSD	70	66		0
BIN0009-DRIVEWAY-TP-WEST	73	69		0
BIN0009-DRIVEWAY-TP-WEST	77	72		0

	QC LIMITS
1-chlorooctadecane (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

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SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG No.: Q2818

Run Number: FE081225AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
B-2-5-1	118	115		0
B-3-5-2	97	95		0

	QC LIMITS
1-chlorooctadecane (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

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SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG No.: Q2818

Run Number: FE081325AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
B-2-5-1DL	132	125		0
B-3-5-2DL	106	103		0

	QC LIMITS
1-chlorooctadecane (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

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SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	Alliance	**Client:**	Earth Engineering Inc.
Lab Code:	ACE	**SDG No:**	Q2818
Sample No :	Q2830-03MS **Datafile:** FC069649.D	**Client ID :**	BIN0009-DRIVEWAY-TP-WESTMS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	35.0	6.87	33.2	75		(40-140)
Aliphatic C9-C28	116.6	2.91	72.4	60		(40-140)

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
n-Nonane (C9)	3.9	0.0027	1.0726	27	*	(40-140)
n-Decane (C10)	3.9	0.0100	2.9390	75		(40-140)
Naphthalene (C11.7)	3.9	0.0110	1.8979	48		(40-140)
n-Dodecane (C12)	3.9	0.0102	1.8543	47		(40-140)
2-methylnaphthalene (C12.89)	3.9	0.0078	2.0260	52		(40-140)
n-Tetradecane (C14)	3.9	0.0068	2.2273	57		(40-140)
n-Hexadecane (C16)	3.9	0.0062	2.4193	62		(40-140)
n-Octadecane (C18)	3.9	0.0134	2.4524	63		(40-140)
n-Eicosane (C20)	3.9	0.0088	2.6068	67		(40-140)
n-Heneicosane (C21)	3.9	0.0076	2.5588	65		(40-140)
n-Docosane (C22)	3.9	0.0137	2.5383	65		(40-140)
n-Tetracosane (C24)	7.8	0.0414	5.1258	65		(40-140)
n-Hexacosane (C26)	3.9	0.0234	2.5367	64		(40-140)
n-Octacosane (C28)	3.9	0.0276	2.5377	64		(40-140)
n-Tricontane (C30)	3.9	0.0559	2.4749	62		(40-140)
n-Dotriacontane (C32)	3.9	0.0999	2.5811	64		(40-140)
n-Tetratriacontane (C34)	3.9	0.0660	2.8600	72		(40-140)
n-Hexatriacontane (C36)	3.9	0.2581	3.2733	77		(40-140)
n-Octatriacontane (C38)	3.9	0.7850	3.7602	76		(40-140)
n-Tetracontane (C40)	3.9	0.0466	3.5367	89		(40-140)

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SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** Earth Engineering Inc.

Lab Code: ACE **SDG No:** Q2818

Sample No : Q2830-03MSD **Datafile:** FC069650.D **Client ID :** BIN0009-DRIVEWAY-TP-WESTMSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD | QC LIMITS (%)	QC Limit Of RPD
Aliphatic C28-C40	35.0	6.87	35.3	81		7.66 | (40-140)	50
Aliphatic C9-C28	116.6	2.91	67.6	56		7.1 | (40-140)	50

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD | QC LIMITS (%)	QC Limit Of RPD
n-Nonane (C9)	3.9	0.0027	1.1279	29	*	7.14 | (40-140)	50
n-Decane (C10)	3.9	0.0100	3.0919	79		5.19 | (40-140)	50
Naphthalene (C11.7)	3.9	0.0110	1.9632	50		4.08 | (40-140)	50
n-Dodecane (C12)	3.9	0.0102	1.9170	49		4.17 | (40-140)	50
2-methylnaphthalene (C12.89)	3.9	0.0078	2.0593	53		1.9 | (40-140)	50
n-Tetradecane (C14)	3.9	0.0068	2.1884	56		1.77 | (40-140)	50
n-Hexadecane (C16)	3.9	0.0062	2.3791	61		1.63 | (40-140)	50
n-Octadecane (C18)	3.9	0.0134	2.4955	64		1.57 | (40-140)	50
n-Eicosane (C20)	3.9	0.0088	2.7025	69		2.94 | (40-140)	50
n-Heneicosane (C21)	3.9	0.0076	2.6638	68		4.51 | (40-140)	50
n-Docosane (C22)	3.9	0.0137	2.6560	68		4.51 | (40-140)	50
n-Tetracosane (C24)	7.8	0.0414	5.3754	68		4.51 | (40-140)	50
n-Hexacosane (C26)	3.9	0.0234	2.6626	68		6.06 | (40-140)	50
n-Octacosane (C28)	3.9	0.0276	2.6581	67		4.58 | (40-140)	50
n-Tricontane (C30)	3.9	0.0559	2.6042	65		4.72 | (40-140)	50
n-Dotriacontane (C32)	3.9	0.0999	2.7185	67		4.58 | (40-140)	50
n-Tetratriacontane (C34)	3.9	0.0660	3.0070	75		4.08 | (40-140)	50
n-Hexatriacontane (C36)	3.9	0.2581	3.3956	80		3.82 | (40-140)	50
n-Octatriacontane (C38)	3.9	0.7850	3.9968	82		7.59 | (40-140)	50
n-Tetracontane (C40)	3.9	0.0466	3.7034	94		5.46 | (40-140)	50

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SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** Earth Engineering Inc.

Lab Code: ACE **SDG No:** Q2818

Sample No : PB169207BS **Datafile:** FC069645.D **Client ID :** PB169207BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	30.0	21.6	72		(40-140)
Aliphatic C9-C28	100.1	54.7	55		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS(%)
n-Nonane (C9)	3.3	1.63609	50		(40-140)
n-Decane (C10)	3.3	1.76347	53		(40-140)
Naphthalene (C11.7)	3.3	2.02752	61		(40-140)
n-Dodecane (C12)	3.3	1.96737	60		(40-140)
2-methylnaphthalene (C12.89)	3.3	2.02584	61		(40-140)
n-Tetradecane (C14)	3.3	2.06622	63		(40-140)
n-Hexadecane (C16)	3.3	2.06502	63		(40-140)
n-Octadecane (C18)	3.3	2.02989	62		(40-140)
n-Eicosane (C20)	3.3	2.14752	65		(40-140)
n-Heneicosane (C21)	3.3	2.10724	64		(40-140)
n-Docosane (C22)	3.3	2.08853	63		(40-140)
n-Tetracosane (C24)	6.7	4.13066	62		(40-140)
n-Hexacosane (C26)	3.3	2.06137	62		(40-140)
n-Octacosane (C28)	3.3	2.03852	62		(40-140)
n-Tricontane (C30)	3.3	1.97890	60		(40-140)
n-Dotriacontane (C32)	3.3	2.02757	61		(40-140)
n-Tetratriacontane (C34)	3.3	2.27428	69		(40-140)
n-Hexatriacontane (C36)	3.3	2.45442	74		(40-140)
n-Octatriacontane (C38)	3.3	2.72740	83		(40-140)
n-Tetracontane (C40)	3.3	2.83852	86		(40-140)

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SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** Earth Engineering Inc.

Lab Code: ACE **SDG No:** Q2818

Sample No : PB169207BSD **Datafile:** FC069646.D **Client ID :** PB169207BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS (%)	QC Limit Of RPD
Aliphatic C28-C40	30.0	21.6	72		0.06|	(40-140)	25
Aliphatic C9-C28	99.9	54.7	55		0.049|	(40-140)	25

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS(%)	QC Limit Of RPD
n-Nonane (C9)	3.3	1.63538	50		0|	(40-140)	25
n-Decane (C10)	3.3	1.76025	53		0|	(40-140)	25
Naphthalene (C11.7)	3.3	2.02227	61		0|	(40-140)	25
n-Dodecane (C12)	3.3	1.95844	59		1.68|	(40-140)	25
2-methylnaphthalene (C12.89)	3.3	2.02196	61		0|	(40-140)	25
n-Tetradecane (C14)	3.3	2.05573	62		1.6|	(40-140)	25
n-Hexadecane (C16)	3.3	2.04883	62		1.6|	(40-140)	25
n-Octadecane (C18)	3.3	2.01402	61		1.63|	(40-140)	25
n-Eicosane (C20)	3.3	2.13298	65		0|	(40-140)	25
n-Heneicosane (C21)	3.3	2.09214	63		1.57|	(40-140)	25
n-Docosane (C22)	3.3	2.07592	63		0|	(40-140)	25
n-Tetracosane (C24)	6.7	4.13776	62		0|	(40-140)	25
n-Hexacosane (C26)	3.3	2.05095	62		0|	(40-140)	25
n-Octacosane (C28)	3.3	2.02955	62		0|	(40-140)	25
n-Tricontane (C30)	3.3	1.96097	59		1.68|	(40-140)	25
n-Dotriacontane (C32)	3.3	2.00404	61		0|	(40-140)	25
n-Tetratriacontane (C34)	3.3	2.25480	68		1.46|	(40-140)	25
n-Hexatriacontane (C36)	3.3	2.43852	74		0|	(40-140)	25
n-Octatriacontane (C38)	3.3	2.71628	82		1.21|	(40-140)	25
n-Tetracontane (C40)	3.3	2.83634	86		0|	(40-140)	25

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4B

METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB169207BL

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG NO.: Q2818

Instrument ID: FID_C Lab Sample ID: PB169207BL

Matrix: (soil/water) Solid Date Extracted: 8/12/2025 8:45:00 A

Level: (low/med) low

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

CLIENT SAMPLE NO.	LAB SAMPLE ID
PB169207BS	PB169207BS
PB169207BSD	PB169207BSD
B-2-5-1	Q2818-01
B-3-5-2	Q2818-02
BIN0009-DRIVEWAY-TP-WESTMS	Q2830-03MS
BIN0009-DRIVEWAY-TP-WESTMS	Q2830-03MSD

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	PB169207BL	SDG No.:	Q2818
Lab Sample ID:	PB169207BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/12/25 08:45	08/12/25 20:22	PB169207

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FC069644.D
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	3.99	mg/kg	FC069644.D
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	5.99	mg/kg	
Total EPH	Total EPH	2.09	U		2.09	5.99	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	PB169207BL	SDG No.:	Q2818
Lab Sample ID:	PB169207BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069644.D	1	08/12/25	08/12/25	PB169207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.0		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.9		40 - 140	70%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169207BL	Acq On:	12 Aug 2025 20:22
Client Sample ID:	PB169207BL	Operator:	YP/AJ
Data file:	FC069644.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.296	6.594	0	0	300	ug/ml
Aliphatic C12-C16	6.595	9.998	0	0	200	ug/ml
Aliphatic C16-C21	9.999	13.367	0	0	300	ug/ml
Aliphatic C21-C28	13.368	17.032	0	0	400	ug/ml
Aliphatic C28-C40	17.033	22.008	0	0	600	ug/ml
Aliphatic EPH	3.296	22.008	0	0		ug/ml
ortho-Terphenyl (SURR)	11.667	11.667	5198688	34.85		ug/ml
1-chlorooctadecane (SURR)	13.101	13.101	4029814	36.96		ug/ml
Aliphatic C9-C28	3.296	17.032	0	0	1200	ug/ml

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	PB169207BS	SDG No.:	Q2818
Lab Sample ID:	PB169207BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/12/25 08:45	08/12/25 21:08	PB169207

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	21.6		1	1.18	2.00	mg/kg	FC069645.D
Aliphatic C9-C28	Aliphatic C9-C28	54.7		1	0.91	4.00	mg/kg	FC069645.D
Total AliphaticEPH	Total AliphaticEPH	76.3			2.09	6.00	mg/kg	
Total EPH	Total EPH	76.3			2.09	6.00	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	PB169207BS	SDG No.:	Q2818
Lab Sample ID:	PB169207BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069645.D	1	08/12/25	08/12/25	PB169207

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		54.7		0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		21.6		1.18	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		35.0		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		32.9		40 - 140	66%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169207BS	Acq On:	12 Aug 2025 21:08
Client Sample ID:	PB169207BS	Operator:	YP/AJ
Data file:	FC069645.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.296	6.594	20618159	142.509	300	ug/ml
Aliphatic C12-C16	6.595	9.998	27575514	192.251	200	ug/ml
Aliphatic C16-C21	9.999	13.367	29064386	217.611	300	ug/ml
Aliphatic C21-C28	13.368	17.032	31693756	267.892	400	ug/ml
Aliphatic C28-C40	17.033	22.008	30957145	324.787	600	ug/ml
Aliphatic EPH	3.296	22.008	139908960	1150		ug/ml
ortho-Terphenyl (SURR)	11.665	11.665	4914195	32.94		ug/ml
1-chlorooctadecane (SURR)	13.100	13.100	3814315	34.99		ug/ml
Aliphatic C9-C28	3.296	17.032	108951815	820.263	1200	ug/ml

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	PB169207BSD	SDG No.:	Q2818
Lab Sample ID:	PB169207BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/12/25 08:45	08/12/25 21:53	PB169207

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	21.6		1	1.18	2.00	mg/kg	FC069646.D
Aliphatic C9-C28	Aliphatic C9-C28	54.7		1	0.91	3.99	mg/kg	FC069646.D
Total AliphaticEPH	Total AliphaticEPH	76.3			2.09	5.99	mg/kg	
Total EPH	Total EPH	76.3			2.09	5.99	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	PB169207BSD	SDG No.:	Q2818
Lab Sample ID:	PB169207BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069646.D	1	08/12/25	08/12/25	PB169207

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		54.7		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		21.6		1.18	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		34.8		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		32.8		40 - 140	66%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169207BSD	Acq On:	12 Aug 2025 21:53
Client Sample ID:	PB169207BSD	Operator:	YP/AJ
Data file:	FC069646.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.296	6.594	20584745	142.278	300	ug/ml
Aliphatic C12-C16	6.595	9.998	27540790	192.009	200	ug/ml
Aliphatic C16-C21	9.999	13.367	28967482	216.885	300	ug/ml
Aliphatic C21-C28	13.368	17.032	31976934	270.286	400	ug/ml
Aliphatic C28-C40	17.033	22.008	30931317	324.516	600	ug/ml
Aliphatic EPH	3.296	22.008	140001268	1150		ug/ml
ortho-Terphenyl (SURR)	11.665	11.665	4892968	32.8		ug/ml
1-chlorooctadecane (SURR)	13.101	13.101	3794482	34.8		ug/ml
Aliphatic C9-C28	3.296	17.032	109069951	821.458	1200	ug/ml

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	BIN0009-DRIVEWAY-TP-WESTMS	SDG No.:	Q2818
Lab Sample ID:	Q2830-03MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/12/25 08:45	08/13/25 0:13	PB169207

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	33.2		1	1.38	2.33	mg/kg	FC069649.D
Aliphatic C9-C28	Aliphatic C9-C28	72.4		1	1.06	4.67	mg/kg	FC069649.D
Total AliphaticEPH	Total AliphaticEPH	106			2.44	7.00	mg/kg	
Total EPH	Total EPH	106			2.44	7.00	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	BIN0009-DRIVEWAY-TP-WESTMS	SDG No.:	Q2818
Lab Sample ID:	Q2830-03MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069649.D	1	08/12/25	08/13/25	PB169207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	72.4		1.06	4.67	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	33.2		1.38	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.5		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.4		40 - 140	69%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2830-03MS	Acq On:	13 Aug 2025 00:13
Client Sample ID:	BIN0009-DRIVEWAY-TP-WESTMS	Operator:	YP/AJ
Data file:	FC069649.D	Misc:	
Instrument:	FID_C	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.296	6.594	16061289	111.013	300	ug/ml
Aliphatic C12-C16	6.595	9.998	33020754	230.214	200	ug/ml
Aliphatic C16-C21	9.999	13.367	36696695	274.756	300	ug/ml
Aliphatic C21-C28	13.368	17.032	37353007	315.727	400	ug/ml
Aliphatic C28-C40	17.033	22.008	40669580	426.685	600	ug/ml
Aliphatic EPH	3.296	22.008	163801325	1360		ug/ml
ortho-Terphenyl (SURR)	11.666	11.666	5132110	34.4		ug/ml
1-chlorooctadecane (SURR)	13.101	13.101	3978577	36.49		ug/ml
Aliphatic C9-C28	3.296	17.032	123131745	931.71	1200	ug/ml

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	BIN0009-DRIVEWAY-TP-WESTMSD	SDG No.:	Q2818
Lab Sample ID:	Q2830-03MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/12/25 08:45	08/13/25 1:50	PB169207

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	35.3		1	1.37	2.33	mg/kg	FC069650.D
Aliphatic C9-C28	Aliphatic C9-C28	67.7		1	1.06	4.67	mg/kg	FC069650.D
Total AliphaticEPH	Total AliphaticEPH	103			2.43	7.00	mg/kg	
Total EPH	Total EPH	103			2.43	7.00	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	BIN0009-DRIVEWAY-TP-WESTMSD	SDG No.:	Q2818
Lab Sample ID:	Q2830-03MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069650.D	1	08/12/25	08/13/25	PB169207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	67.7		1.06	4.67	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	35.3		1.37	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.4		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.1		40 - 140	72%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2830-03MSD	Acq On:	13 Aug 2025 01:50
Client Sample ID:	BIN0009-DRIVEWAY-TP-WESTMSD	Operator:	YP/AJ
Data file:	FC069650.D	Misc:	
Instrument:	FID_C	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.296	6.594	15928487	110.095	300	ug/ml
Aliphatic C12-C16	6.595	9.998	26999853	188.237	200	ug/ml
Aliphatic C16-C21	9.999	13.367	32722374	244.999	300	ug/ml
Aliphatic C21-C28	13.368	17.032	38886079	328.686	400	ug/ml
Aliphatic C28-C40	17.033	22.008	43329576	454.592	600	ug/ml
Aliphatic EPH	3.296	22.008	157866369	1330		ug/ml
ortho-Terphenyl (SURR)	11.666	11.666	5388201	36.12		ug/ml
1-chlorooctadecane (SURR)	13.101	13.101	4191300	38.44		ug/ml
Aliphatic C9-C28	3.296	17.032	114536793	872.017	1200	ug/ml

CALIBRATION SUMMARY

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Inital Calibration Report for SequenceID : FC080125AL

AreaCount

Parameter Range	FC069558.D	FC069559.D	FC069560.D	FC069561.D	FC069562.D	
Aliphatic C9-C12	42068648.000	19691016.000	8965532.000	4370721.000	2351668.000	
Aliphatic C12-C16	27843527.000	13014807.000	5942321.000	2897742.000	1543652.000	
Aliphatic C16-C21	38214284.000	18201524.000	8181971.000	4119976.000	2180745.000	
Aliphatic C21-C28	44820531.000	21625949.000	9610305.000	4868005.000	2590582.000	
Aliphatic C28-C40	52282691.000	25521026.000	11594465.000	5791453.000	3336702.000	
Aliphatic EPH	205229681.000	98054322.000	44294594.000	22047897.000	12003349.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	144679.273333	6.643				
Aliphatic C12-C16	143435.206	6.448				
Aliphatic C16-C21	133561.231333	6.997				
Aliphatic C21-C28	118307.822	7.116				
Aliphatic C28-C40	95315.2126662	10.853				
Aliphatic EPH	120373.0272216	7.787				

Concentration

Parameter Range	FC069558.D	FC069559.D	FC069560.D	FC069561.D	FC069562.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FC069558.D	FC069559.D	FC069560.D	FC069561.D	FC069562.D	
Aliphatic C9-C12	140228.826666	131273.440000	149425.533333	145690.700000	156777.866666	
Aliphatic C12-C16	139217.635000	130148.070000	148558.025000	144887.100000	154365.200000	
Aliphatic C16-C21	127380.946666	121343.493333	136366.183333	137332.533333	145383.000000	

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Inital Calibration Report for SequenceID : FC080125AL

Aliphatic C21-C28	112051.327500	108129.745000	120128.812500	121700.125000	129529.100000	
Aliphatic C28-C40	87137.818333	85070.086666	96620.541666	96524.216666	111223.400000	
Aliphatic EPH	114016.489444	108949.246666	123040.538888	122488.316666	133370.544444	

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Inital Calibration Report for SequenceID : FE080125AL

AreaCount

Parameter Range	FE055102.D	FE055103.D	FE055104.D	FE055105.D	FE055106.D	
Aliphatic C9-C12	32408754.000	16891181.000	7003710.000	3577317.000	1909553.000	
Aliphatic C12-C16	23084106.000	11985802.000	4993920.000	2562730.000	1378723.000	
Aliphatic C16-C21	35136636.000	18127790.000	7566457.000	3893517.000	2072383.000	
Aliphatic C21-C28	44556926.000	23024093.000	9601695.000	4948829.000	2645478.000	
Aliphatic C28-C40	61529999.000	31908743.000	13279856.000	7025222.000	3998130.000	
Aliphatic EPH	196716421.000	101937609.000	42445638.000	22007615.000	12004267.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	116782.5973332	6.216				
Aliphatic C12-C16	125227.07	6.84				
Aliphatic C16-C21	126404.887333	6.459				
Aliphatic C21-C28	120505.7185	6.705				
Aliphatic C28-C40	113987.1949996	10.577				
Aliphatic EPH	119220.1465552	7.797				

Concentration

Parameter Range	FE055102.D	FE055103.D	FE055104.D	FE055105.D	FE055106.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FE055102.D	FE055103.D	FE055104.D	FE055105.D	FE055106.D	
Aliphatic C9-C12	108029.180000	112607.873333	116728.500000	119243.900000	127303.533333	
Aliphatic C12-C16	115420.530000	119858.020000	124848.000000	128136.500000	137872.300000	
Aliphatic C16-C21	117122.120000	120851.933333	126107.616666	129783.900000	138158.866666	

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Inital Calibration Report for SequenceID : FE080125AL

Aliphatic C21-C28	111392.315000	115120.465000	120021.187500	123720.725000	132273.900000	
Aliphatic C28-C40	102549.998333	106362.476666	110665.466666	117087.033333	133271.000000	
Aliphatic EPH	109286.900555	113264.010000	117904.550000	122264.527777	133380.744444	

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055107.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 13:55
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.423	3.380	3.482	BB	235935	2320492	80.95%	4.354%
2	4.681	4.644	4.744	BB	237548	2357337	82.23%	4.423%
3	6.400	6.357	6.500	BB	281367	2711551	94.59%	5.088%
4	6.857	6.812	6.924	BB	236802	2407946	84.00%	4.518%
5	7.501	7.460	7.622	BB	264419	2636139	91.96%	4.947%
6	8.694	8.639	8.807	BB	236777	2463791	85.94%	4.623%
7	10.309	10.247	10.400	BB	233401	2561685	89.36%	4.807%
8	11.759	11.715	11.824	PB	232814	2619955	91.39%	4.916%
9	12.085	12.024	12.154	BB	265468	2866726	100.00%	5.379%
10	13.074	12.982	13.137	BB	216764	2518489	87.85%	4.726%
11	13.521	13.455	13.582	BB	183371	2156193	75.21%	4.046%
12	13.688	13.650	13.745	PB	204951	2473384	86.28%	4.641%
13	14.276	14.207	14.335	BB	198948	2448476	85.41%	4.594%
14	15.382	15.302	15.444	BB	199328	2433764	84.90%	4.567%
15	16.407	16.229	16.455	BB	178966	2397717	83.64%	4.499%
16	17.359	17.275	17.429	BB	172737	2370324	82.68%	4.448%
17	18.248	18.184	18.322	BB	180187	2441052	85.15%	4.580%
18	19.082	19.012	19.142	BB	172722	2401932	83.79%	4.507%
19	19.867	19.800	19.915	BV	167321	2323225	81.04%	4.359%
20	20.609	20.570	20.647	BV	149142	2160075	75.35%	4.053%
21	21.390	21.330	21.465	BB	109229	2112729	73.70%	3.964%
22	22.381	22.300	22.500	BBA	83572	2109848	73.60%	3.959%
			Sum of corrected areas:			53292830		

Aliphatic EPH 080125.M Fri Aug 01 15:03:05 2025

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Continuing Calibration Report for SequenceID : FC081225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC069643.D**						
Aliphatic C9-C12	8281038.000	60.000	3.296	6.594	138017.300	144679.273	4.605
Aliphatic C12-C16	5564407.000	40.000	6.595	9.998	139110.175	143435.206	3.015
Aliphatic C16-C21	7699230.000	60.000	9.999	13.367	128320.500	133561.231	3.924
Aliphatic C21-C28	9027039.000	80.000	13.368	17.032	112837.988	118307.822	4.623
Aliphatic C28-C40	11191769.000	120.000	17.033	22.008	93264.742	95315.213	2.151
Aliphatic EPH	41763483.000	360.000	3.296	22.008	116009.675	120373.027	3.625

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	12 Aug 2025 18:50
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069643.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.296	6.594	8281038.000	60.000	ug/ml
Aliphatic C12-C16	6.595	9.998	5564407.000	40.000	ug/ml
Aliphatic C16-C21	9.999	13.367	7699230.000	60.000	ug/ml
Aliphatic C21-C28	13.368	17.032	9027039.000	80.000	ug/ml
Aliphatic C28-C40	17.033	22.008	11191769.000	120.000	ug/ml
Aliphatic EPH	3.296	22.008	41763483.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FC081225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC069653.D**						
Aliphatic C9-C12	8188998.000	60.000	3.296	6.594	136483.300	144679.273	5.665
Aliphatic C12-C16	5493955.000	40.000	6.595	9.998	137348.875	143435.206	4.243
Aliphatic C16-C21	7647281.000	60.000	9.999	13.367	127454.683	133561.231	4.572
Aliphatic C21-C28	9064514.000	80.000	13.368	17.032	113306.425	118307.822	4.227
Aliphatic C28-C40	11351707.000	120.000	17.033	22.008	94597.558	95315.213	0.753
Aliphatic EPH	41746455.000	360.000	3.296	22.008	115962.375	120373.027	3.664

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	13 Aug 2025 04:46
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069653.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.296	6.594	8188998.000	60.000	ug/ml
Aliphatic C12-C16	6.595	9.998	5493955.000	40.000	ug/ml
Aliphatic C16-C21	9.999	13.367	7647281.000	60.000	ug/ml
Aliphatic C21-C28	13.368	17.032	9064514.000	80.000	ug/ml
Aliphatic C28-C40	17.033	22.008	11351707.000	120.000	ug/ml
Aliphatic EPH	3.296	22.008	41746455.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FE081225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE055254.D**						
Aliphatic C9-C12	6178262.000	60.000	3.323	6.959	102971.033	116782.597	11.827
Aliphatic C12-C16	4527408.000	40.000	6.960	10.413	113185.200	125227.070	9.616
Aliphatic C16-C21	6817977.000	60.000	10.414	13.793	113632.950	126404.887	10.104
Aliphatic C21-C28	9438512.000	80.000	13.794	17.466	117981.400	120505.719	2.095
Aliphatic C28-C40	14243173.000	120.000	17.467	22.498	118693.108	113987.195	-4.128
Aliphatic EPH	41205332.000	360.000	3.323	22.498	114459.256	119220.147	3.993

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	12 Aug 2025 13:54
Client Sample ID:		Operator:	YP\AJ
Data file:	FE055254.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.323	6.959	6178262.000	60.000	ug/ml
Aliphatic C12-C16	6.960	10.413	4527408.000	40.000	ug/ml
Aliphatic C16-C21	10.414	13.793	6817977.000	60.000	ug/ml
Aliphatic C21-C28	13.794	17.466	9438512.000	80.000	ug/ml
Aliphatic C28-C40	17.467	22.498	14243173.000	120.000	ug/ml
Aliphatic EPH	3.323	22.498	41205332.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FE081225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE055268.D**						
Aliphatic C9-C12	6298720.000	60.000	3.323	6.959	104978.667	116782.597	10.108
Aliphatic C12-C16	4641325.000	40.000	6.960	10.413	116033.125	125227.070	7.342
Aliphatic C16-C21	7203361.000	60.000	10.414	13.793	120056.017	126404.887	5.023
Aliphatic C21-C28	10317939.000	80.000	13.794	17.466	128974.238	120505.719	-7.027
Aliphatic C28-C40	15234038.000	120.000	17.467	22.498	126950.317	113987.195	-11.372
Aliphatic EPH	43695383.000	360.000	3.323	22.498	121376.064	119220.147	-1.808

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	12 Aug 2025 21:32
Client Sample ID:		Operator:	YP\AJ
Data file:	FE055268.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.323	6.959	6298720.000	60.000	ug/ml
Aliphatic C12-C16	6.960	10.413	4641325.000	40.000	ug/ml
Aliphatic C16-C21	10.414	13.793	7203361.000	60.000	ug/ml
Aliphatic C21-C28	13.794	17.466	10317939.000	80.000	ug/ml
Aliphatic C28-C40	17.467	22.498	15234038.000	120.000	ug/ml
Aliphatic EPH	3.323	22.498	43695383.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FE081325AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE055281.D**						
Aliphatic C9-C12	6191497.000	60.000	3.320	6.955	103191.617	116782.597	11.638
Aliphatic C12-C16	4553783.000	40.000	6.956	10.408	113844.575	125227.070	9.089
Aliphatic C16-C21	7067857.000	60.000	10.409	13.788	117797.617	126404.887	6.809
Aliphatic C21-C28	9885428.000	80.000	13.789	17.461	123567.850	120505.719	-2.541
Aliphatic C28-C40	15234823.000	120.000	17.462	22.486	126956.858	113987.195	-11.378
Aliphatic EPH	42933388.000	360.000	3.320	22.486	119259.411	119220.147	-0.033

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	13 Aug 2025 08:17
Client Sample ID:		Operator:	YP\AJ
Data file:	FE055281.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.320	6.955	6191497.000	60.000	ug/ml
Aliphatic C12-C16	6.956	10.408	4553783.000	40.000	ug/ml
Aliphatic C16-C21	10.409	13.788	7067857.000	60.000	ug/ml
Aliphatic C21-C28	13.789	17.461	9885428.000	80.000	ug/ml
Aliphatic C28-C40	17.462	22.486	15234823.000	120.000	ug/ml
Aliphatic EPH	3.320	22.486	42933388.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FE081325AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE055292.D**						
Aliphatic C9-C12	6133048.000	60.000	3.320	6.955	102217.467	116782.597	12.472
Aliphatic C12-C16	4477824.000	40.000	6.956	10.408	111945.600	125227.070	10.606
Aliphatic C16-C21	6952936.000	60.000	10.409	13.788	115882.267	126404.887	8.325
Aliphatic C21-C28	9771755.000	80.000	13.789	17.461	122146.938	120505.719	-1.362
Aliphatic C28-C40	15007929.000	120.000	17.462	22.486	125066.075	113987.195	-9.719
Aliphatic EPH	42343492.000	360.000	3.320	22.486	117620.811	119220.147	1.341

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	13 Aug 2025 14:23
Client Sample ID:		Operator:	YP\AJ
Data file:	FE055292.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.320	6.955	6133048.000	60.000	ug/ml
Aliphatic C12-C16	6.956	10.408	4477824.000	40.000	ug/ml
Aliphatic C16-C21	10.409	13.788	6952936.000	60.000	ug/ml
Aliphatic C21-C28	13.789	17.461	9771755.000	80.000	ug/ml
Aliphatic C28-C40	17.462	22.486	15007929.000	120.000	ug/ml
Aliphatic EPH	3.320	22.486	42343492.000	360.000	ug/ml

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055259.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 16:27
Operator : YP\AJ
Sample : Q2818-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 13 04:04:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
B-2-5-1

Manual Integrations APPROVED

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Supervised By :mohammad ahmed 08/13/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.091	8181382	57.291 ug/mlm
Spiked Amount 50.000		Recovery = 114.58%	
12) S 1-chlorooctadecane (S...	13.529	6358946	59.140 ug/ml
Spiked Amount 50.000		Recovery = 118.28%	
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055259.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 16:27
Operator : YP\AJ
Sample : Q2818-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 13 04:04:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
B-2-5-1

Manual Integrations APPROVED
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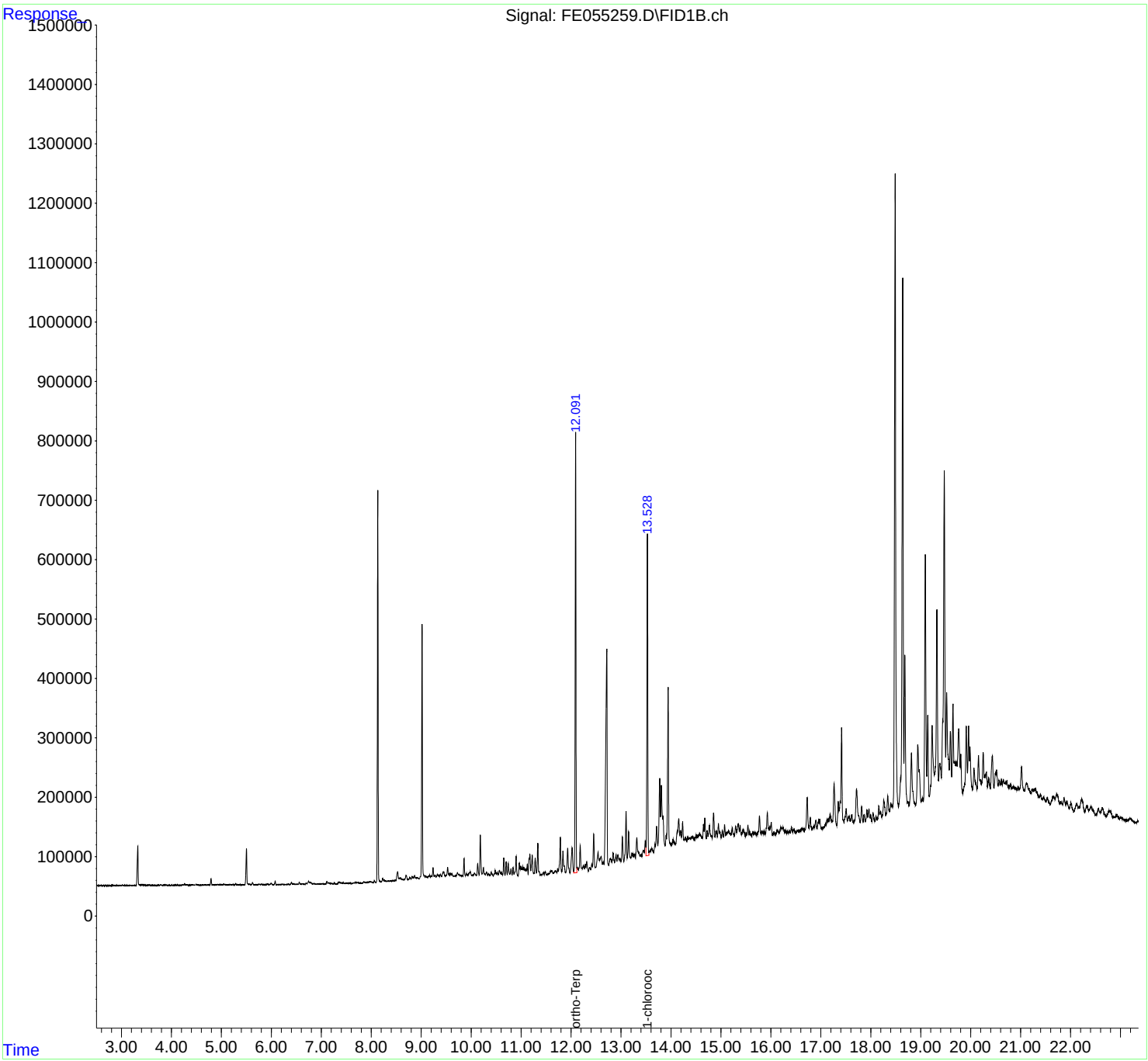
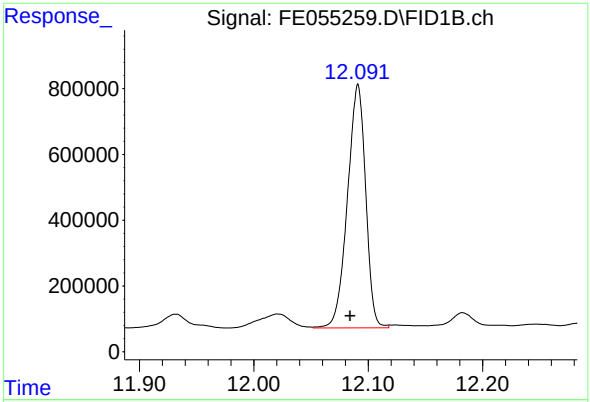
Supervised By :mohammad ahmed 08/13/2025





#9 ortho-Terphenyl (SURR)

R.T.: 12.091 min
Delta R.T.: 0.007 min
Response: 8181382
Conc: 57.29 ug/ml

Instrument :
FID_E
ClientSampleId :
B-2-5-1

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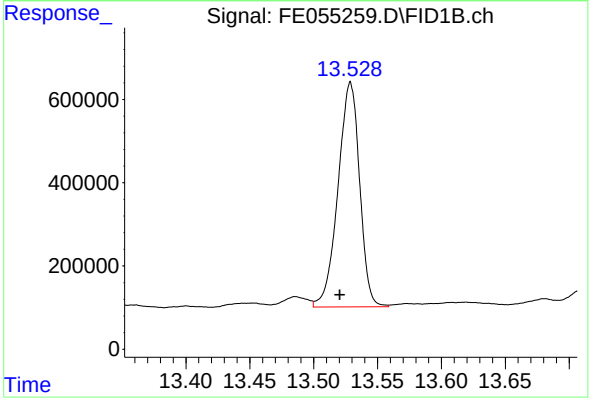

#12 1-chlorooctadecane (SURR)

R.T.: 13.529 min
Delta R.T.: 0.008 min
Response: 6358946
Conc: 59.14 ug/ml

Instrument :
FID_E
ClientSampleId :
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rteres

Area Percent

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Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Da
Data File : FE055259.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 16:27
Sample : Q2818-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.834	2.805	2.886	BV	355	7653	0.04%	0.002%
2	2.900	2.886	2.935	VV	382	5257	0.02%	0.001%
3	2.954	2.935	2.978	VV	204	3197	0.02%	0.001%
4	3.027	2.978	3.084	VV	624	21365	0.10%	0.005%
5	3.103	3.084	3.135	VV	575	8948	0.04%	0.002%
6	3.151	3.135	3.196	VV	445	8239	0.04%	0.002%
7	3.204	3.196	3.214	VV	113	841	0.00%	0.000%
8	3.227	3.214	3.245	VV	65	1038	0.00%	0.000%
9	3.265	3.245	3.289	PV	532	10757	0.05%	0.003%
10	3.326	3.289	3.395	VV	68048	849046	4.00%	0.212%
11	3.417	3.395	3.438	VV	876	18200	0.09%	0.005%
12	3.461	3.438	3.506	VV	716	21758	0.10%	0.005%
13	3.550	3.506	3.590	VV	1091	28069	0.13%	0.007%
14	3.605	3.590	3.649	VV	463	11658	0.05%	0.003%
15	3.656	3.649	3.709	VV	276	7098	0.03%	0.002%
16	3.743	3.709	3.758	VV	312	6400	0.03%	0.002%
17	3.785	3.758	3.832	VV	870	21306	0.10%	0.005%
18	3.891	3.832	3.956	VV	740	23894	0.11%	0.006%
19	4.007	3.956	4.025	PV	561	7508	0.04%	0.002%
20	4.047	4.025	4.068	VV	407	5158	0.02%	0.001%
21	4.079	4.068	4.110	VV	775	11636	0.05%	0.003%
22	4.126	4.110	4.178	VV	847	12927	0.06%	0.003%
23	4.211	4.178	4.224	VV	985	10239	0.05%	0.003%
24	4.265	4.224	4.291	VV	2742	43784	0.21%	0.011%
25	4.302	4.291	4.365	VV	705	14566	0.07%	0.004%

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Instrument :
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rteres

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26	4.410	4.365	4.428	PV	629	12394	0.06%	0.003%
27	4.444	4.428	4.464	VV	738			
28	4.476	4.464	4.485	VV	512			
29	4.501	4.485	4.558	VV	1429			
30	4.569	4.558	4.590	VV	300			
31	4.628	4.590	4.641	VV	247	5853	0.03%	0.001%
32	4.652	4.641	4.661	VV	263	2408	0.01%	0.001%
33	4.680	4.661	4.710	VV	407	9401	0.04%	0.002%
34	4.757	4.710	4.771	VV	963	18812	0.09%	0.005%
35	4.793	4.771	4.829	VV	11128	124804	0.59%	0.031%
36	4.846	4.829	4.862	VV	1001	13302	0.06%	0.003%
37	4.877	4.862	4.895	VV	827	13372	0.06%	0.003%
38	4.933	4.895	4.953	VV	1071	31354	0.15%	0.008%
39	4.967	4.953	4.978	VV	957	12300	0.06%	0.003%
40	5.051	4.978	5.121	VV	1819	74144	0.35%	0.018%
41	5.135	5.121	5.150	VV	670	9532	0.04%	0.002%
42	5.169	5.150	5.221	VV	1445	32578	0.15%	0.008%
43	5.239	5.221	5.261	VV	925	14875	0.07%	0.004%
44	5.288	5.261	5.312	VV	2475	31846	0.15%	0.008%
45	5.334	5.312	5.354	VV	754	13309	0.06%	0.003%
46	5.383	5.354	5.411	VV	716	15577	0.07%	0.004%
47	5.427	5.411	5.463	VV	791	12586	0.06%	0.003%
48	5.501	5.463	5.598	PV	61401	784545	3.70%	0.196%
49	5.623	5.598	5.652	VV	4263	56859	0.27%	0.014%
50	5.667	5.652	5.680	VV	520	7127	0.03%	0.002%
51	5.693	5.680	5.711	VV	484	6918	0.03%	0.002%
52	5.724	5.711	5.738	VV	325	3760	0.02%	0.001%
53	5.755	5.738	5.775	VV	1788	20140	0.09%	0.005%
54	5.797	5.775	5.833	VV	1087	18800	0.09%	0.005%
55	5.853	5.833	5.869	VV	768	8800	0.04%	0.002%
56	5.884	5.869	5.894	VV	667	7107	0.03%	0.002%
57	5.929	5.894	5.968	VV	1353	28611	0.13%	0.007%
58	5.996	5.968	6.048	VV	2508	39523	0.19%	0.010%
59	6.077	6.048	6.107	VV	6214	66241	0.31%	0.017%
60	6.126	6.107	6.162	PV	458	7440	0.04%	0.002%
61	6.179	6.162	6.200	PV	391	5408	0.03%	0.001%
62	6.217	6.200	6.237	VV	889	8912	0.04%	0.002%
63	6.283	6.237	6.301	VV	452	7755	0.04%	0.002%
64	6.356	6.301	6.364	VV	338	8695	0.04%	0.002%
65	6.401	6.364	6.427	VV	3495	52655	0.25%	0.013%
66	6.443	6.427	6.465	VV	1376	21588	0.10%	0.005%
67	6.479	6.465	6.496	VV	482	8252	0.04%	0.002%
68	6.507	6.496	6.538	VV	505	7607	0.04%	0.002%
69	6.560	6.538	6.579	VV	4275	47037	0.22%	0.012%

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Instrument :
FID_E
ClientSampleId :
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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/13/2025

A B C D E F G H I J

rteres

70	6.591	6.579	6.605	VV	1035	9740	0.05%	0.002%
71	6.621	6.605	6.650	VV	1453			
72	6.663	6.650	6.678	VV	558			
73	6.696	6.678	6.712	VV	2246			
74	6.745	6.712	6.838	VV	5081			
75	6.856	6.838	6.890	VV	1181	25777	0.12%	0.006%
76	6.930	6.890	6.960	VV	1171	22382	0.11%	0.006%
77	6.988	6.960	7.005	PV	1135	16967	0.08%	0.004%
78	7.027	7.005	7.048	VV	1187	19058	0.09%	0.005%
79	7.058	7.048	7.073	VV	391	4696	0.02%	0.001%
80	7.112	7.073	7.131	VV	4904	67503	0.32%	0.017%
81	7.146	7.131	7.175	VV	2225	43911	0.21%	0.011%
82	7.192	7.175	7.212	VV	1713	27365	0.13%	0.007%
83	7.220	7.212	7.236	VV	1020	8987	0.04%	0.002%
84	7.261	7.236	7.304	PV	1961	27066	0.13%	0.007%
85	7.345	7.304	7.358	VV	3638	44019	0.21%	0.011%
86	7.372	7.358	7.390	VV	3245	39936	0.19%	0.010%
87	7.406	7.390	7.422	VV	2047	29272	0.14%	0.007%
88	7.436	7.422	7.463	VV	2070	33042	0.16%	0.008%
89	7.480	7.463	7.495	VV	1315	18697	0.09%	0.005%
90	7.507	7.495	7.525	VV	1278	18760	0.09%	0.005%
91	7.581	7.525	7.617	VV	2271	48859	0.23%	0.012%
92	7.640	7.617	7.653	PV	1523	17464	0.08%	0.004%
93	7.679	7.653	7.694	VV	2051	35429	0.17%	0.009%
94	7.706	7.694	7.719	VV	1510	20192	0.10%	0.005%
95	7.731	7.719	7.745	VV	1476	19794	0.09%	0.005%
96	7.754	7.745	7.791	VV	1111	20695	0.10%	0.005%
97	7.806	7.791	7.817	VV	435	6166	0.03%	0.002%
98	7.851	7.817	7.886	VV	2385	51138	0.24%	0.013%
99	7.899	7.886	7.911	VV	1384	16602	0.08%	0.004%
100	7.927	7.911	7.938	VV	1481	18416	0.09%	0.005%
101	7.969	7.938	8.038	VV	2031	80416	0.38%	0.020%
102	8.063	8.038	8.090	VV	3272	46910	0.22%	0.012%
103	8.228	8.188	8.276	VV	7024	175420	0.83%	0.044%
104	8.280	8.276	8.308	VV	2760	41151	0.19%	0.010%
105	8.345	8.308	8.365	VV	2274	55881	0.26%	0.014%
106	8.385	8.365	8.408	VV	1969	43634	0.21%	0.011%
107	8.440	8.408	8.455	VV	2464	57953	0.27%	0.014%
108	8.477	8.455	8.491	VV	3032	51715	0.24%	0.013%
109	8.528	8.491	8.552	VV	16790	345241	1.63%	0.086%
110	8.569	8.552	8.639	VV	6041	242456	1.14%	0.060%
111	8.653	8.639	8.667	VV	3425	52796	0.25%	0.013%
112	8.700	8.667	8.730	VV	9852	227095	1.07%	0.057%

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Instrument :
FID_E
ClientSampleId :
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A B C D E F G H I J

rteres

113	8.745	8.730	8.754	VV	3888	49667	0.23%	0.012%
114	8.772	8.754	8.797	VV	6794			
115	8.818	8.797	8.851	VV	8122			
116	8.868	8.851	8.897	VV	9629			
117	8.924	8.897	8.960	VV	5823			
118	9.084	9.076	9.128	VV	6746	186734	0.88%	0.047%
119	9.167	9.128	9.182	VV	8880	224744	1.06%	0.056%
120	9.198	9.182	9.215	VV	7122	128846	0.61%	0.032%
121	9.237	9.215	9.258	VV	21312	316010	1.49%	0.079%
122	9.272	9.258	9.300	VV	7537	167562	0.79%	0.042%
123	9.322	9.300	9.337	VV	9142	158093	0.75%	0.039%
124	9.349	9.337	9.365	VV	8379	124704	0.59%	0.031%
125	9.386	9.365	9.407	VV	9025	178981	0.84%	0.045%
126	9.450	9.407	9.485	VV	12863	437682	2.06%	0.109%
127	9.529	9.485	9.568	VV	20691	520559	2.45%	0.130%
128	9.583	9.568	9.598	VV	10604	163181	0.77%	0.041%
129	9.614	9.598	9.645	VV	9087	207486	0.98%	0.052%
130	9.657	9.645	9.667	VV	5436	69156	0.33%	0.017%
131	9.725	9.667	9.755	VV	11138	378386	1.78%	0.094%
132	9.765	9.755	9.781	VV	7086	99586	0.47%	0.025%
133	9.794	9.781	9.808	VV	6076	90898	0.43%	0.023%
134	9.818	9.808	9.833	VV	5791	80312	0.38%	0.020%
135	9.858	9.833	9.886	VV	34451	469522	2.21%	0.117%
136	9.904	9.886	9.921	VV	8848	147661	0.70%	0.037%
137	9.933	9.921	9.936	VV	6196	55395	0.26%	0.014%
138	9.983	9.936	10.018	VV	11042	397526	1.87%	0.099%
139	10.067	10.018	10.107	VV	8531	342319	1.61%	0.085%
140	10.131	10.107	10.160	VV	24585	400206	1.89%	0.100%
141	10.184	10.160	10.218	VV	72660	1019418	4.81%	0.254%
142	10.246	10.218	10.284	VV	17500	376700	1.78%	0.094%
143	10.308	10.284	10.332	VV	9720	207582	0.98%	0.052%
144	10.347	10.332	10.382	VV	6842	158475	0.75%	0.040%
145	10.401	10.382	10.443	VV	9322	201548	0.95%	0.050%
146	10.482	10.443	10.508	VV	12136	277587	1.31%	0.069%
147	10.523	10.508	10.541	VV	8345	131219	0.62%	0.033%
148	10.566	10.541	10.598	VV	11353	271217	1.28%	0.068%
149	10.610	10.598	10.630	VV	7913	111357	0.52%	0.028%
150	10.654	10.630	10.678	VV	32313	420970	1.98%	0.105%
151	10.701	10.678	10.723	VV	25679	351317	1.66%	0.088%
152	10.742	10.723	10.776	VV	22902	359735	1.70%	0.090%
153	10.798	10.776	10.820	VV	13192	214149	1.01%	0.053%
154	10.839	10.820	10.859	VV	15523	200520	0.95%	0.050%
155	10.901	10.859	10.936	VV	34226	535518	2.52%	0.134%

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Instrument :
FID_E
ClientSampleId :
B-2-5-1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/13/2025

A B C D E F G H I J

rteres

156	10.964	10.936	10.979	VV	22638	297388	1.40%	0.074%
157	10.991	10.979	11.021	VV	16911			
158	11.033	11.021	11.045	VV	16536			
159	11.055	11.045	11.069	VV	15504			
160	11.078	11.069	11.089	VV	12174			
161	11.099	11.089	11.109	VV	11630	123454	0.58%	0.031%
162	11.124	11.109	11.141	VV	19917	239963	1.13%	0.060%
163	11.176	11.141	11.195	VV	36602	736916	3.47%	0.184%
164	11.223	11.195	11.256	VV	35007	599019	2.82%	0.149%
165	11.282	11.256	11.306	VV	29755	420493	1.98%	0.105%
166	11.335	11.306	11.383	VV	54985	777655	3.67%	0.194%
167	11.398	11.383	11.413	PV	2247	22567	0.11%	0.006%
168	11.445	11.413	11.462	VV	4914	65347	0.31%	0.016%
169	11.484	11.462	11.522	VV	5824	93964	0.44%	0.023%
170	11.538	11.522	11.554	VV	2648	27371	0.13%	0.007%
171	11.589	11.554	11.601	VV	6409	101316	0.48%	0.025%
172	11.617	11.601	11.639	VV	6291	104340	0.49%	0.026%
173	11.687	11.639	11.715	VV	5915	177515	0.84%	0.044%
174	11.732	11.715	11.745	VV	9303	108193	0.51%	0.027%
175	11.785	11.745	11.815	VV	60742	902886	4.26%	0.225%
176	11.838	11.815	11.890	VV	37793	636525	3.00%	0.159%
177	11.931	11.890	11.977	VV	42205	701329	3.31%	0.175%
178	12.021	11.977	12.051	PV	42278	804425	3.79%	0.201%
179	12.091	12.051	12.151	VV	740515	8284130	39.06%	2.065%
180	12.183	12.151	12.226	VV	44614	710781	3.35%	0.177%
181	12.246	12.226	12.267	VV	9106	177502	0.84%	0.044%
182	12.285	12.267	12.297	VV	12090	154869	0.73%	0.039%
183	12.313	12.297	12.347	VV	15753	242954	1.15%	0.061%
184	12.371	12.347	12.389	PV	5184	83740	0.39%	0.021%
185	12.415	12.389	12.428	VV	11458	164935	0.78%	0.041%
186	12.453	12.428	12.498	VV	61557	927376	4.37%	0.231%
187	12.540	12.498	12.575	VV	30178	830233	3.91%	0.207%
188	12.599	12.575	12.627	VV	21946	547278	2.58%	0.136%
189	12.643	12.627	12.657	VV	12604	191444	0.90%	0.048%
190	12.714	12.657	12.755	VV	369435	7278271	34.31%	1.815%
191	12.791	12.755	12.815	VV	16492	476491	2.25%	0.119%
192	12.842	12.815	12.872	VV	25604	573377	2.70%	0.143%
193	12.899	12.872	12.917	VV	20835	417620	1.97%	0.104%
194	12.936	12.917	12.964	VV	21293	471596	2.22%	0.118%
195	12.981	12.964	13.001	VV	15437	298162	1.41%	0.074%
196	13.028	13.001	13.056	VV	51453	871949	4.11%	0.217%
197	13.101	13.056	13.125	VV	93875	1532738	7.23%	0.382%
198	13.153	13.125	13.196	VV	58811	1186373	5.59%	0.296%
199	13.218	13.196	13.234	VV	22251	416350	1.96%	0.104%

