284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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# 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 |

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Signature : APPROVED
Sohil Jodhani, QA/QC Director , 8/25/2025, 8:41:15 AM

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<br>**"P"** for ICP instrument<br>**"PM"** for ICP when Microwave Digestion is used<br>**"CV"** for Manual Cold Vapor AA<br>**"AV"** for automated Cold Vapor AA<br>**"CA"** for MIDI-Distillation Spectrophotometric<br>**"AS"** for Semi –Automated Spectrophotometric<br>**"C"** for Manual Spectrophotometric<br>**"T"** for Titrimetric<br>**"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:<br>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)<br>(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

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



# 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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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: | 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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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: | 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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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: | 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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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: | 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

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



## 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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Fax : 908 789 8922



# 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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Fax : 908 789 8922



# 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 | | | |

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: | |
| 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

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Fax : 908 789 8922



# 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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Fax : 908 789 8922



# 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

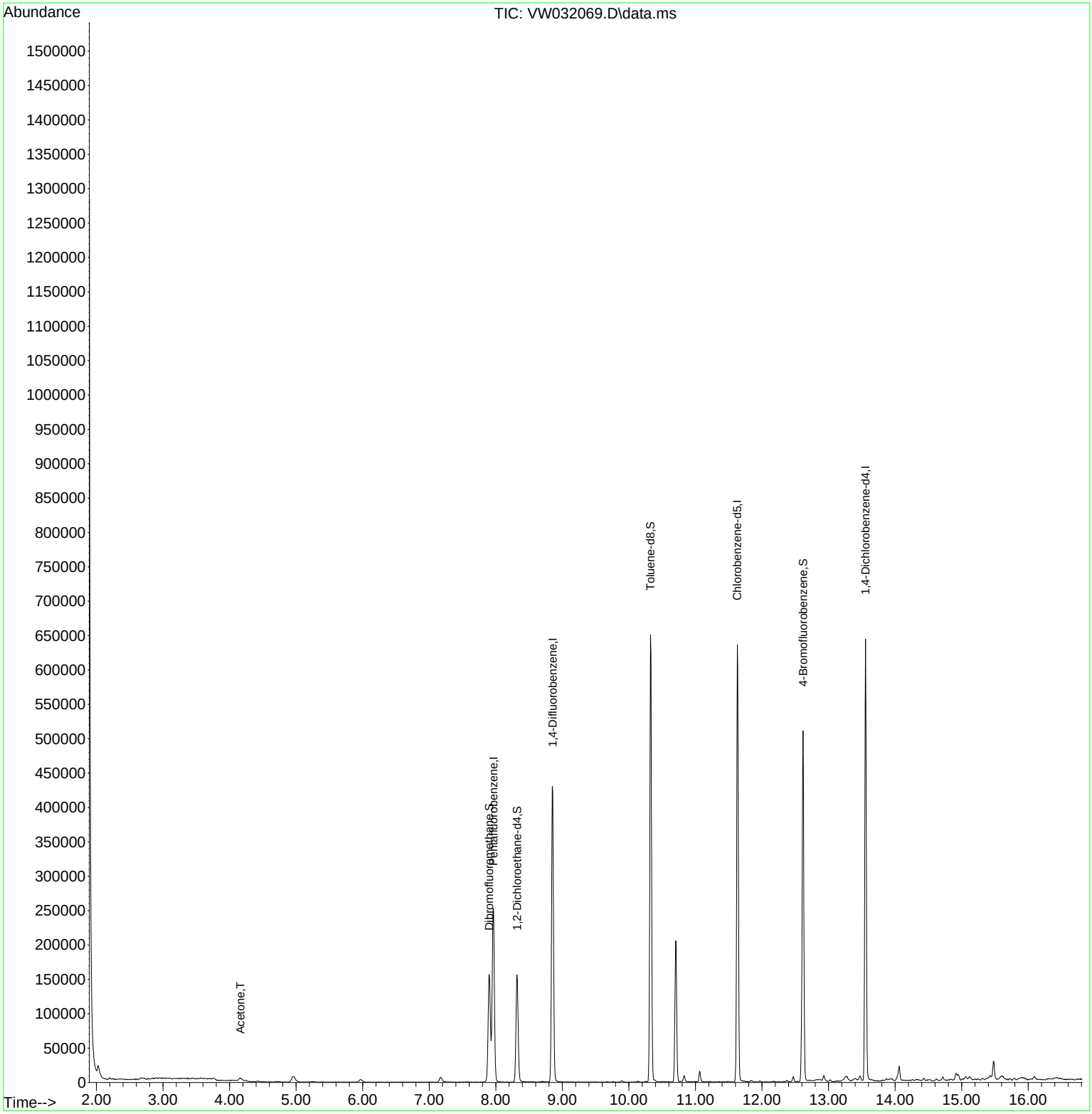
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.965 | 168 | 174717 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.856 | 114 | 370548 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.629 | 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 |