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Instrument :
FID_E
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B-2-5-1

Manual IntegrationsAPPROVED

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A B C D E F G H I J

rteres

200	13.244	13.234	13.259	VV	19720	274631	1.29%	0.068%
201	13.274	13.259	13.289	VV	19249			
202	13.317	13.289	13.383	VV	46788	1		
203	13.400	13.383	13.419	VV	18521			
204	13.450	13.419	13.466	VV	24853			
205	13.486	13.466	13.500	VV	40131	643916	3.04%	0.161%
206	13.529	13.500	13.559	VV	553473	6896279	32.51%	1.719%
207	13.618	13.559	13.651	VV	25431	1248898	5.89%	0.311%
208	13.681	13.651	13.690	VV	33352	633430	2.99%	0.158%
209	13.713	13.690	13.738	VV	61831	1263514	5.96%	0.315%
210	13.776	13.738	13.792	VV	141343	2707460	12.76%	0.675%
211	13.808	13.792	13.885	VV	129972	4021177	18.96%	1.003%
212	13.944	13.885	14.018	VV	295787	6001708	28.29%	1.496%
213	14.042	14.018	14.061	VV	37467	860489	4.06%	0.215%
214	14.075	14.061	14.091	VV	33069	562845	2.65%	0.140%
215	14.155	14.091	14.177	VV	70782	2545753	12.00%	0.635%
216	14.189	14.177	14.215	VV	50933	1026177	4.84%	0.256%
217	14.233	14.215	14.261	VV	66204	1353064	6.38%	0.337%
218	14.291	14.261	14.317	VV	37017	1188756	5.60%	0.296%
219	14.337	14.317	14.351	VV	39125	748834	3.53%	0.187%
220	14.381	14.351	14.391	VV	37595	853183	4.02%	0.213%
221	14.441	14.391	14.474	VV	39078	1828369	8.62%	0.456%
222	14.505	14.474	14.528	VV	41063	1214103	5.72%	0.303%
223	14.573	14.528	14.618	VV	42104	2101645	9.91%	0.524%
224	14.651	14.618	14.662	VV	56152	1167995	5.51%	0.291%
225	14.678	14.662	14.707	VV	67511	1336354	6.30%	0.333%
226	14.725	14.707	14.742	VV	45970	847370	3.99%	0.211%
227	14.770	14.742	14.824	VV	54171	2046362	9.65%	0.510%
228	14.853	14.824	14.882	VV	74378	1765346	8.32%	0.440%
229	14.900	14.882	14.929	VV	43346	1100406	5.19%	0.274%
230	14.950	14.929	15.007	VV	55805	1925420	9.08%	0.480%
231	15.029	15.007	15.053	VV	42720	1022548	4.82%	0.255%
232	15.074	15.053	15.095	VV	52282	1039043	4.90%	0.259%
233	15.109	15.095	15.120	VV	39031	578071	2.73%	0.144%
234	15.153	15.120	15.197	VV	41774	1767119	8.33%	0.441%
235	15.228	15.197	15.267	VV	45070	1582249	7.46%	0.394%
236	15.294	15.267	15.316	VV	47644	1210248	5.71%	0.302%
237	15.347	15.316	15.368	VV	51341	1409830	6.65%	0.351%
238	15.384	15.368	15.414	VV	47966	1089002	5.13%	0.272%
239	15.438	15.414	15.491	VV	39525	1654500	7.80%	0.412%
240	15.506	15.491	15.519	VV	33524	533926	2.52%	0.133%
241	15.540	15.519	15.562	VV	47816	998106	4.71%	0.249%
242	15.575	15.562	15.599	VV	36508	741473	3.50%	0.185%

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Manual IntegrationsAPPROVED

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rteres

243	15.666	15.599	15.705	VV	34239	2034909	9.59%	0.507%
244	15.772	15.705	15.805	VV	60922	2		
245	15.818	15.805	15.846	VV	34889			
246	15.867	15.846	15.887	VV	33990			
247	15.929	15.887	15.968	VV	64837	2		
248	16.007	15.968	16.032	VV	48802	1469379	6.93%	0.366%
249	16.063	16.032	16.101	VV	31534	1187670	5.60%	0.296%
250	16.127	16.101	16.164	VV	34030	1167860	5.51%	0.291%
251	16.201	16.164	16.222	VV	38823	1179258	5.56%	0.294%
252	16.242	16.222	16.277	VV	36901	1144497	5.40%	0.285%
253	16.290	16.277	16.311	VV	31147	608509	2.87%	0.152%
254	16.331	16.311	16.364	VV	29613	903505	4.26%	0.225%
255	16.376	16.364	16.390	VV	29561	430629	2.03%	0.107%
256	16.412	16.390	16.437	VV	35479	882757	4.16%	0.220%
257	16.451	16.437	16.488	VV	31189	903324	4.26%	0.225%
258	16.498	16.488	16.506	VV	27671	287312	1.35%	0.072%
259	16.538	16.506	16.567	VV	29867	1050442	4.95%	0.262%
260	16.619	16.567	16.684	VV	32648	2100318	9.90%	0.524%
261	16.727	16.684	16.764	VV	83808	2305929	10.87%	0.575%
262	16.788	16.764	16.828	VV	45761	1387352	6.54%	0.346%
263	16.900	16.828	16.925	VV	43076	1991576	9.39%	0.497%
264	16.955	16.925	16.964	VV	41226	859851	4.05%	0.214%
265	16.980	16.964	17.011	VV	44947	1051950	4.96%	0.262%
266	17.126	17.011	17.139	VV	42481	2531310	11.93%	0.631%
267	17.156	17.139	17.164	VV	43166	614484	2.90%	0.153%
268	17.184	17.164	17.235	VV	51076	1810911	8.54%	0.451%
269	17.266	17.235	17.318	VV	101654	2977202	14.04%	0.742%
270	17.349	17.318	17.365	VV	70721	1438710	6.78%	0.359%
271	17.416	17.365	17.463	VV	192525	4723992	22.27%	1.178%
272	17.507	17.463	17.532	VV	57363	1850551	8.72%	0.461%
273	17.551	17.532	17.595	VV	42446	1508061	7.11%	0.376%
274	17.618	17.595	17.657	VV	45622	1435874	6.77%	0.358%
275	17.715	17.657	17.787	VV	88480	3908348	18.43%	0.974%
276	17.816	17.787	17.845	VV	56066	1473653	6.95%	0.367%
277	17.867	17.845	17.891	VV	43719	1058163	4.99%	0.264%
278	17.923	17.891	17.940	VV	51043	1217078	5.74%	0.303%
279	17.964	17.940	17.983	VV	52782	1172860	5.53%	0.292%
280	17.997	17.983	18.021	VV	41395	838816	3.95%	0.209%
281	18.045	18.021	18.081	VV	45357	1349321	6.36%	0.336%
282	18.104	18.081	18.127	VV	38214	948276	4.47%	0.236%
283	18.161	18.127	18.182	VV	55901	1440762	6.79%	0.359%
284	18.197	18.182	18.218	VV	44867	891832	4.20%	0.222%
285	18.261	18.218	18.304	VV	63317	2501101	11.79%	0.624%

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Instrument :
FID_E
ClientSampleId :
B-2-5-1

rteres

Manual IntegrationsAPPROVED

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286	18.340	18.304	18.378	VV	70394	2333255	11.00%	0.582%
287	18.400	18.378	18.431	VV	58826	1(		
288	18.488	18.431	18.554	VV	1105481	21		
289	18.638	18.554	18.663	VV	938744	17(		
290	18.681	18.663	18.768	VV	303724	7		
291	18.814	18.768	18.898	VV	139252	5905848	27.84%	1.472%
292	18.942	18.898	19.004	VV	150331	5988351	28.23%	1.493%
293	19.041	19.004	19.052	VV	60540	1655167	7.80%	0.413%
294	19.091	19.052	19.120	VV	468012	8716477	41.09%	2.173%
295	19.140	19.120	19.172	VV	199874	3924321	18.50%	0.978%
296	19.228	19.172	19.271	VV	181316	6565960	30.96%	1.637%
297	19.323	19.271	19.356	VV	373333	9045296	42.64%	2.255%
298	19.379	19.356	19.415	VV	115462	3643820	17.18%	0.908%
299	19.471	19.415	19.500	VV	603938	14079256	66.38%	3.510%
300	19.519	19.500	19.571	VV	232936	6681962	31.50%	1.666%
301	19.595	19.571	19.621	VV	167725	3864606	18.22%	0.964%
302	19.646	19.621	19.668	VV	211230	4267451	20.12%	1.064%
303	19.678	19.668	19.701	VV	115901	2210425	10.42%	0.551%
304	19.715	19.701	19.730	VV	115032	1989837	9.38%	0.496%
305	19.760	19.730	19.789	VV	170363	4894372	23.07%	1.220%
306	19.802	19.789	19.845	VV	127058	3006191	14.17%	0.749%
307	19.912	19.845	19.936	VV	173711	5550604	26.17%	1.384%
308	19.958	19.936	19.975	VV	173509	3182806	15.01%	0.794%
309	19.987	19.975	20.035	VV	137298	3450025	16.27%	0.860%
310	20.067	20.035	20.125	VV	99690	4298361	20.26%	1.072%
311	20.157	20.125	20.215	VV	122299	4680395	22.07%	1.167%
312	20.251	20.215	20.273	VV	126144	3378450	15.93%	0.842%
313	20.285	20.273	20.298	VV	87865	1288832	6.08%	0.321%
314	20.313	20.298	20.336	VV	92299	1940264	9.15%	0.484%
315	20.359	20.336	20.395	VV	80607	2578687	12.16%	0.643%
316	20.434	20.395	20.466	VV	118046	3884106	18.31%	0.968%
317	20.519	20.466	20.545	VV	94824	3854764	18.17%	0.961%
318	20.570	20.545	20.595	VV	76098	2155527	10.16%	0.537%
319	20.616	20.595	20.634	VV	78040	1743741	8.22%	0.435%
320	20.654	20.634	20.680	VV	77623	1979815	9.33%	0.494%
321	20.697	20.680	20.711	VV	72337	1342999	6.33%	0.335%
322	20.727	20.711	20.769	VV	74635	2353084	11.09%	0.587%
323	20.793	20.769	20.830	VV	67236	2351461	11.09%	0.586%
324	20.842	20.830	20.849	VV	62907	686245	3.24%	0.171%
325	20.857	20.849	20.881	VV	63084	1200278	5.66%	0.299%
326	20.892	20.881	20.925	VV	61963	1558711	7.35%	0.389%
327	20.947	20.925	20.968	VV	62739	1553054	7.32%	0.387%
328	21.019	20.968	21.078	VV	94481	4425539	20.86%	1.103%
329	21.115	21.078	21.204	VV	66854	4419083	20.83%	1.102%

Instrument :
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B-2-5-1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/13/2025
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rteres

330	21.228	21.204	21.251	VV	54951	1484034	7.00%	0.370%
331	21.265	21.251	21.273	VV	54259			
332	21.294	21.273	21.380	VV	56689	3(		
333	21.394	21.380	21.426	VV	45071	1:		
334	21.463	21.426	21.504	VV	39420	1712448	8.08%	0.427%
335	21.532	21.504	21.589	VV	39161	1670813	7.88%	0.417%
336	21.664	21.589	21.690	VV	39425	2070572	9.76%	0.516%
337	21.723	21.690	21.779	VV	43044	1942280	9.16%	0.484%
338	21.806	21.779	21.837	VV	28733	938796	4.43%	0.234%
339	21.868	21.837	21.905	VV	35591	1153177	5.44%	0.288%
340	21.929	21.905	21.975	VV	29001	977954	4.61%	0.244%
341	22.005	21.975	22.061	VV	25532	929809	4.38%	0.232%
342	22.124	22.061	22.170	VV	21903	1098624	5.18%	0.274%
343	22.219	22.170	22.280	VV	28870	1322872	6.24%	0.330%
344	22.326	22.280	22.365	VV	17997	662841	3.12%	0.165%
345	22.407	22.365	22.442	VV	15315	547611	2.58%	0.137%
346	22.452	22.442	22.507	VV	10131	179630	0.85%	0.045%

Sum of corrected areas: 401100554

Aliphatic EPH 080125.M Wed Aug 13 06:40:06 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081325AL\
Data File : FE055283.D
Signal(s) : FID1B.ch
Acq On : 13 Aug 2025 09:17
Operator : YP\AJ
Sample : Q2818-01DL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: sample.E
Quant Time: Aug 14 01:19:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
B-2-5-1DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.083	891597	6.244 ug/ml
Spiked Amount 50.000		Recovery =	12.49%
12) S 1-chlorooctadecane (S...	13.521	711160	6.614 ug/mlm
Spiked Amount 50.000		Recovery =	13.23%
Target Compounds			

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

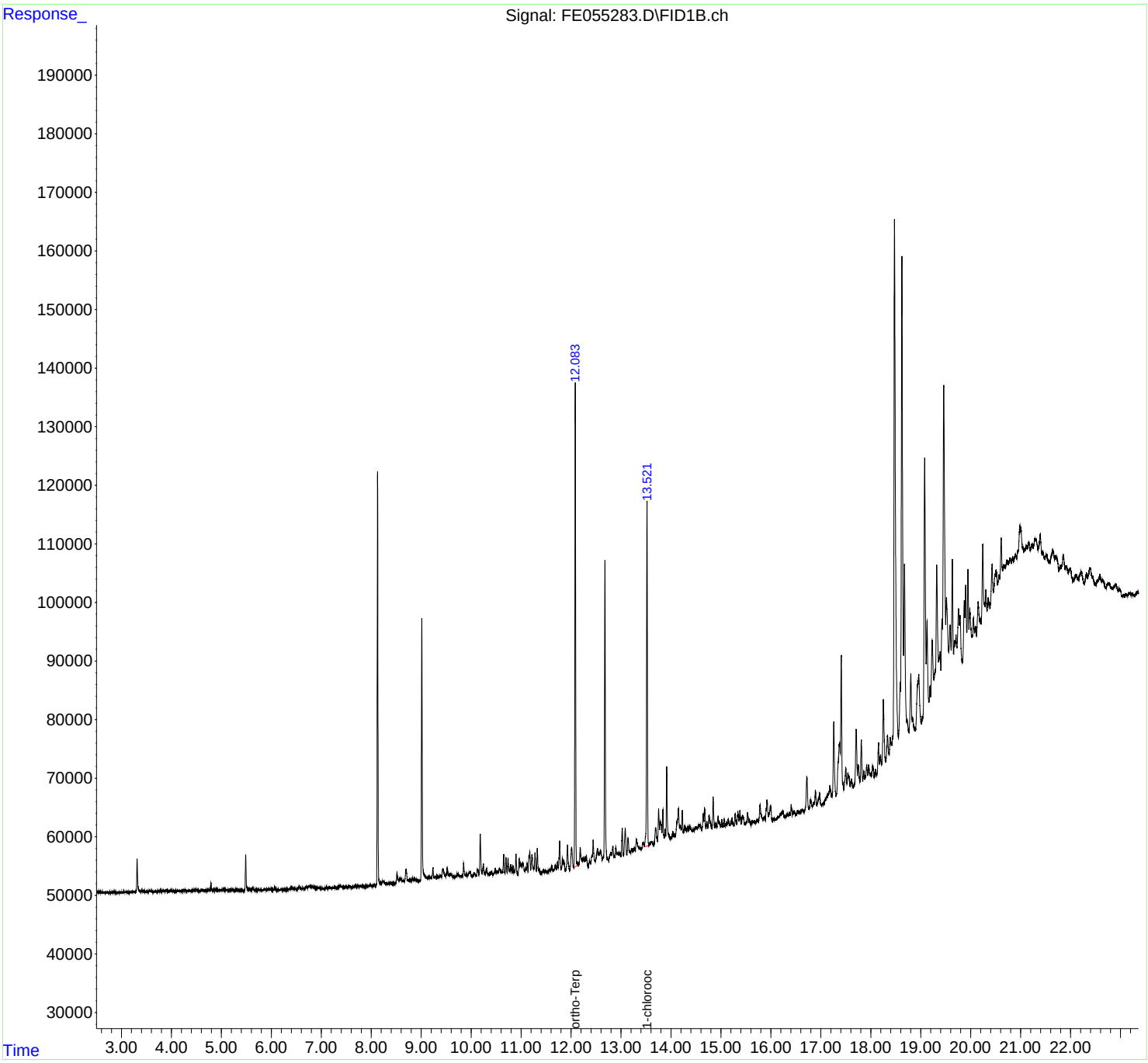
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081325AL\
Data File : FE055283.D
Signal(s) : FID1B.ch
Acq On : 13 Aug 2025 09:17
Operator : YP\AJ
Sample : Q2818-01DL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

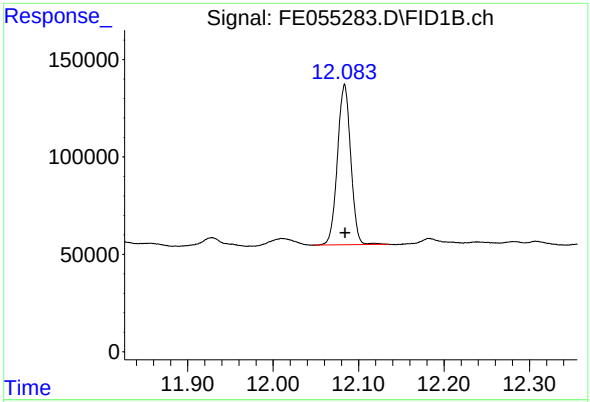
Integration File: sample.E
Quant Time: Aug 14 01:19:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
B-2-5-1DL

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025





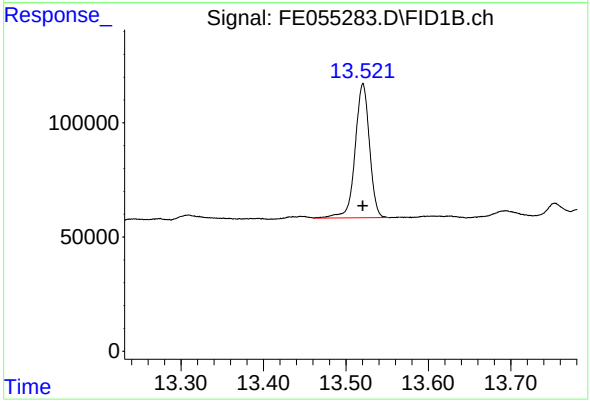
#9 ortho-Terphenyl (SURR)

R.T.: 12.083 min
Delta R.T.: 0.000 min
Response: 891597
Conc: 6.24 ug/ml

Instrument :
FID_E
ClientSampleId :
B-2-5-1DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.521 min
Delta R.T.: 0.000 min
Response: 711160
Conc: 6.61 ug/ml m

Instrument :
FID_E
ClientSampleId :
B-2-5-1DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE
Data File : FE055283.D
Signal(s) : FID1B.ch
Acq On : 13 Aug 2025 09:17
Sample : Q2818-01DL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.847	2.804	2.890	BV	118	1260	0.06%	0.003%
2	2.901	2.890	2.930	PV	81	847	0.04%	0.002%
3	2.961	2.930	2.974	PV	80	939	0.05%	0.002%
4	2.996	2.974	3.021	VH	127	1524	0.07%	0.003%
5	3.049	3.021	3.070	HH	128	2299	0.11%	0.005%
6	3.078	3.070	3.138	HH	155	3626	0.18%	0.008%
7	3.167	3.138	3.192	HH	155	3099	0.15%	0.007%
8	3.201	3.192	3.278	HH	143	6007	0.29%	0.014%
9	3.313	3.278	3.403	HH	5622	79824	3.89%	0.181%
10	3.422	3.403	3.451	HH	326	6998	0.34%	0.016%
11	3.460	3.451	3.509	HH	290	7638	0.37%	0.017%
12	3.518	3.509	3.534	HH	255	3235	0.16%	0.007%
13	3.541	3.534	3.548	HH	191	1617	0.08%	0.004%
14	3.562	3.548	3.599	HH	350	7149	0.35%	0.016%
15	3.672	3.653	3.724	HH	218	8430	0.41%	0.019%
16	3.779	3.724	3.805	HH	351	12553	0.61%	0.029%
17	3.895	3.805	3.924	HH	536	20495	1.00%	0.047%
18	3.938	3.924	3.958	HH	254	4632	0.23%	0.011%
19	4.043	4.034	4.093	HH	357	8667	0.42%	0.020%
20	4.105	4.093	4.110	HH	240	2337	0.11%	0.005%
21	4.123	4.110	4.192	HH	332	13487	0.66%	0.031%
22	4.210	4.192	4.224	HH	352	5698	0.28%	0.013%
23	4.318	4.304	4.341	HH	391	7147	0.35%	0.016%
24	4.354	4.341	4.368	HH	373	5265	0.26%	0.012%
25	4.374	4.368	4.397	HH	370	5488	0.27%	0.012%
26	4.460	4.397	4.568	HH	513	38735	1.89%	0.088%
27	4.576	4.568	4.593	HH	367	5559	0.27%	0.013%
28	4.635	4.621	4.664	HH	432	9924	0.48%	0.023%
29	4.679	4.664	4.718	HH	450	12785	0.62%	0.029%
30	4.749	4.718	4.770	HH	482	13485	0.66%	0.031%
31	4.851	4.837	4.890	HH	449	13087	0.64%	0.030%

9

Instrument :
FID_E
ClientSampleId :
B-2-5-1DL

Manual IntegrationsAPPROVED

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A B C D E F G H I J

rteres

32	5.051	5.011	5.118	HH	609	31406	1.53%	0.071%
33	5.191	5.178	5.224	HH	517	1160		
34	5.286	5.264	5.314	HH	492	1243		
35	5.337	5.314	5.381	HH	463	1526		
36	5.445	5.381	5.464	HH	436	1880		
37	5.486	5.464	5.539	HH	6427	84145	4.10%	0.191%
38	5.552	5.539	5.607	HH	610	20709	1.01%	0.047%
39	5.626	5.607	5.657	HH	838	17693	0.86%	0.040%
40	5.683	5.657	5.697	HH	511	11132	0.54%	0.025%
41	5.706	5.697	5.733	HH	503	9798	0.48%	0.022%
42	5.761	5.733	5.781	HH	562	13843	0.68%	0.031%
43	5.858	5.844	5.868	HH	559	7103	0.35%	0.016%
44	5.876	5.868	5.903	HH	525	10509	0.51%	0.024%
45	5.928	5.903	5.974	HH	644	21442	1.05%	0.049%
46	6.155	6.144	6.202	HH	494	17441	0.85%	0.040%
47	6.211	6.202	6.244	HH	521	12255	0.60%	0.028%
48	6.280	6.244	6.301	HH	592	18212	0.89%	0.041%
49	6.559	6.530	6.614	HH	1153	39391	1.92%	0.089%
50	6.628	6.614	6.669	HH	785	23676	1.15%	0.054%
51	6.698	6.669	6.728	HH	1001	29781	1.45%	0.068%
52	6.929	6.891	6.971	HH	883	38699	1.89%	0.088%
53	6.985	6.971	7.065	HH	844	39851	1.94%	0.090%
54	7.264	7.240	7.294	HH	894	26477	1.29%	0.060%
55	7.682	7.618	7.764	HH	1175	92794	4.53%	0.211%
56	7.781	7.764	7.811	HH	1140	30158	1.47%	0.068%
57	7.982	7.928	8.024	HH	1256	68367	3.33%	0.155%
58	8.061	8.024	8.085	HH	1471	45321	2.21%	0.103%
59	8.233	8.197	8.318	HH	1940	121715	5.94%	0.276%
60	8.384	8.318	8.404	HH	1676	81374	3.97%	0.185%
61	8.516	8.488	8.549	HH	3163	87222	4.25%	0.198%
62	8.770	8.754	8.793	HH	2275	50516	2.46%	0.115%
63	8.818	8.793	8.848	HH	2493	73630	3.59%	0.167%
64	8.867	8.848	8.961	HH	2480	148007	7.22%	0.336%
65	9.161	9.131	9.208	HH	2735	121581	5.93%	0.276%
66	9.235	9.208	9.299	HH	4237	158061	7.71%	0.359%
67	9.320	9.299	9.364	HH	2913	103898	5.07%	0.236%
68	9.383	9.364	9.404	HH	2983	66432	3.24%	0.151%
69	9.520	9.494	9.566	HH	4110	144928	7.07%	0.329%
70	9.850	9.781	9.888	HH	4910	204332	9.97%	0.464%
71	9.903	9.888	9.931	HH	3317	81170	3.96%	0.184%
72	10.306	10.279	10.378	HH	4167	200272	9.77%	0.455%
73	10.400	10.378	10.441	HH	3596	122177	5.96%	0.277%
74	10.479	10.441	10.503	HH	4136	131587	6.42%	0.299%
75	10.521	10.503	10.541	HH	3692	79668	3.89%	0.181%
76	10.796	10.771	10.818	HH	4725	115766	5.65%	0.263%
77	10.837	10.818	10.859	HH	4525	94197	4.59%	0.214%
78	11.171	11.137	11.194	HH	6884	184411	8.99%	0.419%
79	11.279	11.258	11.303	HH	6822	141393	6.90%	0.321%

9

Instrument :
FID_E
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B-2-5-1DL

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 08/18/2025

A B C D E F G H I J

rteres

80	11.443	11.414	11.460	HH	3859	97954	4.78%	0.222%
81	11.685	11.641	11.711	HH	4617	17535		
82	11.829	11.801	11.891	HH	5850	25541		
83	11.928	11.891	11.971	HH	8125	25209		
84	12.011	11.971	12.047	HH	7667	25387		
85	12.083	12.047	12.144	HH	86901	1154577	56.32%	2.622%
86	12.184	12.144	12.222	HH	7604	274975	13.41%	0.624%
87	12.240	12.222	12.263	HH	5903	137506	6.71%	0.312%
88	12.282	12.263	12.294	HH	6092	108806	5.31%	0.247%
89	12.308	12.294	12.342	HH	6282	151755	7.40%	0.345%
90	12.371	12.342	12.389	HH	5490	142587	6.95%	0.324%
91	12.589	12.571	12.624	HH	7214	210006	10.24%	0.477%
92	12.678	12.624	12.754	HH	56808	1030280	50.25%	2.340%
93	12.796	12.754	12.811	HH	6908	216390	10.55%	0.491%
94	12.835	12.811	12.874	HH	7907	258085	12.59%	0.586%
95	12.966	12.951	12.993	HH	6675	166035	8.10%	0.377%
96	13.210	13.186	13.227	HH	7597	177532	8.66%	0.403%
97	13.309	13.227	13.374	HH	9136	686914	33.51%	1.560%
98	13.390	13.374	13.408	HH	7641	151244	7.38%	0.343%
99	13.444	13.408	13.464	HH	8619	273883	13.36%	0.622%
100	13.520	13.464	13.581	HH	66834	1270575	61.97%	2.885%
101	13.605	13.581	13.648	HH	8707	340334	16.60%	0.773%
102	13.694	13.648	13.726	HH	11069	446904	21.80%	1.015%
103	13.838	13.821	13.864	HH	14202	297175	14.50%	0.675%
104	14.037	13.994	14.084	VV	9571	479562	23.39%	1.089%
105	14.227	14.204	14.251	VV	12369	284985	13.90%	0.647%
106	14.333	14.313	14.354	VV	8948	218077	10.64%	0.495%
107	14.374	14.354	14.424	VV	8994	354929	17.31%	0.806%
108	14.672	14.612	14.701	VV	10730	459669	22.42%	1.044%
109	14.718	14.701	14.737	VV	8135	161976	7.90%	0.368%
110	15.020	15.001	15.048	VV	6991	175947	8.58%	0.400%
111	15.063	15.048	15.084	VV	6714	136598	6.66%	0.310%
112	15.145	15.084	15.181	VV	6413	342867	16.72%	0.779%
113	15.340	15.311	15.361	VV	6865	176522	8.61%	0.401%
114	15.432	15.404	15.481	VV	5792	231409	11.29%	0.525%
115	15.534	15.481	15.601	VV	5776	317839	15.50%	0.722%
116	15.864	15.844	15.883	VV	3680	78576	3.83%	0.178%
117	15.993	15.950	16.034	VV	5059	181130	8.83%	0.411%
118	16.056	16.034	16.091	VV	2443	74670	3.64%	0.170%
119	16.408	16.289	16.431	VV	3004	155906	7.60%	0.354%
120	16.536	16.494	16.558	VV	1387	43910	2.14%	0.100%
121	16.630	16.558	16.664	VV	1334	66968	3.27%	0.152%
122	16.720	16.664	16.771	VV	6243	152381	7.43%	0.346%
123	16.798	16.771	16.829	VV	2134	50591	2.47%	0.115%
124	16.893	16.829	16.921	VV	3027	84319	4.11%	0.191%
125	16.975	16.921	17.018	VV	2391	68449	3.34%	0.155%
126	17.179	17.018	17.221	VV	2636	128161	6.25%	0.291%

9

Instrument :
FID_E
ClientSampleId :
B-2-5-1DL

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 08/18/2025

rteres

127	17.260	17.221	17.308	VV	13213	233477	11.39%	0.530%
128	17.409	17.308	17.461	VV	24121	62609		
129	17.500	17.461	17.523	VV	4157	9377		
130	17.545	17.523	17.588	VV	3074	8350		
131	17.708	17.648	17.734	VV	9848	18818		
132	17.750	17.734	17.781	VV	3461	65257	3.18%	0.148%
133	17.811	17.781	17.840	VV	7603	117890	5.75%	0.268%
134	17.861	17.840	17.881	VV	2012	31041	1.51%	0.070%
135	18.038	18.008	18.068	VV	1924	41606	2.03%	0.094%
136	18.094	18.068	18.118	PV	1151	16433	0.80%	0.037%
137	18.154	18.118	18.174	PV	5307	80702	3.94%	0.183%
138	18.194	18.174	18.221	VV	2763	54770	2.67%	0.124%
139	18.335	18.297	18.368	VV	5253	126584	6.17%	0.287%
140	18.392	18.368	18.421	VV	4405	108574	5.30%	0.247%
141	18.475	18.421	18.554	VV	90880	2050150	100.00%	4.656%
142	18.623	18.554	18.655	VV	85573	1724339	84.11%	3.916%
143	18.674	18.655	18.761	VV	31945	743757	36.28%	1.689%
144	18.801	18.761	18.891	VV	12371	392383	19.14%	0.891%
145	18.959	18.891	19.010	VV	10825	452068	22.05%	1.027%
146	19.079	19.010	19.109	VV	46738	967357	47.18%	2.197%
147	19.125	19.109	19.163	VV	18846	369867	18.04%	0.840%
148	19.230	19.163	19.263	VV	14583	536275	26.16%	1.218%
149	19.321	19.263	19.358	VV	26707	804724	39.25%	1.827%
150	19.383	19.358	19.401	VV	11137	274404	13.38%	0.623%
151	19.587	19.560	19.606	VV	14722	348011	16.97%	0.790%
152	19.632	19.606	19.658	VV	25510	500445	24.41%	1.136%
153	19.705	19.658	19.724	VV	12140	432915	21.12%	0.983%
154	19.900	19.834	19.922	VV	19386	710127	34.64%	1.613%
155	19.945	19.922	20.026	VV	21647	843806	41.16%	1.916%
156	20.056	20.026	20.078	VV	12611	336961	16.44%	0.765%
157	20.094	20.078	20.114	VV	10813	221240	10.79%	0.502%
158	20.151	20.114	20.207	VV	14548	656778	32.04%	1.491%
159	20.242	20.207	20.284	VV	23707	730992	35.66%	1.660%
160	20.350	20.328	20.386	VV	13726	448397	21.87%	1.018%
161	20.429	20.386	20.456	VV	18770	635229	30.98%	1.442%
162	20.611	20.541	20.638	VV	22010	1003122	48.93%	2.278%
163	20.662	20.638	20.681	VV	17042	430303	20.99%	0.977%
164	20.788	20.681	20.815	VV	17285	1354008	66.04%	3.075%
165	20.841	20.815	20.864	VV	17151	492563	24.03%	1.119%
166	20.894	20.864	20.921	VV	17125	570352	27.82%	1.295%
167	20.985	20.921	21.063	VV	21314	1578188	76.98%	3.584%
168	21.115	21.063	21.135	VV	17041	724352	35.33%	1.645%
169	21.161	21.135	21.190	VV	17192	546093	26.64%	1.240%
170	21.230	21.190	21.251	VV	16442	591812	28.87%	1.344%
171	21.290	21.251	21.348	VV	16890	936833	45.70%	2.127%
172	21.644	21.591	21.684	VV	12246	645201	31.47%	1.465%
173	21.700	21.684	21.767	VV	10926	494206	24.11%	1.122%
174	21.795	21.767	21.811	VV	8543	217708	10.62%	0.494%

9

Instrument :
FID_E
ClientSampleId :
B-2-5-1DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

A B C D E F G H I J

rteres

175	21.853	21.811	21.891	VV	9690	418059	20.39%	0.949%
176	21.913	21.891	21.958	VV	7479	28317		
177	21.991	21.958	22.062	VV	6692	34544		
178	22.104	22.062	22.144	VV	4689	21435		
179	22.214	22.144	22.268	VV	4440	27265		
180	22.317	22.268	22.343	VV	3471	121405	5.92%	0.276%
181	22.390	22.343	22.504	VV	3678	198921	9.70%	0.452%

Sum of corrected areas: 44037048

Aliphatic EPH 080125.M Thu Aug 14 05:19:24 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055260.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 16:57
Operator : YP\AJ
Sample : Q2818-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 13 04:05:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
B-3-5-2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/13/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.091	6816848	47.736 ug/mlm
Spiked Amount 50.000		Recovery =	95.47%
12) S 1-chlorooctadecane (S...	13.527	5219546	48.543 ug/mlm
Spiked Amount 50.000		Recovery =	97.09%
Target Compounds			

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

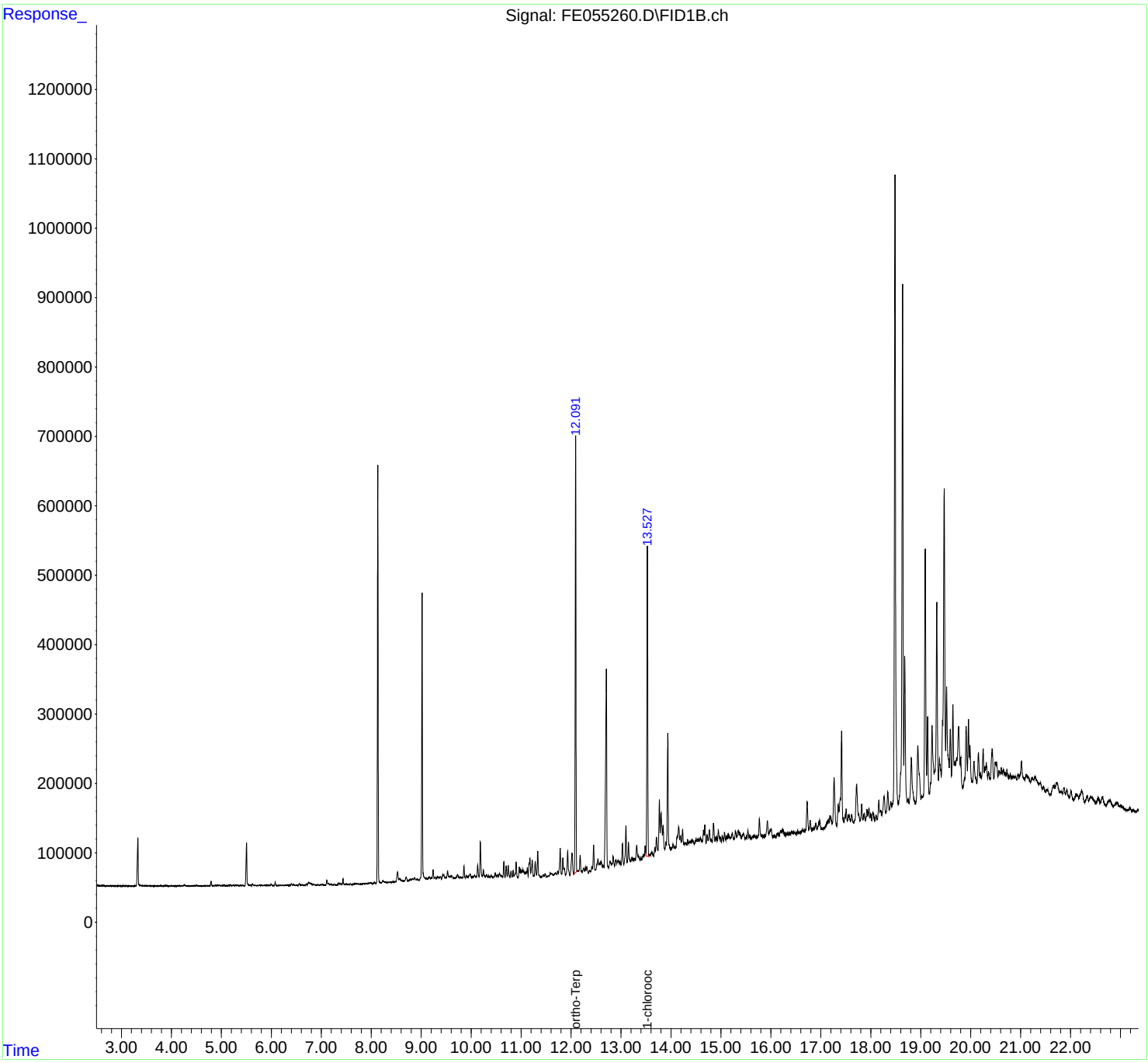
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055260.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 16:57
Operator : YP\AJ
Sample : Q2818-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

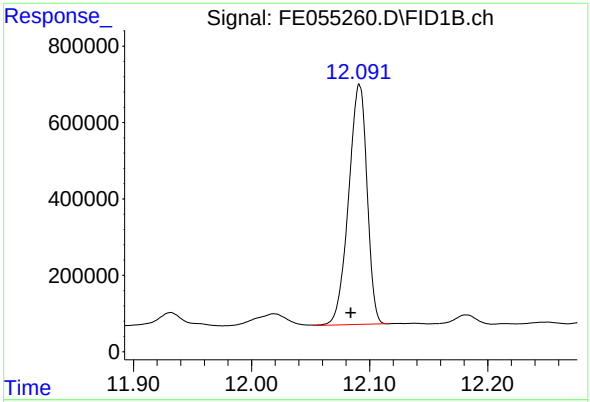
Integration File: autoint1.e
Quant Time: Aug 13 04:05:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
B-3-5-2

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/13/2025





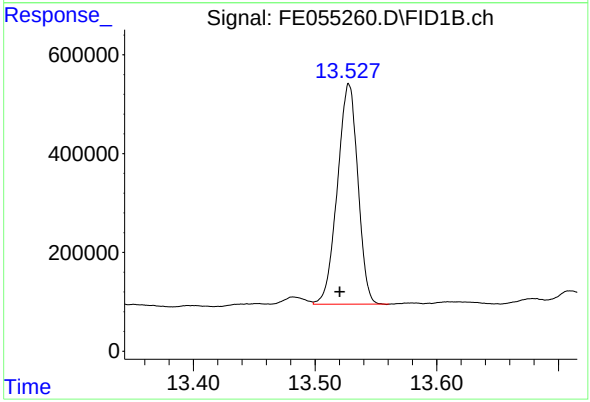
#9 ortho-Terphenyl (SURR)

R.T.: 12.091 min
Delta R.T.: 0.007 min
Response: 6816848
Conc: 47.74 ug/ml

Instrument :
FID_E
ClientSampleId :
B-3-5-2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/13/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.527 min
Delta R.T.: 0.007 min
Response: 5219546
Conc: 48.54 ug/ml m

Instrument :
FID_E
ClientSampleId :
B-3-5-2

rteres

Area Percent

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/13/2025

Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Da
Data File : FE055260.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 16:57
Sample : Q2818-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.833	2.804	2.886	BV	417	8561	0.05%	0.003%
2	2.899	2.886	2.977	VV	323	6995	0.04%	0.002%
3	2.988	2.977	3.014	VV	101	1486	0.01%	0.000%
4	3.031	3.014	3.080	VV	461	10583	0.06%	0.004%
5	3.105	3.080	3.133	VV	819	11495	0.07%	0.004%
6	3.151	3.133	3.195	VV	304	6514	0.04%	0.002%
7	3.276	3.195	3.290	PV	480	12863	0.08%	0.004%
8	3.328	3.290	3.401	VV	69544	905371	5.32%	0.301%
9	3.417	3.401	3.458	VV	1060	27271	0.16%	0.009%
10	3.460	3.458	3.518	VV	780	17428	0.10%	0.006%
11	3.556	3.518	3.591	VV	786	22294	0.13%	0.007%
12	3.608	3.591	3.658	VV	430	12978	0.08%	0.004%
13	3.664	3.658	3.707	VV	308	6090	0.04%	0.002%
14	3.719	3.707	3.729	VV	264	2777	0.02%	0.001%
15	3.784	3.729	3.838	VV	859	24711	0.15%	0.008%
16	3.892	3.838	3.918	VV	958	21126	0.12%	0.007%
17	3.933	3.918	3.971	VV	325	5316	0.03%	0.002%
18	4.008	3.971	4.027	VV	698	9468	0.06%	0.003%
19	4.047	4.027	4.090	VV	342	6769	0.04%	0.002%
20	4.127	4.090	4.177	VV	742	14349	0.08%	0.005%
21	4.211	4.177	4.224	VV	908	10083	0.06%	0.003%
22	4.240	4.224	4.253	VV	1027	12236	0.07%	0.004%
23	4.267	4.253	4.298	VV	1592	21650	0.13%	0.007%
24	4.317	4.298	4.369	VV	485	9760	0.06%	0.003%
25	4.412	4.369	4.424	PV	551	9910	0.06%	0.003%

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26	4.446	4.424	4.479	VV	601	13603	0.08%	0.005%
27	4.500	4.479	4.552	VV	1468			
28	4.560	4.552	4.592	VV	256			
29	4.633	4.592	4.660	VV	290			
30	4.681	4.660	4.712	VV	421			
31	4.723	4.712	4.735	VV	376	3791	0.02%	0.001%
32	4.757	4.735	4.769	VV	638	8693	0.05%	0.003%
33	4.793	4.769	4.827	VV	7038	80898	0.48%	0.027%
34	4.849	4.827	4.864	VV	799	10635	0.06%	0.004%
35	4.880	4.864	4.891	VV	720	8465	0.05%	0.003%
36	4.932	4.891	4.998	VV	982	44243	0.26%	0.015%
37	5.051	4.998	5.118	VV	1200	42403	0.25%	0.014%
38	5.169	5.118	5.217	VV	1232	36903	0.22%	0.012%
39	5.239	5.217	5.274	VV	737	17737	0.10%	0.006%
40	5.289	5.274	5.311	VV	1468	18123	0.11%	0.006%
41	5.335	5.311	5.360	VV	652	12621	0.07%	0.004%
42	5.386	5.360	5.414	VV	644	13869	0.08%	0.005%
43	5.427	5.414	5.468	VV	610	10522	0.06%	0.003%
44	5.503	5.468	5.601	VV	61385	801512	4.71%	0.266%
45	5.623	5.601	5.661	VV	3039	46075	0.27%	0.015%
46	5.666	5.661	5.684	VV	515	6190	0.04%	0.002%
47	5.694	5.684	5.737	VV	425	9220	0.05%	0.003%
48	5.757	5.737	5.778	VV	1334	16782	0.10%	0.006%
49	5.796	5.778	5.811	VV	797	10437	0.06%	0.003%
50	5.820	5.811	5.838	VV	451	5647	0.03%	0.002%
51	5.854	5.838	5.868	VV	656	7958	0.05%	0.003%
52	5.884	5.868	5.898	VV	619	7722	0.05%	0.003%
53	5.929	5.898	5.974	VV	974	22723	0.13%	0.008%
54	5.995	5.974	6.041	VV	2269	34093	0.20%	0.011%
55	6.077	6.041	6.104	PV	4945	50397	0.30%	0.017%
56	6.127	6.104	6.141	VV	353	4551	0.03%	0.002%
57	6.153	6.141	6.168	VV	232	2097	0.01%	0.001%
58	6.182	6.168	6.196	VV	303	3480	0.02%	0.001%
59	6.219	6.196	6.236	VV	667	7975	0.05%	0.003%
60	6.285	6.236	6.314	VV	476	10761	0.06%	0.004%
61	6.339	6.314	6.351	VV	394	6076	0.04%	0.002%
62	6.402	6.351	6.428	VV	2662	43248	0.25%	0.014%
63	6.443	6.428	6.485	VV	1213	24019	0.14%	0.008%
64	6.511	6.485	6.535	VV	486	8906	0.05%	0.003%
65	6.560	6.535	6.580	VV	3049	35407	0.21%	0.012%
66	6.591	6.580	6.607	VV	800	7713	0.05%	0.003%
67	6.623	6.607	6.651	VV	842	12691	0.07%	0.004%
68	6.660	6.651	6.677	VV	381	4689	0.03%	0.002%
69	6.696	6.677	6.712	PV	1700	21157	0.12%	0.007%

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70	6.746	6.712	6.831	VV	4317	170487	1.00%	0.057%
71	6.842	6.831	6.901	VV	1138			
72	6.930	6.901	6.960	VV	974			
73	6.989	6.960	7.001	VV	777			
74	7.027	7.001	7.069	VV	1057			
75	7.111	7.069	7.132	VV	7304	94925	0.56%	0.032%
76	7.145	7.132	7.177	VV	2070	40925	0.24%	0.014%
77	7.193	7.177	7.238	VV	1336	25637	0.15%	0.009%
78	7.262	7.238	7.304	PV	1415	18918	0.11%	0.006%
79	7.345	7.304	7.359	PV	3198	37417	0.22%	0.012%
80	7.373	7.359	7.392	VV	2950	36496	0.21%	0.012%
81	7.407	7.392	7.416	VV	1527	18247	0.11%	0.006%
82	7.435	7.416	7.463	VV	8893	98222	0.58%	0.033%
83	7.481	7.463	7.494	VV	1150	16207	0.10%	0.005%
84	7.507	7.494	7.523	VV	965	14651	0.09%	0.005%
85	7.581	7.523	7.617	VV	1902	40135	0.24%	0.013%
86	7.641	7.617	7.651	PV	1116	12118	0.07%	0.004%
87	7.679	7.651	7.698	VV	1655	32535	0.19%	0.011%
88	7.707	7.698	7.744	VV	1258	27979	0.16%	0.009%
89	7.755	7.744	7.788	VV	942	17182	0.10%	0.006%
90	7.806	7.788	7.819	VV	548	8092	0.05%	0.003%
91	7.842	7.819	7.887	VV	1660	39250	0.23%	0.013%
92	7.900	7.887	7.912	VV	933	11828	0.07%	0.004%
93	7.929	7.912	7.941	VV	1097	15529	0.09%	0.005%
94	7.982	7.941	7.991	VV	1509	37758	0.22%	0.013%
95	8.000	7.991	8.038	VV	1476	24301	0.14%	0.008%
96	8.062	8.038	8.088	VV	2669	38666	0.23%	0.013%
97	8.228	8.187	8.308	VV	4517	169118	0.99%	0.056%
98	8.322	8.308	8.331	VV	1621	19965	0.12%	0.007%
99	8.345	8.331	8.365	VV	1760	29714	0.17%	0.010%
100	8.390	8.365	8.405	VV	1670	34184	0.20%	0.011%
101	8.424	8.405	8.458	VV	2079	55342	0.33%	0.018%
102	8.478	8.458	8.493	VV	2324	40391	0.24%	0.013%
103	8.527	8.493	8.551	VV	15979	304942	1.79%	0.101%
104	8.566	8.551	8.639	VV	5683	218201	1.28%	0.072%
105	8.653	8.639	8.666	VV	2809	42525	0.25%	0.014%
106	8.698	8.666	8.729	VV	7703	183187	1.08%	0.061%
107	8.744	8.729	8.756	VV	3336	45259	0.27%	0.015%
108	8.774	8.756	8.800	VV	4593	102314	0.60%	0.034%
109	8.819	8.800	8.851	VV	5528	140499	0.83%	0.047%
110	8.869	8.851	8.899	VV	6775	142975	0.84%	0.047%
111	8.925	8.899	8.960	VV	4606	135861	0.80%	0.045%
112	9.086	9.078	9.128	VV	5365	144006	0.85%	0.048%

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113	9.167	9.128	9.183	VV	7128	184798	1.09%	0.061%
114	9.201	9.183	9.215	VV	5364			
115	9.238	9.215	9.259	VV	16651			
116	9.277	9.259	9.301	VV	5724			
117	9.324	9.301	9.336	VV	6746			
118	9.350	9.336	9.370	VV	6397	114522	0.67%	0.038%
119	9.386	9.370	9.407	VV	7057	126991	0.75%	0.042%
120	9.450	9.407	9.484	VV	8790	318694	1.87%	0.106%
121	9.528	9.484	9.568	VV	14826	394463	2.32%	0.131%
122	9.583	9.568	9.597	VV	7559	111881	0.66%	0.037%
123	9.613	9.597	9.667	VV	6998	217021	1.28%	0.072%
124	9.726	9.667	9.781	VV	8487	357786	2.10%	0.119%
125	9.794	9.781	9.833	VV	4776	132192	0.78%	0.044%
126	9.856	9.833	9.886	VV	20629	300247	1.77%	0.100%
127	9.904	9.886	9.924	VV	6470	117711	0.69%	0.039%
128	9.979	9.924	10.016	VV	8477	327844	1.93%	0.109%
129	10.035	10.016	10.043	VV	4794	71863	0.42%	0.024%
130	10.067	10.043	10.107	VV	6773	196002	1.15%	0.065%
131	10.130	10.107	10.160	VV	21293	341812	2.01%	0.114%
132	10.185	10.160	10.219	VV	54384	762063	4.48%	0.253%
133	10.246	10.219	10.284	VV	14008	296283	1.74%	0.098%
134	10.309	10.284	10.331	VV	7325	148552	0.87%	0.049%
135	10.346	10.331	10.358	VV	4900	67541	0.40%	0.022%
136	10.369	10.358	10.384	VV	4150	55590	0.33%	0.018%
137	10.402	10.384	10.441	VV	6487	136826	0.80%	0.045%
138	10.481	10.441	10.508	VV	9293	210378	1.24%	0.070%
139	10.523	10.508	10.541	VV	6040	94586	0.56%	0.031%
140	10.565	10.541	10.599	VV	7296	194003	1.14%	0.064%
141	10.610	10.599	10.630	VV	5164	73203	0.43%	0.024%
142	10.654	10.630	10.678	VV	24549	318238	1.87%	0.106%
143	10.701	10.678	10.723	VV	18377	255942	1.50%	0.085%
144	10.742	10.723	10.775	VV	19023	276143	1.62%	0.092%
145	10.798	10.775	10.820	VV	10592	161149	0.95%	0.054%
146	10.839	10.820	10.858	VV	11251	142376	0.84%	0.047%
147	10.901	10.858	10.937	VV	23302	379073	2.23%	0.126%
148	10.964	10.937	10.978	VV	16105	206345	1.21%	0.069%
149	10.991	10.978	11.004	VV	12603	157186	0.92%	0.052%
150	11.034	11.004	11.045	VV	12635	246606	1.45%	0.082%
151	11.054	11.045	11.068	VV	10752	123705	0.73%	0.041%
152	11.077	11.068	11.087	VV	7535	73154	0.43%	0.024%
153	11.099	11.087	11.109	VV	9113	104628	0.62%	0.035%
154	11.125	11.109	11.141	VV	14798	175819	1.03%	0.058%
155	11.177	11.141	11.195	VV	28582	560118	3.29%	0.186%

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156	11.223	11.195	11.252	VV	25504	432637	2.54%	0.144%
157	11.282	11.252	11.307	VV	23005			
158	11.333	11.307	11.384	VV	38364			
159	11.401	11.384	11.417	PV	1830			
160	11.444	11.417	11.460	VV	3529			
161	11.482	11.460	11.524	VV	4752	74962	0.44%	0.025%
162	11.540	11.524	11.553	VV	1517	16266	0.10%	0.005%
163	11.588	11.553	11.602	VV	5081	89182	0.52%	0.030%
164	11.620	11.602	11.638	VV	4194	74527	0.44%	0.025%
165	11.682	11.638	11.715	VV	4679	143357	0.84%	0.048%
166	11.732	11.715	11.745	VV	7226	86816	0.51%	0.029%
167	11.782	11.745	11.811	VV	39538	585990	3.45%	0.195%
168	11.835	11.811	11.888	VV	25669	466430	2.74%	0.155%
169	11.931	11.888	11.976	VV	35011	546742	3.21%	0.182%
170	12.019	11.976	12.052	PV	31367	582281	3.42%	0.193%
171	12.091	12.052	12.151	VV	631837	7002031	41.16%	2.326%
172	12.182	12.151	12.205	VV	26958	389020	2.29%	0.129%
173	12.215	12.205	12.224	VV	3624	36316	0.21%	0.012%
174	12.249	12.224	12.267	VV	7207	134031	0.79%	0.045%
175	12.285	12.267	12.298	VV	8434	109412	0.64%	0.036%
176	12.314	12.298	12.344	VV	9425	140342	0.83%	0.047%
177	12.369	12.344	12.391	PV	3442	51764	0.30%	0.017%
178	12.416	12.391	12.427	VV	8738	109328	0.64%	0.036%
179	12.451	12.427	12.481	VV	39113	539558	3.17%	0.179%
180	12.538	12.481	12.574	VV	18403	555823	3.27%	0.185%
181	12.594	12.574	12.625	VV	13906	337067	1.98%	0.112%
182	12.643	12.625	12.655	VV	8464	126534	0.74%	0.042%
183	12.706	12.655	12.751	VV	284621	4834338	28.42%	1.606%
184	12.785	12.751	12.818	VV	12021	349576	2.06%	0.116%
185	12.842	12.818	12.870	VV	18186	349756	2.06%	0.116%
186	12.899	12.870	12.916	VV	13587	276849	1.63%	0.092%
187	12.940	12.916	12.971	VV	11564	330700	1.94%	0.110%
188	12.980	12.971	12.998	VV	9290	128644	0.76%	0.043%
189	13.029	12.998	13.055	VV	35339	575498	3.38%	0.191%
190	13.099	13.055	13.123	VV	60591	970351	5.70%	0.322%
191	13.150	13.123	13.198	VV	35577	717201	4.22%	0.238%
192	13.219	13.198	13.233	VV	14049	235243	1.38%	0.078%
193	13.247	13.233	13.261	VV	11673	188528	1.11%	0.063%
194	13.273	13.261	13.288	VV	11073	167460	0.98%	0.056%
195	13.314	13.288	13.382	VV	29922	914439	5.38%	0.304%
196	13.399	13.382	13.418	VV	10862	209177	1.23%	0.069%
197	13.483	13.418	13.498	VV	27101	779641	4.58%	0.259%
198	13.528	13.498	13.560	VV	458811	5685919	33.43%	1.889%
199	13.580	13.560	13.590	VV	14327	245691	1.44%	0.082%

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200	13.612	13.590	13.654	VV	16298	556673	3.27%	0.185%
201	13.679	13.654	13.690	VV	22343			
202	13.710	13.690	13.736	VV	37599			
203	13.769	13.736	13.786	VV	89892	1		
204	13.803	13.786	13.831	VV	71780	1		
205	13.844	13.831	13.878	VV	53032	983026	5.78%	0.327%
206	13.937	13.878	13.996	VV	186958	3522842	20.71%	1.170%
207	14.044	13.996	14.061	VV	23708	791473	4.65%	0.263%
208	14.074	14.061	14.093	VV	20656	384063	2.26%	0.128%
209	14.155	14.093	14.177	VV	48520	1717272	10.10%	0.570%
210	14.189	14.177	14.209	VV	34810	586165	3.45%	0.195%
211	14.233	14.209	14.259	VV	43700	953295	5.60%	0.317%
212	14.280	14.259	14.290	VV	23556	432293	2.54%	0.144%
213	14.301	14.290	14.315	VV	23943	345527	2.03%	0.115%
214	14.337	14.315	14.354	VV	26519	569050	3.35%	0.189%
215	14.378	14.354	14.394	VV	25358	582910	3.43%	0.194%
216	14.434	14.394	14.472	VV	25953	1127275	6.63%	0.374%
217	14.501	14.472	14.527	VV	26411	793699	4.67%	0.264%
218	14.539	14.527	14.556	VV	27301	454570	2.67%	0.151%
219	14.578	14.556	14.588	VV	27597	500121	2.94%	0.166%
220	14.597	14.588	14.618	VV	27209	438195	2.58%	0.146%
221	14.650	14.618	14.662	VV	38462	780818	4.59%	0.259%
222	14.678	14.662	14.702	VV	46206	825723	4.85%	0.274%
223	14.726	14.702	14.748	VV	30889	698647	4.11%	0.232%
224	14.769	14.748	14.796	VV	37599	847779	4.98%	0.282%
225	14.807	14.796	14.825	VV	23314	390912	2.30%	0.130%
226	14.851	14.825	14.881	VV	46369	1072560	6.31%	0.356%
227	14.903	14.881	14.925	VV	26107	639602	3.76%	0.212%
228	14.949	14.925	15.006	VV	34666	1245438	7.32%	0.414%
229	15.026	15.006	15.051	VV	27097	626483	3.68%	0.208%
230	15.073	15.051	15.096	VV	31547	665126	3.91%	0.221%
231	15.111	15.096	15.125	VV	25083	403685	2.37%	0.134%
232	15.152	15.125	15.194	VV	28281	1002190	5.89%	0.333%
233	15.227	15.194	15.265	VV	29932	1019544	5.99%	0.339%
234	15.292	15.265	15.319	VV	31220	829331	4.88%	0.275%
235	15.347	15.319	15.370	VV	31026	822364	4.83%	0.273%
236	15.383	15.370	15.411	VV	27466	595282	3.50%	0.198%
237	15.449	15.411	15.482	VV	26405	968700	5.69%	0.322%
238	15.505	15.482	15.517	VV	19955	405936	2.39%	0.135%
239	15.540	15.517	15.558	VV	29633	579016	3.40%	0.192%
240	15.578	15.558	15.609	VV	22029	602434	3.54%	0.200%
241	15.638	15.609	15.649	VV	20187	457781	2.69%	0.152%
242	15.654	15.649	15.660	VV	19425	126573	0.74%	0.042%

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Instrument :
FID_E
ClientSampleId :
B-3-5-2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/13/2025

A B C D E F G H I J

rteres

243	15.671	15.660	15.700	VV	20703	459216	2.70%	0.153%
244	15.712	15.700	15.731	VV	19411			
245	15.770	15.731	15.847	VV	43878	1		
246	15.877	15.847	15.888	VV	19070			
247	15.930	15.888	15.959	VV	40009	1		
248	16.004	15.959	16.036	VV	27937	1037509	6.10%	0.345%
249	16.061	16.036	16.072	VV	17142	344914	2.03%	0.115%
250	16.078	16.072	16.092	VV	17028	192940	1.13%	0.064%
251	16.123	16.092	16.142	VV	18589	515931	3.03%	0.171%
252	16.147	16.142	16.169	VV	18447	282543	1.66%	0.094%
253	16.240	16.169	16.280	VV	24171	1360422	8.00%	0.452%
254	16.290	16.280	16.308	VV	18131	287432	1.69%	0.095%
255	16.328	16.308	16.350	VV	16661	415798	2.44%	0.138%
256	16.365	16.350	16.386	VV	16841	347601	2.04%	0.115%
257	16.414	16.386	16.434	VV	20088	498676	2.93%	0.166%
258	16.451	16.434	16.504	VV	18047	713952	4.20%	0.237%
259	16.511	16.504	16.517	VV	15891	121255	0.71%	0.040%
260	16.537	16.517	16.556	VV	18725	394383	2.32%	0.131%
261	16.565	16.556	16.573	VV	16619	162315	0.95%	0.054%
262	16.628	16.573	16.673	VV	19558	1066576	6.27%	0.354%
263	16.726	16.673	16.762	VV	59231	1614365	9.49%	0.536%
264	16.786	16.762	16.819	VV	31216	809911	4.76%	0.269%
265	16.898	16.819	16.928	VV	25939	1298716	7.64%	0.431%
266	16.980	16.928	17.020	VV	29874	1246125	7.33%	0.414%
267	17.031	17.020	17.058	VV	18294	395521	2.33%	0.131%
268	17.098	17.058	17.106	VV	22182	562445	3.31%	0.187%
269	17.125	17.106	17.133	VV	26467	383781	2.26%	0.127%
270	17.149	17.133	17.158	VV	27507	398505	2.34%	0.132%
271	17.186	17.158	17.227	VV	34388	1212375	7.13%	0.403%
272	17.267	17.227	17.316	VV	88507	2360818	13.88%	0.784%
273	17.348	17.316	17.364	VV	49338	1016646	5.98%	0.338%
274	17.416	17.364	17.463	VV	151768	3749648	22.04%	1.246%
275	17.507	17.463	17.528	VV	41199	1199134	7.05%	0.398%
276	17.570	17.528	17.592	VV	31086	1065123	6.26%	0.354%
277	17.618	17.592	17.664	VV	31306	1065590	6.26%	0.354%
278	17.716	17.664	17.781	VV	75222	2724949	16.02%	0.905%
279	17.817	17.781	17.843	VV	44374	1113205	6.54%	0.370%
280	17.868	17.843	17.890	VV	30400	715102	4.20%	0.238%
281	17.924	17.890	17.943	VV	35996	917893	5.40%	0.305%
282	17.963	17.943	17.984	VV	36899	766981	4.51%	0.255%
283	17.999	17.984	18.018	VV	28110	505223	2.97%	0.168%
284	18.042	18.018	18.083	VV	30507	968591	5.69%	0.322%
285	18.104	18.083	18.134	VV	26053	683098	4.02%	0.227%

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Instrument :
FID_E
ClientSampleId :
B-3-5-2

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/13/2025

286	18.161	18.134	18.182	VV	46905	992572	5.84%	0.330%
287	18.196	18.182	18.220	VV	32224			
288	18.266	18.220	18.301	VV	51558	1		
289	18.339	18.301	18.371	VV	56755	1		
290	18.399	18.371	18.425	VV	43070	1		
291	18.485	18.425	18.553	VV	945107	17009818	100.00%	5.650%
292	18.636	18.553	18.661	VV	788968	14189965	83.42%	4.714%
293	18.680	18.661	18.733	VV	246079	4913402	28.89%	1.632%
294	18.745	18.733	18.764	VV	42418	752730	4.43%	0.250%
295	18.812	18.764	18.897	VV	102277	4425083	26.01%	1.470%
296	18.942	18.897	19.004	VV	118673	4527672	26.62%	1.504%
297	19.020	19.004	19.050	VV	44576	1179565	6.93%	0.392%
298	19.089	19.050	19.118	VV	395959	7281063	42.81%	2.419%
299	19.138	19.118	19.173	VV	158567	3076306	18.09%	1.022%
300	19.226	19.173	19.268	VV	141833	4899321	28.80%	1.627%
301	19.321	19.268	19.354	VV	318683	7289767	42.86%	2.421%
302	19.376	19.354	19.411	VV	94662	2744496	16.13%	0.912%
303	19.470	19.411	19.498	VV	484661	11392441	66.98%	3.784%
304	19.518	19.498	19.570	VV	196695	5335238	31.37%	1.772%
305	19.592	19.570	19.616	VV	135633	2847404	16.74%	0.946%
306	19.644	19.616	19.688	VV	170424	4534510	26.66%	1.506%
307	19.718	19.688	19.726	VV	92888	2028165	11.92%	0.674%
308	19.757	19.726	19.788	VV	137031	4099418	24.10%	1.362%
309	19.801	19.788	19.844	VV	92705	2260971	13.29%	0.751%
310	19.909	19.844	19.934	VV	136119	4400055	25.87%	1.462%
311	19.957	19.934	19.973	VV	146170	2558151	15.04%	0.850%
312	19.985	19.973	20.036	VV	108088	2873074	16.89%	0.954%
313	20.067	20.036	20.124	VV	84899	3447513	20.27%	1.145%
314	20.155	20.124	20.191	VV	96331	2915505	17.14%	0.968%
315	20.196	20.191	20.211	VV	65262	759116	4.46%	0.252%
316	20.250	20.211	20.270	VV	100784	2689458	15.81%	0.893%
317	20.283	20.270	20.294	VV	73939	986821	5.80%	0.328%
318	20.312	20.294	20.340	VV	79408	1963761	11.54%	0.652%
319	20.358	20.340	20.388	VV	66923	1761094	10.35%	0.585%
320	20.431	20.388	20.464	VV	98158	3409465	20.04%	1.133%
321	20.495	20.464	20.511	VV	77960	1963359	11.54%	0.652%
322	20.518	20.511	20.544	VV	78422	1407054	8.27%	0.467%
323	20.568	20.544	20.588	VV	65916	1634340	9.61%	0.543%
324	20.614	20.588	20.631	VV	69319	1683559	9.90%	0.559%
325	20.649	20.631	20.678	VV	65904	1766064	10.38%	0.587%
326	20.688	20.678	20.706	VV	62576	1032822	6.07%	0.343%
327	20.726	20.706	20.768	VV	64982	2161707	12.71%	0.718%
328	20.795	20.768	20.808	VV	58693	1331349	7.83%	0.442%
329	20.820	20.808	20.844	VV	55160	1193607	7.02%	0.396%

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Instrument :
FID_E
ClientSampleId :
B-3-5-2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/13/2025

A B C D E F G H I J

rteres

330	20.852	20.844	20.888	VV	55378	1407026	8.27%	0.467%
331	20.903	20.888	20.923	VV	54271	1[illegible]		
332	20.948	20.923	20.966	VV	58264	1[illegible]		
333	21.014	20.966	21.080	VV	73578	3[illegible]		
334	21.112	21.080	21.193	VV	55635	3[illegible]		
335	21.236	21.193	21.261	VV	49206	1898532	11.16%	0.631%
336	21.292	21.261	21.358	VV	50858	2639733	15.52%	0.877%
337	21.372	21.358	21.385	VV	40617	643752	3.78%	0.214%
338	21.396	21.385	21.438	VV	41393	1163643	6.84%	0.387%
339	21.458	21.438	21.497	VV	33622	1078321	6.34%	0.358%
340	21.529	21.497	21.593	VV	29342	1486643	8.74%	0.494%
341	21.658	21.593	21.685	VV	33832	1584394	9.31%	0.526%
342	21.723	21.685	21.800	VV	37723	2088727	12.28%	0.694%
343	21.811	21.800	21.836	VV	24247	492720	2.90%	0.164%
344	21.868	21.836	21.901	VV	28861	941645	5.54%	0.313%
345	21.925	21.901	21.973	VV	25166	841089	4.94%	0.279%
346	22.006	21.973	22.064	VV	21699	831958	4.89%	0.276%
347	22.109	22.064	22.161	VV	16724	803812	4.73%	0.267%
348	22.220	22.161	22.276	VV	20221	965021	5.67%	0.321%
349	22.333	22.276	22.361	VV	11648	393111	2.31%	0.131%
350	22.405	22.361	22.496	VV	11601	545798	3.21%	0.181%
351	22.509	22.496	22.517	VV	1402	9182	0.05%	0.003%

Sum of corrected areas: 301045722

Aliphatic EPH 080125.M Wed Aug 13 06:40:31 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081325AL\
Data File : FE055284.D
Signal(s) : FID1B.ch
Acq On : 13 Aug 2025 09:48
Operator : YP\AJ
Sample : Q2818-02DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: sample.E
Quant Time: Aug 14 01:20:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
B-3-5-2DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.084	1465865	10.265 ug/ml
Spiked Amount 50.000		Recovery =	20.53%
12) S 1-chlorooctadecane (S...	13.521	1137612	10.580 ug/mlm
Spiked Amount 50.000		Recovery =	21.16%
Target Compounds			

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

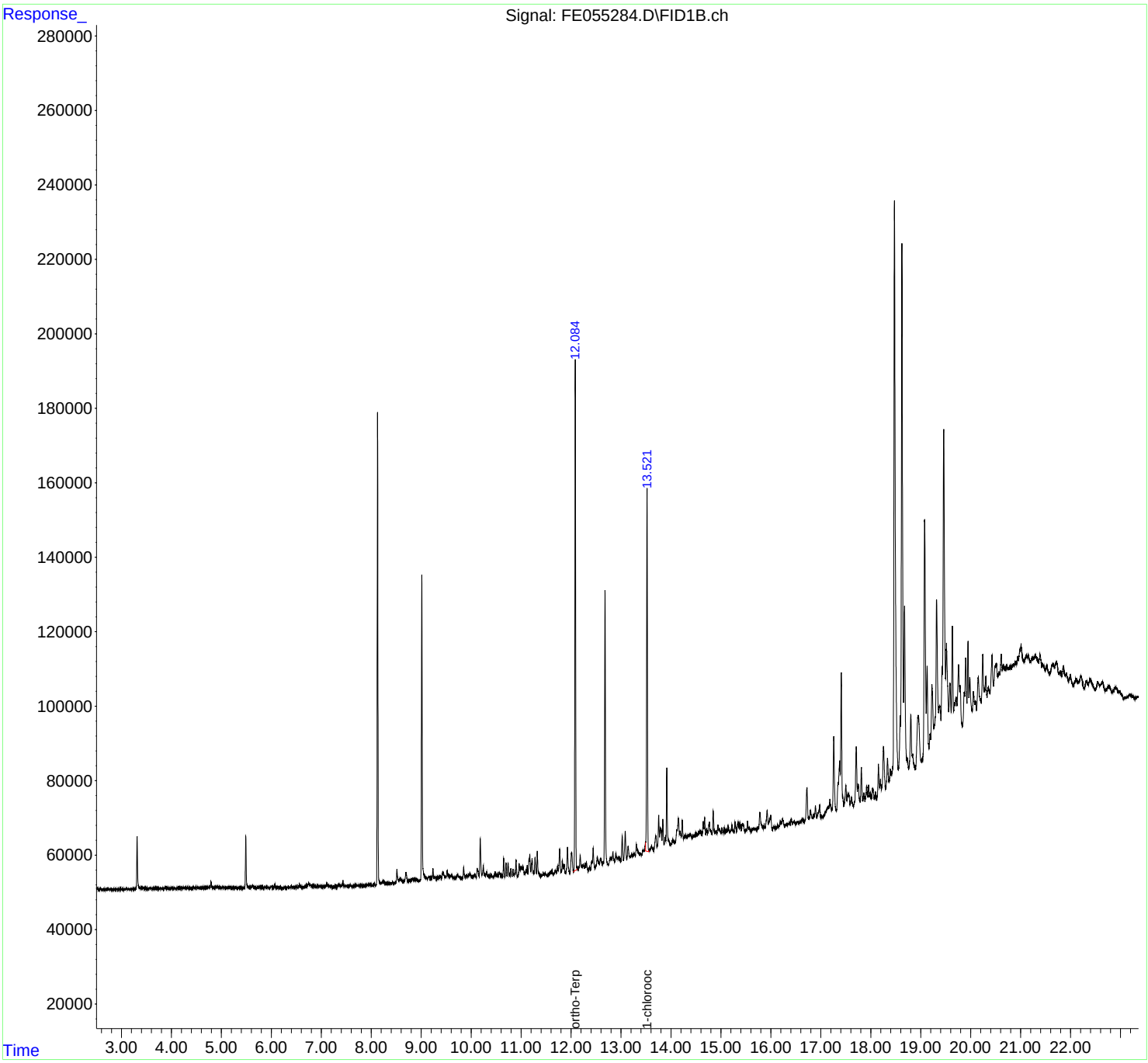
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081325AL\
Data File : FE055284.D
Signal(s) : FID1B.ch
Acq On : 13 Aug 2025 09:48
Operator : YP\AJ
Sample : Q2818-02DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

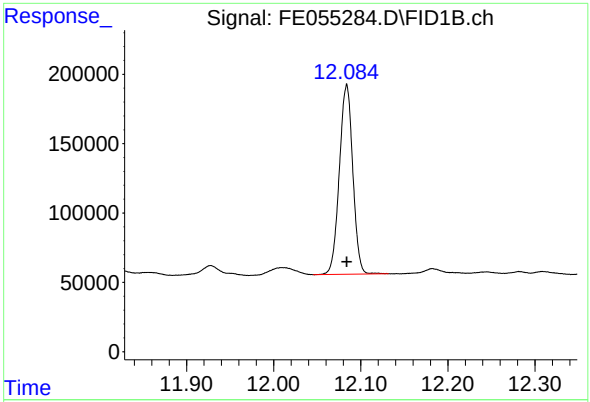
Integration File: sample.E
Quant Time: Aug 14 01:20:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
B-3-5-2DL

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025





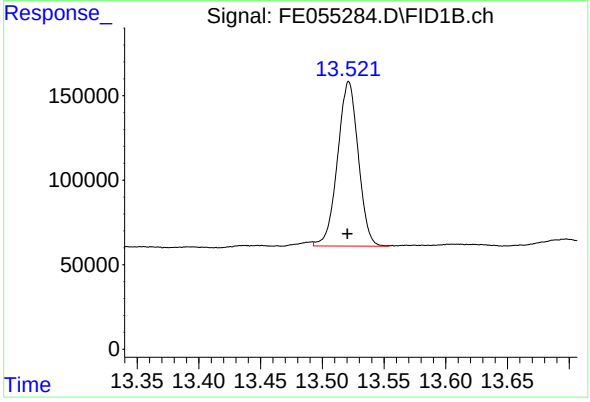
#9 ortho-Terphenyl (SURR)

R.T.: 12.084 min
Delta R.T.: 0.000 min
Response: 1465865
Conc: 10.26 ug/ml

Instrument :
FID_E
ClientSampleId :
B-3-5-2DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.521 min
Delta R.T.: 0.000 min
Response: 1137612
Conc: 10.58 ug/ml m

Instrument :
FID_E
ClientSampleId :
B-3-5-2DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE
Data File : FE055284.D
Signal(s) : FID1B.ch
Acq On : 13 Aug 2025 09:48
Sample : Q2818-02DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.840	2.804	2.892	BV	68	305	0.01%	0.000%
2	2.913	2.892	2.961	PV	41	-79	-0.00%	-0.000%
3	2.970	2.961	3.008	PH	49	340	0.01%	0.000%
4	3.014	3.008	3.049	PH	43	-700	-0.02%	-0.001%
5	3.108	3.049	3.138	PH	155	-825	-0.02%	-0.001%
6	3.147	3.138	3.179	PH	104	752	0.02%	0.001%
7	3.211	3.179	3.244	PH	66	127	0.00%	0.000%
8	3.313	3.244	3.407	PH	13889	165217	4.94%	0.240%
9	3.419	3.407	3.461	HH	326	7789	0.23%	0.011%
10	3.562	3.529	3.578	HH	312	6489	0.19%	0.009%
11	3.583	3.578	3.616	HH	242	4907	0.15%	0.007%
12	3.892	3.852	3.922	HH	597	12976	0.39%	0.019%
13	3.932	3.922	3.991	HH	197	7669	0.23%	0.011%
14	4.148	4.144	4.164	HH	335	3018	0.09%	0.004%
15	4.199	4.164	4.228	HH	448	10826	0.32%	0.016%
16	4.241	4.228	4.256	HH	481	6657	0.20%	0.010%
17	4.271	4.256	4.301	HH	484	9943	0.30%	0.014%
18	4.330	4.325	4.348	HH	357	3529	0.11%	0.005%
19	4.354	4.348	4.371	HH	282	3467	0.10%	0.005%
20	4.445	4.434	4.456	HH	532	6076	0.18%	0.009%
21	4.472	4.456	4.484	HH	472	7429	0.22%	0.011%
22	4.500	4.484	4.541	HH	603	15105	0.45%	0.022%
23	4.619	4.604	4.658	HH	396	11517	0.34%	0.017%
24	4.677	4.658	4.741	HH	473	21117	0.63%	0.031%
25	4.759	4.741	4.770	HH	511	8081	0.24%	0.012%
26	4.793	4.770	4.833	HH	1966	31454	0.94%	0.046%
27	4.848	4.833	4.864	HH	500	7674	0.23%	0.011%
28	4.913	4.864	4.958	HH	666	29128	0.87%	0.042%
29	5.026	5.008	5.038	HH	488	7574	0.23%	0.011%
30	5.053	5.038	5.094	HH	609	15976	0.48%	0.023%
31	5.101	5.094	5.111	HH	426	4263	0.13%	0.006%

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Instrument :
FID_E
ClientSampleId :
B-3-5-2DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/14/2025
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A B C D E F G H I J

rteres

32	5.165	5.111	5.218	HH	555	27053	0.81%	0.039%
33	5.231	5.218	5.257	HH	405	794		
34	5.289	5.257	5.354	HH	504	2138		
35	5.392	5.354	5.434	HH	398	1584		
36	5.446	5.434	5.461	HH	351	497		
37	5.488	5.461	5.580	HH	14236	176233	5.26%	0.256%
38	5.590	5.580	5.601	HH	567	6107	0.18%	0.009%
39	5.626	5.601	5.678	HH	1044	26974	0.81%	0.039%
40	5.691	5.678	5.745	HH	483	16798	0.50%	0.024%
41	5.762	5.745	5.782	HH	532	10377	0.31%	0.015%
42	5.857	5.838	5.894	HH	498	15211	0.45%	0.022%
43	6.068	6.036	6.099	HH	1286	24117	0.72%	0.035%
44	6.212	6.201	6.241	HH	466	9338	0.28%	0.014%
45	6.333	6.308	6.368	HH	502	16121	0.48%	0.023%
46	6.444	6.434	6.498	HH	687	22007	0.66%	0.032%
47	6.512	6.498	6.537	HH	618	12769	0.38%	0.019%
48	6.591	6.580	6.609	HH	689	10310	0.31%	0.015%
49	6.929	6.888	6.965	HH	807	32555	0.97%	0.047%
50	7.051	7.042	7.071	HH	629	10501	0.31%	0.015%
51	7.179	7.168	7.214	HH	787	19061	0.57%	0.028%
52	7.341	7.310	7.359	HH	1231	27280	0.81%	0.040%
53	7.373	7.359	7.389	HH	1258	18997	0.57%	0.028%
54	7.404	7.389	7.414	HH	992	14911	0.45%	0.022%
55	7.478	7.460	7.490	HH	948	15768	0.47%	0.023%
56	7.503	7.490	7.520	HH	967	15465	0.46%	0.022%
57	7.580	7.560	7.621	HH	1106	31400	0.94%	0.046%
58	7.680	7.654	7.698	HH	1130	26243	0.78%	0.038%
59	7.811	7.782	7.824	HH	1053	24576	0.73%	0.036%
60	7.860	7.824	7.885	HH	1106	37380	1.12%	0.054%
61	7.991	7.885	8.031	HH	1275	97508	2.91%	0.142%
62	8.062	8.031	8.091	HH	1503	42119	1.26%	0.061%
63	8.228	8.202	8.324	HH	2082	129441	3.87%	0.188%
64	8.339	8.324	8.363	HH	1646	36418	1.09%	0.053%
65	8.383	8.363	8.404	HH	1640	39398	1.18%	0.057%
66	8.435	8.404	8.453	HH	1785	49722	1.49%	0.072%
67	8.473	8.453	8.484	HH	1746	31731	0.95%	0.046%
68	8.514	8.484	8.548	HH	5247	113956	3.40%	0.165%
69	8.584	8.548	8.634	HH	2811	129274	3.86%	0.188%
70	8.695	8.634	8.732	HH	4498	165385	4.94%	0.240%
71	8.742	8.732	8.754	HH	2254	29495	0.88%	0.043%
72	8.772	8.754	8.797	HH	2481	59970	1.79%	0.087%
73	8.820	8.797	8.848	HH	2838	79297	2.37%	0.115%
74	8.867	8.848	8.897	HH	2969	77719	2.32%	0.113%
75	8.925	8.897	8.957	HH	2652	87834	2.62%	0.128%
76	9.161	9.124	9.183	HH	3304	108397	3.24%	0.157%
77	9.275	9.258	9.299	HH	3158	74620	2.23%	0.108%
78	9.320	9.299	9.334	HH	3389	64478	1.93%	0.094%
79	9.351	9.334	9.368	HH	3236	61693	1.84%	0.090%

9

Instrument :
FID_E
ClientSampleId :
B-3-5-2DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

A B C D E F G H I J

rteres

80	9.385	9.368	9.408	HH	3501	77723	2.32%	0.113%
81	9.580	9.564	9.595	HH	3730	6352		
82	9.609	9.595	9.667	HH	3633	14090		
83	9.681	9.667	9.691	HH	3141	4468		
84	9.722	9.691	9.778	HH	3939	17677		
85	9.794	9.778	9.805	HH	3221	50800	1.52%	0.074%
86	9.816	9.805	9.830	HH	3158	46025	1.37%	0.067%
87	10.121	10.103	10.158	HH	5631	147819	4.42%	0.215%
88	10.244	10.215	10.281	HH	6338	179129	5.35%	0.260%
89	10.307	10.281	10.332	HH	4645	122526	3.66%	0.178%
90	10.343	10.332	10.352	HH	3595	41064	1.23%	0.060%
91	10.364	10.352	10.384	HH	3631	68461	2.05%	0.099%
92	10.400	10.384	10.440	HH	4082	120272	3.59%	0.175%
93	10.521	10.507	10.538	HH	3997	69798	2.09%	0.101%
94	10.565	10.538	10.598	HH	4378	143928	4.30%	0.209%
95	10.607	10.598	10.624	HH	3741	56732	1.69%	0.082%
96	10.837	10.818	10.856	HH	5414	101098	3.02%	0.147%
97	10.961	10.933	10.976	HH	6887	131524	3.93%	0.191%
98	11.007	10.998	11.019	HH	5937	71653	2.14%	0.104%
99	11.033	11.019	11.064	HH	6120	144598	4.32%	0.210%
100	11.220	11.193	11.255	HH	8158	215639	6.44%	0.313%
101	11.279	11.255	11.304	HH	8497	178289	5.33%	0.259%
102	11.324	11.304	11.381	HH	10179	253245	7.57%	0.368%
103	11.443	11.411	11.460	HH	4249	112565	3.36%	0.163%
104	11.617	11.596	11.642	HH	5012	122795	3.67%	0.178%
105	11.729	11.710	11.743	HH	6100	104974	3.14%	0.152%
106	11.771	11.743	11.801	HH	10781	245391	7.33%	0.356%
107	11.827	11.801	11.843	HH	7672	152025	4.54%	0.221%
108	11.856	11.843	11.885	HH	6335	138669	4.14%	0.201%
109	12.010	11.972	12.046	HH	9801	305497	9.13%	0.444%
110	12.084	12.046	12.143	HH	141660	1763266	52.67%	2.560%
111	12.183	12.143	12.223	HH	9103	317208	9.48%	0.461%
112	12.244	12.223	12.264	HH	6753	153623	4.59%	0.223%
113	12.282	12.264	12.295	HH	6981	117775	3.52%	0.171%
114	12.309	12.295	12.343	HH	7051	173119	5.17%	0.251%
115	12.367	12.343	12.387	HH	5869	145859	4.36%	0.212%
116	12.587	12.571	12.621	HH	8058	226183	6.76%	0.328%
117	12.642	12.621	12.650	HH	7330	123181	3.68%	0.179%
118	12.680	12.650	12.750	HH	80183	1232901	36.83%	1.790%
119	12.936	12.928	12.955	HH	8381	134658	4.02%	0.196%
120	12.971	12.955	12.994	HH	8367	192928	5.76%	0.280%
121	13.024	12.994	13.050	HH	14265	339323	10.14%	0.493%
122	13.211	13.198	13.228	HH	9447	167980	5.02%	0.244%
123	13.271	13.261	13.285	HH	9357	136705	4.08%	0.198%
124	13.393	13.374	13.418	HH	9723	246189	7.35%	0.357%
125	13.449	13.418	13.468	HH	10561	306272	9.15%	0.445%
126	13.521	13.468	13.558	HH	107386	1708145	51.03%	2.480%

9

Instrument :
FID_E
ClientSampleId :
B-3-5-2DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

A B C D E F G H I J

rteres

127	13.575	13.558	13.584	HH	10719	169076	5.05%	0.245%
128	13.607	13.584	13.651	HH	11274	43651		
129	13.697	13.651	13.725	HH	14373	54941		
130	13.755	13.725	13.773	HH	19729	42950		
131	13.838	13.819	13.861	HH	18748	38227		
132	13.884	13.861	13.896	HH	13888	276567	8.26%	0.402%
133	13.917	13.896	13.991	HH	32144	925614	27.65%	1.344%
134	14.003	13.991	14.008	HV	12092	124884	3.73%	0.181%
135	14.036	14.008	14.055	VV	13187	352346	10.53%	0.512%
136	14.064	14.055	14.082	VV	12420	198205	5.92%	0.288%
137	14.185	14.172	14.205	VV	14375	270190	8.07%	0.392%
138	14.227	14.205	14.250	VV	17043	388370	11.60%	0.564%
139	14.333	14.314	14.348	VV	12409	248694	7.43%	0.361%
140	14.462	14.451	14.472	VV	11571	146531	4.38%	0.213%
141	14.496	14.472	14.517	VV	12296	315690	9.43%	0.458%
142	14.674	14.658	14.698	VV	15299	308184	9.21%	0.447%
143	14.766	14.734	14.820	VV	13519	584467	17.46%	0.849%
144	14.845	14.820	14.888	VV	15917	483678	14.45%	0.702%
145	15.019	15.000	15.043	VV	10406	249530	7.45%	0.362%
146	15.104	15.084	15.118	VV	9710	186811	5.58%	0.271%
147	15.146	15.118	15.176	VV	10069	326650	9.76%	0.474%
148	15.220	15.176	15.260	VV	10127	439938	13.14%	0.639%
149	15.428	15.411	15.479	VV	9208	335723	10.03%	0.487%
150	15.567	15.553	15.601	VV	7368	196418	5.87%	0.285%
151	15.631	15.601	15.641	VV	6688	157328	4.70%	0.228%
152	15.661	15.641	15.679	VV	6590	146723	4.38%	0.213%
153	15.684	15.679	15.694	VV	6435	57343	1.71%	0.083%
154	15.700	15.694	15.718	VV	6296	87503	2.61%	0.127%
155	15.779	15.754	15.848	VV	10158	407174	12.16%	0.591%
156	15.864	15.848	15.880	VV	6189	114161	3.41%	0.166%
157	15.994	15.948	16.032	VV	7970	320541	9.58%	0.465%
158	16.068	16.032	16.084	VV	4604	138473	4.14%	0.201%
159	16.189	16.156	16.208	VV	5342	146558	4.38%	0.213%
160	16.236	16.208	16.278	VV	5686	198567	5.93%	0.288%
161	16.372	16.347	16.386	VV	3843	85176	2.54%	0.124%
162	16.409	16.386	16.434	VV	4794	115274	3.44%	0.167%
163	16.463	16.434	16.500	VV	3799	134182	4.01%	0.195%
164	16.531	16.500	16.552	VV	3382	96671	2.89%	0.140%
165	16.585	16.552	16.598	VV	3104	78975	2.36%	0.115%
166	16.795	16.761	16.833	VV	4672	145438	4.34%	0.211%
167	16.855	16.833	16.867	VV	3310	59655	1.78%	0.087%
168	16.893	16.867	16.920	VV	5362	113285	3.38%	0.164%
169	16.975	16.920	17.008	VV	5156	163417	4.88%	0.237%
170	17.029	17.008	17.045	VV	1890	37401	1.12%	0.054%
171	17.141	17.045	17.161	VV	3699	183601	5.48%	0.267%
172	17.181	17.161	17.222	VV	5455	137059	4.09%	0.199%
173	17.259	17.222	17.303	VV	21447	409628	12.24%	0.595%
174	17.377	17.303	17.391	VV	14608	423927	12.66%	0.616%

9

Instrument :
FID_E
ClientSampleId :
B-3-5-2DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

A B C D E F G H I J

rteres

175	17.410	17.391	17.460	VV	38158	592341	17.69%	0.860%
176	17.501	17.460	17.522	VV	7285	16808		
177	17.544	17.522	17.585	VV	5008	14502		
178	17.611	17.585	17.654	VV	3522	8819		
179	17.709	17.654	17.733	VV	16526	31797		
180	17.747	17.733	17.785	VV	6022	124367	3.72%	0.181%
181	17.812	17.785	17.839	VV	10275	157533	4.71%	0.229%
182	17.918	17.883	17.937	VV	4402	90229	2.70%	0.131%
183	17.988	17.974	18.010	VV	2475	38193	1.14%	0.055%
184	18.039	18.010	18.071	VV	3441	71332	2.13%	0.104%
185	18.096	18.071	18.116	VV	2082	28450	0.85%	0.041%
186	18.154	18.116	18.175	PV	8813	138340	4.13%	0.201%
187	18.193	18.175	18.211	VV	5021	75677	2.26%	0.110%
188	18.254	18.211	18.298	VV	13228	320813	9.58%	0.466%
189	18.334	18.298	18.365	VV	9527	205987	6.15%	0.299%
190	18.390	18.365	18.410	VV	6132	128162	3.83%	0.186%
191	18.473	18.410	18.551	VV	157767	3347589	100.00%	4.861%
192	18.623	18.551	18.656	VV	144866	2783029	83.14%	4.041%
193	18.675	18.656	18.758	VV	48208	1059191	31.64%	1.538%
194	18.801	18.758	18.888	VV	18105	593906	17.74%	0.862%
195	18.953	18.888	19.006	VV	17002	692749	20.69%	1.006%
196	19.078	19.006	19.109	VV	68392	1459759	43.61%	2.120%
197	19.127	19.109	19.168	VV	29066	577604	17.25%	0.839%
198	19.187	19.168	19.201	VV	10369	181713	5.43%	0.264%
199	19.225	19.201	19.258	VV	23373	576376	17.22%	0.837%
200	19.317	19.258	19.358	VV	45431	1322260	39.50%	1.920%
201	19.380	19.358	19.403	VV	16547	423739	12.66%	0.615%
202	19.460	19.403	19.497	VV	90164	2325745	69.48%	3.377%
203	19.515	19.497	19.558	VV	31850	869140	25.96%	1.262%
204	19.585	19.558	19.608	VV	20955	526510	15.73%	0.764%
205	19.634	19.608	19.658	VV	36206	685948	20.49%	0.996%
206	19.681	19.658	19.690	VV	15407	280854	8.39%	0.408%
207	19.709	19.690	19.725	VV	16817	333298	9.96%	0.484%
208	19.758	19.725	19.779	VV	25193	645209	19.27%	0.937%
209	19.789	19.779	19.835	VV	19134	439326	13.12%	0.638%
210	19.871	19.835	19.880	VV	16836	340996	10.19%	0.495%
211	19.900	19.880	19.925	VV	25980	544609	16.27%	0.791%
212	19.946	19.925	19.966	VV	30362	530879	15.86%	0.771%
213	19.983	19.966	20.030	VV	19928	579152	17.30%	0.841%
214	20.056	20.030	20.084	VV	15782	433485	12.95%	0.629%
215	20.096	20.084	20.117	VV	13036	244615	7.31%	0.355%
216	20.152	20.117	20.210	VV	18887	806321	24.09%	1.171%
217	20.242	20.210	20.283	VV	24585	758599	22.66%	1.101%
218	20.302	20.283	20.328	VV	18225	420188	12.55%	0.610%
219	20.355	20.328	20.386	VV	15372	491115	14.67%	0.713%
220	20.428	20.386	20.456	VV	23241	749325	22.38%	1.088%
221	20.511	20.456	20.542	VV	20322	945347	28.24%	1.373%

9

Instrument :
FID_E
ClientSampleId :
B-3-5-2DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

A B C D E F G H I J

rteres

222	20.567	20.542	20.580	VV	17654	398437	11.90%	0.579%
223	20.610	20.580	20.632	VV	22089	60626		
224	20.653	20.632	20.701	VV	18999	74527		
225	20.718	20.701	20.755	VV	18577	58778		
226	20.792	20.755	20.817	VV	17836	64977		
227	20.853	20.817	20.870	VV	17996	553566	16.54%	0.804%
228	20.894	20.870	20.908	VV	18354	409425	12.23%	0.594%
229	20.942	20.908	20.954	VV	19234	507666	15.17%	0.737%
230	21.008	20.954	21.075	VV	22196	1402916	41.91%	2.037%
231	21.120	21.075	21.134	VV	18402	636620	19.02%	0.924%
232	21.155	21.134	21.194	VV	18161	625695	18.69%	0.908%
233	21.229	21.194	21.238	VV	17331	434531	12.98%	0.631%
234	21.248	21.238	21.267	VV	17014	293139	8.76%	0.426%
235	21.290	21.267	21.362	VV	17511	933525	27.89%	1.355%
236	21.388	21.362	21.419	VV	16784	535201	15.99%	0.777%
237	21.443	21.419	21.494	VV	14001	598380	17.87%	0.869%
238	21.518	21.494	21.571	VV	13005	550572	16.45%	0.799%
239	21.656	21.571	21.681	VV	12487	773203	23.10%	1.123%
240	21.717	21.681	21.760	VV	12575	549481	16.41%	0.798%
241	21.796	21.760	21.823	VV	9668	345976	10.34%	0.502%
242	21.856	21.823	21.890	VV	10580	372149	11.12%	0.540%
243	21.915	21.890	21.954	VV	8416	285384	8.53%	0.414%
244	21.995	21.954	22.064	VV	7306	377717	11.28%	0.548%
245	22.111	22.064	22.144	VV	5475	236757	7.07%	0.344%
246	22.205	22.144	22.271	VV	5621	314313	9.39%	0.456%
247	22.319	22.271	22.354	VV	3560	140100	4.19%	0.203%
248	22.394	22.354	22.495	VV	3433	167631	5.01%	0.243%

Sum of corrected areas: 68871421

Aliphatic EPH 080125.M Thu Aug 14 04:48:11 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081225AL\
Data File : FC069644.D
Signal(s) : FID1A.ch
Acq On : 12 Aug 2025 20:22
Operator : YP/AJ
Sample : PB169207BL
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB169207BL

Integration File: autoint1.e
Quant Time: Aug 13 01:18:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.667	5198688	34.847 ug/ml
Spiked Amount 50.000		Recovery =	69.69%
12) S 1-chlorooctadecane (S...	13.101	4029814	36.963 ug/ml
Spiked Amount 50.000		Recovery =	73.93%
Target Compounds			

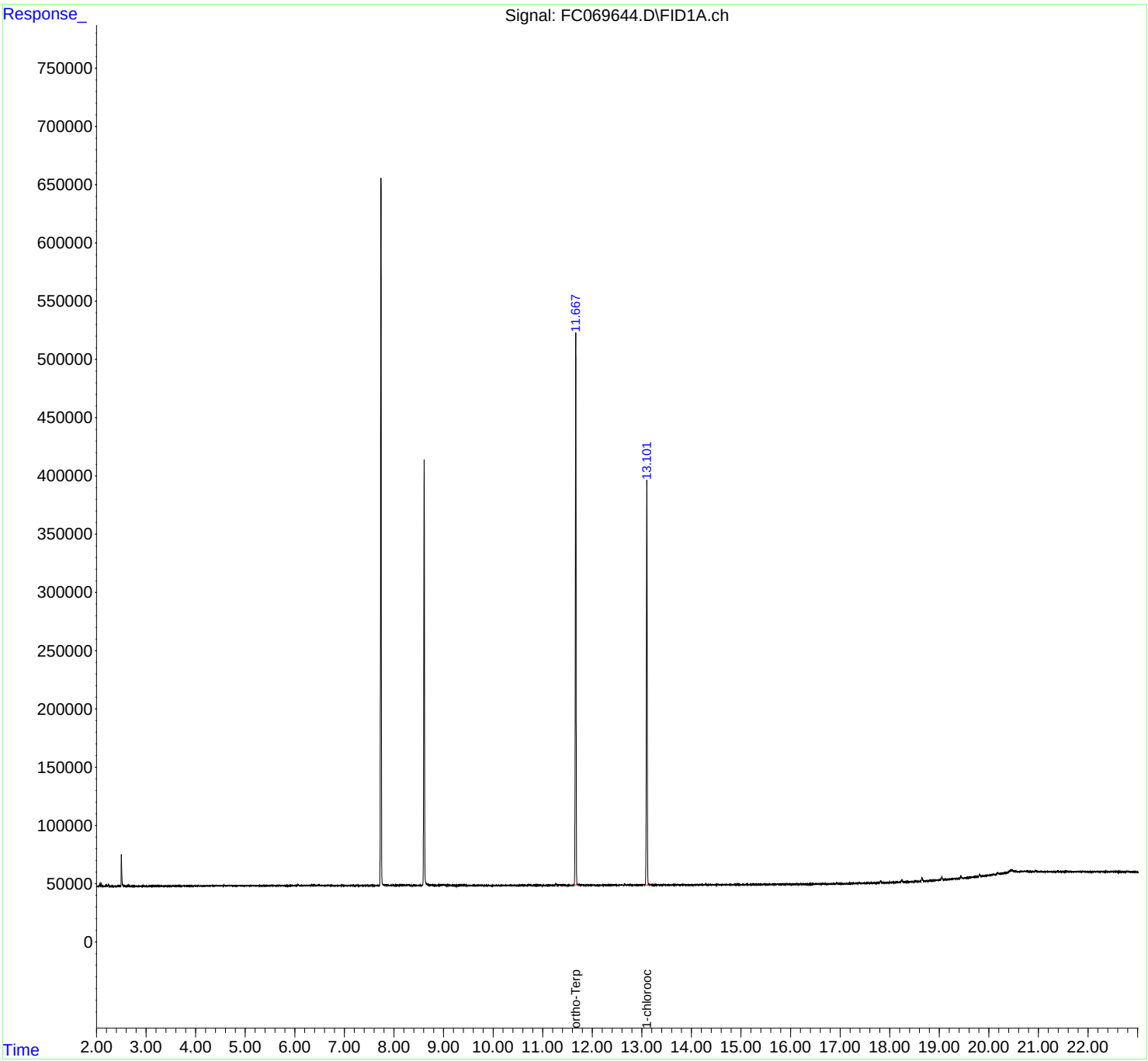
(f)=RT Delta > 1/2 Window (m)=manual int.

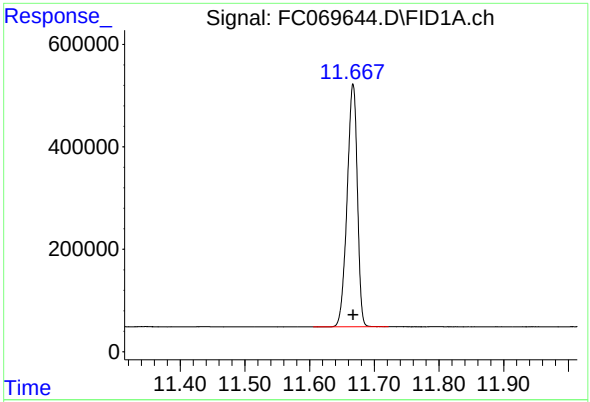
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081225AL\
Data File : FC069644.D
Signal(s) : FID1A.ch
Acq On : 12 Aug 2025 20:22
Operator : YP/AJ
Sample : PB169207BL
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB169207BL

Integration File: autoint1.e
Quant Time: Aug 13 01:18:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

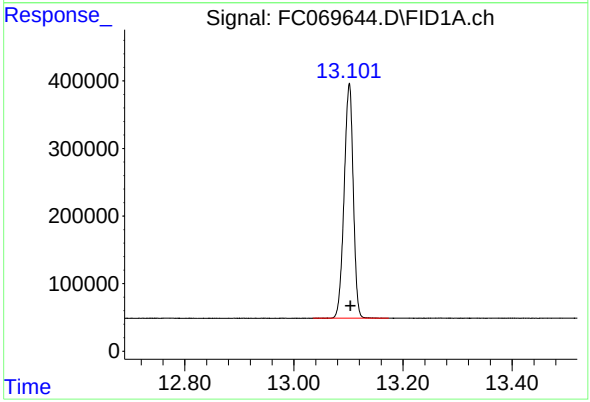




#9 ortho-Terphenyl (SURR)

R.T.: 11.667 min
Delta R.T.: 0.000 min
Response: 5198688
Conc: 34.85 ug/ml

Instrument :
FID_C
ClientSampleId :
PB169207BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.101 min
Delta R.T.: -0.002 min
Response: 4029814
Conc: 36.96 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081225AL\
Data File : FC069644.D
Signal(s) : FID1A.ch
Acq On : 12 Aug 2025 20:22
Sample : PB169207BL
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	11.667	11.605	11.722	BB	474661	5198688	100.00%	56.333%
2	13.101	13.035	13.174	BB	349272	4029814	77.52%	43.667%
			Sum of corrected areas:			9228502		

Aliphatic EPH 080125.M Wed Aug 13 03:36:02 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081225AL\
Data File : FC069645.D
Signal(s) : FID1A.ch
Acq On : 12 Aug 2025 21:08
Operator : YP/AJ
Sample : PB169207BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB169207BS

Integration File: autoint1.e
Quant Time: Aug 13 01:19:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S ortho-Terphenyl (SURR)	11.665	4914195	32.940 ug/ml
Spiked Amount	50.000	Recovery	=	65.88%
12)	S 1-chlorooctadecane (S...	13.100	3814315	34.986 ug/ml
Spiked Amount	50.000	Recovery	=	69.97%
	Target Compounds			
1)	T n-Nonane (C9)	3.405	3497611	24.549 ug/ml
2)	T n-Decane (C10)	4.474	3846915	26.461 ug/ml
3)	T A~Naphthalene (C11.7)	6.065	4720520	30.423 ug/ml
4)	T n-Dodecane (C12)	6.495	4315427	29.520 ug/ml
5)	T A~2-methylnaphthalene...	7.125	4476785	30.398 ug/ml
6)	T n-Tetradecane (C14)	8.296	4424544	31.004 ug/ml
7)	T n-Hexadecane (C16)	9.898	4466867	30.986 ug/ml
8)	T n-Octadecane (C18)	11.343	4307197	30.458 ug/ml
10)	T n-Eicosane (C20)	12.655	4244756	32.224 ug/ml
11)	T n-Heneicosane (C21)	13.266	4032805	31.619 ug/ml
13)	T n-Docosane (C22)	13.854	3914820	31.338 ug/ml
14)	T n-Tetracosane (C24)	14.951	7479290	61.981 ug/ml
15)	T n-Hexacosane (C26)	15.983	3574075	30.931 ug/ml
16)	T n-Octacosane (C28)	16.932	3428566	30.588 ug/ml
17)	T n-Tricontane (C30)	17.823	3399791	29.693 ug/ml
18)	T n-Dotriacontane (C32)	18.657	3379524	30.424 ug/ml
19)	T n-Tetratriacontane (C34)	19.442	3474796	34.126 ug/ml
20)	T n-Hexatriacontane (C36)	20.182	3283820	36.829 ug/ml
21)	T n-Octatriacontane (C38)	20.947	3292080	40.925 ug/ml
22)	T n-Tetracontane (C40)	21.913	3189359	42.592 ug/ml

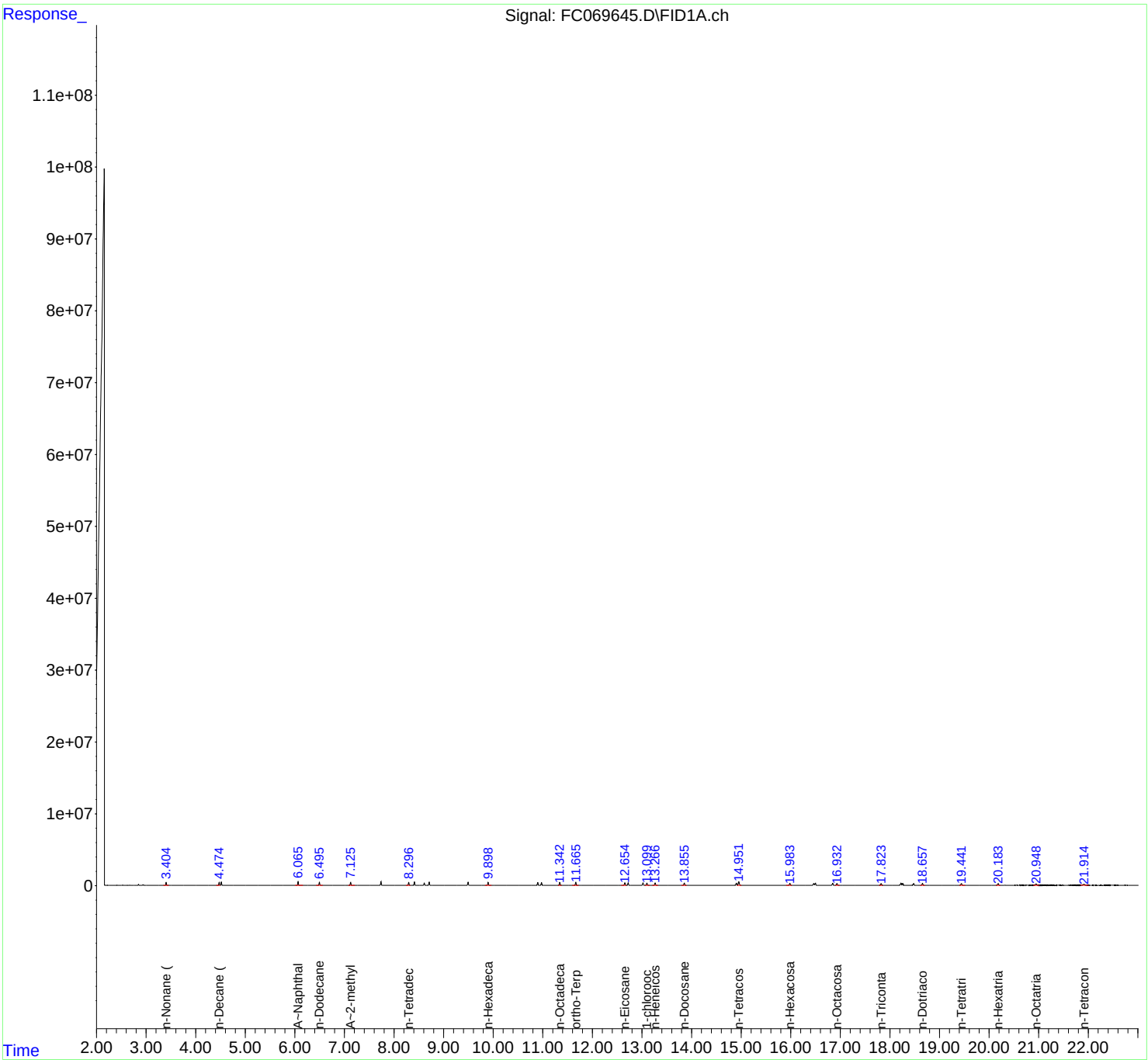
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081225AL\
Data File : FC069645.D
Signal(s) : FID1A.ch
Acq On : 12 Aug 2025 21:08
Operator : YP/AJ
Sample : PB169207BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB169207BS

Integration File: autoint1.e
Quant Time: Aug 13 01:19:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081225AL\
Data File : FC069645.D
Signal(s) : FID1A.ch
Acq On : 12 Aug 2025 21:08
Sample : PB169207BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.405	3.347	3.457	BB	424844	3497611	46.76%	2.353%
2	4.474	4.415	4.495	BV	432490	3846915	51.43%	2.588%
3	4.518	4.495	4.560	VV	483828	4237686	56.66%	2.851%
4	6.065	6.004	6.162	BB	514033	4720520	63.11%	3.176%
5	6.495	6.429	6.560	BB	432115	4315427	57.70%	2.903%
6	7.125	7.075	7.209	BB	442801	4476785	59.86%	3.012%
7	8.296	8.240	8.330	BB	421734	4424544	59.16%	2.977%
8	8.411	8.347	8.465	BB	480775	4769464	63.77%	3.209%
9	8.709	8.674	8.767	PB	473244	4772706	63.81%	3.211%
10	9.494	9.430	9.559	BB	453805	4665148	62.37%	3.139%
11	9.898	9.834	9.964	BB	414974	4466867	59.72%	3.005%
12	10.899	10.817	10.940	BV	397258	4299885	57.49%	2.893%
13	10.975	10.940	11.070	VB	385621	4253080	56.86%	2.861%
14	11.343	11.310	11.380	BB	383730	4307197	57.59%	2.898%
15	11.665	11.595	11.722	BB	445345	4914195	65.70%	3.306%
16	12.655	12.585	12.685	BV	363297	4244756	56.75%	2.856%
17	12.722	12.685	12.789	VB	370826	3974891	53.15%	2.674%
18	13.021	12.952	13.057	BV	342135	3951772	52.84%	2.659%
19	13.100	13.057	13.154	VB	311660	3814315	51.00%	2.566%
20	13.266	13.209	13.325	BB	336964	4032805	53.92%	2.713%
21	13.854	13.795	13.899	BB	319716	3914820	52.34%	2.634%
22	14.904	14.840	14.924	BV	298207	3711997	49.63%	2.497%
23	14.951	14.924	15.005	VB	515248	7479290	100.00%	5.032%
24	15.983	15.909	16.022	BB	275226	3574075	47.79%	2.405%
25	16.465	16.392	16.481	BV	270940	3734096	49.93%	2.512%

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26	16.499	16.481	16.530	VB	314872	3703910	49.52%	2.492%
27	16.848	16.830	16.890	BB	243705	2147002	28.71%	1.444%
28	16.932	16.894	16.985	BB	260321	3428566	45.84%	2.307%
29	17.823	17.780	17.859	BB	253848	3399791	45.46%	2.287%
30	18.224	18.144	18.239	BV	287132	3896460	52.10%	2.621%
31	18.259	18.239	18.322	VB	278870	3535387	47.27%	2.379%
32	18.479	18.404	18.539	BB	260122	3505928	46.88%	2.359%
33	18.657	18.610	18.705	BB	239121	3379524	45.19%	2.274%
34	19.442	19.400	19.514	BB	241891	3474796	46.46%	2.338%
35	20.182	20.140	20.225	BB	230329	3283820	43.91%	2.209%
36	20.947	20.890	21.017	BB	178388	3292080	44.02%	2.215%
37	21.913	21.840	22.010	BB	132366	3189359	42.64%	2.146%

Sum of corrected areas: 148637467

Aliphatic EPH 080125.M Wed Aug 13 03:49:43 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081225AL\
Data File : FC069646.D
Signal(s) : FID1A.ch
Acq On : 12 Aug 2025 21:53
Operator : YP/AJ
Sample : PB169207BSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB169207BSD

Integration File: autoint1.e
Quant Time: Aug 13 01:19:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S ortho-Terphenyl (SURR)	11.665	4892968	32.798 ug/ml
Spiked Amount	50.000		Recovery =	65.60%
12)	S 1-chlorooctadecane (S...	13.101	3794482	34.804 ug/ml
Spiked Amount	50.000		Recovery =	69.61%
	Target Compounds			
1)	T n-Nonane (C9)	3.401	3497265	24.547 ug/ml
2)	T n-Decane (C10)	4.471	3841180	26.421 ug/ml
3)	T A~Naphthalene (C11.7)	6.064	4709872	30.354 ug/ml
4)	T n-Dodecane (C12)	6.494	4297278	29.396 ug/ml
5)	T A~2-methylnaphthalene...	7.123	4469713	30.350 ug/ml
6)	T n-Tetradecane (C14)	8.295	4403553	30.856 ug/ml
7)	T n-Hexadecane (C16)	9.898	4433327	30.753 ug/ml
8)	T n-Octadecane (C18)	11.343	4274952	30.230 ug/ml
10)	T n-Eicosane (C20)	12.655	4217416	32.016 ug/ml
11)	T n-Heneicosane (C21)	13.267	4005246	31.403 ug/ml
13)	T n-Docosane (C22)	13.854	3892476	31.160 ug/ml
14)	T n-Tetracosane (C24)	14.952	7494639	62.108 ug/ml
15)	T n-Hexacosane (C26)	15.983	3557197	30.785 ug/ml
16)	T n-Octacosane (C28)	16.934	3414614	30.464 ug/ml
17)	T n-Tricontane (C30)	17.823	3370097	29.434 ug/ml
18)	T n-Dotriacontane (C32)	18.656	3341413	30.081 ug/ml
19)	T n-Tetratriacontane (C34)	19.442	3446181	33.845 ug/ml
20)	T n-Hexatriacontane (C36)	20.183	3263635	36.602 ug/ml
21)	T n-Octatriacontane (C38)	20.948	3279744	40.771 ug/ml
22)	T n-Tetracontane (C40)	21.908	3187972	42.573 ug/ml

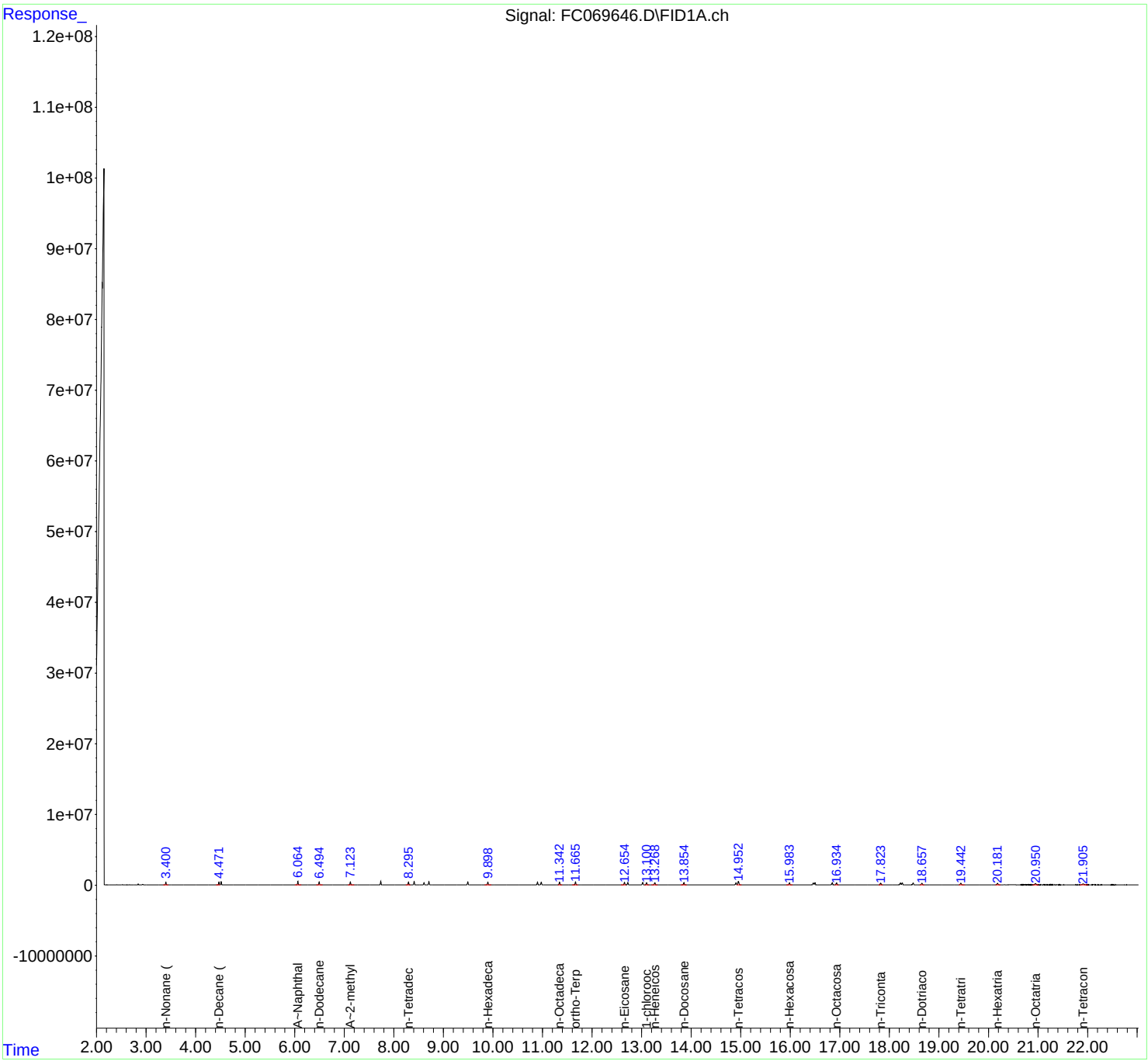
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081225AL\
Data File : FC069646.D
Signal(s) : FID1A.ch
Acq On : 12 Aug 2025 21:53
Operator : YP/AJ
Sample : PB169207BSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB169207BSD

Integration File: autoint1.e
Quant Time: Aug 13 01:19:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081225AL\
Data File : FC069646.D
Signal(s) : FID1A.ch
Acq On : 12 Aug 2025 21:53
Sample : PB169207BSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.401	3.347	3.449	BB	416560	3497265	46.66%	2.352%
2	4.471	4.410	4.493	BV	433776	3841180	51.25%	2.583%
3	4.515	4.493	4.559	VV	484824	4239150	56.56%	2.851%
4	6.064	6.004	6.134	BB	518647	4709872	62.84%	3.168%
5	6.494	6.434	6.560	BB	440585	4297278	57.34%	2.890%
6	7.123	7.074	7.202	BB	451544	4469713	59.64%	3.006%
7	8.295	8.240	8.332	BB	426345	4403553	58.76%	2.962%
8	8.409	8.345	8.469	BB	474704	4772765	63.68%	3.210%
9	8.708	8.672	8.770	VB	473941	4778533	63.76%	3.214%
10	9.493	9.435	9.570	BB	448713	4682899	62.48%	3.149%
11	9.898	9.830	9.967	BB	403726	4433327	59.15%	2.982%
12	10.899	10.822	10.939	BV	397477	4296494	57.33%	2.890%
13	10.975	10.939	11.034	VB	395835	4247096	56.67%	2.856%
14	11.343	11.310	11.395	BB	377116	4274952	57.04%	2.875%
15	11.665	11.599	11.717	BB	445943	4892968	65.29%	3.291%
16	12.655	12.584	12.687	BV	366570	4217416	56.27%	2.836%
17	12.722	12.687	12.787	VB	353431	3974470	53.03%	2.673%
18	13.022	12.955	13.057	BV	352564	3951808	52.73%	2.658%
19	13.101	13.057	13.154	VB	325245	3794482	50.63%	2.552%
20	13.267	13.199	13.322	BB	312302	4005246	53.44%	2.694%
21	13.854	13.789	13.910	BB	317394	3892476	51.94%	2.618%
22	14.904	14.839	14.924	BV	299983	3744183	49.96%	2.518%
23	14.952	14.924	15.017	VB	497443	7494639	100.00%	5.040%
24	15.983	15.919	16.044	BB	275428	3557197	47.46%	2.392%
25	16.466	16.390	16.482	BV	268393	3752159	50.06%	2.523%

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26	16.500	16.482	16.539	VB	327719	3732275	49.80%	2.510%
27	16.848	16.830	16.889	BB	257020	2389391	31.88%	1.607%
28	16.934	16.894	16.977	BB	256409	3414614	45.56%	2.296%
29	17.823	17.780	17.869	BB	242173	3370097	44.97%	2.267%
30	18.224	18.145	18.239	BV	286618	3885445	51.84%	2.613%
31	18.261	18.239	18.329	VB	285713	3629655	48.43%	2.441%
32	18.480	18.412	18.534	BB	264932	3527175	47.06%	2.372%
33	18.656	18.610	18.702	BB	234050	3341413	44.58%	2.247%
34	19.442	19.400	19.517	BB	238956	3446181	45.98%	2.318%
35	20.183	20.140	20.242	BB	218194	3263635	43.55%	2.195%
36	20.948	20.890	21.012	BB	175612	3279744	43.76%	2.206%
37	21.908	21.840	22.005	BB	126639	3187972	42.54%	2.144%

Sum of corrected areas: 148688718

Aliphatic EPH 080125.M Wed Aug 13 03:53:53 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081225AL\
Data File : FC069649.D
Signal(s) : FID1A.ch
Acq On : 13 Aug 2025 00:13
Operator : YP/AJ
Sample : Q2830-03MS
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTMS

Integration File: autoint1.e
Quant Time: Aug 13 01:40:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S ortho-Terphenyl (SURR)	11.666	5132110	34.401 ug/ml
Spiked Amount	50.000		Recovery =	68.80%
12)	S 1-chlorooctadecane (S...	13.101	3978577	36.493 ug/ml
Spiked Amount	50.000		Recovery =	72.99%
	Target Compounds			
1)	T n-Nonane (C9)	3.394	1953315	13.710 ug/ml
2)	T n-Decane (C10)	4.468	2596126	17.857 ug/ml
3)	T A~Naphthalene (C11.7)	6.064	3736413	24.080 ug/ml
4)	T n-Dodecane (C12)	6.494	3433386	23.487 ug/ml
5)	T A~2-methylnaphthalene...	7.123	3742739	25.413 ug/ml
6)	T n-Tetradecane (C14)	8.295	3803354	26.651 ug/ml
7)	T n-Hexadecane (C16)	9.898	4222368	29.290 ug/ml
8)	T n-Octadecane (C18)	11.342	4277879	30.251 ug/ml
10)	T n-Eicosane (C20)	12.655	4344090	32.978 ug/ml
11)	T n-Heneicosane (C21)	13.267	4119123	32.296 ug/ml
13)	T n-Docosane (C22)	13.854	4038498	32.328 ug/ml
14)	T n-Tetracosane (C24)	14.952	7936440	65.769 ug/ml
15)	T n-Hexacosane (C26)	15.984	3778246	32.698 ug/ml
16)	T n-Octacosane (C28)	16.934	3627091	32.359 ug/ml
17)	T n-Tricontane (C30)	17.823	3569372	31.175 ug/ml
18)	T n-Dotriacontane (C32)	18.656	3569323	32.132 ug/ml
19)	T n-Tetratriacontane (C34)	19.442	3647487	35.822 ug/ml
20)	T n-Hexatriacontane (C36)	20.182	3438119	38.559 ug/ml
21)	T n-Octatriacontane (C38)	20.949	3455440	42.955 ug/ml
22)	T n-Tetracontane (C40)	21.912	3367660	44.973 ug/ml

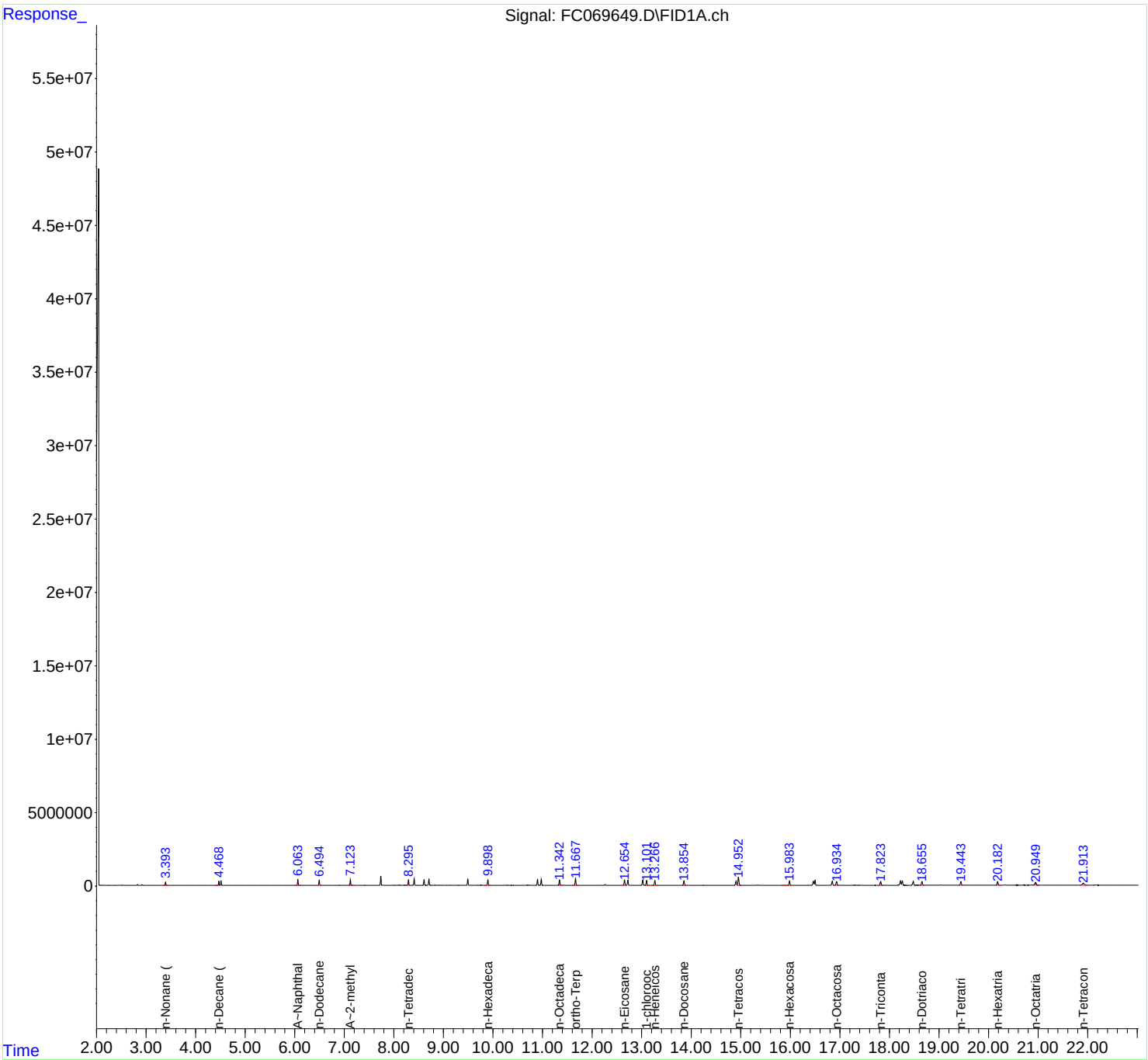
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081225AL\
Data File : FC069649.D
Signal(s) : FID1A.ch
Acq On : 13 Aug 2025 00:13
Operator : YP/AJ
Sample : Q2830-03MS
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTMS

Integration File: autoint1.e
Quant Time: Aug 13 01:40:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081225AL\
Data File : FC069649.D
Signal(s) : FID1A.ch
Acq On : 13 Aug 2025 00:13
Sample : Q2830-03MS
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.217	3.204	3.234	PH	198	1865	0.02%	0.001%
2	3.247	3.234	3.334	PV	374	10552	0.13%	0.006%
3	3.348	3.334	3.364	PV	76	648	0.01%	0.000%
4	3.394	3.364	3.479	VV	233543	1965334	24.76%	1.135%
5	3.497	3.479	3.507	VV	249	2554	0.03%	0.001%
6	3.522	3.507	3.534	VV	300	3510	0.04%	0.002%
7	3.546	3.534	3.560	VV	240	2812	0.04%	0.002%
8	3.595	3.560	3.616	VV	227	3879	0.05%	0.002%
9	3.689	3.616	3.730	PV	965	20436	0.26%	0.012%
10	3.748	3.730	3.757	VV	397	4436	0.06%	0.003%
11	3.781	3.757	3.828	VV	3508	35390	0.45%	0.020%
12	3.843	3.828	3.858	VV	326	2847	0.04%	0.002%
13	3.879	3.858	3.924	VV	2742	25871	0.33%	0.015%
14	3.941	3.924	3.966	VV	413	4815	0.06%	0.003%
15	3.982	3.966	4.034	VV	401	7639	0.10%	0.004%
16	4.095	4.034	4.116	VV	333	10603	0.13%	0.006%
17	4.164	4.116	4.188	VV	356	9776	0.12%	0.006%
18	4.199	4.188	4.217	VV	292	3654	0.05%	0.002%
19	4.233	4.217	4.259	VV	445	8459	0.11%	0.005%
20	4.274	4.259	4.295	VV	512	7555	0.10%	0.004%
21	4.311	4.295	4.352	VV	236	5489	0.07%	0.003%
22	4.385	4.352	4.402	PV	346	5194	0.07%	0.003%
23	4.425	4.402	4.439	VV	449	6419	0.08%	0.004%
24	4.468	4.439	4.490	VV	293059	2600517	32.77%	1.502%
25	4.512	4.490	4.557	VV	329706	2890293	36.42%	1.669%

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26	4.574	4.557	4.599	VV	3273	34692	0.44%	0.020%
27	4.620	4.599	4.658	VV	5217	55171	0.70%	0.032%
28	4.670	4.658	4.684	VV	686	8148	0.10%	0.005%
29	4.694	4.684	4.709	VV	434	5200	0.07%	0.003%
30	4.723	4.709	4.737	VV	608	6636	0.08%	0.004%
31	4.754	4.737	4.791	VV	1072	15550	0.20%	0.009%
32	4.802	4.791	4.812	VV	675	6555	0.08%	0.004%
33	4.822	4.812	4.833	VV	698	6622	0.08%	0.004%
34	4.843	4.833	4.859	VV	643	6437	0.08%	0.004%
35	4.883	4.859	4.924	VV	1295	22252	0.28%	0.013%
36	4.946	4.924	4.971	VV	1287	16151	0.20%	0.009%
37	4.991	4.971	5.008	VV	415	5525	0.07%	0.003%
38	5.022	5.008	5.051	VV	393	7369	0.09%	0.004%
39	5.116	5.051	5.141	VV	586	14242	0.18%	0.008%
40	5.167	5.141	5.176	VV	1275	12450	0.16%	0.007%
41	5.190	5.176	5.231	VV	2412	33777	0.43%	0.020%
42	5.241	5.231	5.256	VV	574	5930	0.07%	0.003%
43	5.276	5.256	5.290	VV	337	5709	0.07%	0.003%
44	5.326	5.290	5.344	VV	1572	29075	0.37%	0.017%
45	5.372	5.344	5.387	VV	991	18835	0.24%	0.011%
46	5.401	5.387	5.415	VV	1049	12312	0.16%	0.007%
47	5.432	5.415	5.483	VV	842	22554	0.28%	0.013%
48	5.511	5.483	5.526	VV	2929	36126	0.46%	0.021%
49	5.537	5.526	5.563	VV	2081	25601	0.32%	0.015%
50	5.580	5.563	5.591	VV	929	11006	0.14%	0.006%
51	5.600	5.591	5.618	VV	707	8736	0.11%	0.005%
52	5.643	5.618	5.676	VV	666	18289	0.23%	0.011%
53	5.698	5.676	5.770	VV	3498	71085	0.90%	0.041%
54	5.799	5.770	5.831	VV	2974	64085	0.81%	0.037%
55	5.849	5.831	5.890	VV	2576	42220	0.53%	0.024%
56	5.921	5.890	5.944	VV	1466	30542	0.38%	0.018%
57	5.971	5.944	5.992	VV	1581	27157	0.34%	0.016%
58	6.023	5.992	6.038	VV	1745	34689	0.44%	0.020%
59	6.064	6.038	6.134	VV	399134	3754150	47.30%	2.168%
60	6.163	6.134	6.176	VV	1769	38483	0.48%	0.022%
61	6.195	6.176	6.222	VV	3833	67181	0.85%	0.039%
62	6.240	6.222	6.264	VV	2372	44394	0.56%	0.026%
63	6.280	6.264	6.294	VV	2883	37119	0.47%	0.021%
64	6.317	6.294	6.355	VV	2611	78746	0.99%	0.045%
65	6.374	6.355	6.398	VV	2523	47110	0.59%	0.027%
66	6.432	6.398	6.464	VV	4465	100145	1.26%	0.058%
67	6.494	6.464	6.542	VV	349438	3487535	43.94%	2.014%
68	6.583	6.542	6.598	VV	2095	57568	0.73%	0.033%
69	6.615	6.598	6.625	VV	2220	31466	0.40%	0.018%

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70	6.642	6.625	6.662	VV	3187	52032	0.66%	0.030%
71	6.691	6.662	6.728	VV	3799	84253	1.06%	0.049%
72	6.776	6.728	6.795	VV	4179	91811	1.16%	0.053%
73	6.817	6.795	6.843	VV	3818	72082	0.91%	0.042%
74	6.898	6.843	6.921	VV	8220	149880	1.89%	0.087%
75	6.935	6.921	6.946	VV	2409	31656	0.40%	0.018%
76	6.967	6.946	6.986	VV	5368	79319	1.00%	0.046%
77	7.028	6.986	7.045	VV	10675	171372	2.16%	0.099%
78	7.058	7.045	7.086	VV	4918	84454	1.06%	0.049%
79	7.123	7.086	7.177	VV	381464	3838836	48.37%	2.217%
80	7.197	7.177	7.240	VV	10026	183857	2.32%	0.106%
81	7.260	7.240	7.283	VV	4436	85010	1.07%	0.049%
82	7.304	7.283	7.328	VV	4355	92039	1.16%	0.053%
83	7.340	7.328	7.365	VV	3072	60504	0.76%	0.035%
84	7.405	7.365	7.449	VV	7253	208339	2.63%	0.120%
85	7.466	7.449	7.502	VV	4284	112256	1.41%	0.065%
86	7.511	7.502	7.540	VV	3477	61991	0.78%	0.036%
87	7.558	7.540	7.570	VV	2415	41185	0.52%	0.024%
88	7.598	7.570	7.633	VV	6079	150376	1.89%	0.087%
89	7.649	7.633	7.668	VV	3600	60600	0.76%	0.035%
90	7.857	7.803	7.912	VV	4189	226199	2.85%	0.131%
91	7.937	7.912	7.958	VV	3642	84910	1.07%	0.049%
92	8.007	7.958	8.020	VV	6871	173529	2.19%	0.100%
93	8.030	8.020	8.079	VV	6683	180268	2.27%	0.104%
94	8.113	8.079	8.158	VV	17973	374063	4.71%	0.216%
95	8.173	8.158	8.187	VV	4010	68161	0.86%	0.039%
96	8.223	8.187	8.240	VV	15263	257229	3.24%	0.149%
97	8.251	8.240	8.265	VV	7583	92212	1.16%	0.053%
98	8.295	8.265	8.326	VV	371566	3925691	49.46%	2.267%
99	8.336	8.326	8.355	VV	4764	71666	0.90%	0.041%
100	8.410	8.355	8.443	VV	439422	4413945	55.62%	2.549%
101	8.461	8.443	8.476	VV	6712	103562	1.30%	0.060%
102	8.497	8.476	8.509	VV	6157	106984	1.35%	0.062%
103	8.520	8.509	8.557	VV	5920	132642	1.67%	0.077%
104	8.652	8.636	8.664	VV	6039	91201	1.15%	0.053%
105	8.707	8.664	8.741	VV	431579	4418031	55.67%	2.551%
106	8.758	8.741	8.784	VV	7401	134864	1.70%	0.078%
107	8.829	8.784	8.854	VV	14751	307491	3.87%	0.178%
108	8.866	8.854	8.881	VV	4319	62887	0.79%	0.036%
109	8.910	8.881	8.924	VV	7200	134649	1.70%	0.078%
110	8.942	8.924	8.962	VV	9669	151028	1.90%	0.087%
111	8.977	8.962	8.997	VV	7310	119645	1.51%	0.069%
112	9.015	8.997	9.037	VV	5385	112532	1.42%	0.065%

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113	9.065	9.037	9.082	VV	6592	142600	1.80%	0.082%
114	9.113	9.082	9.131	VV	9119	169998	2.14%	0.098%
115	9.153	9.131	9.185	VV	9287	184102	2.32%	0.106%
116	9.203	9.185	9.230	VV	4238	102139	1.29%	0.059%
117	9.269	9.230	9.286	VV	7572	157529	1.98%	0.091%
118	9.301	9.286	9.334	VV	6741	130125	1.64%	0.075%
119	9.351	9.334	9.367	VV	4280	74162	0.93%	0.043%
120	9.407	9.367	9.431	VV	8345	201342	2.54%	0.116%
121	9.447	9.431	9.459	VV	4376	68022	0.86%	0.039%
122	9.493	9.459	9.541	VV	428872	4535021	57.14%	2.619%
123	9.570	9.541	9.598	VV	9452	194067	2.45%	0.112%
124	9.610	9.598	9.623	VV	4564	63052	0.79%	0.036%
125	9.669	9.623	9.683	VV	6537	191155	2.41%	0.110%
126	9.703	9.683	9.743	VV	10785	227916	2.87%	0.132%
127	9.766	9.743	9.794	VV	31515	397741	5.01%	0.230%
128	9.813	9.794	9.833	VV	5523	112712	1.42%	0.065%
129	9.898	9.833	9.951	VV	384327	4487109	56.54%	2.591%
130	9.978	9.951	9.991	VV	4102	95255	1.20%	0.055%
131	10.004	9.991	10.044	VV	4586	118580	1.49%	0.068%
132	10.074	10.044	10.158	VV	5145	241063	3.04%	0.139%
133	10.174	10.158	10.192	VV	4004	70647	0.89%	0.041%
134	10.236	10.192	10.259	VV	5547	150704	1.90%	0.087%
135	10.285	10.259	10.313	VV	12879	227673	2.87%	0.131%
136	10.343	10.313	10.354	VV	5256	107399	1.35%	0.062%
137	10.369	10.354	10.394	VV	6084	114049	1.44%	0.066%
138	10.413	10.394	10.461	VV	6584	172591	2.17%	0.100%
139	10.489	10.461	10.526	VV	4896	159660	2.01%	0.092%
140	10.554	10.526	10.602	VV	4938	192546	2.43%	0.111%
141	10.624	10.602	10.644	VV	4649	107240	1.35%	0.062%
142	10.659	10.644	10.675	VV	4472	75653	0.95%	0.044%
143	10.707	10.675	10.741	VV	20429	390885	4.93%	0.226%
144	10.755	10.741	10.793	VV	4292	116775	1.47%	0.067%
145	10.899	10.793	10.940	VV	408638	4604759	58.02%	2.659%
146	10.975	10.940	11.011	VV	406408	4398414	55.42%	2.540%
147	11.028	11.011	11.064	VV	4776	123778	1.56%	0.071%
148	11.074	11.064	11.091	VV	3219	49615	0.63%	0.029%
149	11.111	11.091	11.127	VV	3765	71715	0.90%	0.041%
150	11.143	11.127	11.168	VV	4183	87617	1.10%	0.051%
151	11.188	11.168	11.225	VV	4581	134190	1.69%	0.077%
152	11.251	11.225	11.273	VV	3907	101026	1.27%	0.058%
153	11.288	11.273	11.308	VV	3781	74574	0.94%	0.043%
154	11.342	11.308	11.400	VV	373439	4461753	56.22%	2.576%
155	11.431	11.400	11.471	VV	11729	252059	3.18%	0.146%

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156	11.494	11.471	11.517	VV	3539	81677	1.03%	0.047%
157	11.541	11.517	11.568	VV	3509	93893	1.18%	0.054%
158	11.584	11.568	11.615	VV	3341	85669	1.08%	0.049%
159	11.666	11.615	11.716	VV	479879	5322579	67.06%	3.073%
160	11.732	11.716	11.771	VV	5169	124104	1.56%	0.072%
161	11.796	11.771	11.809	VV	3618	73340	0.92%	0.042%
162	11.815	11.809	11.831	VV	3248	40755	0.51%	0.024%
163	11.850	11.831	11.866	VV	4308	73028	0.92%	0.042%
164	11.882	11.866	11.928	VV	4013	111512	1.41%	0.064%
165	11.948	11.928	11.964	VV	2672	54949	0.69%	0.032%
166	11.991	11.964	12.019	VV	4631	113453	1.43%	0.066%
167	12.034	12.019	12.054	VV	2935	58040	0.73%	0.034%
168	12.068	12.054	12.088	VV	2753	52565	0.66%	0.030%
169	12.103	12.088	12.134	VV	3195	81115	1.02%	0.047%
170	12.137	12.134	12.145	VV	2941	19074	0.24%	0.011%
171	12.167	12.145	12.218	VV	7202	179802	2.27%	0.104%
172	12.259	12.218	12.334	VV	48402	758174	9.55%	0.438%
173	12.345	12.334	12.361	VV	2822	43518	0.55%	0.025%
174	12.375	12.361	12.410	VV	2801	73634	0.93%	0.043%
175	12.422	12.410	12.431	VV	2459	29880	0.38%	0.017%
176	12.444	12.431	12.458	VV	2774	41359	0.52%	0.024%
177	12.484	12.458	12.530	VV	3462	118014	1.49%	0.068%
178	12.597	12.530	12.619	VV	4423	150697	1.90%	0.087%
179	12.654	12.619	12.687	VV	376619	4417876	55.67%	2.551%
180	12.723	12.687	12.821	VV	369391	4355869	54.88%	2.515%
181	12.846	12.821	12.866	VV	1871	45453	0.57%	0.026%
182	12.905	12.866	12.955	VV	4810	114396	1.44%	0.066%
183	12.975	12.955	12.983	VV	1555	23973	0.30%	0.014%
184	13.022	12.983	13.063	VV	364105	4305806	54.25%	2.486%
185	13.101	13.063	13.134	VV	342312	4044868	50.97%	2.336%
186	13.152	13.134	13.179	VV	2219	48456	0.61%	0.028%
187	13.195	13.179	13.230	VV	1561	43089	0.54%	0.025%
188	13.267	13.230	13.324	VV	336010	4198868	52.91%	2.425%
189	13.351	13.324	13.404	VV	2126	79692	1.00%	0.046%
190	13.412	13.404	13.428	VV	1462	18628	0.23%	0.011%
191	13.453	13.428	13.470	VV	1508	35915	0.45%	0.021%
192	13.495	13.470	13.584	VV	4786	134972	1.70%	0.078%
193	13.606	13.584	13.627	VV	1555	32378	0.41%	0.019%
194	13.642	13.627	13.660	VV	1213	20787	0.26%	0.012%
195	13.719	13.660	13.741	VV	3506	80757	1.02%	0.047%
196	13.757	13.741	13.781	VV	1132	23915	0.30%	0.014%
197	13.801	13.781	13.821	VV	1742	30609	0.39%	0.018%
198	13.854	13.821	13.918	VV	312530	4079506	51.40%	2.356%
199	13.928	13.918	13.962	VV	795	17586	0.22%	0.010%

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200	13.990	13.962	14.006	VV	608	14581	0.18%	0.008%
201	14.029	14.006	14.048	VV	1293	20751	0.26%	0.012%
202	14.069	14.048	14.077	VV	707	11760	0.15%	0.007%
203	14.103	14.077	14.131	VV	1302	26489	0.33%	0.015%
204	14.140	14.131	14.179	VV	550	11918	0.15%	0.007%
205	14.242	14.179	14.271	VV	5692	99659	1.26%	0.058%
206	14.289	14.271	14.334	VV	2228	48504	0.61%	0.028%
207	14.347	14.334	14.391	VV	749	20321	0.26%	0.012%
208	14.416	14.391	14.438	VV	1638	25292	0.32%	0.015%
209	14.450	14.438	14.462	VV	512	6529	0.08%	0.004%
210	14.484	14.462	14.503	VV	1077	15646	0.20%	0.009%
211	14.521	14.503	14.564	VV	627	14294	0.18%	0.008%
212	14.587	14.564	14.608	VV	459	7760	0.10%	0.004%
213	14.637	14.608	14.684	VV	518	11801	0.15%	0.007%
214	14.694	14.684	14.740	VV	185	4330	0.05%	0.003%
215	14.764	14.740	14.777	VV	245	4045	0.05%	0.002%
216	14.810	14.777	14.833	VV	590	13868	0.17%	0.008%
217	14.846	14.833	14.863	VV	378	5343	0.07%	0.003%
218	14.904	14.863	14.925	VV	302010	4027223	50.74%	2.325%
219	14.952	14.925	14.992	VV	545076	7936533	100.00%	4.583%
220	15.002	14.992	15.046	VV	1300	21440	0.27%	0.012%
221	15.059	15.046	15.094	VV	472	8031	0.10%	0.005%
222	15.148	15.094	15.180	VV	343	8633	0.11%	0.005%
223	15.207	15.180	15.275	PV	238	7844	0.10%	0.005%
224	15.337	15.275	15.417	VV	18932	348372	4.39%	0.201%
225	15.431	15.417	15.451	VV	663	10856	0.14%	0.006%
226	15.480	15.451	15.518	VV	3227	78119	0.98%	0.045%
227	15.555	15.518	15.591	VV	4373	72593	0.91%	0.042%
228	15.609	15.591	15.661	VV	426	7589	0.10%	0.004%
229	15.667	15.661	15.688	PV	44	441	0.01%	0.000%
230	15.753	15.688	15.771	VV	687	16266	0.20%	0.009%
231	15.786	15.771	15.830	VV	609	14777	0.19%	0.009%
232	15.860	15.830	15.917	VV	896	24002	0.30%	0.014%
233	15.984	15.917	16.022	VV	298126	3771162	47.52%	2.178%
234	16.045	16.022	16.096	VV	1373	23705	0.30%	0.014%
235	16.111	16.096	16.137	VV	229	3601	0.05%	0.002%
236	16.183	16.137	16.225	PV	882	14733	0.19%	0.009%
237	16.282	16.225	16.304	VV	327	9039	0.11%	0.005%
238	16.356	16.304	16.410	VV	5733	122885	1.55%	0.071%
239	16.465	16.410	16.482	VV	283465	4078817	51.39%	2.355%
240	16.500	16.482	16.526	VV	350636	3999160	50.39%	2.309%
241	16.544	16.526	16.578	VV	4600	69063	0.87%	0.040%
242	16.593	16.578	16.614	VV	634	8767	0.11%	0.005%

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243	16.629	16.614	16.648	VV	213	3170	0.04%	0.002%
244	16.664	16.648	16.688	VV	361	4220	0.05%	0.002%
245	16.712	16.688	16.741	VV	1965	27056	0.34%	0.016%
246	16.781	16.741	16.804	VV	893	19758	0.25%	0.011%
247	16.848	16.804	16.880	VV	303720	3967629	49.99%	2.291%
248	16.934	16.880	16.968	VV	266046	3659580	46.11%	2.113%
249	17.009	16.968	17.109	VV	9342	149999	1.89%	0.087%
250	17.131	17.109	17.151	VV	522	2437	0.03%	0.001%
251	17.203	17.151	17.240	PV	362	10123	0.13%	0.006%
252	17.299	17.240	17.354	PV	12295	267340	3.37%	0.154%
253	17.382	17.354	17.425	VV	8733	135617	1.71%	0.078%
254	17.465	17.425	17.530	VV	2163	38859	0.49%	0.022%
255	17.555	17.530	17.578	VV	450	7569	0.10%	0.004%
256	17.606	17.578	17.634	PV	329	6002	0.08%	0.003%
257	17.662	17.634	17.681	PV	412	5772	0.07%	0.003%
258	17.712	17.681	17.735	VV	2758	38232	0.48%	0.022%
259	17.823	17.735	17.878	VV	270012	3645650	45.94%	2.105%
260	17.910	17.878	17.968	VV	6797	107617	1.36%	0.062%
261	18.006	17.968	18.021	VV	691	11415	0.14%	0.007%
262	18.058	18.021	18.113	VV	1262	31193	0.39%	0.018%
263	18.224	18.113	18.240	VV	306308	4612139	58.11%	2.663%
264	18.260	18.240	18.292	VV	305495	4061862	51.18%	2.345%
265	18.306	18.292	18.318	VV	1493	21159	0.27%	0.012%
266	18.338	18.318	18.368	VV	1980	42093	0.53%	0.024%
267	18.377	18.368	18.421	VV	850	18165	0.23%	0.010%
268	18.480	18.421	18.515	VV	275401	3817657	48.10%	2.204%
269	18.536	18.515	18.568	VV	1183	29631	0.37%	0.017%
270	18.606	18.568	18.614	VV	2302	39687	0.50%	0.023%
271	18.656	18.614	18.713	VV	258612	3649051	45.98%	2.107%
272	18.755	18.713	18.841	VV	8222	216910	2.73%	0.125%
273	18.862	18.841	18.885	VV	1123	26520	0.33%	0.015%
274	18.894	18.885	18.904	VV	944	9710	0.12%	0.006%
275	18.957	18.904	18.977	VV	3644	81850	1.03%	0.047%
276	19.015	18.977	19.038	VV	14354	304669	3.84%	0.176%
277	19.050	19.038	19.101	VV	9650	223388	2.81%	0.129%
278	19.152	19.101	19.173	VV	3330	122013	1.54%	0.070%
279	19.192	19.173	19.213	VV	2724	52669	0.66%	0.030%
280	19.252	19.213	19.284	VV	2459	88116	1.11%	0.051%
281	19.308	19.284	19.334	VV	2132	58088	0.73%	0.034%
282	19.352	19.334	19.383	VV	2152	53248	0.67%	0.031%
283	19.442	19.383	19.483	VV	255256	3746745	47.21%	2.163%
284	19.506	19.483	19.522	VV	4096	73682	0.93%	0.043%
285	19.547	19.522	19.581	VV	9509	183409	2.31%	0.106%

rteres

286	19.617	19.581	19.640	VV	2775	82641	1.04%	0.048%
287	19.662	19.640	19.688	VV	2331	64305	0.81%	0.037%
288	19.716	19.688	19.756	VV	2984	104773	1.32%	0.060%
289	19.799	19.756	19.829	VV	7006	218448	2.75%	0.126%
290	19.844	19.829	19.880	VV	5769	136691	1.72%	0.079%
291	19.918	19.880	19.958	VV	3418	148923	1.88%	0.086%
292	19.992	19.958	20.018	VV	4806	142220	1.79%	0.082%
293	20.065	20.018	20.099	VV	4514	197581	2.49%	0.114%
294	20.182	20.099	20.244	VV	242754	3755080	47.31%	2.168%
295	20.340	20.244	20.368	VV	8336	397714	5.01%	0.230%
296	20.405	20.368	20.444	VV	4771	210487	2.65%	0.122%
297	20.454	20.444	20.471	VV	4405	70357	0.89%	0.041%
298	20.498	20.471	20.506	VV	4348	89931	1.13%	0.052%
299	20.540	20.506	20.567	VV	5632	179915	2.27%	0.104%
300	20.586	20.567	20.634	VV	4933	180989	2.28%	0.105%
301	20.649	20.634	20.681	VV	4295	117959	1.49%	0.068%
302	20.718	20.681	20.761	VV	4611	201247	2.54%	0.116%
303	20.883	20.761	20.895	VV	5833	382601	4.82%	0.221%
304	20.949	20.895	21.081	VV	196622	3891584	49.03%	2.247%
305	21.097	21.081	21.121	VV	2919	67017	0.84%	0.039%
306	21.144	21.121	21.210	VV	2768	139502	1.76%	0.081%
307	21.265	21.210	21.308	VV	2728	148234	1.87%	0.086%
308	21.334	21.308	21.348	VV	2115	50056	0.63%	0.029%
309	21.401	21.348	21.423	VV	2554	103746	1.31%	0.060%
310	21.460	21.423	21.564	VV	2640	175001	2.21%	0.101%
311	21.574	21.564	21.614	VV	1400	39537	0.50%	0.023%
312	21.631	21.614	21.710	VV	1296	63449	0.80%	0.037%
313	21.767	21.710	21.823	VV	1218	61986	0.78%	0.036%
314	21.912	21.823	22.034	VV	137180	3407319	42.93%	1.967%

Sum of corrected areas: 173181186

Aliphatic EPH 080125.M Wed Aug 13 05:19:54 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081225AL\
Data File : FC069650.D
Signal(s) : FID1A.ch
Acq On : 13 Aug 2025 01:50
Operator : YP/AJ
Sample : Q2830-03MSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTMSD

Integration File: autoint1.e
Quant Time: Aug 13 03:18:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.666	5388201	36.117 ug/ml
Spiked Amount	50.000		Recovery =	72.23%
12) S	1-chlorooctadecane (S...	13.101	4191300	38.444 ug/ml
Spiked Amount	50.000		Recovery =	76.89%
	Target Compounds			
1) T	n-Nonane (C9)	3.389	2057297	14.440 ug/ml
2) T	n-Decane (C10)	4.465	2735805	18.818 ug/ml
3) T	A~Naphthalene (C11.7)	6.062	3875121	24.974 ug/ml
4) T	n-Dodecane (C12)	6.493	3590167	24.559 ug/ml
5) T	A~2-methylnaphthalene...	7.123	3888412	26.403 ug/ml
6) T	n-Tetradecane (C14)	8.294	3987267	27.939 ug/ml
7) T	n-Hexadecane (C16)	9.898	4398093	30.509 ug/ml
8) T	n-Octadecane (C18)	11.343	4509220	31.887 ug/ml
10) T	n-Eicosane (C20)	12.655	4571242	34.702 ug/ml
11) T	n-Heneicosane (C21)	13.268	4355480	34.149 ug/ml
13) T	n-Docosane (C22)	13.856	4258313	34.088 ug/ml
14) T	n-Tetracosane (C24)	14.953	8295221	68.742 ug/ml
15) T	n-Hexacosane (C26)	15.984	3942314	34.118 ug/ml
16) T	n-Octacosane (C28)	16.934	3798392	33.887 ug/ml
17) T	n-Tricontane (C30)	17.824	3739925	32.664 ug/ml
18) T	n-Dotriacontane (C32)	18.657	3748872	33.749 ug/ml
19) T	n-Tetratriacontane (C34)	19.443	3830871	37.623 ug/ml
20) T	n-Hexatriacontane (C36)	20.184	3611542	40.504 ug/ml
21) T	n-Octatriacontane (C38)	20.949	3607829	44.850 ug/ml
22) T	n-Tetracontane (C40)	21.911	3532076	47.169 ug/ml

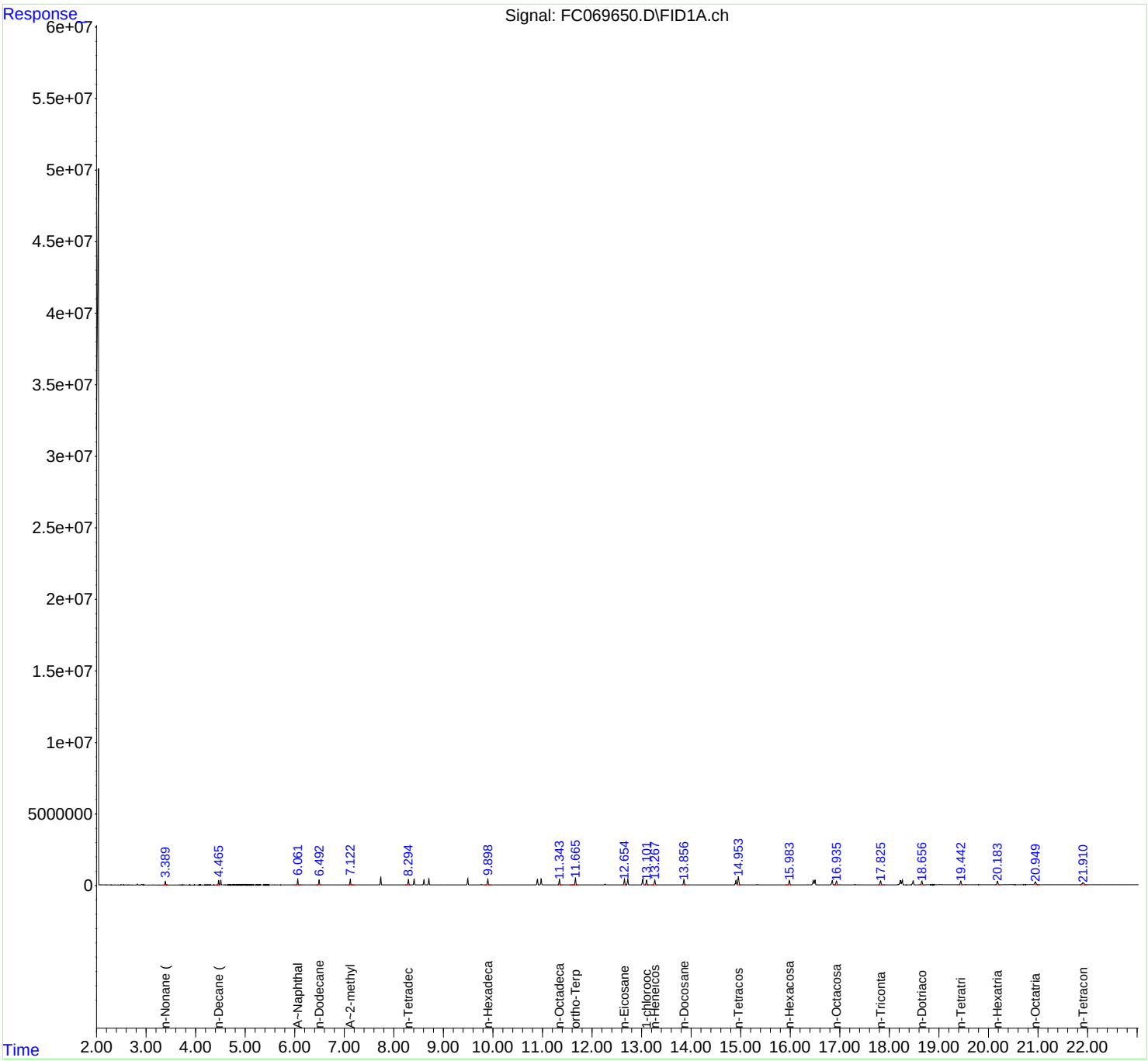
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081225AL\
Data File : FC069650.D
Signal(s) : FID1A.ch
Acq On : 13 Aug 2025 01:50
Operator : YP/AJ
Sample : Q2830-03MSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTMSD

Integration File: autoint1.e
Quant Time: Aug 13 03:18:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081225AL\
Data File : FC069650.D
Signal(s) : FID1A.ch
Acq On : 13 Aug 2025 01:50
Sample : Q2830-03MSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.242	3.204	3.261	BV	334	4230	0.05%	0.003%
2	3.271	3.261	3.309	VV	387	6190	0.07%	0.004%
3	3.323	3.309	3.335	PV	94	917	0.01%	0.001%
4	3.344	3.335	3.354	VV	78	627	0.01%	0.000%
5	3.389	3.354	3.481	PV	244008	2068740	24.84%	1.235%
6	3.515	3.481	3.528	VV	224	4346	0.05%	0.003%
7	3.539	3.528	3.575	VV	241	4364	0.05%	0.003%
8	3.592	3.575	3.621	VV	222	3690	0.04%	0.002%
9	3.635	3.621	3.644	VV	157	1520	0.02%	0.001%
10	3.684	3.644	3.728	VV	1039	18764	0.23%	0.011%
11	3.742	3.728	3.761	VV	479	5508	0.07%	0.003%
12	3.778	3.761	3.848	VV	3799	36425	0.44%	0.022%
13	3.875	3.848	3.919	VV	3089	30396	0.36%	0.018%
14	3.934	3.919	3.944	VV	197	2245	0.03%	0.001%
15	3.975	3.944	4.004	VV	293	7172	0.09%	0.004%
16	4.010	4.004	4.021	VV	118	1028	0.01%	0.001%
17	4.043	4.021	4.053	VV	265	3667	0.04%	0.002%
18	4.090	4.053	4.148	VV	451	15369	0.18%	0.009%
19	4.197	4.148	4.215	VV	404	9958	0.12%	0.006%
20	4.229	4.215	4.249	VV	379	5335	0.06%	0.003%
21	4.259	4.249	4.341	VV	256	11354	0.14%	0.007%
22	4.354	4.341	4.403	VV	225	6790	0.08%	0.004%
23	4.465	4.403	4.487	VV	307298	2745332	32.96%	1.639%
24	4.509	4.487	4.553	VV	349261	3041784	36.52%	1.816%
25	4.571	4.553	4.598	VV	3556	38975	0.47%	0.023%

rteres

26	4.617	4.598	4.654	VV	5405	55309	0.66%	0.033%
27	4.672	4.654	4.704	VV	420	9247	0.11%	0.006%
28	4.720	4.704	4.737	VV	281	5143	0.06%	0.003%
29	4.749	4.737	4.779	VV	346	5805	0.07%	0.003%
30	4.798	4.779	4.832	VV	272	6763	0.08%	0.004%
31	4.846	4.832	4.892	VV	269	7546	0.09%	0.005%
32	4.915	4.892	4.941	VV	253	5739	0.07%	0.003%
33	4.948	4.941	4.991	VV	259	5647	0.07%	0.003%
34	5.008	4.991	5.028	VV	284	4305	0.05%	0.003%
35	5.042	5.028	5.064	VV	236	4560	0.05%	0.003%
36	5.068	5.064	5.084	VV	255	2366	0.03%	0.001%
37	5.106	5.084	5.133	VV	265	6073	0.07%	0.004%
38	5.158	5.133	5.174	VV	278	5486	0.07%	0.003%
39	5.188	5.174	5.197	VV	311	3753	0.05%	0.002%
40	5.206	5.197	5.258	VV	365	8376	0.10%	0.005%
41	5.288	5.258	5.301	VV	256	5681	0.07%	0.003%
42	5.322	5.301	5.375	VV	1268	20440	0.25%	0.012%
43	5.385	5.375	5.418	VV	222	4631	0.06%	0.003%
44	5.437	5.418	5.448	VV	184	2806	0.03%	0.002%
45	5.505	5.448	5.524	VV	1344	19902	0.24%	0.012%
46	5.556	5.524	5.595	VV	404	12682	0.15%	0.008%
47	5.678	5.595	5.688	VV	394	14578	0.18%	0.009%
48	5.698	5.688	5.721	VV	316	4902	0.06%	0.003%
49	5.741	5.721	5.773	VV	419	8377	0.10%	0.005%
50	5.799	5.773	5.826	VV	290	7999	0.10%	0.005%
51	5.847	5.826	5.883	VV	354	9208	0.11%	0.005%
52	5.975	5.883	5.991	VV	474	17639	0.21%	0.011%
53	6.014	5.991	6.025	VV	296	5081	0.06%	0.003%
54	6.062	6.025	6.188	VV	415961	3916648	47.02%	2.338%
55	6.207	6.188	6.234	VV	541	11341	0.14%	0.007%
56	6.241	6.234	6.252	VV	359	3561	0.04%	0.002%
57	6.269	6.252	6.287	VV	370	6589	0.08%	0.004%
58	6.301	6.287	6.314	VV	342	4988	0.06%	0.003%
59	6.336	6.314	6.368	VV	707	14498	0.17%	0.009%
60	6.382	6.368	6.408	VV	402	7758	0.09%	0.005%
61	6.428	6.408	6.457	VV	372	8854	0.11%	0.005%
62	6.493	6.457	6.543	VV	362735	3607864	43.31%	2.154%
63	6.561	6.543	6.600	VV	622	12036	0.14%	0.007%
64	6.612	6.600	6.624	VV	250	2718	0.03%	0.002%
65	6.639	6.624	6.724	VV	375	10294	0.12%	0.006%
66	6.738	6.724	6.747	VV	137	1795	0.02%	0.001%
67	6.766	6.747	6.803	VV	281	5847	0.07%	0.003%
68	6.822	6.803	6.841	VV	241	3882	0.05%	0.002%
69	6.879	6.841	6.896	VV	496	7569	0.09%	0.005%

rteres

70	6.966	6.896	7.004	VV	4125	56950	0.68%	0.034%
71	7.028	7.004	7.080	VV	8683	89160	1.07%	0.053%
72	7.123	7.080	7.233	VV	396406	3904487	46.87%	2.331%
73	7.258	7.233	7.293	VV	1537	25352	0.30%	0.015%
74	7.313	7.293	7.329	VV	1635	21604	0.26%	0.013%
75	7.338	7.329	7.365	VV	882	11177	0.13%	0.007%
76	7.389	7.365	7.401	VV	776	9686	0.12%	0.006%
77	7.417	7.401	7.441	VV	1332	15924	0.19%	0.010%
78	7.474	7.441	7.498	VV	379	9871	0.12%	0.006%
79	7.510	7.498	7.540	VV	338	6140	0.07%	0.004%
80	7.553	7.540	7.580	VV	191	4279	0.05%	0.003%
81	7.596	7.580	7.619	VV	551	7483	0.09%	0.004%
82	7.641	7.619	7.686	VV	335	9548	0.11%	0.006%
83	7.786	7.777	7.810	VV	1039	15700	0.19%	0.009%
84	7.837	7.810	7.858	VV	940	21830	0.26%	0.013%
85	7.873	7.858	7.951	VV	1043	35588	0.43%	0.021%
86	7.986	7.951	8.023	VV	1519	31811	0.38%	0.019%
87	8.042	8.023	8.089	VV	1027	24670	0.30%	0.015%
88	8.105	8.089	8.121	VV	643	10742	0.13%	0.006%
89	8.220	8.121	8.234	VV	851	50155	0.60%	0.030%
90	8.252	8.234	8.260	VV	836	11626	0.14%	0.007%
91	8.294	8.260	8.335	VV	376265	4009198	48.13%	2.394%
92	8.354	8.335	8.378	VV	602	13502	0.16%	0.008%
93	8.409	8.378	8.467	VV	431446	4402865	52.86%	2.629%
94	8.478	8.467	8.507	VV	569	10797	0.13%	0.006%
95	8.520	8.507	8.543	VV	528	7902	0.09%	0.005%
96	8.556	8.543	8.572	VV	275	4102	0.05%	0.002%
97	8.707	8.659	8.748	VV	447086	4475474	53.73%	2.672%
98	8.761	8.748	8.807	VV	997	21894	0.26%	0.013%
99	8.825	8.807	8.844	VV	392	6672	0.08%	0.004%
100	8.856	8.844	8.870	VV	371	5036	0.06%	0.003%
101	8.910	8.870	8.960	VV	3762	76919	0.92%	0.046%
102	8.977	8.960	8.996	VV	1206	20018	0.24%	0.012%
103	9.026	8.996	9.047	VV	1304	26645	0.32%	0.016%
104	9.061	9.047	9.085	VV	657	10066	0.12%	0.006%
105	9.114	9.085	9.171	VV	1103	19597	0.24%	0.012%
106	9.177	9.171	9.204	VV	202	2396	0.03%	0.001%
107	9.210	9.204	9.221	PV	79	784	0.01%	0.000%
108	9.252	9.221	9.261	VV	216	2939	0.04%	0.002%
109	9.279	9.261	9.344	VV	274	8147	0.10%	0.005%
110	9.370	9.344	9.408	VV	227	5418	0.07%	0.003%
111	9.418	9.408	9.427	VV	213	2253	0.03%	0.001%
112	9.493	9.427	9.597	VV	460025	4585657	55.05%	2.738%

rteres

113	9.615	9.597	9.654	VV	657	15538	0.19%	0.009%
114	9.673	9.654	9.685	VV	1433	16554	0.20%	0.010%
115	9.704	9.685	9.740	VV	6713	79338	0.95%	0.047%
116	9.766	9.740	9.848	VV	28961	338896	4.07%	0.202%
117	9.898	9.848	9.965	VV	405024	4415513	53.01%	2.636%
118	9.994	9.965	10.049	VV	369	9845	0.12%	0.006%
119	10.074	10.049	10.093	VV	480	6257	0.08%	0.004%
120	10.119	10.093	10.144	PV	384	5894	0.07%	0.004%
121	10.148	10.144	10.158	VV	96	611	0.01%	0.000%
122	10.176	10.158	10.198	VV	372	4363	0.05%	0.003%
123	10.240	10.198	10.271	VV	1412	18125	0.22%	0.011%
124	10.324	10.271	10.354	VV	507	16329	0.20%	0.010%
125	10.372	10.354	10.430	VV	394	10260	0.12%	0.006%
126	10.451	10.430	10.471	VV	330	5155	0.06%	0.003%
127	10.538	10.471	10.574	VV	572	21618	0.26%	0.013%
128	10.592	10.574	10.616	VV	603	10481	0.13%	0.006%
129	10.630	10.616	10.669	VV	516	8183	0.10%	0.005%
130	10.700	10.669	10.774	VV	4297	71431	0.86%	0.043%
131	10.781	10.774	10.794	VV	175	1908	0.02%	0.001%
132	10.814	10.794	10.835	VV	383	6785	0.08%	0.004%
133	10.898	10.835	10.939	VV	400167	4508008	54.12%	2.691%
134	10.974	10.939	11.034	VV	414537	4489581	53.90%	2.680%
135	11.050	11.034	11.114	VV	703	16626	0.20%	0.010%
136	11.143	11.114	11.165	VV	1399	19258	0.23%	0.011%
137	11.185	11.165	11.226	VV	1691	24329	0.29%	0.015%
138	11.267	11.226	11.289	VV	629	12074	0.14%	0.007%
139	11.343	11.289	11.398	VV	409388	4543157	54.54%	2.712%
140	11.419	11.398	11.481	VV	827	23160	0.28%	0.014%
141	11.500	11.481	11.520	VV	385	6956	0.08%	0.004%
142	11.532	11.520	11.564	VV	425	5570	0.07%	0.003%
143	11.585	11.564	11.608	VV	446	7257	0.09%	0.004%
144	11.666	11.608	11.719	VV	492728	5405840	64.90%	3.228%
145	11.759	11.719	11.781	VV	1357	26980	0.32%	0.016%
146	11.797	11.781	11.811	VV	1062	14634	0.18%	0.009%
147	11.822	11.811	11.841	VV	754	10065	0.12%	0.006%
148	11.853	11.841	11.867	VV	444	5887	0.07%	0.004%
149	11.877	11.867	11.915	VV	433	7185	0.09%	0.004%
150	11.945	11.915	11.978	PV	558	9148	0.11%	0.005%
151	12.006	11.978	12.033	VV	606	10986	0.13%	0.007%
152	12.066	12.033	12.086	VV	944	16463	0.20%	0.010%
153	12.104	12.086	12.116	VV	864	11597	0.14%	0.007%
154	12.122	12.116	12.141	VV	748	10112	0.12%	0.006%
155	12.166	12.141	12.224	VV	5654	103569	1.24%	0.062%

rteres

156	12.259	12.224	12.329	VV	50787	651312	7.82%	0.389%
157	12.344	12.329	12.361	VV	1177	19495	0.23%	0.012%
158	12.373	12.361	12.431	VV	852	29027	0.35%	0.017%
159	12.439	12.431	12.445	VV	628	4759	0.06%	0.003%
160	12.475	12.445	12.524	VV	1460	33452	0.40%	0.020%
161	12.591	12.524	12.618	VV	914	27835	0.33%	0.017%
162	12.655	12.618	12.686	VV	395923	4583254	55.02%	2.736%
163	12.722	12.686	12.810	VV	386251	4409551	52.94%	2.633%
164	12.822	12.810	12.828	VV	253	2386	0.03%	0.001%
165	12.848	12.828	12.870	VV	438	7883	0.09%	0.005%
166	12.904	12.870	12.951	VV	3714	51401	0.62%	0.031%
167	13.022	12.951	13.053	VV	384754	4390825	52.71%	2.622%
168	13.101	13.053	13.143	VV	351631	4206791	50.50%	2.512%
169	13.157	13.143	13.181	VV	452	8381	0.10%	0.005%
170	13.205	13.181	13.227	VV	638	11558	0.14%	0.007%
171	13.268	13.227	13.306	VV	360937	4373968	52.51%	2.611%
172	13.356	13.306	13.428	VV	913	47285	0.57%	0.028%
173	13.458	13.428	13.476	VV	728	15997	0.19%	0.010%
174	13.497	13.476	13.594	VV	3384	79698	0.96%	0.048%
175	13.609	13.594	13.626	VV	584	9372	0.11%	0.006%
176	13.642	13.626	13.661	VV	741	10901	0.13%	0.007%
177	13.695	13.661	13.736	VV	884	25631	0.31%	0.015%
178	13.758	13.736	13.773	VV	353	5943	0.07%	0.004%
179	13.799	13.773	13.818	VV	1337	21080	0.25%	0.013%
180	13.856	13.818	13.908	VV	345343	4271567	51.28%	2.550%
181	13.913	13.908	13.931	VV	288	3546	0.04%	0.002%
182	13.943	13.931	13.968	VV	381	5442	0.07%	0.003%
183	13.983	13.968	13.994	VV	291	3769	0.05%	0.002%
184	14.029	13.994	14.054	VV	1069	18297	0.22%	0.011%
185	14.062	14.054	14.081	VV	426	5690	0.07%	0.003%
186	14.105	14.081	14.134	VV	992	17709	0.21%	0.011%
187	14.142	14.134	14.165	VV	271	3922	0.05%	0.002%
188	14.243	14.165	14.272	VV	5715	97684	1.17%	0.058%
189	14.290	14.272	14.344	VV	2211	49256	0.59%	0.029%
190	14.361	14.344	14.391	VV	721	14760	0.18%	0.009%
191	14.415	14.391	14.437	VV	1719	24570	0.29%	0.015%
192	14.451	14.437	14.463	VV	558	7147	0.09%	0.004%
193	14.484	14.463	14.504	VV	1207	17379	0.21%	0.010%
194	14.521	14.504	14.556	VV	492	9911	0.12%	0.006%
195	14.585	14.556	14.608	VV	359	7185	0.09%	0.004%
196	14.637	14.608	14.674	VV	516	11023	0.13%	0.007%
197	14.702	14.674	14.731	PV	198	4535	0.05%	0.003%
198	14.761	14.731	14.777	VV	262	4830	0.06%	0.003%
199	14.809	14.777	14.834	VV	641	14699	0.18%	0.009%

rteres

200	14.848	14.834	14.863	VV	421	5268	0.06%	0.003%
201	14.906	14.863	14.926	VV	319829	4222418	50.69%	2.521%
202	14.953	14.926	14.993	VV	574861	8329806	100.00%	4.973%
203	15.003	14.993	15.038	VV	1460	21185	0.25%	0.013%
204	15.057	15.038	15.103	VV	473	10982	0.13%	0.007%
205	15.150	15.103	15.184	VV	460	11889	0.14%	0.007%
206	15.207	15.184	15.219	VV	211	3466	0.04%	0.002%
207	15.258	15.219	15.278	VV	240	6649	0.08%	0.004%
208	15.337	15.278	15.411	VV	20244	369773	4.44%	0.221%
209	15.432	15.411	15.452	VV	934	16221	0.19%	0.010%
210	15.477	15.452	15.512	VV	3175	50114	0.60%	0.030%
211	15.554	15.512	15.591	VV	5449	86357	1.04%	0.052%
212	15.606	15.591	15.691	VV	333	8719	0.10%	0.005%
213	15.754	15.691	15.769	VV	681	14586	0.18%	0.009%
214	15.794	15.769	15.832	VV	622	16626	0.20%	0.010%
215	15.864	15.832	15.914	VV	999	26106	0.31%	0.016%
216	15.984	15.914	16.024	VV	300034	3960940	47.55%	2.365%
217	16.046	16.024	16.135	VV	1479	31666	0.38%	0.019%
218	16.184	16.135	16.217	PV	768	13666	0.16%	0.008%
219	16.234	16.217	16.243	VV	140	1436	0.02%	0.001%
220	16.284	16.243	16.308	VV	410	9974	0.12%	0.006%
221	16.357	16.308	16.408	VV	6325	131154	1.57%	0.078%
222	16.466	16.408	16.482	VV	293270	4282181	51.41%	2.557%
223	16.501	16.482	16.528	VV	340957	4186351	50.26%	2.499%
224	16.545	16.528	16.575	VV	5428	78634	0.94%	0.047%
225	16.592	16.575	16.614	VV	622	9369	0.11%	0.006%
226	16.630	16.614	16.641	VV	204	3179	0.04%	0.002%
227	16.664	16.641	16.682	VV	407	5866	0.07%	0.004%
228	16.713	16.682	16.740	VV	2180	29197	0.35%	0.017%
229	16.781	16.740	16.800	VV	798	18978	0.23%	0.011%
230	16.850	16.800	16.881	VV	323516	4164407	49.99%	2.486%
231	16.934	16.881	16.968	VV	281880	3835739	46.05%	2.290%
232	17.009	16.968	17.112	VV	9939	161634	1.94%	0.097%
233	17.133	17.112	17.145	PV	210	1592	0.02%	0.001%
234	17.200	17.145	17.235	PV	373	11215	0.13%	0.007%
235	17.300	17.235	17.358	VV	13828	289176	3.47%	0.173%
236	17.383	17.358	17.419	VV	9559	144399	1.73%	0.086%
237	17.465	17.419	17.513	VV	2470	46882	0.56%	0.028%
238	17.523	17.513	17.531	VV	280	2529	0.03%	0.002%
239	17.555	17.531	17.581	VV	530	9218	0.11%	0.006%
240	17.607	17.581	17.633	VV	513	8483	0.10%	0.005%
241	17.669	17.633	17.683	PV	417	7812	0.09%	0.005%
242	17.713	17.683	17.735	VV	2854	44222	0.53%	0.026%

rteres

243	17.824	17.735	17.878	VV	282625	3838746	46.08%	2.292%
244	17.912	17.878	17.965	VV	7738	124527	1.49%	0.074%
245	18.007	17.965	18.022	VV	886	18443	0.22%	0.011%
246	18.060	18.022	18.112	VV	1437	43055	0.52%	0.026%
247	18.226	18.112	18.241	VV	318156	4898264	58.80%	2.924%
248	18.263	18.241	18.291	VV	328291	4260017	51.14%	2.543%
249	18.303	18.291	18.314	VV	1816	23244	0.28%	0.014%
250	18.338	18.314	18.414	VV	2254	73304	0.88%	0.044%
251	18.482	18.414	18.514	VV	280354	4022147	48.29%	2.401%
252	18.537	18.514	18.568	VV	1477	39713	0.48%	0.024%
253	18.657	18.568	18.706	VV	267136	3887740	46.67%	2.321%
254	18.756	18.706	18.838	VV	8651	245475	2.95%	0.147%
255	18.860	18.838	18.885	VV	1384	33841	0.41%	0.020%
256	18.895	18.885	18.905	VV	1225	13836	0.17%	0.008%
257	18.956	18.905	18.977	VV	3850	91800	1.10%	0.055%
258	19.014	18.977	19.038	VV	15233	329124	3.95%	0.197%
259	19.050	19.038	19.101	VV	10196	241903	2.90%	0.144%
260	19.152	19.101	19.176	VV	3784	141283	1.70%	0.084%
261	19.192	19.176	19.213	VV	2899	53760	0.65%	0.032%
262	19.260	19.213	19.286	VV	2689	101857	1.22%	0.061%
263	19.315	19.286	19.334	VV	2425	64838	0.78%	0.039%
264	19.352	19.334	19.385	VV	2575	62119	0.75%	0.037%
265	19.443	19.385	19.484	VV	274970	3941862	47.32%	2.353%
266	19.507	19.484	19.523	VV	4411	79283	0.95%	0.047%
267	19.549	19.523	19.583	VV	10291	198413	2.38%	0.118%
268	19.617	19.583	19.641	VV	2976	87871	1.05%	0.052%
269	19.661	19.641	19.684	VV	2633	62239	0.75%	0.037%
270	19.719	19.684	19.757	VV	3219	118435	1.42%	0.071%
271	19.804	19.757	19.830	VV	7324	232251	2.79%	0.139%
272	19.845	19.830	19.881	VV	6147	142662	1.71%	0.085%
273	19.923	19.881	19.946	VV	3650	131538	1.58%	0.079%
274	19.992	19.946	20.024	VV	5178	187074	2.25%	0.112%
275	20.064	20.024	20.098	VV	4866	191931	2.30%	0.115%
276	20.112	20.098	20.121	VV	3959	55550	0.67%	0.033%
277	20.184	20.121	20.245	VV	254544	3897940	46.80%	2.327%
278	20.342	20.245	20.368	VV	9234	426125	5.12%	0.254%
279	20.457	20.368	20.515	VV	7870	556409	6.68%	0.332%
280	20.541	20.515	20.571	VV	6047	181433	2.18%	0.108%
281	20.584	20.571	20.631	VV	5157	172929	2.08%	0.103%
282	20.650	20.631	20.661	VV	4679	83010	1.00%	0.050%
283	20.720	20.661	20.745	VV	5682	254355	3.05%	0.152%
284	20.791	20.745	20.805	VV	5713	199507	2.40%	0.119%
285	20.883	20.805	20.894	VV	7416	343411	4.12%	0.205%

rteres

286	20.949	20.894	21.084	VV	207095	4139185	49.69%	2.471%
287	21.097	21.084	21.126	VV	2945	73594	0.88%	0.044%
288	21.161	21.126	21.201	VV	2980	125306	1.50%	0.075%
289	21.267	21.201	21.348	VV	2966	223836	2.69%	0.134%
290	21.399	21.348	21.434	VV	2859	128859	1.55%	0.077%
291	21.471	21.434	21.614	VV	2768	213035	2.56%	0.127%
292	21.646	21.614	21.691	VV	1297	55208	0.66%	0.033%
293	21.700	21.691	21.711	VV	992	11198	0.13%	0.007%
294	21.767	21.711	21.812	VV	1230	60973	0.73%	0.036%
295	21.823	21.812	21.838	VV	650	9373	0.11%	0.006%
296	21.911	21.838	22.027	VV	140187	3570217	42.86%	2.132%
297	22.056	22.027	22.081	PV	166	2827	0.03%	0.002%

Sum of corrected areas: 167492253

Aliphatic EPH 080125.M Wed Aug 13 05:20:26 2025

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

Manual Integration Report

Sequence:	FC080125AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2740-01MS	FC069568.D	n-Dotriacontane (C32)	yogesh	8/4/2025 7:40:14 AM	mohammad	8/5/2025 1:59:30	Peak Integrated by Software
Q2740-01MS	FC069568.D	n-Hexatriacontane (C36)	yogesh	8/4/2025 7:40:14 AM	mohammad	8/5/2025 1:59:30	Peak Integrated by Software
Q2740-01MS	FC069568.D	n-Octatriacontane (C38)	yogesh	8/4/2025 7:40:14 AM	mohammad	8/5/2025 1:59:30	Peak Integrated by Software
Q2740-01MS	FC069568.D	n-Tetracontane (C40)	yogesh	8/4/2025 7:40:14 AM	mohammad	8/5/2025 1:59:30	Peak Integrated by Software
Q2740-01MSD	FC069569.D	n-Dotriacontane (C32)	yogesh	8/4/2025 7:40:12 AM	mohammad	8/5/2025 1:59:30	Peak Integrated by Software
Q2740-01MSD	FC069569.D	n-Hexatriacontane (C36)	yogesh	8/4/2025 7:40:12 AM	mohammad	8/5/2025 1:59:30	Peak Integrated by Software
Q2740-01MSD	FC069569.D	n-Octatriacontane (C38)	yogesh	8/4/2025 7:40:12 AM	mohammad	8/5/2025 1:59:30	Peak Integrated by Software

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Manual Integration Report

Sequence:	FC081225AL	Instrument	FID_c

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:	FE080125AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2741-01	FE055114.D	ortho-Terphenyl (SURR)	yogesh	8/4/2025 7:39:52 AM	mohammad	8/5/2025 1:59:38	Peak Integrated by Software
Q2741-02	FE055115.D	ortho-Terphenyl (SURR)	yogesh	8/4/2025 7:39:54 AM	mohammad	8/5/2025 1:59:38	Peak Integrated by Software
Q2734-01	FE055116.D	ortho-Terphenyl (SURR)	yogesh	8/4/2025 7:39:55 AM	mohammad	8/5/2025 1:59:38	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE055118.D	n-Tetracontane (C40)	yogesh	8/4/2025 7:39:57 AM	mohammad	8/5/2025 1:59:38	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE081225AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2809-02DL	FE055246.D	ortho-Terphenyl (SURR)	yogesh	8/13/2025 7:38:04 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2757-07MS	FE055257.D	n-Dotriacontane (C32)	yogesh	8/13/2025 7:38:06 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2757-07MS	FE055257.D	n-Octatriacontane (C38)	yogesh	8/13/2025 7:38:06 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2757-07MS	FE055257.D	n-Tetratriacontane (C34)	yogesh	8/13/2025 7:38:06 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2757-07MS	FE055257.D	n-Tricontane (C30)	yogesh	8/13/2025 7:38:06 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2757-07MSD	FE055258.D	n-Octatriacontane (C38)	yogesh	8/13/2025 7:38:08 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2757-07MSD	FE055258.D	n-Tetratriacontane (C34)	yogesh	8/13/2025 7:38:08 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2757-07MSD	FE055258.D	n-Tricontane (C30)	yogesh	8/13/2025 7:38:08 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2818-01	FE055259.D	ortho-Terphenyl (SURR)	yogesh	8/13/2025 7:38:10 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2818-02	FE055260.D	1-chlorooctadecane (SURR)	yogesh	8/13/2025 7:38:12 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2818-02	FE055260.D	ortho-Terphenyl (SURR)	yogesh	8/13/2025 7:38:12 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2823-01	FE055261.D	1-chlorooctadecane (SURR)	yogesh	8/13/2025 7:38:14 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2823-01	FE055261.D	ortho-Terphenyl (SURR)	yogesh	8/13/2025 7:38:14 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE081225AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2823-02	FE055262.D	ortho-Terphenyl (SURR)	yogesh	8/13/2025 7:38:15 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2827-01	FE055264.D	ortho-Terphenyl (SURR)	yogesh	8/13/2025 7:38:17 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2827-02	FE055265.D	ortho-Terphenyl (SURR)	yogesh	8/13/2025 7:38:20 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2827-05	FE055266.D	ortho-Terphenyl (SURR)	yogesh	8/13/2025 7:38:21 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2827-06	FE055269.D	1-chlorooctadecane (SURR)	yogesh	8/13/2025 7:38:22 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2827-06	FE055269.D	ortho-Terphenyl (SURR)	yogesh	8/13/2025 7:38:22 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE081325AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2818-01DL	FE055283.D	1-chlorooctadecane (SURR)	yogesh	8/14/2025 7:39:59 AM	mohammad	8/18/2025 1:43:37	Peak Integrated by Software
Q2818-02DL	FE055284.D	1-chlorooctadecane (SURR)	yogesh	8/14/2025 7:40:03 AM	mohammad	8/18/2025 1:43:37	Peak Integrated by Software
Q2827-01DL	FE055287.D	ortho-Terphenyl (SURR)	yogesh	8/14/2025 7:40:05 AM	mohammad	8/18/2025 1:43:37	Peak Integrated by Software
Q2827-05DL	FE055288.D	ortho-Terphenyl (SURR)	yogesh	8/14/2025 7:40:07 AM	mohammad	8/18/2025 1:43:37	Peak Integrated by Software
Q2827-06DL	FE055289.D	ortho-Terphenyl (SURR)	yogesh	8/14/2025 7:40:09 AM	mohammad	8/18/2025 1:43:37	Peak Integrated by Software
Q2827-06DL2	FE055290.D	1-chlorooctadecane (SURR)	yogesh	8/14/2025 7:40:11 AM	mohammad	8/18/2025 1:43:37	Peak Integrated by Software
Q2827-06DL2	FE055290.D	ortho-Terphenyl (SURR)	yogesh	8/14/2025 7:40:11 AM	mohammad	8/18/2025 1:43:37	Peak Integrated by Software

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC080125AL

Review By	yogesh	Review On	8/1/2025 10:37:24 AM		
Supervise By	mohammad	Supervise On	8/5/2025 1:59:30 AM		
SubDirectory	FC080125AL	HP Acquire Method		HP Processing Method	FC080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC069556.D	01 Aug 2025 09:39	YP/AJ	Ok
2	I.BLK	FC069557.D	01 Aug 2025 10:20	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC069558.D	01 Aug 2025 11:01	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC069559.D	01 Aug 2025 11:43	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC069560.D	01 Aug 2025 12:24	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC069561.D	01 Aug 2025 13:06	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC069562.D	01 Aug 2025 13:47	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC069563.D	01 Aug 2025 14:28	YP/AJ	Ok
9	I.BLK	FC069564.D	01 Aug 2025 15:10	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC069565.D	01 Aug 2025 15:52	YP/AJ	Ok
11	Q2740-01	FC069566.D	01 Aug 2025 16:37	YP/AJ	Dilution
12	Q2740-01D	FC069567.D	01 Aug 2025 17:19	YP/AJ	Ok
13	Q2740-01MS	FC069568.D	01 Aug 2025 18:02	YP/AJ	Ok,M
14	Q2740-01MSD	FC069569.D	01 Aug 2025 18:44	YP/AJ	Ok,M
15	I.BLK	FC069570.D	01 Aug 2025 19:26	YP/AJ	Ok
16	20 PPM ALIPHATIC HC STD	FC069571.D	01 Aug 2025 20:09	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC081225AL

Review By	yogesh	Review On	8/12/2025 10:15:09 AM		
Supervise By	mohammad	Supervise On	8/13/2025 9:40:39 AM		
SubDirectory	FC081225AL	HP Acquire Method		HP Processing Method	FC080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC069632.D	12 Aug 2025 09:33	YP/AJ	Ok
2	I.BLK	FC069633.D	12 Aug 2025 10:17	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC069634.D	12 Aug 2025 11:03	YP/AJ	Ok
4	PB169209BL	FC069635.D	12 Aug 2025 11:48	YP/AJ	Ok
5	PB169209BS	FC069636.D	12 Aug 2025 12:34	YP/AJ	Ok
6	PB169209BSD	FC069637.D	12 Aug 2025 13:21	YP/AJ	Ok
7	Q2743-01	FC069638.D	12 Aug 2025 14:10	YP/AJ	Ok
8	Q2743-01D	FC069639.D	12 Aug 2025 15:01	YP/AJ	Ok
9	Q2743-01MS	FC069640.D	12 Aug 2025 15:46	YP/AJ	Ok
10	Q2743-01MSD	FC069641.D	12 Aug 2025 16:32	YP/AJ	Ok
11	I.BLK	FC069642.D	12 Aug 2025 18:04	YP/AJ	Ok
12	20 PPM ALIPHATIC HC STD	FC069643.D	12 Aug 2025 18:50	YP/AJ	Ok
13	PB169207BL	FC069644.D	12 Aug 2025 20:22	YP/AJ	Ok
14	PB169207BS	FC069645.D	12 Aug 2025 21:08	YP/AJ	Ok
15	PB169207BSD	FC069646.D	12 Aug 2025 21:53	YP/AJ	Ok
16	Q2830-03	FC069647.D	12 Aug 2025 22:41	YP/AJ	Ok
17	Q2830-03D	FC069648.D	12 Aug 2025 23:27	YP/AJ	Ok
18	Q2830-03MS	FC069649.D	13 Aug 2025 00:13	YP/AJ	Ok
19	Q2830-03MSD	FC069650.D	13 Aug 2025 01:50	YP/AJ	Ok
20	Q2830-04	FC069651.D	13 Aug 2025 02:34	YP/AJ	Ok
21	I.BLK	FC069652.D	13 Aug 2025 04:02	YP/AJ	Ok

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC081225AL

Review By	yogesh	Review On	8/12/2025 10:15:09 AM		
Supervise By	mohammad	Supervise On	8/13/2025 9:40:39 AM		
SubDirectory	FC081225AL	HP Acquire Method		HP Processing Method	FC080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	20 PPM ALIPHATIC HC STD	FC069653.D	13 Aug 2025 04:46	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE080125AL

Review By	yogesh	Review On	8/1/2025 10:51:38 AM		
Supervise By	mohammad	Supervise On	8/5/2025 1:59:38 AM		
SubDirectory	FE080125AL	HP Acquire Method		HP Processing Method	FE080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE055100.D	01 Aug 2025 10:24	YP\AJ	Ok
2	I.BLK	FE055101.D	01 Aug 2025 10:54	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FE055102.D	01 Aug 2025 11:24	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FE055103.D	01 Aug 2025 11:54	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FE055104.D	01 Aug 2025 12:25	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FE055105.D	01 Aug 2025 12:55	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FE055106.D	01 Aug 2025 13:25	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FE055107.D	01 Aug 2025 13:55	YP\AJ	Ok
9	I.BLK	FE055108.D	01 Aug 2025 14:25	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE055109.D	01 Aug 2025 14:55	YP\AJ	Ok
11	PB169089BL	FE055110.D	01 Aug 2025 16:36	YP\AJ	Ok
12	PB169089BS	FE055111.D	01 Aug 2025 17:07	YP\AJ	Ok
13	PB169089BSD	FE055112.D	01 Aug 2025 17:37	YP\AJ	Ok
14	Q2740-02	FE055113.D	01 Aug 2025 18:07	YP\AJ	Ok
15	Q2741-01	FE055114.D	01 Aug 2025 18:37	YP\AJ	Ok,M
16	Q2741-02	FE055115.D	01 Aug 2025 19:07	YP\AJ	Ok,M
17	Q2734-01	FE055116.D	01 Aug 2025 19:38	YP\AJ	Dilution
18	I.BLK	FE055117.D	01 Aug 2025 20:08	YP\AJ	Ok
19	20 PPM ALIPHATIC HC STD	FE055118.D	01 Aug 2025 20:38	YP\AJ	Ok,M

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE081225AL

Review By	yogesh	Review On	8/12/2025 8:20:42 AM		
Supervise By	mohammad	Supervise On	8/13/2025 9:40:33 AM		
SubDirectory	FE081225AL	HP Acquire Method		HP Processing Method	FE080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE055241.D	12 Aug 2025 06:29	YP\AJ	Ok
2	I.BLK	FE055242.D	12 Aug 2025 06:59	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE055243.D	12 Aug 2025 07:29	YP\AJ	Ok
4	Q2808-01DL	FE055244.D	12 Aug 2025 08:00	YP\AJ	Ok
5	Q2809-01DL	FE055245.D	12 Aug 2025 08:30	YP\AJ	Ok
6	Q2809-02DL	FE055246.D	12 Aug 2025 09:00	YP\AJ	Ok,M
7	PB169208BL	FE055247.D	12 Aug 2025 09:50	YP\AJ	Ok
8	PB169208BS	FE055248.D	12 Aug 2025 10:20	YP\AJ	Ok
9	PB169208BSD	FE055249.D	12 Aug 2025 10:51	YP\AJ	Ok
10	Q2757-03	FE055250.D	12 Aug 2025 11:21	YP\AJ	Ok
11	Q2757-04	FE055251.D	12 Aug 2025 11:52	YP\AJ	Ok
12	Q2757-05	FE055252.D	12 Aug 2025 12:22	YP\AJ	Dilution
13	I.BLK	FE055253.D	12 Aug 2025 13:23	YP\AJ	Ok
14	20 PPM ALIPHATIC HC STD	FE055254.D	12 Aug 2025 13:54	YP\AJ	Ok
15	Q2757-06	FE055255.D	12 Aug 2025 14:25	YP\AJ	Ok
16	Q2757-07	FE055256.D	12 Aug 2025 14:55	YP\AJ	Ok
17	Q2757-07MS	FE055257.D	12 Aug 2025 15:26	YP\AJ	Ok,M
18	Q2757-07MSD	FE055258.D	12 Aug 2025 15:56	YP\AJ	Ok,M
19	Q2818-01	FE055259.D	12 Aug 2025 16:27	YP\AJ	Dilution
20	Q2818-02	FE055260.D	12 Aug 2025 16:57	YP\AJ	Dilution
21	Q2823-01	FE055261.D	12 Aug 2025 17:28	YP\AJ	Dilution

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE081225AL

Review By	yogesh	Review On	8/12/2025 8:20:42 AM		
Supervise By	mohammad	Supervise On	8/13/2025 9:40:33 AM		
SubDirectory	FE081225AL	HP Acquire Method		HP Processing Method	FE080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2823-02	FE055262.D	12 Aug 2025 17:58	YP\AJ	Dilution
23	Q2826-01	FE055263.D	12 Aug 2025 18:29	YP\AJ	Ok
24	Q2827-01	FE055264.D	12 Aug 2025 18:59	YP\AJ	Dilution
25	Q2827-02	FE055265.D	12 Aug 2025 19:30	YP\AJ	Ok,M
26	Q2827-05	FE055266.D	12 Aug 2025 20:00	YP\AJ	Dilution
27	I.BLK	FE055267.D	12 Aug 2025 21:01	YP\AJ	Ok
28	20 PPM ALIPHATIC HC STD	FE055268.D	12 Aug 2025 21:32	YP\AJ	Ok
29	Q2827-06	FE055269.D	12 Aug 2025 22:33	YP\AJ	Dilution
30	Q2830-01	FE055270.D	12 Aug 2025 23:04	YP\AJ	Ok
31	Q2830-02	FE055271.D	12 Aug 2025 23:34	YP\AJ	Ok
32	Q2830-05	FE055272.D	13 Aug 2025 00:05	YP\AJ	Ok
33	Q2830-06	FE055273.D	13 Aug 2025 00:35	YP\AJ	Ok
34	Q2830-07	FE055274.D	13 Aug 2025 01:05	YP\AJ	Ok
35	Q2830-08	FE055275.D	13 Aug 2025 01:36	YP\AJ	Ok
36	Q2831-01	FE055276.D	13 Aug 2025 02:06	YP\AJ	Ok
37	I.BLK	FE055277.D	13 Aug 2025 03:07	YP\AJ	Ok
38	20 PPM ALIPHATIC HC STD	FE055278.D	13 Aug 2025 04:08	YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE081325AL

Review By	yogesh	Review On	8/13/2025 9:53:14 AM		
Supervise By	mohammad	Supervise On	8/18/2025 1:43:37 AM		
SubDirectory	FE081325AL	HP Acquire Method		HP Processing Method	FE080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE055279.D	13 Aug 2025 07:16	YP\AJ	Ok
2	I.BLK	FE055280.D	13 Aug 2025 07:46	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE055281.D	13 Aug 2025 08:17	YP\AJ	Ok
4	Q2757-05DL	FE055282.D	13 Aug 2025 08:47	YP\AJ	Ok
5	Q2818-01DL	FE055283.D	13 Aug 2025 09:17	YP\AJ	Ok,M
6	Q2818-02DL	FE055284.D	13 Aug 2025 09:48	YP\AJ	Ok,M
7	Q2823-01DL	FE055285.D	13 Aug 2025 10:18	YP\AJ	Ok
8	Q2823-02DL	FE055286.D	13 Aug 2025 10:49	YP\AJ	Ok
9	Q2827-01DL	FE055287.D	13 Aug 2025 11:20	YP\AJ	Ok,M
10	Q2827-05DL	FE055288.D	13 Aug 2025 11:50	YP\AJ	Ok,M
11	Q2827-06DL	FE055289.D	13 Aug 2025 12:21	YP\AJ	Not Ok
12	Q2827-06DL2	FE055290.D	13 Aug 2025 12:52	YP\AJ	Not Ok
13	I.BLK	FE055291.D	13 Aug 2025 13:52	YP\AJ	Ok
14	20 PPM ALIPHATIC HC STD	FE055292.D	13 Aug 2025 14:23	YP\AJ	Ok
15	Q2827-06DL	FE055293.D	13 Aug 2025 15:02	YP\AJ	Dilution
16	Q2827-06DL2	FE055294.D	13 Aug 2025 15:32	YP\AJ	Ok
17	I.BLK	FE055295.D	13 Aug 2025 16:33	YP\AJ	Ok
18	20 PPM ALIPHATIC HC STD	FE055296.D	13 Aug 2025 17:04	YP\AJ	Ok

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC080125AL

Review By	yogesh	Review On	8/1/2025 10:37:24 AM		
Supervise By	mohammad	Supervise On	8/5/2025 1:59:30 AM		
SubDirectory	FC080125AL	HP Acquire Method		HP Processing Method	FC080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC069556.D	01 Aug 2025 09:39		YP/AJ	Ok
2	I.BLK	I.BLK	FC069557.D	01 Aug 2025 10:20		YP/AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FC069558.D	01 Aug 2025 11:01		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC069559.D	01 Aug 2025 11:43		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069560.D	01 Aug 2025 12:24		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC069561.D	01 Aug 2025 13:06		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC069562.D	01 Aug 2025 13:47		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069563.D	01 Aug 2025 14:28		YP/AJ	Ok
9	I.BLK	I.BLK	FC069564.D	01 Aug 2025 15:10		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069565.D	01 Aug 2025 15:52		YP/AJ	Ok
11	Q2740-01	OR-02-07312025	FC069566.D	01 Aug 2025 16:37	Need 2X	YP/AJ	Dilution
12	Q2740-01D	Q2740-01D	FC069567.D	01 Aug 2025 17:19		YP/AJ	Ok
13	Q2740-01MS	OR-02-07312025MS	FC069568.D	01 Aug 2025 18:02	FC069566.D	YP/AJ	Ok,M
14	Q2740-01MSD	OR-02-07312025MSD	FC069569.D	01 Aug 2025 18:44	FC069566.D!FC069568.D	YP/AJ	Ok,M
15	I.BLK	I.BLK	FC069570.D	01 Aug 2025 19:26		YP/AJ	Ok
16	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069571.D	01 Aug 2025 20:09		YP/AJ	Ok

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC081225AL

Review By	yogesh	Review On	8/12/2025 10:15:09 AM		
Supervise By	mohammad	Supervise On	8/13/2025 9:40:39 AM		
SubDirectory	FC081225AL	HP Acquire Method		HP Processing Method	FC080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC069632.D	12 Aug 2025 09:33		YP/AJ	Ok
2	I.BLK	I.BLK	FC069633.D	12 Aug 2025 10:17		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069634.D	12 Aug 2025 11:03		YP/AJ	Ok
4	PB169209BL	PB169209BL	FC069635.D	12 Aug 2025 11:48		YP/AJ	Ok
5	PB169209BS	PB169209BS	FC069636.D	12 Aug 2025 12:34	naphthalene break down - 0.356, 2-methylnephthalene break down - 0.156	YP/AJ	Ok
6	PB169209BSD	PB169209BSD	FC069637.D	12 Aug 2025 13:21	naphthalene break down - 0.399, 2-methylnephthalene break down - 0.209	YP/AJ	Ok
7	Q2743-01	WC1	FC069638.D	12 Aug 2025 14:10		YP/AJ	Ok
8	Q2743-01D	Q2743-01D	FC069639.D	12 Aug 2025 15:01		YP/AJ	Ok
9	Q2743-01MS	WC1MS	FC069640.D	12 Aug 2025 15:46	FC069638.D	YP/AJ	Ok
10	Q2743-01MSD	WC1MSD	FC069641.D	12 Aug 2025 16:32	FC069638.D!FC069640.D	YP/AJ	Ok
11	I.BLK	I.BLK	FC069642.D	12 Aug 2025 18:04		YP/AJ	Ok
12	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069643.D	12 Aug 2025 18:50		YP/AJ	Ok
13	PB169207BL	PB169207BL	FC069644.D	12 Aug 2025 20:22		YP/AJ	Ok
14	PB169207BS	PB169207BS	FC069645.D	12 Aug 2025 21:08		YP/AJ	Ok
15	PB169207BSD	PB169207BSD	FC069646.D	12 Aug 2025 21:53		YP/AJ	Ok
16	Q2830-03	BIN0009-DRIVEWAY-T	FC069647.D	12 Aug 2025 22:41		YP/AJ	Ok

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC081225AL

Review By	yogesh	Review On	8/12/2025 10:15:09 AM		
Supervise By	mohammad	Supervise On	8/13/2025 9:40:39 AM		
SubDirectory	FC081225AL	HP Acquire Method		HP Processing Method	FC080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	Q2830-03D	Q2830-03D	FC069648.D	12 Aug 2025 23:27		YP/AJ	Ok
18	Q2830-03MS	BIN0009-DRIVEWAY-T	FC069649.D	13 Aug 2025 00:13	FC069647.D	YP/AJ	Ok
19	Q2830-03MSD	BIN0009-DRIVEWAY-T	FC069650.D	13 Aug 2025 01:50	FC069647.D!FC069649.D	YP/AJ	Ok
20	Q2830-04	BIN0009-DRIVEWAY-T	FC069651.D	13 Aug 2025 02:34		YP/AJ	Ok
21	I.BLK	I.BLK	FC069652.D	13 Aug 2025 04:02		YP/AJ	Ok
22	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069653.D	13 Aug 2025 04:46		YP/AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE080125AL

Review By	yogesh	Review On	8/1/2025 10:51:38 AM		
Supervise By	mohammad	Supervise On	8/5/2025 1:59:38 AM		
SubDirectory	FE080125AL	HP Acquire Method		HP Processing Method	FE080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE055100.D	01 Aug 2025 10:24		YP\AJ	Ok
2	I.BLK	I.BLK	FE055101.D	01 Aug 2025 10:54		YP\AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FE055102.D	01 Aug 2025 11:24		YP\AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FE055103.D	01 Aug 2025 11:54		YP\AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055104.D	01 Aug 2025 12:25		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FE055105.D	01 Aug 2025 12:55		YP\AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FE055106.D	01 Aug 2025 13:25		YP\AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055107.D	01 Aug 2025 13:55		YP\AJ	Ok
9	I.BLK	I.BLK	FE055108.D	01 Aug 2025 14:25		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055109.D	01 Aug 2025 14:55		YP\AJ	Ok
11	PB169089BL	PB169089BL	FE055110.D	01 Aug 2025 16:36		YP\AJ	Ok
12	PB169089BS	PB169089BS	FE055111.D	01 Aug 2025 17:07		YP\AJ	Ok
13	PB169089BSD	PB169089BSD	FE055112.D	01 Aug 2025 17:37		YP\AJ	Ok
14	Q2740-02	OR-02-07312025-E2	FE055113.D	01 Aug 2025 18:07		YP\AJ	Ok
15	Q2741-01	TR-05-07312025	FE055114.D	01 Aug 2025 18:37		YP\AJ	Ok,M
16	Q2741-02	TR-05-07312025-E2	FE055115.D	01 Aug 2025 19:07		YP\AJ	Ok,M
17	Q2734-01	VNJ-253	FE055116.D	01 Aug 2025 19:38	Need 2X	YP\AJ	Dilution
18	I.BLK	I.BLK	FE055117.D	01 Aug 2025 20:08		YP\AJ	Ok

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Fax : 908 789 8922

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE080125AL

Review By	yogesh	Review On	8/1/2025 10:51:38 AM		
Supervise By	mohammad	Supervise On	8/5/2025 1:59:38 AM		
SubDirectory	FE080125AL	HP Acquire Method		HP Processing Method	FE080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055118.D	01 Aug 2025 20:38		YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE081225AL

Review By	yogesh	Review On	8/12/2025 8:20:42 AM		
Supervise By	mohammad	Supervise On	8/13/2025 9:40:33 AM		
SubDirectory	FE081225AL	HP Acquire Method		HP Processing Method	FE080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE055241.D	12 Aug 2025 06:29		YP\AJ	Ok
2	I.BLK	I.BLK	FE055242.D	12 Aug 2025 06:59		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055243.D	12 Aug 2025 07:29		YP\AJ	Ok
4	Q2808-01DL	TP-7DL	FE055244.D	12 Aug 2025 08:00		YP\AJ	Ok
5	Q2809-01DL	OR-03-08082025DL	FE055245.D	12 Aug 2025 08:30		YP\AJ	Ok
6	Q2809-02DL	OR-03-08082025-E2DL	FE055246.D	12 Aug 2025 09:00		YP\AJ	Ok,M
7	PB169208BL	PB169208BL	FE055247.D	12 Aug 2025 09:50		YP\AJ	Ok
8	PB169208BS	PB169208BS	FE055248.D	12 Aug 2025 10:20		YP\AJ	Ok
9	PB169208BSD	PB169208BSD	FE055249.D	12 Aug 2025 10:51		YP\AJ	Ok
10	Q2757-03	1	FE055250.D	12 Aug 2025 11:21		YP\AJ	Ok
11	Q2757-04	2	FE055251.D	12 Aug 2025 11:52		YP\AJ	Ok
12	Q2757-05	3	FE055252.D	12 Aug 2025 12:22	Need 2X	YP\AJ	Dilution
13	I.BLK	I.BLK	FE055253.D	12 Aug 2025 13:23		YP\AJ	Ok
14	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055254.D	12 Aug 2025 13:54		YP\AJ	Ok
15	Q2757-06	4	FE055255.D	12 Aug 2025 14:25		YP\AJ	Ok
16	Q2757-07	5	FE055256.D	12 Aug 2025 14:55		YP\AJ	Ok
17	Q2757-07MS	5MS	FE055257.D	12 Aug 2025 15:26	FE055256.D	YP\AJ	Ok,M
18	Q2757-07MSD	5MSD	FE055258.D	12 Aug 2025 15:56	FE055256.D!FE055257.D	YP\AJ	Ok,M

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE081225AL

Review By	yogesh	Review On	8/12/2025 8:20:42 AM		
Supervise By	mohammad	Supervise On	8/13/2025 9:40:33 AM		
SubDirectory	FE081225AL	HP Acquire Method		HP Processing Method	FE080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2818-01	B-2-5-1	FE055259.D	12 Aug 2025 16:27	Need 10X	YP\AJ	Dilution
20	Q2818-02	B-3-5-2	FE055260.D	12 Aug 2025 16:57	Need 5X	YP\AJ	Dilution
21	Q2823-01	SU-04-081125	FE055261.D	12 Aug 2025 17:28	Need 5X	YP\AJ	Dilution
22	Q2823-02	SU-04-081125-E2	FE055262.D	12 Aug 2025 17:58	Need 2X	YP\AJ	Dilution
23	Q2826-01	WC1	FE055263.D	12 Aug 2025 18:29		YP\AJ	Ok
24	Q2827-01	TP-8	FE055264.D	12 Aug 2025 18:59	Need 2X	YP\AJ	Dilution
25	Q2827-02	TP-8-EPH	FE055265.D	12 Aug 2025 19:30		YP\AJ	Ok,M
26	Q2827-05	TP-9	FE055266.D	12 Aug 2025 20:00	Need 20X	YP\AJ	Dilution
27	I.BLK	I.BLK	FE055267.D	12 Aug 2025 21:01		YP\AJ	Ok
28	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055268.D	12 Aug 2025 21:32		YP\AJ	Ok
29	Q2827-06	TP-9-EPH	FE055269.D	12 Aug 2025 22:33	Need 5X,100X	YP\AJ	Dilution
30	Q2830-01	BIN0009-DRIVEWAY-T	FE055270.D	12 Aug 2025 23:04		YP\AJ	Ok
31	Q2830-02	BIN0009-DRIVEWAY-T	FE055271.D	12 Aug 2025 23:34		YP\AJ	Ok
32	Q2830-05	BIN0009-DRIVEWAY-T	FE055272.D	13 Aug 2025 00:05		YP\AJ	Ok
33	Q2830-06	BIN0009-DRIVEWAY-T	FE055273.D	13 Aug 2025 00:35		YP\AJ	Ok
34	Q2830-07	BIN0009-DRIVEWAY-T	FE055274.D	13 Aug 2025 01:05		YP\AJ	Ok
35	Q2830-08	BIN0009-DRIVEWAY-T	FE055275.D	13 Aug 2025 01:36		YP\AJ	Ok
36	Q2831-01	VNJ-238	FE055276.D	13 Aug 2025 02:06		YP\AJ	Ok
37	I.BLK	I.BLK	FE055277.D	13 Aug 2025 03:07		YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE081225AL

Review By	yogesh	Review On	8/12/2025 8:20:42 AM		
Supervise By	mohammad	Supervise On	8/13/2025 9:40:33 AM		
SubDirectory	FE081225AL	HP Acquire Method		HP Processing Method	FE080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055278.D	13 Aug 2025 04:08		YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE081325AL

Review By	yogesh	Review On	8/13/2025 9:53:14 AM		
Supervise By	mohammad	Supervise On	8/18/2025 1:43:37 AM		
SubDirectory	FE081325AL	HP Acquire Method		HP Processing Method	FE080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE055279.D	13 Aug 2025 07:16		YP\AJ	Ok
2	I.BLK	I.BLK	FE055280.D	13 Aug 2025 07:46		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055281.D	13 Aug 2025 08:17		YP\AJ	Ok
4	Q2757-05DL	3DL	FE055282.D	13 Aug 2025 08:47		YP\AJ	Ok
5	Q2818-01DL	B-2-5-1DL	FE055283.D	13 Aug 2025 09:17		YP\AJ	Ok,M
6	Q2818-02DL	B-3-5-2DL	FE055284.D	13 Aug 2025 09:48		YP\AJ	Ok,M
7	Q2823-01DL	SU-04-081125DL	FE055285.D	13 Aug 2025 10:18		YP\AJ	Ok
8	Q2823-02DL	SU-04-081125-E2DL	FE055286.D	13 Aug 2025 10:49		YP\AJ	Ok
9	Q2827-01DL	TP-8DL	FE055287.D	13 Aug 2025 11:20		YP\AJ	Ok,M
10	Q2827-05DL	TP-9DL	FE055288.D	13 Aug 2025 11:50		YP\AJ	Ok,M
11	Q2827-06DL	TP-9-EPHDL	FE055289.D	13 Aug 2025 12:21	Not Used	YP\AJ	Not Ok
12	Q2827-06DL2	TP-9-EPHDL2	FE055290.D	13 Aug 2025 12:52	Not Used	YP\AJ	Not Ok
13	I.BLK	I.BLK	FE055291.D	13 Aug 2025 13:52		YP\AJ	Ok
14	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055292.D	13 Aug 2025 14:23		YP\AJ	Ok
15	Q2827-06DL	TP-9-EPHDL	FE055293.D	13 Aug 2025 15:02	Need further diluton	YP\AJ	Dilution
16	Q2827-06DL2	TP-9-EPHDL2	FE055294.D	13 Aug 2025 15:32		YP\AJ	Ok
17	I.BLK	I.BLK	FE055295.D	13 Aug 2025 16:33		YP\AJ	Ok
18	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055296.D	13 Aug 2025 17:04		YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE081325AL

Review By	yogesh	Review On	8/13/2025 9:53:14 AM		
Supervise By	mohammad	Supervise On	8/18/2025 1:43:37 AM		
SubDirectory	FE081325AL	HP Acquire Method		HP Processing Method	FE080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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EXTRACTION LOGPAGE

PB169207

SOP ID:	MNJDEP-EPH-8				
Clean Up SOP #:	N/A			**Extraction Start Date :**	08/12/2025
Matrix :	Solid			**Extraction Start Time :**	08:45
Weigh By:	RJ	**Extraction By:**	RJ	**Extraction End Date :**	08/12/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	13:00
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	RS
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	100 PPM	PP24767
Surrogate	1.0ML	100 PPM	PP24652
Fractionation Surrogate	1.0ML	100 PPM	PP24765
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	EP2626
Baked Na2SO4	N/A	EP2632
Sand	N/A	E3951
Hexane	N/A	E3962
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
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:

N/A

KD Bath ID:	N/A	**Envap ID:**	NEVIDAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/12/25 13:05	RS (Ex-Lab)	Y-P.Pey HPOB
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169207

Analytical Method: MNJDEP-EPH-8

Concentration Date: 08/12/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169207BL	PB169207BL	EPH_NF	30.02	N/A	ritesh	RUPESH	2			U1-1
PB169207BS	PB169207BS	EPH_NF	30.01	N/A	ritesh	RUPESH	2			2
PB169207BSD	PB169207BSD	EPH_NF	30.02	N/A	ritesh	RUPESH	2			3
Q2818-01	B-2-5-1	EPH_NF	30.06	N/A	ritesh	RUPESH	2	B		4
Q2818-02	B-3-5-2	EPH_NF	30.04	N/A	ritesh	RUPESH	2	B		5
Q2823-01	SU-04-081125	EPH_NF	30.10	N/A	ritesh	RUPESH	2	E		6
Q2823-02	SU-04-081125-E2	EPH_NF	30.08	N/A	ritesh	RUPESH	2			U2-1
Q2826-01	WC1	EPH_NF	30.06	N/A	ritesh	RUPESH	2			2
Q2827-01	TP-8	EPH_NF	30.09	N/A	ritesh	RUPESH	2	E		3
Q2827-02	TP-8-EPH	EPH_NF	30.07	N/A	ritesh	RUPESH	2			4
Q2827-05	TP-9	EPH_NF	30.03	N/A	ritesh	RUPESH	2	E	Gasoline Smell	5
Q2827-06	TP-9-EPH	EPH_NF	30.06	N/A	ritesh	RUPESH	2		Gasoline Smell	6
Q2830-01	BIN0009-DRIVEWAY-TP-SOUTH-EAST	EPH_NF	30.09	N/A	ritesh	RUPESH	2	E		U3-1
Q2830-02	BIN0009-DRIVEWAY-TP-SOUTH-EAST	EPH_NF	30.05	N/A	ritesh	RUPESH	2			2
Q2830-03	BIN0009-DRIVEWAY-TP-WEST	EPH_NF	30.02	N/A	ritesh	RUPESH	2	E		3
Q2830-03DUP	BIN0009-DRIVEWAY-TP-WESTDUP	EPH_NF	30.01	N/A	ritesh	RUPESH	2	E		4
Q2830-03MS	BIN0009-DRIVEWAY-TP-WESTMS	EPH_NF	30.06	N/A	ritesh	RUPESH	2	E		5
Q2830-03MSD	BIN0009-DRIVEWAY-TP-WESTMSD	EPH_NF	30.08	N/A	ritesh	RUPESH	2	E		6
Q2830-04	BIN0009-DRIVEWAY-TP-WEST	EPH_NF	30.07	N/A	ritesh	RUPESH	2			U6-1
Q2830-05	BIN0009-DRIVEWAY-TP-WESTSIDE	EPH_NF	30.04	N/A	ritesh	RUPESH	2	E		2
Q2830-06	BIN0009-DRIVEWAY-TP-WESTSIDE	EPH_NF	30.09	N/A	ritesh	RUPESH	2			3
Q2830-07	BIN0009-DRIVEWAY-TP-EASTSIDE	EPH_NF	30.06	N/A	ritesh	RUPESH	2	E		4
Q2830-08	BIN0009-DRIVEWAY-TP-EASTSIDE	EPH_NF	30.02	N/A	ritesh	RUPESH	2			5
Q2831-01	VNJ-238	EPH_NF	30.07	N/A	ritesh	RUPESH	2	B		6

RS 8/12

* **Extracts relinquished on the same date as received.**

Q2818 8:45

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2823 **WorkList ID :** 191215 **Department :** Extraction **Date :** 08-12-2025 08:30:52

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2818-01	B-2-5-1	Solid	EPH_NF	Cool 4 deg C	EARTH03	J21	08/11/2025	NJEPH
Q2818-02	B-3-5-2	Solid	EPH_NF	Cool 4 deg C	EARTH03	J21	08/11/2025	NJEPH
Q2823-01	SU-04-081125	Solid	EPH_NF	Cool 4 deg C	PSEG05	D31	08/11/2025	NJEPH
Q2823-02	SU-04-081125-E2	Solid	EPH_NF	Cool 4 deg C	PSEG05	D31	08/11/2025	NJEPH
Q2826-01	WC1	Solid	EPH_NF	Cool 4 deg C	GENV01	D31	08/11/2025	NJEPH
Q2827-01	TP-8	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	08/11/2025	NJEPH
Q2827-02	TP-8-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	08/11/2025	NJEPH
Q2827-05	TP-9	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	08/11/2025	NJEPH
Q2827-06	TP-9-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	08/11/2025	NJEPH
Q2830-01	BIN0009-DRIVEWAY-TP-SOUT	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	08/11/2025	NJEPH
Q2830-02	BIN0009-DRIVEWAY-TP-SOUT	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	08/11/2025	NJEPH
Q2830-03	BIN0009-DRIVEWAY-TP-WEST	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	08/11/2025	NJEPH
Q2830-04	BIN0009-DRIVEWAY-TP-WEST	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	08/11/2025	NJEPH
Q2830-05	BIN0009-DRIVEWAY-TP-WEST	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	08/11/2025	NJEPH
Q2830-06	BIN0009-DRIVEWAY-TP-WEST	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	08/11/2025	NJEPH
Q2830-07	BIN0009-DRIVEWAY-TP-EAST	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	08/11/2025	NJEPH
Q2830-08	BIN0009-DRIVEWAY-TP-EAST	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	08/11/2025	NJEPH
Q2831-01	VNJ-238	Solid	EPH_NF	Cool 4 deg C	PSEG03	D21	08/11/2025	NJEPH

652 of 807

Date/Time 08/12/25 8:40
Raw Sample Received by: RJ LEAL-(ACB)
Raw Sample Relinquished by:

Date/Time 08/12/25 9:10
Raw Sample Received by:
Raw Sample Relinquished by: RJ LEAL-(ACB)

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LAB CHRONICLE

OrderID:	Q2818	**OrderDate:**	8/11/2025 11:57:00 AM
Client:	Earth Engineering Inc.	**Project:**	Reserve Turgyan Farms
Contact:	Frank Dougherty, LSRP	**Location:**	J21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2818-01	**B-2-5-1**	**SOIL**			**08/11/25**			**08/11/25**
			PCB	8082A		08/12/25	08/12/25	
			EPH_NF	NJEPH		08/12/25	08/12/25	
Q2818-01DL	**B-2-5-1DL**	**Solid**			**08/11/25**			**08/11/25**
			EPH_NF	NJEPH		08/12/25	08/13/25	
Q2818-02	**B-3-5-2**	**SOIL**			**08/11/25**			**08/11/25**
			PCB	8082A		08/12/25	08/12/25	
			EPH_NF	NJEPH		08/12/25	08/12/25	
Q2818-02DL	**B-3-5-2DL**	**Solid**			**08/11/25**			**08/11/25**
			EPH_NF	NJEPH		08/12/25	08/13/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2818 **Order ID:** Q2818

Client: Earth Engineering Inc. **Project ID:** Reserve Turgyan Farms

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B-2-5-1								
Q2818-01	B-2-5-1	SOIL	Aluminum	5490		0.82	4.88	mg/Kg
Q2818-01	B-2-5-1	SOIL	Arsenic	12.0		0.19	0.98	mg/Kg
Q2818-01	B-2-5-1	SOIL	Barium	40.4		0.71	4.88	mg/Kg
Q2818-01	B-2-5-1	SOIL	Beryllium	0.99		0.024	0.29	mg/Kg
Q2818-01	B-2-5-1	SOIL	Cadmium	1.31		0.023	0.29	mg/Kg
Q2818-01	B-2-5-1	SOIL	Calcium	1720		10.8	97.7	mg/Kg
Q2818-01	B-2-5-1	SOIL	Chromium	54.0		0.046	0.49	mg/Kg
Q2818-01	B-2-5-1	SOIL	Cobalt	4.33		0.098	1.47	mg/Kg
Q2818-01	B-2-5-1	SOIL	Copper	25.2		0.22	0.98	mg/Kg
Q2818-01	B-2-5-1	SOIL	Iron	26400		3.90	4.88	mg/Kg
Q2818-01	B-2-5-1	SOIL	Lead	16.4		0.13	0.59	mg/Kg
Q2818-01	B-2-5-1	SOIL	Magnesium	622		11.7	97.7	mg/Kg
Q2818-01	B-2-5-1	SOIL	Manganese	101		0.14	0.98	mg/Kg
Q2818-01	B-2-5-1	SOIL	Mercury	0.14		0.0090	0.015	mg/Kg
Q2818-01	B-2-5-1	SOIL	Nickel	8.31		0.13	1.95	mg/Kg
Q2818-01	B-2-5-1	SOIL	Potassium	1130		27.1	97.7	mg/Kg
Q2818-01	B-2-5-1	SOIL	Selenium	0.64	J	0.25	0.98	mg/Kg
Q2818-01	B-2-5-1	SOIL	Silver	0.75		0.12	0.49	mg/Kg
Q2818-01	B-2-5-1	SOIL	Sodium	128		17.4	97.7	mg/Kg
Q2818-01	B-2-5-1	SOIL	Vanadium	55.0		0.24	1.95	mg/Kg
Q2818-01	B-2-5-1	SOIL	Zinc	77.2		0.23	1.95	mg/Kg
Client ID : B-3-5-2								
Q2818-02	B-3-5-2	SOIL	Aluminum	5230		0.81	4.82	mg/Kg
Q2818-02	B-3-5-2	SOIL	Arsenic	12.3		0.18	0.96	mg/Kg
Q2818-02	B-3-5-2	SOIL	Barium	36.6		0.70	4.82	mg/Kg
Q2818-02	B-3-5-2	SOIL	Beryllium	0.97		0.024	0.29	mg/Kg
Q2818-02	B-3-5-2	SOIL	Cadmium	1.31		0.023	0.29	mg/Kg
Q2818-02	B-3-5-2	SOIL	Calcium	1580		10.7	96.3	mg/Kg
Q2818-02	B-3-5-2	SOIL	Chromium	52.9		0.045	0.48	mg/Kg
Q2818-02	B-3-5-2	SOIL	Cobalt	4.12		0.096	1.45	mg/Kg
Q2818-02	B-3-5-2	SOIL	Copper	22.9		0.21	0.96	mg/Kg
Q2818-02	B-3-5-2	SOIL	Iron	25700		3.84	4.82	mg/Kg
Q2818-02	B-3-5-2	SOIL	Lead	18.6		0.13	0.58	mg/Kg
Q2818-02	B-3-5-2	SOIL	Magnesium	567		11.6	96.3	mg/Kg
Q2818-02	B-3-5-2	SOIL	Manganese	93.1		0.14	0.96	mg/Kg
Q2818-02	B-3-5-2	SOIL	Mercury	0.083		0.0080	0.015	mg/Kg
Q2818-02	B-3-5-2	SOIL	Nickel	8.04		0.13	1.93	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2818 **Order ID:** Q2818

Client: Earth Engineering Inc. **Project ID:** Reserve Turgyan Farms

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2818-02	B-3-5-2	SOIL	Potassium	1050		26.7	96.3	mg/Kg
Q2818-02	B-3-5-2	SOIL	Selenium	0.62	J	0.25	0.96	mg/Kg
Q2818-02	B-3-5-2	SOIL	Silver	0.72		0.12	0.48	mg/Kg
Q2818-02	B-3-5-2	SOIL	Sodium	118		17.1	96.3	mg/Kg
Q2818-02	B-3-5-2	SOIL	Vanadium	54.6		0.24	1.93	mg/Kg
Q2818-02	B-3-5-2	SOIL	Zinc	71.2		0.22	1.93	mg/Kg

SAMPLE DATA

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Fax : 908 789 8922

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-2-5-1	SDG No.:	Q2818
Lab Sample ID:	Q2818-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	87.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5490		1	0.82	4.88	mg/Kg	08/12/25 12:55	08/13/25 14:11	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.44	mg/Kg	08/12/25 12:55	08/13/25 14:11	6010D	SW3050
7440-38-2	Arsenic	12.0	N	1	0.19	0.98	mg/Kg	08/12/25 12:55	08/13/25 14:11	6010D	SW3050
7440-39-3	Barium	40.4		1	0.71	4.88	mg/Kg	08/12/25 12:55	08/13/25 14:11	6010D	SW3050
7440-41-7	Beryllium	0.99	N	1	0.024	0.29	mg/Kg	08/12/25 12:55	08/13/25 14:11	6010D	SW3050
7440-43-9	Cadmium	1.31		1	0.023	0.29	mg/Kg	08/12/25 12:55	08/13/25 14:11	6010D	SW3050
7440-70-2	Calcium	1720		1	10.8	97.7	mg/Kg	08/12/25 12:55	08/13/25 14:11	6010D	SW3050
7440-47-3	Chromium	54.0	N	1	0.046	0.49	mg/Kg	08/12/25 12:55	08/13/25 14:11	6010D	SW3050
7440-48-4	Cobalt	4.33		1	0.098	1.47	mg/Kg	08/12/25 12:55	08/13/25 14:11	6010D	SW3050
7440-50-8	Copper	25.2		1	0.22	0.98	mg/Kg	08/12/25 12:55	08/13/25 14:11	6010D	SW3050
7439-89-6	Iron	26400	*	1	3.90	4.88	mg/Kg	08/12/25 12:55	08/13/25 14:11	6010D	SW3050
7439-92-1	Lead	16.4		1	0.13	0.59	mg/Kg	08/12/25 12:55	08/13/25 14:11	6010D	SW3050
7439-95-4	Magnesium	622		1	11.7	97.7	mg/Kg	08/12/25 12:55	08/13/25 14:11	6010D	SW3050
7439-96-5	Manganese	101		1	0.14	0.98	mg/Kg	08/12/25 12:55	08/13/25 14:11	6010D	SW3050
7439-97-6	Mercury	0.14		1	0.0090	0.015	mg/Kg	08/11/25 16:30	08/12/25 11:03	7471B	
7440-02-0	Nickel	8.31		1	0.13	1.95	mg/Kg	08/12/25 12:55	08/13/25 14:11	6010D	SW3050
7440-09-7	Potassium	1130	N	1	27.1	97.7	mg/Kg	08/12/25 12:55	08/13/25 14:11	6010D	SW3050
7782-49-2	Selenium	0.64	JN	1	0.25	0.98	mg/Kg	08/12/25 12:55	08/13/25 14:11	6010D	SW3050
7440-22-4	Silver	0.75	N	1	0.12	0.49	mg/Kg	08/12/25 12:55	08/13/25 14:11	6010D	SW3050
7440-23-5	Sodium	128		1	17.4	97.7	mg/Kg	08/12/25 12:55	08/13/25 14:11	6010D	SW3050
7440-28-0	Thallium	0.23	UN	1	0.23	1.95	mg/Kg	08/12/25 12:55	08/13/25 14:11	6010D	SW3050
7440-62-2	Vanadium	55.0	N*	1	0.24	1.95	mg/Kg	08/12/25 12:55	08/13/25 14:11	6010D	SW3050
7440-66-6	Zinc	77.2		1	0.23	1.95	mg/Kg	08/12/25 12:55	08/13/25 14:11	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	TCL+30/TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-3-5-2	SDG No.:	Q2818
Lab Sample ID:	Q2818-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5230		1	0.81	4.82	mg/Kg	08/12/25 12:55	08/13/25 14:16	6010D	SW3050
7440-36-0	Antimony	0.21	UN	1	0.21	2.41	mg/Kg	08/12/25 12:55	08/13/25 14:16	6010D	SW3050
7440-38-2	Arsenic	12.3	N	1	0.18	0.96	mg/Kg	08/12/25 12:55	08/13/25 14:16	6010D	SW3050
7440-39-3	Barium	36.6		1	0.70	4.82	mg/Kg	08/12/25 12:55	08/13/25 14:16	6010D	SW3050
7440-41-7	Beryllium	0.97	N	1	0.024	0.29	mg/Kg	08/12/25 12:55	08/13/25 14:16	6010D	SW3050
7440-43-9	Cadmium	1.31		1	0.023	0.29	mg/Kg	08/12/25 12:55	08/13/25 14:16	6010D	SW3050
7440-70-2	Calcium	1580		1	10.7	96.3	mg/Kg	08/12/25 12:55	08/13/25 14:16	6010D	SW3050
7440-47-3	Chromium	52.9	N	1	0.045	0.48	mg/Kg	08/12/25 12:55	08/13/25 14:16	6010D	SW3050
7440-48-4	Cobalt	4.12		1	0.096	1.45	mg/Kg	08/12/25 12:55	08/13/25 14:16	6010D	SW3050
7440-50-8	Copper	22.9		1	0.21	0.96	mg/Kg	08/12/25 12:55	08/13/25 14:16	6010D	SW3050
7439-89-6	Iron	25700	*	1	3.84	4.82	mg/Kg	08/12/25 12:55	08/13/25 14:16	6010D	SW3050
7439-92-1	Lead	18.6		1	0.13	0.58	mg/Kg	08/12/25 12:55	08/13/25 14:16	6010D	SW3050
7439-95-4	Magnesium	567		1	11.6	96.3	mg/Kg	08/12/25 12:55	08/13/25 14:16	6010D	SW3050
7439-96-5	Manganese	93.1		1	0.14	0.96	mg/Kg	08/12/25 12:55	08/13/25 14:16	6010D	SW3050
7439-97-6	Mercury	0.083		1	0.0080	0.015	mg/Kg	08/11/25 16:30	08/12/25 11:06	7471B	
7440-02-0	Nickel	8.04		1	0.13	1.93	mg/Kg	08/12/25 12:55	08/13/25 14:16	6010D	SW3050
7440-09-7	Potassium	1050	N	1	26.7	96.3	mg/Kg	08/12/25 12:55	08/13/25 14:16	6010D	SW3050
7782-49-2	Selenium	0.62	JN	1	0.25	0.96	mg/Kg	08/12/25 12:55	08/13/25 14:16	6010D	SW3050
7440-22-4	Silver	0.72	N	1	0.12	0.48	mg/Kg	08/12/25 12:55	08/13/25 14:16	6010D	SW3050
7440-23-5	Sodium	118		1	17.1	96.3	mg/Kg	08/12/25 12:55	08/13/25 14:16	6010D	SW3050
7440-28-0	Thallium	0.22	UN	1	0.22	1.93	mg/Kg	08/12/25 12:55	08/13/25 14:16	6010D	SW3050
7440-62-2	Vanadium	54.6	N*	1	0.24	1.93	mg/Kg	08/12/25 12:55	08/13/25 14:16	6010D	SW3050
7440-66-6	Zinc	71.2		1	0.22	1.93	mg/Kg	08/12/25 12:55	08/13/25 14:16	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	TCL+30/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: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB08	Mercury	0.076	+/-0.2	U	0.20	CV	08/12/2025	10:01	LB136782

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB22	Mercury	0.076	+/-0.2	U	0.20	CV	08/12/2025	10:08	LB136782
CCB23	Mercury	0.076	+/-0.2	U	0.20	CV	08/12/2025	11:21	LB136782
CCB24	Mercury	0.076	+/-0.2	U	0.20	CV	08/12/2025	11:54	LB136782
CCB25	Mercury	0.076	+/-0.2	U	0.20	CV	08/12/2025	12:37	LB136782
CCB26	Mercury	0.076	+/-0.2	U	0.20	CV	08/12/2025	13:00	LB136782

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	11.3	+/-50	U	100	P	08/13/2025	12:33	LB136801
	Antimony	6.76	+/-25	U	50.0	P	08/13/2025	12:33	LB136801
	Arsenic	5.12	+/-10	U	20.0	P	08/13/2025	12:33	LB136801
	Barium	14.6	+/-50	U	100	P	08/13/2025	12:33	LB136801
	Beryllium	0.56	+/-3	U	6.00	P	08/13/2025	12:33	LB136801
	Cadmium	0.50	+/-3	U	6.00	P	08/13/2025	12:33	LB136801
	Calcium	234	+/-1000	U	2000	P	08/13/2025	12:33	LB136801
	Chromium	2.12	+/-5	U	10.0	P	08/13/2025	12:33	LB136801
	Cobalt	2.26	+/-15	U	30.0	P	08/13/2025	12:33	LB136801
	Copper	4.60	+/-10	U	20.0	P	08/13/2025	12:33	LB136801
	Iron	23.4	+/-50	U	100	P	08/13/2025	12:33	LB136801
	Lead	2.30	+/-6	U	12.0	P	08/13/2025	12:33	LB136801
	Magnesium	244	+/-1000	U	2000	P	08/13/2025	12:33	LB136801
	Manganese	5.94	+/-10	U	20.0	P	08/13/2025	12:33	LB136801
	Nickel	3.06	+/-20	U	40.0	P	08/13/2025	12:33	LB136801
	Potassium	918	+/-1000	U	2000	P	08/13/2025	12:33	LB136801
	Selenium	9.64	+/-10	U	20.0	P	08/13/2025	12:33	LB136801
	Silver	1.62	+/-5	U	10.0	P	08/13/2025	12:33	LB136801
	Sodium	868	+/-1000	U	2000	P	08/13/2025	12:33	LB136801
	Thallium	4.38	+/-20	U	40.0	P	08/13/2025	12:33	LB136801
	Vanadium	6.26	+/-20	U	40.0	P	08/13/2025	12:33	LB136801
	Zinc	16.7	+/-20	U	40.0	P	08/13/2025	12:33	LB136801

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	100	P	08/13/2025	13:03	LB136801
	Antimony	6.76	+/-25	U	50.0	P	08/13/2025	13:03	LB136801
	Arsenic	5.12	+/-10	U	20.0	P	08/13/2025	13:03	LB136801
	Barium	14.6	+/-50	U	100	P	08/13/2025	13:03	LB136801
	Beryllium	0.56	+/-3	U	6.00	P	08/13/2025	13:03	LB136801
	Cadmium	0.50	+/-3	U	6.00	P	08/13/2025	13:03	LB136801
	Calcium	234	+/-1000	U	2000	P	08/13/2025	13:03	LB136801
	Chromium	2.12	+/-5	U	10.0	P	08/13/2025	13:03	LB136801
	Cobalt	2.26	+/-15	U	30.0	P	08/13/2025	13:03	LB136801
	Copper	4.60	+/-10	U	20.0	P	08/13/2025	13:03	LB136801
	Iron	23.4	+/-50	U	100	P	08/13/2025	13:03	LB136801
	Lead	2.30	+/-6	U	12.0	P	08/13/2025	13:03	LB136801
	Magnesium	244	+/-1000	U	2000	P	08/13/2025	13:03	LB136801
	Manganese	5.94	+/-10	U	20.0	P	08/13/2025	13:03	LB136801
	Nickel	3.06	+/-20	U	40.0	P	08/13/2025	13:03	LB136801
	Potassium	918	+/-1000	U	2000	P	08/13/2025	13:03	LB136801
	Selenium	9.64	+/-10	U	20.0	P	08/13/2025	13:03	LB136801
	Silver	1.62	+/-5	U	10.0	P	08/13/2025	13:03	LB136801
	Sodium	868	+/-1000	U	2000	P	08/13/2025	13:03	LB136801
	Thallium	4.38	+/-20	U	40.0	P	08/13/2025	13:03	LB136801
	Vanadium	6.26	+/-20	U	40.0	P	08/13/2025	13:03	LB136801
	Zinc	16.7	+/-20	U	40.0	P	08/13/2025	13:03	LB136801
CCB02	Aluminum	11.3	+/-50	U	100	P	08/13/2025	13:46	LB136801
	Antimony	6.76	+/-25	U	50.0	P	08/13/2025	13:46	LB136801
	Arsenic	5.12	+/-10	U	20.0	P	08/13/2025	13:46	LB136801
	Barium	14.6	+/-50	U	100	P	08/13/2025	13:46	LB136801
	Beryllium	0.56	+/-3	U	6.00	P	08/13/2025	13:46	LB136801
	Cadmium	0.50	+/-3	U	6.00	P	08/13/2025	13:46	LB136801
	Calcium	234	+/-1000	U	2000	P	08/13/2025	13:46	LB136801
	Chromium	2.12	+/-5	U	10.0	P	08/13/2025	13:46	LB136801
	Cobalt	2.26	+/-15	U	30.0	P	08/13/2025	13:46	LB136801
	Copper	4.60	+/-10	U	20.0	P	08/13/2025	13:46	LB136801
	Iron	23.4	+/-50	U	100	P	08/13/2025	13:46	LB136801
	Lead	2.30	+/-6	U	12.0	P	08/13/2025	13:46	LB136801
	Magnesium	244	+/-1000	U	2000	P	08/13/2025	13:46	LB136801
	Manganese	5.94	+/-10	U	20.0	P	08/13/2025	13:46	LB136801
	Nickel	3.06	+/-20	U	40.0	P	08/13/2025	13:46	LB136801
	Potassium	918	+/-1000	U	2000	P	08/13/2025	13:46	LB136801
	Selenium	9.64	+/-10	U	20.0	P	08/13/2025	13:46	LB136801

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	08/13/2025	13:46	LB136801
	Sodium	868	+/-1000	U	2000	P	08/13/2025	13:46	LB136801
	Thallium	4.38	+/-20	U	40.0	P	08/13/2025	13:46	LB136801
	Vanadium	6.26	+/-20	U	40.0	P	08/13/2025	13:46	LB136801
	Zinc	16.7	+/-20	U	40.0	P	08/13/2025	13:46	LB136801
CCB03	Aluminum	11.3	+/-50	U	100	P	08/13/2025	14:37	LB136801
	Antimony	6.76	+/-25	U	50.0	P	08/13/2025	14:37	LB136801
	Arsenic	5.12	+/-10	U	20.0	P	08/13/2025	14:37	LB136801
	Barium	14.6	+/-50	U	100	P	08/13/2025	14:37	LB136801
	Beryllium	0.56	+/-3	U	6.00	P	08/13/2025	14:37	LB136801
	Cadmium	0.50	+/-3	U	6.00	P	08/13/2025	14:37	LB136801
	Calcium	234	+/-1000	U	2000	P	08/13/2025	14:37	LB136801
	Chromium	2.12	+/-5	U	10.0	P	08/13/2025	14:37	LB136801
	Cobalt	2.26	+/-15	U	30.0	P	08/13/2025	14:37	LB136801
	Copper	4.60	+/-10	U	20.0	P	08/13/2025	14:37	LB136801
	Iron	23.4	+/-50	U	100	P	08/13/2025	14:37	LB136801
	Lead	2.30	+/-6	U	12.0	P	08/13/2025	14:37	LB136801
	Magnesium	244	+/-1000	U	2000	P	08/13/2025	14:37	LB136801
	Manganese	5.94	+/-10	U	20.0	P	08/13/2025	14:37	LB136801
	Nickel	3.06	+/-20	U	40.0	P	08/13/2025	14:37	LB136801
	Potassium	918	+/-1000	U	2000	P	08/13/2025	14:37	LB136801
	Selenium	9.64	+/-10	U	20.0	P	08/13/2025	14:37	LB136801
	Silver	1.62	+/-5	U	10.0	P	08/13/2025	14:37	LB136801
	Sodium	868	+/-1000	U	2000	P	08/13/2025	14:37	LB136801
	Thallium	4.38	+/-20	U	40.0	P	08/13/2025	14:37	LB136801
	Vanadium	6.26	+/-20	U	40.0	P	08/13/2025	14:37	LB136801
	Zinc	16.7	+/-20	U	40.0	P	08/13/2025	14:37	LB136801
CCB04	Aluminum	11.3	+/-50	U	100	P	08/13/2025	15:27	LB136801
	Antimony	6.76	+/-25	U	50.0	P	08/13/2025	15:27	LB136801
	Arsenic	5.12	+/-10	U	20.0	P	08/13/2025	15:27	LB136801
	Barium	14.6	+/-50	U	100	P	08/13/2025	15:27	LB136801
	Beryllium	0.56	+/-3	U	6.00	P	08/13/2025	15:27	LB136801
	Cadmium	0.50	+/-3	U	6.00	P	08/13/2025	15:27	LB136801
	Calcium	234	+/-1000	U	2000	P	08/13/2025	15:27	LB136801
	Chromium	2.12	+/-5	U	10.0	P	08/13/2025	15:27	LB136801
	Cobalt	2.26	+/-15	U	30.0	P	08/13/2025	15:27	LB136801
	Copper	4.60	+/-10	U	20.0	P	08/13/2025	15:27	LB136801
	Iron	23.4	+/-50	U	100	P	08/13/2025	15:27	LB136801
	Lead	2.30	+/-6	U	12.0	P	08/13/2025	15:27	LB136801

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	08/13/2025	15:27	LB136801
	Manganese	5.94	+/-10	U	20.0	P	08/13/2025	15:27	LB136801
	Nickel	3.06	+/-20	U	40.0	P	08/13/2025	15:27	LB136801
	Potassium	918	+/-1000	U	2000	P	08/13/2025	15:27	LB136801
	Selenium	9.64	+/-10	U	20.0	P	08/13/2025	15:27	LB136801
	Silver	1.62	+/-5	U	10.0	P	08/13/2025	15:27	LB136801
	Sodium	868	+/-1000	U	2000	P	08/13/2025	15:27	LB136801
	Thallium	4.38	+/-20	U	40.0	P	08/13/2025	15:27	LB136801
	Vanadium	6.26	+/-20	U	40.0	P	08/13/2025	15:27	LB136801
	Zinc	16.7	+/-20	U	40.0	P	08/13/2025	15:27	LB136801
CCB05	Aluminum	11.3	+/-50	U	100	P	08/13/2025	16:19	LB136801
	Antimony	6.76	+/-25	U	50.0	P	08/13/2025	16:19	LB136801
	Arsenic	5.12	+/-10	U	20.0	P	08/13/2025	16:19	LB136801
	Barium	14.6	+/-50	U	100	P	08/13/2025	16:19	LB136801
	Beryllium	0.56	+/-3	U	6.00	P	08/13/2025	16:19	LB136801
	Cadmium	0.50	+/-3	U	6.00	P	08/13/2025	16:19	LB136801
	Calcium	234	+/-1000	U	2000	P	08/13/2025	16:19	LB136801
	Chromium	2.12	+/-5	U	10.0	P	08/13/2025	16:19	LB136801
	Cobalt	2.26	+/-15	U	30.0	P	08/13/2025	16:19	LB136801
	Copper	4.60	+/-10	U	20.0	P	08/13/2025	16:19	LB136801
	Iron	23.4	+/-50	U	100	P	08/13/2025	16:19	LB136801
	Lead	2.30	+/-6	U	12.0	P	08/13/2025	16:19	LB136801
	Magnesium	244	+/-1000	U	2000	P	08/13/2025	16:19	LB136801
	Manganese	5.94	+/-10	U	20.0	P	08/13/2025	16:19	LB136801
	Nickel	3.06	+/-20	U	40.0	P	08/13/2025	16:19	LB136801
	Potassium	918	+/-1000	U	2000	P	08/13/2025	16:19	LB136801
	Selenium	9.64	+/-10	U	20.0	P	08/13/2025	16:19	LB136801
	Silver	1.62	+/-5	U	10.0	P	08/13/2025	16:19	LB136801
	Sodium	868	+/-1000	U	2000	P	08/13/2025	16:19	LB136801
	Thallium	4.38	+/-20	U	40.0	P	08/13/2025	16:19	LB136801
	Vanadium	6.26	+/-20	U	40.0	P	08/13/2025	16:19	LB136801
	Zinc	16.7	+/-20	U	40.0	P	08/13/2025	16:19	LB136801
CCB06	Aluminum	11.3	+/-50	U	100	P	08/13/2025	17:09	LB136801
	Antimony	6.76	+/-25	U	50.0	P	08/13/2025	17:09	LB136801
	Arsenic	5.12	+/-10	U	20.0	P	08/13/2025	17:09	LB136801
	Barium	14.6	+/-50	U	100	P	08/13/2025	17:09	LB136801
	Beryllium	0.56	+/-3	U	6.00	P	08/13/2025	17:09	LB136801
	Cadmium	0.50	+/-3	U	6.00	P	08/13/2025	17:09	LB136801
	Calcium	234	+/-1000	U	2000	P	08/13/2025	17:09	LB136801

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	2.12	+/-5	U	10.0	P	08/13/2025	17:09	LB136801
	Cobalt	2.26	+/-15	U	30.0	P	08/13/2025	17:09	LB136801
	Copper	4.60	+/-10	U	20.0	P	08/13/2025	17:09	LB136801
	Iron	23.4	+/-50	U	100	P	08/13/2025	17:09	LB136801
	Lead	2.30	+/-6	U	12.0	P	08/13/2025	17:09	LB136801
	Magnesium	244	+/-1000	U	2000	P	08/13/2025	17:09	LB136801
	Manganese	5.94	+/-10	U	20.0	P	08/13/2025	17:09	LB136801
	Nickel	3.06	+/-20	U	40.0	P	08/13/2025	17:09	LB136801
	Potassium	918	+/-1000	U	2000	P	08/13/2025	17:09	LB136801
	Selenium	9.64	+/-10	U	20.0	P	08/13/2025	17:09	LB136801
	Silver	1.62	+/-5	U	10.0	P	08/13/2025	17:09	LB136801
	Sodium	868	+/-1000	U	2000	P	08/13/2025	17:09	LB136801
	Thallium	4.38	+/-20	U	40.0	P	08/13/2025	17:09	LB136801
	Vanadium	6.26	+/-20	U	40.0	P	08/13/2025	17:09	LB136801
	Zinc	16.7	+/-20	U	40.0	P	08/13/2025	17:09	LB136801
CCB07	Aluminum	11.3	+/-50	U	100	P	08/13/2025	17:50	LB136801
	Antimony	6.76	+/-25	U	50.0	P	08/13/2025	17:50	LB136801
	Arsenic	5.12	+/-10	U	20.0	P	08/13/2025	17:50	LB136801
	Barium	14.6	+/-50	U	100	P	08/13/2025	17:50	LB136801
	Beryllium	0.56	+/-3	U	6.00	P	08/13/2025	17:50	LB136801
	Cadmium	0.50	+/-3	U	6.00	P	08/13/2025	17:50	LB136801
	Calcium	234	+/-1000	U	2000	P	08/13/2025	17:50	LB136801
	Chromium	2.12	+/-5	U	10.0	P	08/13/2025	17:50	LB136801
	Cobalt	2.26	+/-15	U	30.0	P	08/13/2025	17:50	LB136801
	Copper	4.60	+/-10	U	20.0	P	08/13/2025	17:50	LB136801
	Iron	23.4	+/-50	U	100	P	08/13/2025	17:50	LB136801
	Lead	2.30	+/-6	U	12.0	P	08/13/2025	17:50	LB136801
	Magnesium	244	+/-1000	U	2000	P	08/13/2025	17:50	LB136801
	Manganese	5.94	+/-10	U	20.0	P	08/13/2025	17:50	LB136801
	Nickel	3.06	+/-20	U	40.0	P	08/13/2025	17:50	LB136801
	Potassium	918	+/-1000	U	2000	P	08/13/2025	17:50	LB136801
	Selenium	9.64	+/-10	U	20.0	P	08/13/2025	17:50	LB136801
	Silver	1.62	+/-5	U	10.0	P	08/13/2025	17:50	LB136801
	Sodium	868	+/-1000	U	2000	P	08/13/2025	17:50	LB136801
	Thallium	4.38	+/-20	U	40.0	P	08/13/2025	17:50	LB136801
	Vanadium	6.26	+/-20	U	40.0	P	08/13/2025	17:50	LB136801
	Zinc	16.7	+/-20	U	40.0	P	08/13/2025	17:50	LB136801

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Metals
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PREPARATION BLANK SUMMARY

Client: Earth Engineering Inc. **SDG No.:** Q2818

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB169204BL		**SOLID**		**Batch Number:**	**PB169204**		**Prep Date:**	**08/11/2025**	
	Mercury	0.0080	<0.014	U	0.014	CV	08/12/2025	10:46	LB136782

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Earth Engineering Inc. **SDG No.:** Q2818

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB169211BL		**SOLID**		**Batch Number:**	**PB169211**		**Prep Date:**	**08/12/2025**	
	Aluminum	0.84	<2.5	U	5.00	P	08/13/2025	15:06	LB136801
	Antimony	0.22	<1.25	U	2.50	P	08/13/2025	15:06	LB136801
	Arsenic	0.19	<0.5	U	1.00	P	08/13/2025	15:06	LB136801
	Barium	0.73	<2.5	U	5.00	P	08/13/2025	15:06	LB136801
	Beryllium	0.025	<0.15	U	0.30	P	08/13/2025	15:06	LB136801
	Cadmium	0.024	<0.15	U	0.30	P	08/13/2025	15:06	LB136801
	Calcium	11.1	<50	U	100	P	08/13/2025	15:06	LB136801
	Chromium	0.047	<0.25	U	0.50	P	08/13/2025	15:06	LB136801
	Cobalt	0.10	<0.75	U	1.50	P	08/13/2025	15:06	LB136801
	Copper	0.22	<0.5	U	1.00	P	08/13/2025	15:06	LB136801
	Iron	3.99	<2.5	U	5.00	P	08/13/2025	15:06	LB136801
	Lead	0.13	<0.3	U	0.60	P	08/13/2025	15:06	LB136801
	Magnesium	12.0	<50	U	100	P	08/13/2025	15:06	LB136801
	Manganese	0.14	<0.5	U	1.00	P	08/13/2025	15:06	LB136801
	Nickel	0.13	<1	U	2.00	P	08/13/2025	15:06	LB136801
	Potassium	27.7	<50	U	100	P	08/13/2025	15:06	LB136801
	Selenium	0.26	<0.5	U	1.00	P	08/13/2025	15:06	LB136801
	Silver	0.12	<0.25	U	0.50	P	08/13/2025	15:06	LB136801
	Sodium	17.8	<50	U	100	P	08/13/2025	15:06	LB136801
	Thallium	0.23	<1	U	2.00	P	08/13/2025	15:06	LB136801
	Vanadium	0.25	<1	U	2.00	P	08/13/2025	15:06	LB136801
	Zinc	0.23	<1	U	2.00	P	08/13/2025	15:06	LB136801

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV08	Mercury	4.39	4.0	110	90 - 110	CV	08/12/2025	09:56	LB136782

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV22	Mercury	5.22	5.0	104	90 - 110	CV	08/12/2025	10:03	LB136782
CCV23	Mercury	5.26	5.0	105	90 - 110	CV	08/12/2025	11:11	LB136782
CCV24	Mercury	5.28	5.0	106	90 - 110	CV	08/12/2025	11:51	LB136782
CCV25	Mercury	5.14	5.0	103	90 - 110	CV	08/12/2025	12:32	LB136782
CCV26	Mercury	4.84	5.0	97	90 - 110	CV	08/12/2025	12:55	LB136782

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	7680	8000	96	90 - 110	P	08/13/2025	12:21	LB136801
	Antimony	4000	4000	100	90 - 110	P	08/13/2025	12:21	LB136801
	Arsenic	3870	4000	97	90 - 110	P	08/13/2025	12:21	LB136801
	Barium	7790	8000	97	90 - 110	P	08/13/2025	12:21	LB136801
	Beryllium	189	200	95	90 - 110	P	08/13/2025	12:21	LB136801
	Cadmium	1920	2000	96	90 - 110	P	08/13/2025	12:21	LB136801
	Calcium	19200	20000	96	90 - 110	P	08/13/2025	12:21	LB136801
	Chromium	788	800	98	90 - 110	P	08/13/2025	12:21	LB136801
	Cobalt	1950	2000	98	90 - 110	P	08/13/2025	12:21	LB136801
	Copper	997	1000	100	90 - 110	P	08/13/2025	12:21	LB136801
	Iron	3950	4000	99	90 - 110	P	08/13/2025	12:21	LB136801
	Lead	3770	4000	94	90 - 110	P	08/13/2025	12:21	LB136801
	Magnesium	19100	20000	96	90 - 110	P	08/13/2025	12:21	LB136801
	Manganese	1920	2000	96	90 - 110	P	08/13/2025	12:21	LB136801
	Nickel	1950	2000	97	90 - 110	P	08/13/2025	12:21	LB136801
	Potassium	19400	20000	97	90 - 110	P	08/13/2025	12:21	LB136801
	Selenium	3880	4000	97	90 - 110	P	08/13/2025	12:21	LB136801
	Silver	1030	1000	103	90 - 110	P	08/13/2025	12:21	LB136801
	Sodium	19100	20000	96	90 - 110	P	08/13/2025	12:21	LB136801
	Thallium	3750	4000	94	90 - 110	P	08/13/2025	12:21	LB136801
	Vanadium	1940	2000	97	90 - 110	P	08/13/2025	12:21	LB136801
	Zinc	1950	2000	98	90 - 110	P	08/13/2025	12:21	LB136801

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	95.1	100	95	80 - 120	P	08/13/2025	12:28	LB136801
	Antimony	50.1	50.0	100	80 - 120	P	08/13/2025	12:28	LB136801
	Arsenic	21.3	20.0	106	80 - 120	P	08/13/2025	12:28	LB136801
	Barium	94.7	100	95	80 - 120	P	08/13/2025	12:28	LB136801
	Beryllium	6.08	6.0	101	80 - 120	P	08/13/2025	12:28	LB136801
	Cadmium	5.59	6.0	93	80 - 120	P	08/13/2025	12:28	LB136801
	Calcium	2040	2000	102	80 - 120	P	08/13/2025	12:28	LB136801
	Chromium	10.5	10.0	105	80 - 120	P	08/13/2025	12:28	LB136801
	Cobalt	29.4	30.0	98	80 - 120	P	08/13/2025	12:28	LB136801
	Copper	21.3	20.0	107	80 - 120	P	08/13/2025	12:28	LB136801
	Iron	107	100	107	80 - 120	P	08/13/2025	12:28	LB136801
	Lead	11.2	12.0	93	80 - 120	P	08/13/2025	12:28	LB136801
	Magnesium	2120	2000	106	80 - 120	P	08/13/2025	12:28	LB136801
	Manganese	21.0	20.0	105	80 - 120	P	08/13/2025	12:28	LB136801
	Nickel	39.6	40.0	99	80 - 120	P	08/13/2025	12:28	LB136801
	Potassium	1990	2000	100	80 - 120	P	08/13/2025	12:28	LB136801
	Selenium	19.2	20.0	96	80 - 120	P	08/13/2025	12:28	LB136801
	Silver	10.1	10.0	101	80 - 120	P	08/13/2025	12:28	LB136801
	Sodium	1850	2000	92	80 - 120	P	08/13/2025	12:28	LB136801
	Thallium	43.0	40.0	107	80 - 120	P	08/13/2025	12:28	LB136801
	Vanadium	38.9	40.0	97	80 - 120	P	08/13/2025	12:28	LB136801
	Zinc	42.4	40.0	106	80 - 120	P	08/13/2025	12:28	LB136801

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9630	10000	96	90 - 110	P	08/13/2025	12:58	LB136801
	Antimony	4930	5000	99	90 - 110	P	08/13/2025	12:58	LB136801
	Arsenic	4900	5000	98	90 - 110	P	08/13/2025	12:58	LB136801
	Barium	9640	10000	96	90 - 110	P	08/13/2025	12:58	LB136801
	Beryllium	240	250	96	90 - 110	P	08/13/2025	12:58	LB136801
	Cadmium	2430	2500	97	90 - 110	P	08/13/2025	12:58	LB136801
	Calcium	24100	25000	96	90 - 110	P	08/13/2025	12:58	LB136801
	Chromium	1000	1000	100	90 - 110	P	08/13/2025	12:58	LB136801
	Cobalt	2420	2500	97	90 - 110	P	08/13/2025	12:58	LB136801
	Copper	1230	1250	98	90 - 110	P	08/13/2025	12:58	LB136801
	Iron	5030	5000	101	90 - 110	P	08/13/2025	12:58	LB136801
	Lead	4860	5000	97	90 - 110	P	08/13/2025	12:58	LB136801
	Magnesium	24000	25000	96	90 - 110	P	08/13/2025	12:58	LB136801
	Manganese	2390	2500	96	90 - 110	P	08/13/2025	12:58	LB136801
	Nickel	2430	2500	97	90 - 110	P	08/13/2025	12:58	LB136801
	Potassium	25000	25000	100	90 - 110	P	08/13/2025	12:58	LB136801
	Selenium	4930	5000	98	90 - 110	P	08/13/2025	12:58	LB136801
	Silver	1230	1250	99	90 - 110	P	08/13/2025	12:58	LB136801
	Sodium	24600	25000	99	90 - 110	P	08/13/2025	12:58	LB136801
	Thallium	4820	5000	96	90 - 110	P	08/13/2025	12:58	LB136801
	Vanadium	2420	2500	97	90 - 110	P	08/13/2025	12:58	LB136801
	Zinc	2490	2500	99	90 - 110	P	08/13/2025	12:58	LB136801
CCV02	Aluminum	9700	10000	97	90 - 110	P	08/13/2025	13:42	LB136801
	Antimony	4970	5000	99	90 - 110	P	08/13/2025	13:42	LB136801
	Arsenic	4950	5000	99	90 - 110	P	08/13/2025	13:42	LB136801
	Barium	9660	10000	97	90 - 110	P	08/13/2025	13:42	LB136801
	Beryllium	240	250	96	90 - 110	P	08/13/2025	13:42	LB136801
	Cadmium	2430	2500	97	90 - 110	P	08/13/2025	13:42	LB136801
	Calcium	24200	25000	97	90 - 110	P	08/13/2025	13:42	LB136801
	Chromium	987	1000	99	90 - 110	P	08/13/2025	13:42	LB136801
	Cobalt	2430	2500	97	90 - 110	P	08/13/2025	13:42	LB136801
	Copper	1230	1250	99	90 - 110	P	08/13/2025	13:42	LB136801
	Iron	4980	5000	100	90 - 110	P	08/13/2025	13:42	LB136801
	Lead	4850	5000	97	90 - 110	P	08/13/2025	13:42	LB136801

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24100	25000	96	90 - 110	P	08/13/2025	13:42	LB136801
	Manganese	2420	2500	97	90 - 110	P	08/13/2025	13:42	LB136801
	Nickel	2430	2500	97	90 - 110	P	08/13/2025	13:42	LB136801
	Potassium	24600	25000	98	90 - 110	P	08/13/2025	13:42	LB136801
	Selenium	4980	5000	100	90 - 110	P	08/13/2025	13:42	LB136801
	Silver	1240	1250	99	90 - 110	P	08/13/2025	13:42	LB136801
	Sodium	24100	25000	96	90 - 110	P	08/13/2025	13:42	LB136801
	Thallium	4960	5000	99	90 - 110	P	08/13/2025	13:42	LB136801
	Vanadium	2450	2500	98	90 - 110	P	08/13/2025	13:42	LB136801
	Zinc	2460	2500	98	90 - 110	P	08/13/2025	13:42	LB136801
CCV03	Aluminum	9650	10000	96	90 - 110	P	08/13/2025	14:33	LB136801
	Antimony	5020	5000	100	90 - 110	P	08/13/2025	14:33	LB136801
	Arsenic	4990	5000	100	90 - 110	P	08/13/2025	14:33	LB136801
	Barium	9670	10000	97	90 - 110	P	08/13/2025	14:33	LB136801
	Beryllium	238	250	95	90 - 110	P	08/13/2025	14:33	LB136801
	Cadmium	2430	2500	97	90 - 110	P	08/13/2025	14:33	LB136801
	Calcium	24100	25000	96	90 - 110	P	08/13/2025	14:33	LB136801
	Chromium	993	1000	99	90 - 110	P	08/13/2025	14:33	LB136801
	Cobalt	2430	2500	97	90 - 110	P	08/13/2025	14:33	LB136801
	Copper	1240	1250	99	90 - 110	P	08/13/2025	14:33	LB136801
	Iron	5010	5000	100	90 - 110	P	08/13/2025	14:33	LB136801
	Lead	4860	5000	97	90 - 110	P	08/13/2025	14:33	LB136801
	Magnesium	23900	25000	96	90 - 110	P	08/13/2025	14:33	LB136801
	Manganese	2390	2500	96	90 - 110	P	08/13/2025	14:33	LB136801
	Nickel	2440	2500	98	90 - 110	P	08/13/2025	14:33	LB136801
	Potassium	24700	25000	99	90 - 110	P	08/13/2025	14:33	LB136801
	Selenium	5020	5000	100	90 - 110	P	08/13/2025	14:33	LB136801
	Silver	1240	1250	99	90 - 110	P	08/13/2025	14:33	LB136801
	Sodium	23300	25000	93	90 - 110	P	08/13/2025	14:33	LB136801
	Thallium	4820	5000	96	90 - 110	P	08/13/2025	14:33	LB136801
	Vanadium	2450	2500	98	90 - 110	P	08/13/2025	14:33	LB136801
	Zinc	2480	2500	99	90 - 110	P	08/13/2025	14:33	LB136801
CCV04	Aluminum	9760	10000	98	90 - 110	P	08/13/2025	15:23	LB136801
	Antimony	5060	5000	101	90 - 110	P	08/13/2025	15:23	LB136801

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	5010	5000	100	90 - 110	P	08/13/2025	15:23	LB136801
	Barium	9660	10000	97	90 - 110	P	08/13/2025	15:23	LB136801
	Beryllium	239	250	96	90 - 110	P	08/13/2025	15:23	LB136801
	Cadmium	2430	2500	97	90 - 110	P	08/13/2025	15:23	LB136801
	Calcium	24300	25000	97	90 - 110	P	08/13/2025	15:23	LB136801
	Chromium	991	1000	99	90 - 110	P	08/13/2025	15:23	LB136801
	Cobalt	2430	2500	97	90 - 110	P	08/13/2025	15:23	LB136801
	Copper	1240	1250	99	90 - 110	P	08/13/2025	15:23	LB136801
	Iron	5000	5000	100	90 - 110	P	08/13/2025	15:23	LB136801
	Lead	4860	5000	97	90 - 110	P	08/13/2025	15:23	LB136801
	Magnesium	24200	25000	97	90 - 110	P	08/13/2025	15:23	LB136801
	Manganese	2390	2500	96	90 - 110	P	08/13/2025	15:23	LB136801
	Nickel	2440	2500	98	90 - 110	P	08/13/2025	15:23	LB136801
	Potassium	24700	25000	99	90 - 110	P	08/13/2025	15:23	LB136801
	Selenium	5070	5000	101	90 - 110	P	08/13/2025	15:23	LB136801
	Silver	1240	1250	99	90 - 110	P	08/13/2025	15:23	LB136801
	Sodium	23700	25000	95	90 - 110	P	08/13/2025	15:23	LB136801
	Thallium	4760	5000	95	90 - 110	P	08/13/2025	15:23	LB136801
	Vanadium	2470	2500	99	90 - 110	P	08/13/2025	15:23	LB136801
	Zinc	2500	2500	100	90 - 110	P	08/13/2025	15:23	LB136801
CCV05	Aluminum	9690	10000	97	90 - 110	P	08/13/2025	16:14	LB136801
	Antimony	5090	5000	102	90 - 110	P	08/13/2025	16:14	LB136801
	Arsenic	5010	5000	100	90 - 110	P	08/13/2025	16:14	LB136801
	Barium	9840	10000	98	90 - 110	P	08/13/2025	16:14	LB136801
	Beryllium	235	250	94	90 - 110	P	08/13/2025	16:14	LB136801
	Cadmium	2400	2500	96	90 - 110	P	08/13/2025	16:14	LB136801
	Calcium	24100	25000	96	90 - 110	P	08/13/2025	16:14	LB136801
	Chromium	991	1000	99	90 - 110	P	08/13/2025	16:14	LB136801
	Cobalt	2420	2500	97	90 - 110	P	08/13/2025	16:14	LB136801
	Copper	1240	1250	100	90 - 110	P	08/13/2025	16:14	LB136801
	Iron	5090	5000	102	90 - 110	P	08/13/2025	16:14	LB136801
	Lead	4810	5000	96	90 - 110	P	08/13/2025	16:14	LB136801
	Magnesium	23800	25000	95	90 - 110	P	08/13/2025	16:14	LB136801
	Manganese	2380	2500	95	90 - 110	P	08/13/2025	16:14	LB136801

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2430	2500	97	90 - 110	P	08/13/2025	16:14	LB136801
	Potassium	25000	25000	100	90 - 110	P	08/13/2025	16:14	LB136801
	Selenium	5070	5000	101	90 - 110	P	08/13/2025	16:14	LB136801
	Silver	1250	1250	100	90 - 110	P	08/13/2025	16:14	LB136801
	Sodium	23800	25000	95	90 - 110	P	08/13/2025	16:14	LB136801
	Thallium	4540	5000	91	90 - 110	P	08/13/2025	16:14	LB136801
	Vanadium	2460	2500	98	90 - 110	P	08/13/2025	16:14	LB136801
	Zinc	2510	2500	101	90 - 110	P	08/13/2025	16:14	LB136801
CCV06	Aluminum	9690	10000	97	90 - 110	P	08/13/2025	17:05	LB136801
	Antimony	5110	5000	102	90 - 110	P	08/13/2025	17:05	LB136801
	Arsenic	5040	5000	101	90 - 110	P	08/13/2025	17:05	LB136801
	Barium	9810	10000	98	90 - 110	P	08/13/2025	17:05	LB136801
	Beryllium	238	250	95	90 - 110	P	08/13/2025	17:05	LB136801
	Cadmium	2420	2500	97	90 - 110	P	08/13/2025	17:05	LB136801
	Calcium	24100	25000	97	90 - 110	P	08/13/2025	17:05	LB136801
	Chromium	988	1000	99	90 - 110	P	08/13/2025	17:05	LB136801
	Cobalt	2430	2500	97	90 - 110	P	08/13/2025	17:05	LB136801
	Copper	1250	1250	100	90 - 110	P	08/13/2025	17:05	LB136801
	Iron	5070	5000	102	90 - 110	P	08/13/2025	17:05	LB136801
	Lead	4850	5000	97	90 - 110	P	08/13/2025	17:05	LB136801
	Magnesium	24000	25000	96	90 - 110	P	08/13/2025	17:05	LB136801
	Manganese	2400	2500	96	90 - 110	P	08/13/2025	17:05	LB136801
	Nickel	2440	2500	98	90 - 110	P	08/13/2025	17:05	LB136801
	Potassium	24800	25000	99	90 - 110	P	08/13/2025	17:05	LB136801
	Selenium	5150	5000	103	90 - 110	P	08/13/2025	17:05	LB136801
	Silver	1260	1250	100	90 - 110	P	08/13/2025	17:05	LB136801
	Sodium	23300	25000	93	90 - 110	P	08/13/2025	17:05	LB136801
	Thallium	5380	5000	108	90 - 110	P	08/13/2025	17:05	LB136801
	Vanadium	2460	2500	98	90 - 110	P	08/13/2025	17:05	LB136801
	Zinc	2520	2500	101	90 - 110	P	08/13/2025	17:05	LB136801
CCV07	Aluminum	9840	10000	98	90 - 110	P	08/13/2025	17:46	LB136801
	Antimony	5120	5000	102	90 - 110	P	08/13/2025	17:46	LB136801
	Arsenic	5060	5000	101	90 - 110	P	08/13/2025	17:46	LB136801
	Barium	9850	10000	98	90 - 110	P	08/13/2025	17:46	LB136801

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	241	250	96	90 - 110	P	08/13/2025	17:46	LB136801
	Cadmium	2440	2500	98	90 - 110	P	08/13/2025	17:46	LB136801
	Calcium	24600	25000	98	90 - 110	P	08/13/2025	17:46	LB136801
	Chromium	1010	1000	101	90 - 110	P	08/13/2025	17:46	LB136801
	Cobalt	2450	2500	98	90 - 110	P	08/13/2025	17:46	LB136801
	Copper	1250	1250	100	90 - 110	P	08/13/2025	17:46	LB136801
	Iron	5140	5000	103	90 - 110	P	08/13/2025	17:46	LB136801
	Lead	4880	5000	98	90 - 110	P	08/13/2025	17:46	LB136801
	Magnesium	24400	25000	98	90 - 110	P	08/13/2025	17:46	LB136801
	Manganese	2430	2500	97	90 - 110	P	08/13/2025	17:46	LB136801
	Nickel	2460	2500	98	90 - 110	P	08/13/2025	17:46	LB136801
	Potassium	24800	25000	99	90 - 110	P	08/13/2025	17:46	LB136801
	Selenium	5160	5000	103	90 - 110	P	08/13/2025	17:46	LB136801
	Silver	1260	1250	100	90 - 110	P	08/13/2025	17:46	LB136801
	Sodium	23600	25000	95	90 - 110	P	08/13/2025	17:46	LB136801
	Thallium	5360	5000	107	90 - 110	P	08/13/2025	17:46	LB136801
	Vanadium	2490	2500	100	90 - 110	P	08/13/2025	17:46	LB136801
	Zinc	2530	2500	101	90 - 110	P	08/13/2025	17:46	LB136801

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.23	0.2	113	70 - 130	CV	08/12/2025	10:34	LB136782
CRI01	Aluminum	92.9	100	93	65 - 135	P	08/13/2025	12:37	LB136801
	Antimony	50.2	50.0	100	65 - 135	P	08/13/2025	12:37	LB136801
	Arsenic	20.6	20.0	103	65 - 135	P	08/13/2025	12:37	LB136801
	Barium	93.9	100	94	65 - 135	P	08/13/2025	12:37	LB136801
	Beryllium	6.01	6.0	100	65 - 135	P	08/13/2025	12:37	LB136801
	Cadmium	5.49	6.0	92	65 - 135	P	08/13/2025	12:37	LB136801
	Calcium	2010	2000	100	65 - 135	P	08/13/2025	12:37	LB136801
	Chromium	10.00	10.0	100	65 - 135	P	08/13/2025	12:37	LB136801
	Cobalt	29.0	30.0	97	65 - 135	P	08/13/2025	12:37	LB136801
	Copper	20.9	20.0	104	65 - 135	P	08/13/2025	12:37	LB136801
	Iron	95.9	100	96	65 - 135	P	08/13/2025	12:37	LB136801
	Lead	10.0	12.0	83	65 - 135	P	08/13/2025	12:37	LB136801
	Magnesium	2120	2000	106	65 - 135	P	08/13/2025	12:37	LB136801
	Manganese	20.8	20.0	104	65 - 135	P	08/13/2025	12:37	LB136801
	Nickel	38.7	40.0	97	65 - 135	P	08/13/2025	12:37	LB136801
	Potassium	1930	2000	97	65 - 135	P	08/13/2025	12:37	LB136801
	Selenium	21.1	20.0	106	65 - 135	P	08/13/2025	12:37	LB136801
	Silver	10.3	10.0	103	65 - 135	P	08/13/2025	12:37	LB136801
	Sodium	1810	2000	91	65 - 135	P	08/13/2025	12:37	LB136801
	Thallium	40.7	40.0	102	65 - 135	P	08/13/2025	12:37	LB136801
	Vanadium	42.3	40.0	106	65 - 135	P	08/13/2025	12:37	LB136801
	Zinc	41.0	40.0	102	65 - 135	P	08/13/2025	12:37	LB136801

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

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	240000	255000	94	216000	294000	08/13/2025	12:41	LB136801
	Antimony	-4.82			-50	50	08/13/2025	12:41	LB136801
	Arsenic	13.5			-20	20	08/13/2025	12:41	LB136801
	Barium	-0.47	6.0	8	-94	106	08/13/2025	12:41	LB136801
	Beryllium	1.31			-6	6	08/13/2025	12:41	LB136801
	Cadmium	2.33	1.0	233	-5	7	08/13/2025	12:41	LB136801
	Calcium	229000	245000	94	208000	282000	08/13/2025	12:41	LB136801
	Chromium	58.2	52.0	112	42	62	08/13/2025	12:41	LB136801
	Cobalt	1.85			-30	30	08/13/2025	12:41	LB136801
	Copper	4.82	2.0	241	-18	22	08/13/2025	12:41	LB136801
	Iron	99200	101000	98	85600	116500	08/13/2025	12:41	LB136801
	Lead	-6.38			-12	12	08/13/2025	12:41	LB136801
	Magnesium	243000	255000	95	216000	294000	08/13/2025	12:41	LB136801
	Manganese	8.17	7.0	117	-13	27	08/13/2025	12:41	LB136801
	Nickel	5.22	2.0	261	-38	42	08/13/2025	12:41	LB136801
	Potassium	-4.10			0	0	08/13/2025	12:41	LB136801
	Selenium	2.91			-20	20	08/13/2025	12:41	LB136801
	Silver	2.33			-10	10	08/13/2025	12:41	LB136801
	Sodium	3.06			0	0	08/13/2025	12:41	LB136801
	Thallium	2.91			-40	40	08/13/2025	12:41	LB136801
	Vanadium	3.65			-40	40	08/13/2025	12:41	LB136801
	Zinc	2.20			-40	40	08/13/2025	12:41	LB136801
ICSAB01	Aluminum	247000	247000	100	209000	285000	08/13/2025	12:45	LB136801
	Antimony	588	618	95	525	711	08/13/2025	12:45	LB136801
	Arsenic	111	104	107	88.4	120	08/13/2025	12:45	LB136801
	Barium	492	537	92	437	637	08/13/2025	12:45	LB136801
	Beryllium	487	495	98	420	570	08/13/2025	12:45	LB136801
	Cadmium	994	972	102	826	1120	08/13/2025	12:45	LB136801
	Calcium	236000	235000	100	199000	271000	08/13/2025	12:45	LB136801
	Chromium	558	542	103	460	624	08/13/2025	12:45	LB136801
	Cobalt	498	476	105	404	548	08/13/2025	12:45	LB136801
	Copper	486	511	95	434	588	08/13/2025	12:45	LB136801
	Iron	102000	99300	103	84400	114500	08/13/2025	12:45	LB136801
	Lead	42.2	49.0	86	37	61	08/13/2025	12:45	LB136801
	Magnesium	250000	248000	101	210000	286000	08/13/2025	12:45	LB136801
	Manganese	493	507	97	430	584	08/13/2025	12:45	LB136801
	Nickel	992	954	104	810	1100	08/13/2025	12:45	LB136801
	Potassium	42.9			0	0	08/13/2025	12:45	LB136801
	Selenium	50.5	46.0	110	26	66	08/13/2025	12:45	LB136801
	Silver	216	201	108	170	232	08/13/2025	12:45	LB136801
	Sodium	-3.58			0	0	08/13/2025	12:45	LB136801
	Thallium	113	108	105	68	148	08/13/2025	12:45	LB136801

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

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	479	491	98	417	565	08/13/2025	12:45	LB136801
	Zinc	1040	952	109	809	1095	08/13/2025	12:45	LB136801

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: Earth Engineering Inc. **level:** low **sdg no.:** Q2818

contract: EARTH03 **lab code:** ACE

matrix: Solid **sample id:** Q2828-01 **client id:** POWDERMS

Percent Solids for Sample: 99.4 **Spiked ID:** Q2828-01MS **Percent Solids for Spike Sample:** 99.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	74 - 119	9300		7750		82.1	1892		P
Antimony	mg/Kg	79 - 114	12.2		4.95		32.9	22	N	P
Arsenic	mg/Kg	82 - 111	17.9		5.28		32.9	38	N	P
Barium	mg/Kg	83 - 113	117		123		8.2	-68		P
Beryllium	mg/Kg	83 - 113	3.99		0.95		8.2	37	N	P
Cadmium	mg/Kg	82 - 113	12.5		4.95		8.2	93		P
Calcium	mg/Kg	81 - 116	10400		8670		41.1	4260		P
Chromium	mg/Kg	85 - 113	62.4		60.9		16.4	9	N	P
Cobalt	mg/Kg	85 - 112	47.2		40.3		8.2	84		P
Copper	mg/Kg	81 - 117	80.6		76.1		12.3	37		P
Iron	mg/Kg	81 - 118	10200		12000		120	-1436		P
Lead	mg/Kg	81 - 112	110		71.4		41.1	95		P
Magnesium	mg/Kg	78 - 115	1470		1200		82.1	323		P
Manganese	mg/Kg	84 - 114	219		207		8.2	147		P
Nickel	mg/Kg	83 - 113	157		143		20.5	70		P
Potassium	mg/Kg	81 - 116	551		309		410	59	N	P
Selenium	mg/Kg	78 - 111	30.0		0.51	J	82.1	36	N	P
Silver	mg/Kg	82 - 112	3.22		1.58		3.1	53	N	P
Sodium	mg/Kg	83 - 118	1030		872		120	128		P
Thallium	mg/Kg	83 - 111	67.0		0.43	J	82.1	81	N	P
Vanadium	mg/Kg	82 - 114	56.1		31.8		12.3	197	N	P
Zinc	mg/Kg	82 - 113	244		240		8.2	46		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Earth Engineering Inc. **level:** low **sdg no.:** Q2818

contract: EARTH03 **lab code:** ACE

matrix: Solid **sample id:** Q2828-01 **client id:** POWDERMSD

Percent Solids for Sample: 99.4 **Spiked ID:** Q2828-01MSD **Percent Solids for Spike Sample:** 99.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	74 - 119	10600		7750		87.5	3219		P
Antimony	mg/Kg	79 - 114	10.5		4.95		35.0	16	N	P
Arsenic	mg/Kg	82 - 111	20.2		5.28		35.0	43	N	P
Barium	mg/Kg	83 - 113	120		123		8.7	-28		P
Beryllium	mg/Kg	83 - 113	4.64		0.95		8.7	43	N	P
Cadmium	mg/Kg	82 - 113	13.8		4.95		8.7	101		P
Calcium	mg/Kg	81 - 116	12400		8670		43.7	8468		P
Chromium	mg/Kg	85 - 113	76.4		60.9		17.5	88		P
Cobalt	mg/Kg	85 - 112	52.6		40.3		8.7	142		P
Copper	mg/Kg	81 - 117	84.2		76.1		13.1	61		P
Iron	mg/Kg	81 - 118	12600		12000		130	492		P
Lead	mg/Kg	81 - 112	116		71.4		43.7	102		P
Magnesium	mg/Kg	78 - 115	1710		1200		87.5	575		P
Manganese	mg/Kg	84 - 114	251		207		8.7	505		P
Nickel	mg/Kg	83 - 113	178		143		21.9	163		P
Potassium	mg/Kg	81 - 116	582		309		440	62	N	P
Selenium	mg/Kg	78 - 111	34.3		0.51	J	87.5	39	N	P
Silver	mg/Kg	82 - 112	3.45		1.58		3.3	57	N	P
Sodium	mg/Kg	83 - 118	1050		872		130	141		P
Thallium	mg/Kg	83 - 111	75.0		0.43	J	87.5	85		P
Vanadium	mg/Kg	82 - 114	41.4		31.8		13.1	73	N	P
Zinc	mg/Kg	82 - 113	250		240		8.7	115		P

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metals
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MATRIX SPIKE SUMMARY

client: Earth Engineering Inc. **level:** low **sdg no.:** Q2818

contract: EARTH03 **lab code:** ACE

matrix: Solid **sample id:** Q2831-01 **client id:** VNJ-238MS

Percent Solids for Sample: 93.1 **Spiked ID:** Q2831-01MS **Percent Solids for Spike Sample:** 93.1

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.29		0.037		0.26	97		CV

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Earth Engineering Inc. **level:** low **sdg no.:** Q2818

contract: EARTH03 **lab code:** ACE

matrix: Solid **sample id:** Q2831-01 **client id:** VNJ-238MSD

Percent Solids for Sample: 93.1 **Spiked ID:** Q2831-01MSD **Percent Solids for Spike Sample:** 93.1

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.30		0.037		0.28	92		CV

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Metals
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POST DIGEST SPIKE SUMMARY

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Matrix: Solid **Level:** LOW **Client ID:** POWDERA

Sample ID: Q2828-01 **Spiked ID:** Q2828-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	79 - 114	23.9		4.95		37.3	51	N	P
Arsenic	mg/Kg	82 - 111	23.2		5.28		37.3	48	N	P
Beryllium	mg/Kg	83 - 113	5.02		0.95		9.30	44	N	P
Chromium	mg/Kg	85 - 113	68.9		60.9		18.6	43	N	P
Potassium	mg/Kg	81 - 116	575		309		470	57	N	P
Selenium	mg/Kg	78 - 111	44.6		0.51	J	93.2	47	N	P
Silver	mg/Kg	82 - 112	3.46		1.58		3.50	54	N	P
Thallium	mg/Kg	83 - 111	80.5		0.43	J	93.2	86		P
Vanadium	mg/Kg	82 - 114	38.6		31.8		14.0	49	N	P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Earth Engineering Inc. **Level:** LOW **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q2828-01 **Client ID:** POWDERDUP

Percent Solids for Sample: 99.4 **Duplicate ID** Q2828-01DUP **Percent Solids for Spike Sample:** 99.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	7750		7150		8		P
Antimony	mg/Kg	20	4.95		4.87		2		P
Arsenic	mg/Kg	20	5.28		5.00		5		P
Barium	mg/Kg	20	123		112		9		P
Beryllium	mg/Kg	20	0.95		0.88		7		P
Cadmium	mg/Kg	20	4.95		4.56		8		P
Calcium	mg/Kg	20	8670		8040		8		P
Chromium	mg/Kg	20	60.9		55.8		9		P
Cobalt	mg/Kg	20	40.3		36.8		9		P
Copper	mg/Kg	20	76.1		71.4		6		P
Iron	mg/Kg	20	12000		11000		9		P
Lead	mg/Kg	20	71.4		66.2		8		P
Magnesium	mg/Kg	20	1200		1120		7		P
Manganese	mg/Kg	20	207		192		8		P
Nickel	mg/Kg	20	143		131		9		P
Potassium	mg/Kg	20	309		285		8		P
Selenium	mg/Kg	20	0.51	J	0.58	J	14		P
Silver	mg/Kg	20	1.58		1.47		7		P
Sodium	mg/Kg	20	872		806		8		P
Thallium	mg/Kg	20	0.43	J	0.64	J	40		P
Vanadium	mg/Kg	20	31.8		29.6		7		P
Zinc	mg/Kg	20	240		222		8		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Earth Engineering Inc. **Level:** LOW **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q2828-01MS **Client ID:** POWDERMSD

Percent Solids for Sample: 99.4 **Duplicate ID** Q2828-01MSD **Percent Solids for Spike Sample:** 99.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	9300		10600		13		P
Antimony	mg/Kg	20	12.2		10.5		15		P
Arsenic	mg/Kg	20	17.9		20.2		12		P
Barium	mg/Kg	20	117		120		3		P
Beryllium	mg/Kg	20	3.99		4.64		15		P
Cadmium	mg/Kg	20	12.5		13.8		10		P
Calcium	mg/Kg	20	10400		12400		18		P
Chromium	mg/Kg	20	62.4		76.4		20		P
Cobalt	mg/Kg	20	47.2		52.6		11		P
Copper	mg/Kg	20	80.6		84.2		4		P
Iron	mg/Kg	20	10200		12600		21	*	P
Lead	mg/Kg	20	110		116		5		P
Magnesium	mg/Kg	20	1470		1710		15		P
Manganese	mg/Kg	20	219		251		14		P
Nickel	mg/Kg	20	157		178		13		P
Potassium	mg/Kg	20	551		582		5		P
Selenium	mg/Kg	20	30.0		34.3		13		P
Silver	mg/Kg	20	3.22		3.45		7		P
Sodium	mg/Kg	20	1030		1050		2		P
Thallium	mg/Kg	20	67.0		75.0		11		P
Vanadium	mg/Kg	20	56.1		41.4		30	*	P
Zinc	mg/Kg	20	244		250		2		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Earth Engineering Inc. **Level:** LOW **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q2831-01 **Client ID:** VNJ-238DUP

Percent Solids for Sample: 93.1 **Duplicate ID** Q2831-01DUP **Percent Solids for Spike Sample:** 93.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.037		0.040		8		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Earth Engineering Inc. **Level:** LOW **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q2831-01MS **Client ID:** VNJ-238MSD

Percent Solids for Sample: 93.1 **Duplicate ID** Q2831-01MSD **Percent Solids for Spike Sample:** 93.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.29		0.30		2		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169204BS							
Mercury	mg/Kg	0.27	0.23		85	80 - 124	CV

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169211BS							
Aluminum	mg/Kg	100	98.1		98	74 - 119	P
Antimony	mg/Kg	40.0	40.7		102	79 - 114	P
Arsenic	mg/Kg	40.0	39.2		98	82 - 111	P
Barium	mg/Kg	10.0	9.27		93	83 - 113	P
Beryllium	mg/Kg	10.0	9.71		97	83 - 113	P
Cadmium	mg/Kg	10.0	9.41		94	82 - 113	P
Calcium	mg/Kg	50.0	49.9	J	100	81 - 116	P
Chromium	mg/Kg	20.0	20.3		102	85 - 113	P
Cobalt	mg/Kg	10.0	9.68		97	85 - 112	P
Copper	mg/Kg	15.0	15.4		103	81 - 117	P
Iron	mg/Kg	150	151		101	81 - 118	P
Lead	mg/Kg	50.0	47.4		95	81 - 112	P
Magnesium	mg/Kg	100	97.2	J	97	78 - 115	P
Manganese	mg/Kg	10.0	9.87		99	84 - 114	P
Nickel	mg/Kg	25.0	24.4		98	83 - 113	P
Potassium	mg/Kg	500	486		97	81 - 116	P
Selenium	mg/Kg	100	99.5		100	78 - 111	P
Silver	mg/Kg	3.8	3.78		100	82 - 112	P
Sodium	mg/Kg	150	138		92	83 - 118	P
Thallium	mg/Kg	100	97.7		98	83 - 111	P
Vanadium	mg/Kg	15.0	15.0		100	82 - 114	P
Zinc	mg/Kg	10.0	10.3		103	82 - 113	P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

POWDERL

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **Lb No.:** lb136801 **Lab Sample ID :** Q2828-01L **SDG No.:** Q2818

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	7750		13300		71		P
Antimony	4.95		8.21	J	66		P
Arsenic	5.28		8.73		65		P
Barium	123		208		69		P
Beryllium	0.95		1.70		80		P
Cadmium	4.95		3.90		21		P
Calcium	8670		15400		77		P
Chromium	60.9		109		78		P
Cobalt	40.3		39.1		3		P
Copper	76.1		139		82		P
Iron	12000		20300		70		P
Lead	71.4		72.9		2		P
Magnesium	1200		2170		80		P
Manganese	207		372		80		P
Nickel	143		142		0		P
Potassium	309		468		51		P
Selenium	0.51	J	4.66	U	100.0		P
Silver	1.58		2.85		81		P
Sodium	872		1270		46		P
Thallium	0.43	J	1.28	J	199		P
Vanadium	31.8		56.3		77		P
Zinc	240		435		81		P

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ICP SERIAL DILUTIONS

SAMPLE NO.

VNJ-238L

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **Lb No.:** lb136782 **Lab Sample ID :** Q2831-01L **SDG No.:** Q2818

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.037		0.070	U	100.0		CV

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ANALYSIS RUN LOG

Client: Earth Engineering Inc. **Contract:** EARTH03

Lab code: ACE **Sdg no.:** Q2818

Instrument id number: **Method:** **Run number:** LB136782

Start date: 08/12/2025 **End date:** 08/12/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0919	HG
S0.2	S0.2	1	0924	HG
S2.5	S2.5	1	0926	HG
S5	S5	1	0929	HG
S7.5	S7.5	1	0939	HG
S10	S10	1	0953	HG
ICV08	ICV08	1	0956	HG
ICB08	ICB08	1	1001	HG
CCV22	CCV22	1	1003	HG
CCB22	CCB22	1	1008	HG
CRA	CRA	1	1034	HG
PB169204BL	PB169204BL	1	1046	HG
PB169204BS	PB169204BS	1	1050	HG
Q2818-01	B-2-5-1	1	1103	HG
Q2818-02	B-3-5-2	1	1106	HG
CCV23	CCV23	1	1111	HG
CCB23	CCB23	1	1121	HG
CCV24	CCV24	1	1151	HG
CCB24	CCB24	1	1154	HG
Q2831-01DUP	VNJ-238DUP	1	1208	HG
Q2831-01MS	VNJ-238MS	1	1210	HG
Q2831-01MSD	VNJ-238MSD	1	1212	HG
Q2831-01L	VNJ-238L	5	1215	HG
CCV25	CCV25	1	1232	HG
CCB25	CCB25	1	1237	HG
CCV26	CCV26	1	1255	HG
CCB26	CCB26	1	1300	HG

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ANALYSIS RUN LOG

Client: Earth Engineering Inc. **Contract:** EARTH03

Lab code: ACE **Sdg no.:** Q2818

Instrument id number: **Method:** **Run number:** LB136801

Start date: 08/13/2025 **End date:** 08/13/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1156	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	1200	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	1204	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	1208	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	1212	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	1217	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	1221	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	1228	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	1233	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	1237	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	1241	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	1245	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	1258	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	1303	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2828-01DUP	POWDERDUP	1	1312	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2828-01L	POWDERL	5	1316	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2828-01MS	POWDERMS	1	1320	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2828-01MSD	POWDERMSD	1	1325	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2828-01A	POWDERA	1	1330	Ag,As,Be,Cr,K,Sb,Se,Tl,V
CCV02	CCV02	1	1342	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	1346	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2818-01	B-2-5-1	1	1411	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2818-02	B-3-5-2	1	1416	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	1433	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	1437	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169211BL	PB169211BL	1	1506	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169211BS	PB169211BS	1	1519	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1523	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	1527	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	1614	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	1619	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	1705	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	1709	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1746	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1750	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

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

Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	-0.0002060	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
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
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

Alliance TECHNICAL GROUP
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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000590	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: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	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: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-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:	Q2818	**OrderDate:**	8/11/2025 11:57:00 AM
Client:	Earth Engineering Inc.	**Project:**	Reserve Turgyan Farms
Contact:	Frank Dougherty, LSRP	**Location:**	J21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2818-01	**B-2-5-1**	**SOIL**			**08/11/25**			**08/11/25**
			Mercury	7471B		08/11/25	08/12/25	
			Metals ICP-TAL	6010D		08/12/25	08/13/25	
Q2818-02	**B-3-5-2**	**SOIL**			**08/11/25**			**08/11/25**
			Mercury	7471B		08/11/25	08/12/25	
			Metals ICP-TAL	6010D		08/12/25	08/13/25	

METAL PREPARATION & ANALYICAL SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Metals
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SAMPLE PREPARATION SUMMARY

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB169204**						
PB169204BL	PB169204BL	MB	SOLID	08/11/2025	0.51	35.0	100.00
PB169204BS	PB169204BS	LCS	SOLID	08/11/2025	0.51	35.0	100.00
Q2818-01	B-2-5-1	SAM	SOLID	08/11/2025	0.52	35.0	87.50
Q2818-02	B-3-5-2	SAM	SOLID	08/11/2025	0.53	35.0	89.10
Q2831-01DUP	VNJ-238DUP	DUP	SOLID	08/11/2025	0.50	35.0	93.10
Q2831-01MS	VNJ-238MS	MS	SOLID	08/11/2025	0.57	35.0	93.10
Q2831-01MSD	VNJ-238MSD	MSD	SOLID	08/11/2025	0.54	35.0	93.10

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB169211**						
PB169211BL	PB169211BL	MB	SOLID	08/12/2025	2.00	100.0	100.00
PB169211BS	PB169211BS	LCS	SOLID	08/12/2025	2.00	100.0	100.00
Q2818-01	B-2-5-1	SAM	SOLID	08/12/2025	2.34	100.0	87.50
Q2818-02	B-3-5-2	SAM	SOLID	08/12/2025	2.33	100.0	89.10
Q2828-01DUP	POWDERDUP	DUP	SOLID	08/12/2025	2.33	100.0	99.40
Q2828-01MS	POWDERMS	MS	SOLID	08/12/2025	2.45	100.0	99.40
Q2828-01MSD	POWDERMSD	MSD	SOLID	08/12/2025	2.30	100.0	99.40

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136782

Review By	sagar	Review On	8/12/2025 1:34:59 PM
Supervise By	jaswal	Supervise On	8/12/2025 4:08:53 PM

STD. NAME	STD REF.#
ICAL Standard	MP86706,MP86707,MP86708,MP86709,MP86710,MP86711,MP86712
ICV Standard	MP86713
CCV Standard	MP86715
ICSA Standard	
CRI Standard	MP86717
LCS Standard	
Chk Standard	MP86714,MP86716,MP86718,MP86721

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/12/25 09:19		sagar	OK
2	S0.2	S0.2	CAL2	08/12/25 09:24		sagar	OK
3	S2.5	S2.5	CAL3	08/12/25 09:26		sagar	OK
4	S5	S5	CAL4	08/12/25 09:29		sagar	OK
5	S7.5	S7.5	CAL5	08/12/25 09:39		sagar	OK
6	S10	S10	CAL6	08/12/25 09:53		sagar	OK
7	ICV08	ICV08	ICV	08/12/25 09:56		sagar	OK
8	ICB08	ICB08	ICB	08/12/25 10:01		sagar	OK
9	CCV22	CCV22	CCV	08/12/25 10:03		sagar	OK
10	CCB22	CCB22	CCB	08/12/25 10:08		sagar	OK
11	CRA	CRA	CRDL	08/12/25 10:34		sagar	OK
12	HighStd	HighStd	HIGH STD	08/12/25 10:36		sagar	OK
13	ChkStd	ChkStd	SAM	08/12/25 10:41		sagar	OK
14	PB169204BL	PB169204BL	MB	08/12/25 10:46		sagar	OK
15	PB169204BS	PB169204BS	LCS	08/12/25 10:50		sagar	OK
16	Q2808-01	TP-7	SAM	08/12/25 10:57	High	sagar	Dilution
17	Q2809-01	OR-03-08082025	SAM	08/12/25 11:01		sagar	OK
18	Q2818-01	B-2-5-1	SAM	08/12/25 11:03		sagar	OK

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

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136782

Review By	sagar	Review On	8/12/2025 1:34:59 PM
Supervise By	jaswal	Supervise On	8/12/2025 4:08:53 PM

STD. NAME	STD REF.#
ICAL Standard	MP86706,MP86707,MP86708,MP86709,MP86710,MP86711,MP86712
ICV Standard	MP86713
CCV Standard	MP86715
ICSA Standard	
CRI Standard	MP86717
LCS Standard	
Chk Standard	MP86714,MP86716,MP86718,MP86721

19	Q2818-02	B-3-5-2	SAM	08/12/25 11:06		sagar	OK
20	Q2819-06	11M-S	SAM	08/12/25 11:08		sagar	OK
21	CCV23	CCV23	CCV	08/12/25 11:11		sagar	OK
22	CCB23	CCB23	CCB	08/12/25 11:21		sagar	OK
23	Q2819-11	84SB-W	SAM	08/12/25 11:25		sagar	OK
24	Q2819-14	17M-W	SAM	08/12/25 11:27		sagar	OK
25	Q2820-09	705R-S	SAM	08/12/25 11:29		sagar	OK
26	Q2820-10	SOIL-DUP-2	SAM	08/12/25 11:31		sagar	OK
27	Q2820-24	22M-S	SAM	08/12/25 11:34		sagar	OK
28	Q2823-01	SU-04-081125	SAM	08/12/25 11:36		sagar	OK
29	Q2826-01	WC1	SAM	08/12/25 11:38		sagar	OK
30	Q2827-01	TP-8	SAM	08/12/25 11:41	High	sagar	Dilution
31	Q2827-05	TP-9	SAM	08/12/25 11:43		sagar	OK
32	Q2828-01	POWDER	SAM	08/12/25 11:46		sagar	OK
33	CCV24	CCV24	CCV	08/12/25 11:51		sagar	OK
34	CCB24	CCB24	CCB	08/12/25 11:54		sagar	OK
35	Q2830-01	BIN0009-DRIVEWAY-	SAM	08/12/25 11:56		sagar	OK
36	Q2830-03	BIN0009-DRIVEWAY-	SAM	08/12/25 11:59		sagar	OK
37	Q2830-05	BIN0009-DRIVEWAY-	SAM	08/12/25 12:01		sagar	OK
38	Q2830-07	BIN0009-DRIVEWAY-	SAM	08/12/25 12:03		sagar	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136782

Review By	sagar	Review On	8/12/2025 1:34:59 PM
Supervise By	jaswal	Supervise On	8/12/2025 4:08:53 PM

STD. NAME	STD REF.#
ICAL Standard	MP86706,MP86707,MP86708,MP86709,MP86710,MP86711,MP86712
ICV Standard	MP86713
CCV Standard	MP86715
ICSA Standard	
CRI Standard	MP86717
LCS Standard	
Chk Standard	MP86714,MP86716,MP86718,MP86721

39	Q2831-01	VNJ-238	SAM	08/12/25 12:06		sagar	OK
40	Q2831-01DUP	VNJ-238DUP	DUP	08/12/25 12:08		sagar	OK
41	Q2831-01MS	VNJ-238MS	MS	08/12/25 12:10		sagar	OK
42	Q2831-01MSD	VNJ-238MSD	MSD	08/12/25 12:12		sagar	OK
43	Q2831-01L	VNJ-238L	SD	08/12/25 12:15		sagar	OK
44	Q2831-01A	VNJ-238A	PS	08/12/25 12:17		sagar	OK
45	CCV25	CCV25	CCV	08/12/25 12:32		sagar	OK
46	CCB25	CCB25	CCB	08/12/25 12:37		sagar	OK
47	Q2808-01DL	TP-7DL	SAM	08/12/25 12:44	Report 100X	sagar	Confirms
48	Q2827-01DL	TP-8DL	SAM	08/12/25 12:47	Report 10X	sagar	Confirms
49	CCV26	CCV26	CCV	08/12/25 12:55		sagar	OK
50	CCB26	CCB26	CCB	08/12/25 13:00		sagar	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136801

Review By	Janvi	Review On	8/15/2025 10:10:36 AM
Supervise By	jaswal	Supervise On	8/19/2025 2:31:42 AM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86752,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86753
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/13/25 11:56		Jaswal	OK
2	S1	S1	CAL2	08/13/25 12:00		Jaswal	OK
3	S2	S2	CAL3	08/13/25 12:04		Jaswal	OK
4	S3	S3	CAL4	08/13/25 12:08		Jaswal	OK
5	S4	S4	CAL5	08/13/25 12:12		Jaswal	OK
6	S5	S5	CAL6	08/13/25 12:17		Jaswal	OK
7	ICV01	ICV01	ICV	08/13/25 12:21		Jaswal	OK
8	LLICV01	LLICV01	LLICV	08/13/25 12:28		Jaswal	OK
9	ICB01	ICB01	ICB	08/13/25 12:33		Jaswal	OK
10	CRI01	CRI01	CRDL	08/13/25 12:37		Jaswal	OK
11	ICSA01	ICSA01	ICSA	08/13/25 12:41		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	08/13/25 12:45		Jaswal	OK
13	ICSADL	ICSADL	ICSA	08/13/25 12:49		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	08/13/25 12:54		Jaswal	OK
15	CCV01	CCV01	CCV	08/13/25 12:58		Jaswal	OK
16	CCB01	CCB01	CCB	08/13/25 13:03		Jaswal	OK
17	Q2828-01	POWDER	SAM	08/13/25 13:07		Jaswal	OK
18	Q2828-01DUP	POWDERDUP	DUP	08/13/25 13:12		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136801

Review By	Janvi	Review On	8/15/2025 10:10:36 AM
Supervise By	jaswal	Supervise On	8/19/2025 2:31:42 AM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86752,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86753
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

19	Q2828-01L	POWDERL	SD	08/13/25 13:16		Jaswal	OK
20	Q2828-01MS	POWDERMS	MS	08/13/25 13:20		Jaswal	OK
21	Q2828-01MSD	POWDERMSD	MSD	08/13/25 13:25		Jaswal	OK
22	Q2828-01A	POWDERA	PS	08/13/25 13:30	0.1 ml of each M6004 and M6017 in 10ml sample	Jaswal	OK
23	CCV02	CCV02	CCV	08/13/25 13:42		Jaswal	OK
24	CCB02	CCB02	CCB	08/13/25 13:46		Jaswal	OK
25	Q2830-01	BIN0009-DRIVEWAY-	SAM	08/13/25 13:50		Jaswal	OK
26	Q2830-03	BIN0009-DRIVEWAY-	SAM	08/13/25 13:55		Jaswal	OK
27	Q2830-05	BIN0009-DRIVEWAY-	SAM	08/13/25 13:59		Jaswal	OK
28	Q2830-07	BIN0009-DRIVEWAY-	SAM	08/13/25 14:03		Jaswal	OK
29	Q2831-01	VNJ-238	SAM	08/13/25 14:07		Jaswal	OK
30	Q2818-01	B-2-5-1	SAM	08/13/25 14:11		Jaswal	OK
31	Q2818-02	B-3-5-2	SAM	08/13/25 14:16		Jaswal	OK
32	Q2823-01	SU-04-081125	SAM	08/13/25 14:20		Jaswal	OK
33	Q2831-03	VNJ-238	SAM	08/13/25 14:24		Jaswal	OK
34	Q2831-03DUP	VNJ-238DUP	DUP	08/13/25 14:28		Jaswal	OK
35	CCV03	CCV03	CCV	08/13/25 14:33		Jaswal	OK
36	CCB03	CCB03	CCB	08/13/25 14:37		Jaswal	OK
37	Q2831-03L	VNJ-238L	SD	08/13/25 14:41		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136801

Review By	Janvi	Review On	8/15/2025 10:10:36 AM
Supervise By	jaswal	Supervise On	8/19/2025 2:31:42 AM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86752,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86753
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

38	Q2831-03MS	VNJ-238MS	MS	08/13/25 14:46		Jaswal	OK
39	Q2831-03MSD	VNJ-238MSD	MSD	08/13/25 14:50		Jaswal	OK
40	Q2831-03A	VNJ-238A	PS	08/13/25 14:54	0.1 ml of each M6004 and M6017 in 10ml sample	Jaswal	OK
41	PB169214BL	PB169214BL	MB	08/13/25 14:58		Jaswal	OK
42	PB169214BS	PB169214BS	LCS	08/13/25 15:02		Jaswal	OK
43	PB169211BL	PB169211BL	MB	08/13/25 15:06		Jaswal	OK
44	PB169215BL	PB169215BL	MB	08/13/25 15:15		Jaswal	OK
45	PB169211BS	PB169211BS	LCS	08/13/25 15:19		Jaswal	OK
46	CCV04	CCV04	CCV	08/13/25 15:23		Jaswal	OK
47	CCB04	CCB04	CCB	08/13/25 15:27		Jaswal	OK
48	PB169200TB	PB169200TB	MB	08/13/25 15:31		Jaswal	OK
49	Q2808-04	TP-7	SAM	08/13/25 15:36		Jaswal	OK
50	Q2826-02	WC1	SAM	08/13/25 15:40		Jaswal	OK
51	Q2827-04	TP-8	SAM	08/13/25 15:45		Jaswal	OK
52	Q2827-08	TP-9	SAM	08/13/25 15:49		Jaswal	OK
53	Q2808-01	TP-7	SAM	08/13/25 15:53		Jaswal	OK
54	Q2817-01	LEAD-PAINT-CHIPS	SAM	08/13/25 15:58		Jaswal	OK
55	Q2819-06	11M-S	SAM	08/13/25 16:02		Jaswal	OK
56	Q2819-11	84SB-W	SAM	08/13/25 16:06		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136801

Review By	Janvi	Review On	8/15/2025 10:10:36 AM
Supervise By	jaswal	Supervise On	8/19/2025 2:31:42 AM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86752,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86753
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

57	Q2819-14	17M-W	SAM	08/13/25 16:10		Jaswal	OK
58	CCV05	CCV05	CCV	08/13/25 16:14		Jaswal	OK
59	CCB05	CCB05	CCB	08/13/25 16:19		Jaswal	OK
60	Q2820-09	705R-S	SAM	08/13/25 16:23		Jaswal	OK
61	Q2820-10	SOIL-DUP-2	SAM	08/13/25 16:27		Jaswal	OK
62	Q2820-24	22M-S	SAM	08/13/25 16:31		Jaswal	OK
63	Q2826-01	WC1	SAM	08/13/25 16:35		Jaswal	OK
64	Q2827-01	TP-8	SAM	08/13/25 16:39		Jaswal	OK
65	Q2827-05	TP-9	SAM	08/13/25 16:44		Jaswal	OK
66	Q2829-01	SILICA	SAM	08/13/25 16:48		Jaswal	OK
67	Q2832-09	TG-S05	SAM	08/13/25 16:52		Jaswal	OK
68	Q2832-09DUP	TG-S05DUP	DUP	08/13/25 16:56		Jaswal	OK
69	Q2832-09L	TG-S05L	SD	08/13/25 17:00		Jaswal	OK
70	CCV06	CCV06	CCV	08/13/25 17:05		Jaswal	OK
71	CCB06	CCB06	CCB	08/13/25 17:09		Jaswal	OK
72	Q2832-09MS	TG-S05MS	MS	08/13/25 17:13		Jaswal	OK
73	Q2832-09MSD	TG-S05MSD	MSD	08/13/25 17:17		Jaswal	OK
74	Q2832-09A	TG-S05A	PS	08/13/25 17:21	0.1 ml of each M6004 and M6017 in 10ml sample	Jaswal	OK
75	Q2832-03	TG-S02	SAM	08/13/25 17:25		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136801

Review By	Janvi	Review On	8/15/2025 10:10:36 AM
Supervise By	jaswal	Supervise On	8/19/2025 2:31:42 AM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86752,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86753
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

76	Q2832-05	TG-S03	SAM	08/13/25 17:29		Jaswal	OK
77	Q2832-07	TG-S04	SAM	08/13/25 17:33		Jaswal	OK
78	PB169215BS	PB169215BS	LCS	08/13/25 17:42		Jaswal	OK
79	CCV07	CCV07	CCV	08/13/25 17:46		Jaswal	OK
80	CCB07	CCB07	CCB	08/13/25 17:50		Jaswal	OK

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB169204

SOP ID : M7471B-Mercury-19

SDG No : N/A

Matrix : SOIL

Pippete ID: HG A

Balance ID : M SC-3

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 08/11/2025 **Time :** 16:30 **Temp :** 95 °C

End Digest Date: 08/11/2025 **Time :** 16:40 **Temp :** 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: SJ

Supervisor Signature: SD

Temp : 1. 95°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP86713
CCV	30mL	MP86715
CRA	30mL	MP86717
Blank Spike	0.48mL	MP86706
Matrix Spike	0.48mL	MP86706

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	2.5mL	MP86719
KMnO4 (5%)	4.5mL	MP85893
Hydroxylamine HCL (12%)	2.0mL	MP85895
PTFE Boiling Stones	----------	M5582
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP86707
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP86708
2.5 ppb	S2.5	30mL	MP86709
5.0 ppb	S5.0	30mL	MP86710
7.5 ppb	S7.5	30mL	MP86711
10.0 ppb	S10.0	30mL	MP86712
ICV	ICV	30mL	MP86713
ICB	ICB	30mL	MP86714
CCV	CCV	30mL	MP86715
CCB	CCB	30mL	MP86716
CRI	CRI	30mL	MP86717
CHK STD	CHK STD	30mL	MP86718

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/11/25 16:50	SJS wet dig	SJ (Metals Lab)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB169204

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
PB169204BL	PBS204	0.51	35	N/A	N/A	1-1
PB169204BS	LCS204	0.51	35	N/A	MP86706	2
Q2808-01	TP-7	0.53	35	N/A	N/A	3
Q2809-01	OR-03-08082025	0.55	35	N/A	N/A	4
Q2818-01	B-2-5-1	0.52	35	N/A	N/A	5
Q2818-02	B-3-5-2	0.53	35	N/A	N/A	6
Q2819-06	11M-S	0.55	35	N/A	N/A	7
Q2819-11	84SB-W	0.56	35	N/A	N/A	8
Q2819-14	17M-W	0.52	35	N/A	N/A	9
Q2820-09	705R-S	0.54	35	N/A	N/A	10
Q2820-10	SOIL-DUP-2	0.51	35	N/A	N/A	11
Q2820-24	22M-S	0.51	35	N/A	N/A	12
Q2823-01	SU-04-081125	0.52	35	N/A	N/A	13
Q2826-01	WC1	0.51	35	N/A	N/A	14
Q2827-01	TP-8	0.59	35	N/A	N/A	15
Q2827-05	TP-9	0.57	35	N/A	N/A	16
Q2828-01	POWDER	0.56	35	N/A	N/A	17
Q2830-01	BIN0009-DRIVEWAY-TP-SOUTH-EAST	0.53	35	N/A	N/A	18
Q2830-03	BIN0009-DRIVEWAY-TP-WEST	0.56	35	N/A	N/A	19
Q2830-05	BIN0009-DRIVEWAY-TP-WESTSIDE	0.55	35	N/A	N/A	20
Q2830-07	BIN0009-DRIVEWAY-TP-EASTSIDE	0.58	35	N/A	N/A	21
Q2831-01	VNJ-238	0.54	35	N/A	N/A	22
Q2831-01MS	VNJ-238MS	0.57	35	N/A	MP86706	24
Q2831-01MSD	VNJ-238MSD	0.54	35	N/A	MP86706	25
Q2831-01DUP	VNJ-238DUP	0.50	35	N/A	N/A	23

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB169211

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 #5 2. N/A

Start Digest Date: 08/12/2025 **Time :** 12:55 **Temp :** 97 °C

End Digest Date: 08/12/2025 **Time :** 14:55 **Temp :** 98 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #5

Dig Technician Signature: SLG.

Supervisor Signature: JSP

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6180
LFS-2	1.00	M6181
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	MP86404
30% H2O2	3.00	M6170
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#5 CELL#35 97C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/12/25 15:55	SLG met dig	JSP / Met Lab
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
PB169211BL	PBS211	N/A	2.00	100	Colorless	Colorless	Fine	N/A	N/A	1
PB169211BS	LCS211	N/A	2.00	100	Colorless	Colorless	Fine	N/A	M6180,M6181	2
Q2808-01	TP-7	N/A	2.42	100	Brown	Yellow	Medium	N/A	N/A	3
Q2809-01	OR-03-08082025	N/A	2.34	100	Brown	Yellow	Medium	N/A	N/A	4
Q2817-01	LEAD-PAINT-CHIPS	N/A	2.27	100	Brown	Yellow	Medium	N/A	N/A	5
Q2818-01	B-2-5-1	N/A	2.34	100	Brown	Yellow	Medium	N/A	N/A	6
Q2818-02	B-3-5-2	N/A	2.33	100	Brown	Yellow	Medium	N/A	N/A	7
Q2819-06	11M-S	N/A	2.32	100	Brown	Yellow	Medium	N/A	N/A	8
Q2819-11	84SB-W	N/A	2.37	100	Brown	Yellow	Medium	N/A	N/A	9
Q2819-14	17M-W	N/A	2.36	100	Brown	Yellow	Medium	N/A	N/A	10
Q2820-09	705R-S	N/A	2.25	100	Brown	Yellow	Medium	N/A	N/A	11
Q2820-10	SOIL-DUP-2	N/A	2.17	100	Brown	Yellow	Medium	N/A	N/A	12
Q2820-24	22M-S	N/A	2.24	100	Brown	Yellow	Medium	N/A	N/A	13
Q2823-01	SU-04-081125	N/A	2.47	100	Brown	Yellow	Medium	N/A	N/A	14
Q2826-01	WC1	N/A	2.19	100	Brown	Yellow	Medium	N/A	N/A	15
Q2827-01	TP-8	N/A	2.26	100	Brown	Yellow	Medium	N/A	N/A	16
Q2827-05	TP-9	N/A	2.32	100	Brown	Yellow	Medium	N/A	N/A	17
Q2828-01	POWDER	N/A	2.16	100	Brown	Yellow	Medium	N/A	N/A	18
Q2828-01MS	POWDERMS	N/A	2.45	100	Brown	Yellow	Medium	N/A	M6180,M6181	20
Q2828-01MSD	POWDERMSD	N/A	2.30	100	Brown	Yellow	Medium	N/A	M6180,M6181	21
Q2828-01DUP	POWDERDUP	N/A	2.33	100	Brown	Yellow	Medium	N/A	N/A	19

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

Hit Summary Sheet
SW-846

SDG No.: Q2818 **Order ID:** Q2818

Client: Earth Engineering Inc. **Project ID:** Reserve Turgyan Farms

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B-2-5-1								
Q2818-04	B-2-5-1	Water	Beryllium	12.6		0.56	6.00	ug/L
Q2818-04	B-2-5-1	Water	Mercury	0.53		0.076	0.20	ug/L
Client ID : B-3-5-2								
Q2818-05	B-3-5-2	Water	Beryllium	14.4		0.56	6.00	ug/L
Q2818-05	B-3-5-2	Water	Mercury	0.76		0.076	0.20	ug/L
Q2818-05	B-3-5-2	Water	Silver	6.92	J	1.62	10.0	ug/L

SAMPLE DATA

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-2-5-1	SDG No.:	Q2818
Lab Sample ID:	Q2818-04	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-41-7	Beryllium	12.6	N	1	0.56	6.00	ug/L	08/19/25 12:30	08/20/25 15:00	6010D	SW3010
7439-97-6	Mercury	0.53		1	0.076	0.20	ug/L	08/19/25 11:30	08/19/25 14:33	7470A	
7440-22-4	Silver	1.62	U	1	1.62	10.0	ug/L	08/19/25 12:30	08/20/25 15:00	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	SPLP Mercury				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-3-5-2	SDG No.:	Q2818
Lab Sample ID:	Q2818-05	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-41-7	Beryllium	14.4	N	1	0.56	6.00	ug/L	08/19/25 12:30	08/20/25 15:04	6010D	SW3010
7439-97-6	Mercury	0.76		1	0.076	0.20	ug/L	08/19/25 11:30	08/19/25 14:36	7470A	
7440-22-4	Silver	6.92	J	1	1.62	10.0	ug/L	08/19/25 12:30	08/20/25 15:04	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	SPLP Mercury				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB23	Mercury	0.076	+/-0.2	U	0.20	CV	08/19/2025	14:09	LB136879

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB71	Mercury	0.076	+/-0.2	U	0.20	CV	08/19/2025	14:14	LB136879
CCB72	Mercury	0.076	+/-0.2	U	0.20	CV	08/19/2025	14:47	LB136879
CCB73	Mercury	0.076	+/-0.2	U	0.20	CV	08/19/2025	15:16	LB136879
CCB74	Mercury	0.076	+/-0.2	U	0.20	CV	08/19/2025	15:39	LB136879

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Beryllium	0.56	+/-3	U	6.00	P	08/20/2025	13:21	LB136898
	Silver	1.62	+/-5	U	10.0	P	08/20/2025	13:21	LB136898

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Beryllium	0.56	+/-3	U	6.00	P	08/20/2025	13:51	LB136898
	Silver	1.62	+/-5	U	10.0	P	08/20/2025	13:51	LB136898
CCB02	Beryllium	0.56	+/-3	U	6.00	P	08/20/2025	14:43	LB136898
	Silver	1.62	+/-5	U	10.0	P	08/20/2025	14:43	LB136898
CCB03	Beryllium	0.56	+/-3	U	6.00	P	08/20/2025	15:49	LB136898
	Silver	1.62	+/-5	U	10.0	P	08/20/2025	15:49	LB136898
CCB04	Beryllium	0.56	+/-3	U	6.00	P	08/20/2025	16:39	LB136898
	Silver	1.62	+/-5	U	10.0	P	08/20/2025	16:39	LB136898
CCB05	Beryllium	0.56	+/-3	U	6.00	P	08/20/2025	17:13	LB136898
	Silver	1.62	+/-5	U	10.0	P	08/20/2025	17:13	LB136898

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Earth Engineering Inc. **SDG No.:** Q2818

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169293BL		**WATER**		**Batch Number:**	**PB169293**		**Prep Date:**	**08/19/2025**	
	Mercury	0.076	<0.2	U	0.20	CV	08/19/2025	14:25	LB136879

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169293TB		**WATER**		**Batch Number:**	**PB169293**		**Prep Date:**	**08/19/2025**	
	Mercury	0.076	<0.2	U	0.20	CV	08/19/2025	15:26	LB136879

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Earth Engineering Inc. **SDG No.:** Q2818

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169301BL		**WATER**		**Batch Number:**	**PB169301**		**Prep Date:**	**08/19/2025**	
	Beryllium	0.56	<3	U	6.00	P	08/20/2025	14:48	LB136898
	Silver	1.62	<5	U	10.0	P	08/20/2025	14:48	LB136898

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169301TB		**WATER**		**Batch Number:**	**PB169301**		**Prep Date:**	**08/19/2025**	
	Beryllium	0.56	<3	U	6.00	P	08/20/2025	17:04	LB136898
	Silver	1.62	<5	U	10.0	P	08/20/2025	17:04	LB136898

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV23	Mercury	4.11	4.0	103	90 - 110	CV	08/19/2025	14:07	LB136879

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV71	Mercury	4.71	5.0	94	90 - 110	CV	08/19/2025	14:11	LB136879
CCV72	Mercury	4.70	5.0	94	90 - 110	CV	08/19/2025	14:45	LB136879
CCV73	Mercury	4.75	5.0	95	90 - 110	CV	08/19/2025	15:14	LB136879
CCV74	Mercury	5.24	5.0	105	90 - 110	CV	08/19/2025	15:37	LB136879

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Beryllium	217	200	109	90 - 110	P	08/20/2025	13:04	LB136898
	Silver	1010	1000	101	90 - 110	P	08/20/2025	13:04	LB136898

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Beryllium	6.15	6.0	103	80 - 120	P	08/20/2025	13:17	LB136898
	Silver	10.4	10.0	104	80 - 120	P	08/20/2025	13:17	LB136898

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Beryllium	246	250	98	90 - 110	P	08/20/2025	13:47	LB136898
	Silver	1240	1250	100	90 - 110	P	08/20/2025	13:47	LB136898
CCV02	Beryllium	243	250	97	90 - 110	P	08/20/2025	14:39	LB136898
	Silver	1250	1250	100	90 - 110	P	08/20/2025	14:39	LB136898
CCV03	Beryllium	251	250	100	90 - 110	P	08/20/2025	15:45	LB136898
	Silver	1260	1250	101	90 - 110	P	08/20/2025	15:45	LB136898
CCV04	Beryllium	247	250	99	90 - 110	P	08/20/2025	16:35	LB136898
	Silver	1250	1250	100	90 - 110	P	08/20/2025	16:35	LB136898
CCV05	Beryllium	251	250	101	90 - 110	P	08/20/2025	17:09	LB136898
	Silver	1250	1250	100	90 - 110	P	08/20/2025	17:09	LB136898

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.21	0.2	103	70 - 130	CV	08/19/2025	14:16	LB136879
CRI01	Beryllium	6.30	6.0	105	65 - 135	P	08/20/2025	13:26	LB136898
	Silver	9.95	10.0	100	65 - 135	P	08/20/2025	13:26	LB136898

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Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

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	Beryllium	1.50			-6	6	08/20/2025	13:30	LB136898
	Silver	2.09			-10	10	08/20/2025	13:30	LB136898
ICSAB01	Beryllium	482	495	97	420	570	08/20/2025	13:34	LB136898
	Silver	212	201	106	170	232	08/20/2025	13:34	LB136898

METAL QC DATA

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: Earth Engineering Inc. **level:** low **sdg no.:** Q2818

contract: EARTH03 **lab code:** ACE

matrix: Water **sample id:** Q2818-05 **client id:** B-3-5-2MS

Percent Solids for Sample: NA **Spiked ID:** Q2818-05MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Beryllium	ug/L	75 - 125	159		14.4		200	72	N	P
Silver	ug/L	75 - 125	64.8		6.92	J	75.0	77		P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Earth Engineering Inc. **level:** low **sdg no.:** Q2818

contract: EARTH03 **lab code:** ACE

matrix: Water **sample id:** Q2818-05 **client id:** B-3-5-2MSD

Percent Solids for Sample: NA **Spiked ID:** Q2818-05MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Beryllium	ug/L	75 - 125	157		14.4		200	71	N	P
Silver	ug/L	75 - 125	64.5		6.92	J	75.0	77		P

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: Earth Engineering Inc. **level:** low **sdg no.:** Q2818

contract: EARTH03 **lab code:** ACE

matrix: Water **sample id:** Q2879-18 **client id:** OU4-TS-GRILLO-TSCP11-081425MS

Percent Solids for Sample: NA **Spiked ID:** Q2879-18MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	4.03		0.20	U	4.0	101		CV

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Earth Engineering Inc. **level:** low **sdg no.:** Q2818

contract: EARTH03 **lab code:** ACE

matrix: Water **sample id:** Q2879-18 **client id:** OU4-TS-GRILLO-TSCP11-081425MSD

Percent Solids for Sample: NA **Spiked ID:** Q2879-18MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	4.00		0.20	U	4.0	100		CV

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Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Matrix: Water **Level:** LOW **Client ID:** B-3-5-2A

Sample ID: Q2818-05 **Spiked ID:** Q2818-05A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Beryllium	ug/L	75 - 125	160		14.4		200	73	N	P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Earth Engineering Inc. **Level:** LOW **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2818-05 **Client ID:** B-3-5-2DUP

Percent Solids for Sample: NA **Duplicate ID** Q2818-05DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Beryllium	ug/L	20	14.4		14.6		1		P
Silver	ug/L	20	6.92	J	11.3		48		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Earth Engineering Inc. **Level:** LOW **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2818-05MS **Client ID:** B-3-5-2MSD

Percent Solids for Sample: NA **Duplicate ID** Q2818-05MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Beryllium	ug/L	20	159		157		1		P
Silver	ug/L	20	64.8		64.5		0		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

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: Earth Engineering Inc. **Level:** LOW **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2879-18 **Client ID:** OU4-TS-GRILLO-TSCP11-081425DUP

Percent Solids for Sample: NA **Duplicate ID** Q2879-18DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	0.20	U	0.20	U			CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: Earth Engineering Inc. **Level:** LOW **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2879-18MS **Client ID:** OU4-TS-GRILLO-TSCP11-081425MSD

Percent Solids for Sample: NA **Duplicate ID** Q2879-18MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	4.03		4.00		1		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169293BS							
Mercury	ug/L	4.0	4.15		104	82 - 119	CV

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169301BS							
Beryllium	ug/L	200	199		100	80 - 120	P
Silver	ug/L	75.0	73.9		98	80 - 120	P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

B-3-5-2L

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **Lb No.:** lb136898 **Lab Sample ID :** Q2818-05L **SDG No.:** Q2818

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Beryllium	14.4		17.5	J	22		P
Silver	6.92	J	50.0	U	100.0		P

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Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

OU4-TS-GRILLO-TSCP11-081425L

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **Lb No.:** lb136879 **Lab Sample ID :** Q2879-18L **SDG No.:** Q2818

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.20	U	1.00	U			CV

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metals
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ANALYSIS RUN LOG

Client: Earth Engineering Inc. **Contract:** EARTH03

Lab code: ACE **Sdg no.:** Q2818

Instrument id number: **Method:** **Run number:** LB136879

Start date: 08/19/2025 **End date:** 08/19/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1352	HG
S0.2	S0.2	1	1355	HG
S2.5	S2.5	1	1357	HG
S5	S5	1	1359	HG
S7.5	S7.5	1	1401	HG
S10	S10	1	1404	HG
ICV23	ICV23	1	1407	HG
ICB23	ICB23	1	1409	HG
CCV71	CCV71	1	1411	HG
CCB71	CCB71	1	1414	HG
CRA	CRA	1	1416	HG
PB169293BL	PB169293BL	1	1425	HG
PB169293BS	PB169293BS	1	1431	HG
Q2818-04	B-2-5-1	1	1433	HG
Q2818-05	B-3-5-2	1	1436	HG
CCV72	CCV72	1	1445	HG
CCB72	CCB72	1	1447	HG
Q2879-18DUP	OU4-TS-GRILLO-TSCP11-0814	1	1503	HG
Q2879-18MS	OU4-TS-GRILLO-TSCP11-0814	1	1509	HG
Q2879-18MSD	OU4-TS-GRILLO-TSCP11-0814	1	1512	HG
CCV73	CCV73	1	1514	HG
CCB73	CCB73	1	1516	HG
PB169293TB	PB169293TB	1	1526	HG
Q2879-18L	OU4-TS-GRILLO-TSCP11-0814	5	1529	HG
CCV74	CCV74	1	1537	HG
CCB74	CCB74	1	1539	HG

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metals
- 14 -
ANALYSIS RUN LOG

Client: Earth Engineering Inc. **Contract:** EARTH03

Lab code: ACE **Sdg no.:** Q2818

Instrument id number: **Method:** **Run number:** LB136898

Start date: 08/20/2025 **End date:** 08/20/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1238	Ag,Be
S1	S1	1	1243	Ag,Be
S2	S2	1	1247	Ag,Be
S3	S3	1	1251	Ag,Be
S4	S4	1	1255	Ag,Be
S5	S5	1	1259	Ag,Be
ICV01	ICV01	1	1304	Ag,Be
LLICV01	LLICV01	1	1317	Ag,Be
ICB01	ICB01	1	1321	Ag,Be
CRI01	CRI01	1	1326	Ag,Be
ICSA01	ICSA01	1	1330	Ag,Be
ICSAB01	ICSAB01	1	1334	Ag,Be
CCV01	CCV01	1	1347	Ag,Be
CCB01	CCB01	1	1351	Ag,Be
CCV02	CCV02	1	1439	Ag,Be
CCB02	CCB02	1	1443	Ag,Be
PB169301BL	PB169301BL	1	1448	Ag,Be
PB169301BS	PB169301BS	1	1452	Ag,Be
Q2818-04	B-2-5-1	1	1500	Ag,Be
Q2818-05	B-3-5-2	1	1504	Ag,Be
Q2818-05DUP	B-3-5-2DUP	1	1508	Ag,Be
Q2818-05A	B-3-5-2A	1	1524	Be
Q2818-05L	B-3-5-2L	5	1532	Ag,Be
Q2818-05MS	B-3-5-2MS	1	1537	Ag,Be
Q2818-05MSD	B-3-5-2MSD	1	1541	Ag,Be
CCV03	CCV03	1	1545	Ag,Be
CCB03	CCB03	1	1549	Ag,Be
CCV04	CCV04	1	1635	Ag,Be
CCB04	CCB04	1	1639	Ag,Be
PB169301TB	PB169301TB	1	1704	Ag,Be
CCV05	CCV05	1	1709	Ag,Be
CCB05	CCB05	1	1713	Ag,Be

METAL PREPARATION & INSTRUMENT DATA

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000

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LAB CHRONICLE

OrderID:	Q2818	**OrderDate:**	8/11/2025 11:57:00 AM
Client:	Earth Engineering Inc.	**Project:**	Reserve Turgyan Farms
Contact:	Frank Dougherty, LSRP	**Location:**	J21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2818-01	**B-2-5-1**	**SOIL**			**08/11/25**			**08/11/25**
			Mercury	7471B		08/11/25	08/12/25	
			Metals ICP-TAL	6010D		08/12/25	08/13/25	
Q2818-02	**B-3-5-2**	**SOIL**			**08/11/25**			**08/11/25**
			Mercury	7471B		08/11/25	08/12/25	
			Metals ICP-TAL	6010D		08/12/25	08/13/25	
Q2818-04	**B-2-5-1**	**Water**			**08/11/25**			**08/11/25**
			SPLP Mercury	7470A		08/19/25	08/19/25	
			SPLP MetalGroup3	6010D		08/19/25	08/20/25	
Q2818-05	**B-3-5-2**	**Water**			**08/11/25**			**08/11/25**
			SPLP Mercury	7470A		08/19/25	08/19/25	
			SPLP MetalGroup3	6010D		08/19/25	08/20/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB169293**						
PB169293BL	PB169293BL	MB	WATER	08/19/2025	30.0	30.0	
PB169293BS	PB169293BS	LCS	WATER	08/19/2025	30.0	30.0	
PB169293TB	PB169293TB	MB	WATER	08/19/2025	30.0	30.0	
Q2818-04	B-2-5-1	SAM	WATER	08/19/2025	30.0	30.0	
Q2818-05	B-3-5-2	SAM	WATER	08/19/2025	30.0	30.0	
Q2879-18DUP	OU4-TS-GRILLO-TSCP11-081425DUP	DUP	WATER	08/19/2025	30.0	30.0	
Q2879-18MS	OU4-TS-GRILLO-TSCP11-081425MS	MS	WATER	08/19/2025	30.0	30.0	
Q2879-18MSD	OU4-TS-GRILLO-TSCP11-081425MSD	MSD	WATER	08/19/2025	30.0	30.0	

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Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Earth Engineering Inc. **SDG No.:** Q2818

Contract: EARTH03 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB169301**						
PB169301BL	PB169301BL	MB	WATER	08/19/2025	50.0	50.0	
PB169301BS	PB169301BS	LCS	WATER	08/19/2025	50.0	50.0	
PB169301TB	PB169301TB	MB	WATER	08/19/2025	50.0	50.0	
Q2818-04	B-2-5-1	SAM	WATER	08/19/2025	50.0	50.0	
Q2818-05	B-3-5-2	SAM	WATER	08/19/2025	50.0	50.0	
Q2818-05DUP	B-3-5-2DUP	DUP	WATER	08/19/2025	50.0	50.0	
Q2818-05MS	B-3-5-2MS	MS	WATER	08/19/2025	50.0	50.0	
Q2818-05MSD	B-3-5-2MSD	MSD	WATER	08/19/2025	50.0	50.0	

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136879

Review By	MOHAN	Review On	8/20/2025 1:01:55 PM
Supervise By	jaswal	Supervise On	8/20/2025 10:35:11 PM

STD. NAME	STD REF.#
ICAL Standard	MP86832,MP86833,MP86834,MP86835,MP86836,MP86837
ICV Standard	MP86838
CCV Standard	MP86840
ICSA Standard	
CRI Standard	MP86842
LCS Standard	
Chk Standard	MP86839,MP86841,MP86843,MP86845

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/19/25 13:52		MOHAN	OK
2	S0.2	S0.2	CAL2	08/19/25 13:55		MOHAN	OK
3	S2.5	S2.5	CAL3	08/19/25 13:57		MOHAN	OK
4	S5	S5	CAL4	08/19/25 13:59		MOHAN	OK
5	S7.5	S7.5	CAL5	08/19/25 14:01		MOHAN	OK
6	S10	S10	CAL6	08/19/25 14:04		MOHAN	OK
7	ICV23	ICV23	ICV	08/19/25 14:07		MOHAN	OK
8	ICB23	ICB23	ICB	08/19/25 14:09		MOHAN	OK
9	CCV71	CCV71	CCV	08/19/25 14:11		MOHAN	OK
10	CCB71	CCB71	CCB	08/19/25 14:14		MOHAN	OK
11	CRA	CRA	CRDL	08/19/25 14:16		MOHAN	OK
12	HighStd	HighStd	HIGH STD	08/19/25 14:18		MOHAN	OK
13	ChkStd	ChkStd	SAM	08/19/25 14:20		MOHAN	OK
14	PB169293BL	PB169293BL	MB	08/19/25 14:25		MOHAN	OK
15	PB169293BS	PB169293BS	LCS	08/19/25 14:31		MOHAN	OK
16	Q2818-04	B-2-5-1	SAM	08/19/25 14:33		MOHAN	OK
17	Q2818-05	B-3-5-2	SAM	08/19/25 14:36		MOHAN	OK
18	Q2879-02	OU4-TS-GRILLO-TSC	SAM	08/19/25 14:38		MOHAN	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136879

Review By	MOHAN	Review On	8/20/2025 1:01:55 PM
Supervise By	jaswal	Supervise On	8/20/2025 10:35:11 PM

STD. NAME	STD REF.#
ICAL Standard	MP86832,MP86833,MP86834,MP86835,MP86836,MP86837
ICV Standard	MP86838
CCV Standard	MP86840
ICSA Standard	
CRI Standard	MP86842
LCS Standard	
Chk Standard	MP86839,MP86841,MP86843,MP86845

19	Q2879-04	OU4-TS-GRILLO-TSC	SAM	08/19/25 14:40		MOHAN	OK
20	Q2879-06	OU4-TS-GRILLO-TSC	SAM	08/19/25 14:43		MOHAN	OK
21	CCV72	CCV72	CCV	08/19/25 14:45		MOHAN	OK
22	CCB72	CCB72	CCB	08/19/25 14:47		MOHAN	OK
23	Q2879-08	OU4-TS-GRILLO-TSC	SAM	08/19/25 14:50		MOHAN	OK
24	Q2879-10	OU4-TS-GRILLO-TSC	SAM	08/19/25 14:52		MOHAN	OK
25	Q2879-12	OU4-TS-GRILLO-TSC	SAM	08/19/25 14:54		MOHAN	OK
26	Q2879-14	OU4-TS-GRILLO-TSC	SAM	08/19/25 14:57		MOHAN	OK
27	Q2879-16	OU4-TS-GRILLO-TSC	SAM	08/19/25 14:59		MOHAN	OK
28	Q2879-18	OU4-TS-GRILLO-TSC	SAM	08/19/25 15:01		MOHAN	OK
29	Q2879-18DUP	OU4-TS-GRILLO-TSC	DUP	08/19/25 15:03		MOHAN	OK
30	Q2879-18MS	OU4-TS-GRILLO-TSC	MS	08/19/25 15:09		MOHAN	OK
31	Q2879-18MSD	OU4-TS-GRILLO-TSC	MSD	08/19/25 15:12		MOHAN	OK
32	CCV73	CCV73	CCV	08/19/25 15:14		MOHAN	OK
33	CCB73	CCB73	CCB	08/19/25 15:16		MOHAN	OK
34	PB169293TB	PB169293TB	MB	08/19/25 15:26		MOHAN	OK
35	Q2879-18L	OU4-TS-GRILLO-TSC	SD	08/19/25 15:29		MOHAN	OK
36	Q2879-18A	OU4-TS-GRILLO-TSC	PS	08/19/25 15:31		MOHAN	OK
37	CCV74	CCV74	CCV	08/19/25 15:37		MOHAN	OK
38	CCB74	CCB74	CCB	08/19/25 15:39		MOHAN	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136898

Review By	jaswal	Review On	8/21/2025 9:30:15 AM
Supervise By	MOHAN	Supervise On	8/21/2025 5:53:36 PM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86752,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86753
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/20/25 12:38		Jaswal	OK
2	S1	S1	CAL2	08/20/25 12:43		Jaswal	OK
3	S2	S2	CAL3	08/20/25 12:47		Jaswal	OK
4	S3	S3	CAL4	08/20/25 12:51		Jaswal	OK
5	S4	S4	CAL5	08/20/25 12:55		Jaswal	OK
6	S5	S5	CAL6	08/20/25 12:59		Jaswal	OK
7	ICV01	ICV01	ICV	08/20/25 13:04		Jaswal	OK
8	LLICV01	LLICV01	LLICV	08/20/25 13:17		Jaswal	OK
9	ICB01	ICB01	ICB	08/20/25 13:21		Jaswal	OK
10	CRI01	CRI01	CRDL	08/20/25 13:26		Jaswal	OK
11	ICSA01	ICSA01	ICSA	08/20/25 13:30		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	08/20/25 13:34		Jaswal	OK
13	ICSADL	ICSADL	ICSA	08/20/25 13:38		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	08/20/25 13:42		Jaswal	OK
15	CCV01	CCV01	CCV	08/20/25 13:47		Jaswal	OK
16	CCB01	CCB01	CCB	08/20/25 13:51		Jaswal	OK
17	LR-1	LR-1	HIGH STD	08/20/25 13:55		Jaswal	OK
18	LR-2	LR-2	HIGH STD	08/20/25 14:00		Jaswal	OK

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Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136898

Review By	jaswal	Review On	8/21/2025 9:30:15 AM
Supervise By	MOHAN	Supervise On	8/21/2025 5:53:36 PM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86752,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86753
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

19	LR-3	LR-3	HIGH STD	08/20/25 14:04		Jaswal	OK
20	Q2892-02	1-FLOOR-NORTH-EA	SAM	08/20/25 14:09		Jaswal	OK
21	Q2892-02DUP	1-FLOOR-NORTH-EA	DUP	08/20/25 14:15		Jaswal	OK
22	Q2892-02MS	1-FLOOR-NORTH-EA	MS	08/20/25 14:23		Jaswal	OK
23	Q2892-02MSD	1-FLOOR-NORTH-EA	MSD	08/20/25 14:27		Jaswal	OK
24	Q2892-02A	1-FLOOR-NORTH-EA	PS	08/20/25 14:31		Jaswal	OK
25	CCV02	CCV02	CCV	08/20/25 14:39		Jaswal	OK
26	CCB02	CCB02	CCB	08/20/25 14:43		Jaswal	OK
27	PB169301BL	PB169301BL	MB	08/20/25 14:48		Jaswal	OK
28	PB169301BS	PB169301BS	LCS	08/20/25 14:52		Jaswal	OK
29	Q2892-02L	1-FLOOR-NORTH-EA	SD	08/20/25 14:56		Jaswal	OK
30	Q2818-04	B-2-5-1	SAM	08/20/25 15:00		Jaswal	OK
31	Q2818-05	B-3-5-2	SAM	08/20/25 15:04		Jaswal	OK
32	Q2818-05DUP	B-3-5-2DUP	DUP	08/20/25 15:08		Jaswal	OK
33	Q2818-05A	B-3-5-2A	PS	08/20/25 15:24		Jaswal	OK
34	Q2818-05L	B-3-5-2L	SD	08/20/25 15:32		Jaswal	OK
35	Q2818-05MS	B-3-5-2MS	MS	08/20/25 15:37		Jaswal	OK
36	Q2818-05MSD	B-3-5-2MSD	MSD	08/20/25 15:41		Jaswal	OK
37	CCV03	CCV03	CCV	08/20/25 15:45		Jaswal	OK
38	CCB03	CCB03	CCB	08/20/25 15:49		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136898

Review By	jaswal	Review On	8/21/2025 9:30:15 AM
Supervise By	MOHAN	Supervise On	8/21/2025 5:53:36 PM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86752,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86753
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

39	PB169303BL	PB169303BL	MB	08/20/25 15:53		Jaswal	OK
40	PB169303BS	PB169303BS	LCS	08/20/25 15:58		Jaswal	OK
41	Q2881-01	RW8-SP100-2025081	SAM	08/20/25 16:02		Jaswal	OK
42	Q2881-02	RW8-SP303-2025081	SAM	08/20/25 16:06		Jaswal	OK
43	Q2881-02DUP	RW8-SP303-2025081	DUP	08/20/25 16:10		Jaswal	OK
44	Q2881-02L	RW8-SP303-2025081	SD	08/20/25 16:14		Jaswal	OK
45	Q2881-02MS	RW8-SP303-2025081	MS	08/20/25 16:19		Jaswal	OK
46	Q2881-02MSD	RW8-SP303-2025081	MSD	08/20/25 16:23		Jaswal	OK
47	Q2881-02A	RW8-SP303-2025081	PS	08/20/25 16:27		Jaswal	OK
48	Q2814-01	TW-84SB-E	SAM	08/20/25 16:31		Jaswal	OK
49	CCV04	CCV04	CCV	08/20/25 16:35		Jaswal	OK
50	CCB04	CCB04	CCB	08/20/25 16:39		Jaswal	OK
51	Q2814-03	TW-17M-W	SAM	08/20/25 16:43		Jaswal	OK
52	Q2814-22	TW-84SB-E	SAM	08/20/25 16:47		Jaswal	OK
53	Q2814-23	TW-17M-W	SAM	08/20/25 16:52		Jaswal	OK
54	Q2815-20	TW-11M-W	SAM	08/20/25 16:56	Not use	Jaswal	Not Ok
55	Q2815-25	TW-11M-W	SAM	08/20/25 17:00		Jaswal	OK
56	PB169301TB	PB169301TB	MB	08/20/25 17:04		Jaswal	OK
57	CCV05	CCV05	CCV	08/20/25 17:09		Jaswal	OK
58	CCB05	CCB05	CCB	08/20/25 17:13		Jaswal	OK

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB169293

SOP ID : M7470A-Mercury-20

SDG No : N/A

Matrix : WATER

Pippete ID: HG A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #1

Block ID: 1. HOT BLOCK #1 2. N/A

Start Digest Date: 08/19/2025 **Time :** 11:30 **Temp :** 96 °C

End Digest Date: 08/19/2025 **Time :** 13:30 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: MP

Supervisor Signature: MP

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP86838
CCV	30mL	MP86840
CRA	30mL	MP86842
Blank Spike	0.48mL	MP86831
Matrix Spike	0.48ml	MP86831

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.25mL	MP85892
KMnO4 (5%)	4.5ml	MP85893
K2S2O8 (5%)	2.4mL	MP85894
Hydroxylamine HCL (12%)	1.8mL	MP86830
N/A	N/A	N/A
N/A	N/A	N/A
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	MP86832
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP86833
2.5 ppb	S2.5	30mL	MP86834
5.0 ppb	S5.0	30mL	MP86835
7.5 ppb	S7.5	30mL	MP86836
10.0 ppb	S10.0	30mL	MP86837
ICV	ICV	30mL	MP86838
ICB	ICB	30mL	MP86839
CCV	CCV	30mL	MP86840
CCB	CCB	30mL	MP86841
CRI	CRI	30mL	MP86842
CHK STD	CHK STD	30mL	MP86843

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08119125 ~~13:30~~ 13:50	MP bld lab	MB - metals
	Preparation Group	**Analysis Group**

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB169293BL	PBW293	30	30	<2	N/A	3-1
PB169293BS	LCS293	30	30	<2	MP86831	2
PB169293TB	LEB293	30	30	<2	N/A	3
Q2818-04	B-2-5-1	30	30	<2	N/A	4
Q2818-05	B-3-5-2	30	30	<2	N/A	5
Q2879-02	OU4-TS-GRILLO-TSCP03-081425	30	30	<2	N/A	6
Q2879-04	OU4-TS-GRILLO-TSCP04-081425	30	30	<2	N/A	7
Q2879-06	OU4-TS-GRILLO-TSCP05-081425	30	30	<2	N/A	8
Q2879-08	OU4-TS-GRILLO-TSCP06-081425	30	30	<2	N/A	9
Q2879-10	OU4-TS-GRILLO-TSCP07-081425	30	30	<2	N/A	10
Q2879-12	OU4-TS-GRILLO-TSCP08-081425	30	30	<2	N/A	11
Q2879-14	OU4-TS-GRILLO-TSCP09-081425	30	30	<2	N/A	12
Q2879-16	OU4-TS-GRILLO-TSCP10-081425	30	30	<2	N/A	13
Q2879-18	OU4-TS-GRILLO-TSCP11-081425	30	30	<2	N/A	14
Q2879-18DUP	OU4-TS-GRILLO-TSCP11-081425DUP	30	30	<2	N/A	15
Q2879-18MS	OU4-TS-GRILLO-TSCP11-081425MS	30	30	<2	MP86831	16
Q2879-18MSD	OU4-TS-GRILLO-TSCP11-081425MSD	30	30	<2	MP86831	17

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB169301

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pippete ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID: 1. HOT BLOCK #1 2. N/A

Start Digest Date: 08/19/2025 **Time :** 12:30 **Temp :** 97 °C

End Digest Date: 08/19/2025 **Time :** 14:32 **Temp :** 98 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SLB

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6180
LFS-2	0.25	M6181
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	3.00	M6158
1:1 HCL	5.00	MP85156
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
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#1 CELL#50 96C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/19/25 15:32	SLB met dig	SO (Metals Lab)
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB169301BL	PBW301	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	1
PB169301BS	LCS301	<2	50	50	Colorless	Colorless	Clear	Clear	M6180,M6181	2
PB169301TB	LEB301	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	8
Q2818-04	B-2-5-1	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	3
Q2818-05	B-3-5-2	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	4
Q2818-05MS	B-3-5-2MS	<2	50	50	Colorless	Colorless	Clear	Clear	M6180,M6181	6
Q2818-05MSD	B-3-5-2MSD	<2	50	50	Colorless	Colorless	Clear	Clear	M6180,M6181	7
Q2818-05DUP	B-3-5-2DUP	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	5

Alliance TECHNICAL GROUP

SPLP EXTRACTION LOGPAGE

PB169294

SOP ID : M1312-SPLP-10

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-2

TCLP Filter ID : 115525

Start Prep Date : 08/18/2025 **Time :** 15:00

End Prep Date : 08/19/2025 **Time :** 08:25

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 22 °C

Final Room Temperature: 21 °C

TCLP Technician Signature : JP

Supervisor By : RM

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
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 U	Lot Number
SPLP FLUID	N/A	WP112802
N/A	N/A	N/A
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	W3166,W1938,W1939,
N/A	N/A	N/A
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. Particle size reduction is not required. q2818-05 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/19/25 10:30	JP TCLP Room	SKS. Mid DIG.
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

SPLP EXTRACTION LOGPAGE

PB169294

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB169294TB	LEB294	13	N/A	2000	N/A	N/A	N/A	4.23	1.5	T-2
Q2818-04	B-2-5-1	11	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-2
Q2818-05	B-3-5-2	12	100.03	2000	N/A	N/A	N/A	3.0	1.0	T-2

Alliance TECHNICAL GROUP

SPLP Solid Determination

PB169294

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB169294TB	LEB294	N/A	N/A	N/A	N/A	N/A	N/A
Q2818-04	B-2-5-1	N/A	N/A	N/A	N/A	100	N/A
Q2818-05	B-3-5-2	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

SPLP Fluid Determination

PB169294

Hot Block ID : WC S-1 / WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB169294TB	LEB294	N/A	N/A	N/A	N/A	#1	4.23
Q2818-04	B-2-5-1	N/A	N/A	N/A	N/A	#1	4.23
Q2818-05	B-3-5-2	N/A	N/A	N/A	N/A	#1	4.23

SAMPLE DATA

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25 08:50
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-2-5-1	SDG No.:	Q2818
Lab Sample ID:	Q2818-01	Matrix:	SOIL
		% Solid:	87.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.40		1	0.048	0.28	mg/Kg	08/11/25 12:45	08/11/25 15:00	9012B
Hexavalent Chromium	0.079	U	1	0.079	0.45	mg/Kg	08/19/25 09:00	08/19/25 12:44	7196A

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25 09:35
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-3-5-2	SDG No.:	Q2818
Lab Sample ID:	Q2818-02	Matrix:	SOIL
		% Solid:	89.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.33		1	0.045	0.27	mg/Kg	08/11/25 12:45	08/11/25 15:05	9012B
Hexavalent Chromium	0.078	U	1	0.078	0.45	mg/Kg	08/19/25 09:00	08/19/25 12:45	7196A

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

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

Initial and Continuing Calibration Verification

Client:	Earth Engineering Inc.	**SDG No.:**	Q2818
Project:	Reserve Turgyan Farms	**RunNo.:**	LB136777

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV1**						
Cyanide		mg/L	0.096	0.099	97	90-110	08/11/2025
Sample ID:	**CCV1**						
Cyanide		mg/L	0.25	0.25	100	90-110	08/11/2025
Sample ID:	**CCV2**						
Cyanide		mg/L	0.25	0.25	100	90-110	08/11/2025

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Initial and Continuing Calibration Verification

Client:	Earth Engineering Inc.	**SDG No.:**	Q2818
Project:	Reserve Turgyan Farms	**RunNo.:**	LB136872

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Hexavalent Chromium	mg/L	0.499	0.5	100	90-110	08/19/2025
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.496	0.5	99	90-110	08/19/2025
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.487	0.5	97	90-110	08/19/2025
Sample ID: CCV3						
Hexavalent Chromium	mg/L	0.493	0.5	99	90-110	08/19/2025

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Initial and Continuing Calibration Blank Summary

Client:	Earth Engineering Inc.	**SDG No.:**	Q2818
Project:	Reserve Turgyan Farms	**RunNo.:**	LB136777

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	**ICB1**							
Cyanide		mg/L	0.0014	0.0025	J	0.00096	0.005	08/11/2025
Sample ID:	**CCB1**							
Cyanide		mg/L	0.0016	0.0025	J	0.00096	0.005	08/11/2025
Sample ID:	**CCB2**							
Cyanide		mg/L	0.0014	0.0025	J	0.00096	0.005	08/11/2025

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Initial and Continuing Calibration Blank Summary

Client:	Earth Engineering Inc.	**SDG No.:**	Q2818
Project:	Reserve Turgyan Farms	**RunNo.:**	LB136872

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	08/19/2025
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	08/19/2025
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	08/19/2025
Sample ID: CCB3							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	08/19/2025

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Preparation Blank Summary

Client: Earth Engineering Inc. **SDG No.:** Q2818

Project: Reserve Turgyan Farms

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: PB169197BL							
Cyanide	mg/Kg	0.057	0.1250	J	0.042	0.25	08/11/2025
Sample ID: PB169305BL							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.07	0.4	08/19/2025

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Matrix Spike Summary

Client: Earth Engineering Inc.
SDG No.: Q2818
Project: Reserve Turgyan Farms
Sample ID: Q2818-01
Client ID: B-2-5-1MS
Percent Solids for Spike Sample: 87.5

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	2.40		0.40		2.2	1	91		08/11/2025

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Matrix Spike Summary

Client: Earth Engineering Inc.
SDG No.: Q2818
Project: Reserve Turgyan Farms
Sample ID: Q2818-01
Client ID: B-2-5-1MSD
Percent Solids for Spike Sample: 87.5

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	2.50		0.40		2.3	1	91		08/11/2025

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Fax : 908 789 8922

Matrix Spike Summary

Client: Earth Engineering Inc.
SDG No.: Q2818
Project: Reserve Turgyan Farms
Sample ID: Q2888-01
Client ID: VNJ-210MS
Percent Solids for Spike Sample: 94.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	1280		0.073	U	1350	40	95		08/19/2025

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Matrix Spike Summary

Client: Earth Engineering Inc.
SDG No.: Q2818
Project: Reserve Turgyan Farms
Sample ID: Q2888-01
Client ID: VNJ-210MS
Percent Solids for Spike Sample: 94.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	85-115	38.3		0.073	U	42.1	2	91		08/19/2025

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Matrix Spike Summary

Client: Earth Engineering Inc.
SDG No.: Q2818
Project: Reserve Turgyan Farms
Sample ID: Q2888-01
Client ID: VNJ-210MS
Percent Solids for Spike Sample: 94.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	33.4		0.073	U	42.1	2	79		08/19/2025

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Duplicate Sample Summary

Client: Earth Engineering Inc.
SDG No.: Q2818
Project: Reserve Turgyan Farms
Sample ID: Q2818-01
Client ID: B-2-5-1DUP
Percent Solids for Spike Sample: 87.5

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	0.40		0.39		1	3		08/11/2025

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Duplicate Sample Summary

Client: Earth Engineering Inc.
SDG No.: Q2818
Project: Reserve Turgyan Farms
Sample ID: Q2818-01
Client ID: B-2-5-1MSD
Percent Solids for Spike Sample: 87.5

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	2.40		2.50		1	4		08/11/2025

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Duplicate Sample Summary

Client: Earth Engineering Inc.
SDG No.: Q2818
Project: Reserve Turgyan Farms
Sample ID: Q2888-01
Client ID: VNJ-210DUP
Percent Solids for Spike Sample: 94.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.073	U	0.072	U	1	0		08/19/2025

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Laboratory Control Sample Summary

Client:	Earth Engineering Inc.	**SDG No.:**	Q2818
Project:	Reserve Turgyan Farms	**Run No.:**	LB136777

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB169197BS								
Cyanide	mg/Kg	5	4.80		96	1	85-115	08/11/2025

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Fax : 908 789 8922

Laboratory Control Sample Summary

Client:	Earth Engineering Inc.	**SDG No.:**	Q2818
Project:	Reserve Turgyan Farms	**Run No.:**	LB136872

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB169305BS								
Hexavalent Chromium	mg/Kg	20	19.7		98	1	84-110	08/19/2025

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

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB136777

Review By	rubina	Review On	8/12/2025 8:10:38 AM
Supervise By	Sohil	Supervise On	8/12/2025 3:09:49 PM
SubDirectory	LB136777	Test	Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP114243,WP114244,WP114245,WP114246,WP114247,WP114248,WP114249
ICV Standard	W3012
CCV Standard	WP114244
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP113838
Chk Standard	WP112643,WP112900,WP114251

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	08/11/25 10:04		rubina	OK
2	5.0PPBCN	5.0PPBCN	CAL2	08/11/25 10:04		rubina	OK
3	10PPBCN	10PPBCN	CAL3	08/11/25 10:04		rubina	OK
4	50PPBCN	50PPBCN	CAL4	08/11/25 10:04		rubina	OK
5	100PPBCN	100PPBCN	CAL5	08/11/25 10:04		rubina	OK
6	250PPBCN	250PPBCN	CAL6	08/11/25 10:04		rubina	OK
7	500PPBCN	500PPBCN	CAL7	08/11/25 10:04		rubina	OK
8	ICV1	ICV1	ICV	08/11/25 14:52		rubina	OK
9	ICB1	ICB1	ICB	08/11/25 14:53		rubina	OK
10	CCV1	CCV1	CCV	08/11/25 14:53		rubina	OK
11	CCB1	CCB1	CCB	08/11/25 14:53		rubina	OK
12	PB169197BL	PB169197BL	MB	08/11/25 14:53		rubina	OK
13	PB169197BS	PB169197BS	LCS	08/11/25 15:00		rubina	OK
14	Q2818-01	B-2-5-1	SAM	08/11/25 15:00		rubina	OK
15	Q2818-01DUP	B-2-5-1DUP	DUP	08/11/25 15:00		rubina	OK
16	Q2818-01MS	B-2-5-1MS	MS	08/11/25 15:00		rubina	OK
17	Q2818-01MSD	B-2-5-1MSD	MSD	08/11/25 15:00		rubina	OK
18	Q2818-02	B-3-5-2	SAM	08/11/25 15:05		rubina	OK

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

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB136777

Review By	rubina	Review On	8/12/2025 8:10:38 AM
Supervise By	Sohil	Supervise On	8/12/2025 3:09:49 PM
SubDirectory	LB136777	Test	Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP114243,WP114244,WP114245,WP114246,WP114247,WP114248,WP114249
ICV Standard	W3012
CCV Standard	WP114244
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP113838
Chk Standard	WP112643,WP112900,WP114251

19	CCV2	CCV2	CCV	08/11/25 15:05		rubina	OK
20	CCB2	CCB2	CCB	08/11/25 15:05		rubina	OK

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

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136872

Review By	Eman	Review On	8/19/2025 1:19:09 PM
Supervise By	jignesh	Supervise On	8/19/2025 2:51:17 PM
SubDirectory	LB136872	Test	Hexavalent Chromium

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP112831,WP112830,WP114312,WP114310,WP114313

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	08/19/25 12:30		Eman	OK
2	CAL2	CAL2	CAL	08/19/25 12:31		Eman	OK
3	CAL3	CAL3	CAL	08/19/25 12:32		Eman	OK
4	CAL4	CAL4	CAL	08/19/25 12:33		Eman	OK
5	CAL5	CAL5	CAL	08/19/25 12:34		Eman	OK
6	CAL6	CAL6	CAL	08/19/25 12:35		Eman	OK
7	CAL7	CAL7	CAL	08/19/25 12:36		Eman	OK
8	ICV	ICV	ICV	08/19/25 12:37		Eman	OK
9	ICB	ICB	ICB	08/19/25 12:38		Eman	OK
10	CCV1	CCV1	CCV	08/19/25 12:39		Eman	OK
11	CCB1	CCB1	CCB	08/19/25 12:40		Eman	OK
12	RL Check	RL Check	RL	08/19/25 12:41		Eman	OK
13	PB169305BL	PB169305BL	MB	08/19/25 12:42		Eman	OK
14	PB169305BS	PB169305BS	LCS	08/19/25 12:43		Eman	OK
15	Q2818-01	B-2-5-1	SAM	08/19/25 12:44		Eman	OK
16	Q2818-02	B-3-5-2	SAM	08/19/25 12:45		Eman	OK
17	Q2888-01	VNJ-210	SAM	08/19/25 12:46		Eman	OK
18	Q2888-01DUP	VNJ-210DUP	DUP	08/19/25 12:47		Eman	OK

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

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136872

Review By	Eman	Review On	8/19/2025 1:19:09 PM
Supervise By	jignesh	Supervise On	8/19/2025 2:51:17 PM
SubDirectory	LB136872	Test	Hexavalent Chromium

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP112831,WP112830,WP114312,WP114310,WP114313

19	Q2888-01MSPre	VNJ-210MS	MS	08/19/25 12:48		Eman	OK
20	Q2888-01MS2Ins	VNJ-210MS	MS	08/19/25 12:49		Eman	OK
21	Q2888-01MS3Post	VNJ-210MS	MS	08/19/25 12:50		Eman	OK
22	Q2893-01	LOD-MDL-SOIL-01-Q	SAM	08/19/25 12:51		Eman	OK
23	CCV2	CCV2	CCV	08/19/25 12:52		Eman	OK
24	CCB2	CCB2	CCB	08/19/25 12:53		Eman	OK
25	Q2893-02	LOQ-SOIL-02-QT3-20	SAM	08/19/25 12:54		Eman	OK
26	CCV3	CCV3	CCV	08/19/25 12:55		Eman	OK
27	CCB3	CCB3	CCB	08/19/25 12:56		Eman	OK

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LAB CHRONICLE

OrderID:	Q2818	**OrderDate:**	8/11/2025 11:57:00 AM
Client:	Earth Engineering Inc.	**Project:**	Reserve Turgyan Farms
Contact:	Frank Dougherty, LSRP	**Location:**	J21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2818-01	**B-2-5-1**	**SOIL**			**08/11/25 08:50**			**08/11/25**
			Cyanide	9012B		08/11/25	08/11/25 15:00	
			Hexavalent Chromium	7196A		08/19/25	08/19/25 12:44	
Q2818-02	**B-3-5-2**	**SOIL**			**08/11/25 09:35**			**08/11/25**
			Cyanide	9012B		08/11/25	08/11/25 15:05	
			Hexavalent Chromium	7196A		08/19/25	08/19/25 12:45	

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Soil/Sludge Cyanide Preparation Sheet

PB169197

12

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-21

SDG No : N/A

Start Digest Date: 08/11/2025 **Time :** 12:45 **Temp :** 123 °C

Matrix : SOIL

End Digest Date: 08/11/2025 **Time :** 14:15 **Temp :** 126 °C

Pippete ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#1 **Digestion tube ID :** M5595 **Block Thermometer ID :** WC CYANIDE

Block ID : MC-1 **Filter paper ID :** N/A **Prep Technician Signature:** JP

Weigh By : JP **pH Meter ID :** N/A **Supervisor Signature:** [signature]

Standared Name	MLS USED	STD REF. # FROM LOG
LCSS	1.0ML	WP113838
MS/MSD SPIKE SOL.	0.40ML	WP113837
PBS003	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.25N NaOH	50.0ML	WP113836
50% v/v H2SO4	5.0ML	WP112826
51% w/v MgCL2	2.0ML	WP112827
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
S0	S0	N/A	N/A
S5.0	S5.0	N/A	N/A
S10.0	S10.0	N/A	N/A
S100.0	S100.0	N/A	N/A
S250.0	S250.0	N/A	N/A
S500.0	S500.0	N/A	N/A
ICV	ICV	N/A	AS PER PB169168
ICB	ICB	N/A	N/A
CCV	CCV	N/A	N/A
CCB	CCB	N/A	N/A
Midrange	Midrange	N/A	N/A
HIGHSTD	HIGHSTD	N/A	AS PER PB169168
LOWSTD	LOWSTD	N/A	AS PER PB169168

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/11/2025 14:25	JP / WC	RM (WC)
	Preparation Group	Analysis Group

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Soil/Sludge Cyanide Preparation Sheet

PB169197

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB169197BL	PBS197	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
PB169197BS	LCS197	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2818-01DUP	B-2-5-1DUP	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2818-01MS	B-2-5-1MS	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2818-01MSD	B-2-5-1MSD	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2818-01	B-2-5-1	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2818-02	B-3-5-2	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A

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Soil/Sludge Hexavalent Chromium Preparation Sheet

PB169305

12

SOP ID : M3060A,7196A-Hex.Chromium-27

SDG No : N/A

Start Digest Date: 08/19/2025 **Time :** 09:00 **Temp :** 90 °C

Matrix : SOIL

End Digest Date: 08/19/2025 **Time :** 10:00 **Temp :** 95 °C

Pippete ID : WC

II below 08/19/2025 10:30 90 c
08/19/2025 11:30 94 c

Balance ID : WC SC-7

Hood ID : HOOD#3 **Digestion tube ID :** M6054 **Block Thermometer ID :** WC-Block#1

Block ID : WC S-2, WC S-1 **Filter paper ID :** 400213 **Prep Technician Signature:** RM

Weigh By : RM **pH Meter ID :** WC pH meter-1 **Supervisor Signature:**

Standared Name	MLS USED	STD REF. # FROM LOG
PRE-DIGESTION SPIKE	2.0ML	WP113880
INSOLUBLE SPIKE	0.02GM	W2202
POST-DIGESTION SPIKE	2.0ML	WP113880
LCSS	1.0ML	WP113881
PBS003	50.ML	W3112

Chemical Used	ML/SAMPLE USED	Lot Number
MAGNESIUM CHLORIDE	0.4GM	W3152
PHOSPHATE BUFFER	0.5ML	WP112903
HEX. DIGESTION SOLN.	50.0ML	WP114057
5M HNO3	5-7ML	WP112830
5N H2SO4	1-3ML	WP112831
N/A	N/A	N/A
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	Vol(ml)	Comment
CAL1	CAL1	2.5ML	W3112
CAL2	CAL2	0.2ML	WP114309
CAL3	CAL3	0.5ML	WP114309
CAL4	CAL4	1ML	WP114309
CAL5	CAL5	0.2ML	WP113880
CAL6	CAL6	1ML	WP113880
CAL7	CAL7	2.0ML	WP113880
ICV	ICV	1ML	WP113881
ICB	ICB	2.5ML	W3112
CCV	CCV	1ML	WP113880
CCB	CCB	2.5ML	W3112

08/19/2025 RM

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
	Preparation Group	Analysis Group

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Soil/Sludge Hexavalent Chromium Preparation Sheet

PB169305

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB169305BL	PBS305	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
PB169305BS	LCS305	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2818-01	B-2-5-1	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2818-02	B-3-5-2	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2888-01	VNJ-210	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2888-01DUP	VNJ-210DUP	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2888-01MSPre	VNJ-210MSPRE	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2888-01MS2Ins	VNJ-210MS2INS	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2888-01MS3Post	VNJ-210MS3POST	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2893-01	LOD-MDL-SOIL-01-QT3-2025	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2893-02	LOQ-SOIL-02-QT3-2025	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q2818
QUOTE NO.
COC Number 2047493

13
13.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: EARTH ENGINEERING INCORPORATED
ADDRESS: 403 Commerce Lane
CITY West Berlin STATE: NJ ZIP: 08091
ATTENTION: Frank Dougherty
PHONE: 856-768-1001 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Reserve @ Turgyan Farms
PROJECT NO. 38745.JO LOCATION: NJ
PROJECT MANAGER: Frank DOUGHERTY
e-mail: Frankd@earthengineering.com
PHONE: 856-768-1001 FAX:

CLIENT BILLING INFORMATION

BILL TO: SAME PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) 3 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/TAL 2: EPH AF 3. 4 5 6 7 8 9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	B-2-5-1	Soil		X	8-11-25	8:50	3	X	X								
2.	B-3-5-2	Soil		X	8-11-25	9:35	3	X	X								
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.		1 1147 8-11-25
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 6 of 6 °C
Comments:

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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

DP 08/16/2025

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2818 EARTH03
Client Name : Earth Engineering Inc.
Client Contact : Frank Dougherty, LSRP
Invoice Name : Earth Engineering Inc.
Invoice Contact : Frank Dougherty, LSRP

Order Date : 8/11/2025 11:57:00 AM
Project Name : ~~Leon Avenue~~ Reserve Turgyan Farms
Receive DateTime : 8/11/2025 11:47:00 AM
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2818-01	B-2-5-1	Solid	08/11/2025	08:50					
					VOC-TCLVOA-10	TCL+30/TAL	8260D		3 Bus. Days
Q2818-02	B-3-5-2	Solid	08/11/2025	09:35					
					VOC-TCLVOA-10	TCL+30/TAL	8260D		3 Bus. Days

JAN

stored in VOA Frz #02 after preservation

Relinquished By :
Date / Time : 8-11-25 1240

Received By :
Date / Time : 8-11-25 12:40 pm

Storage Area : VOA Refridgerator Room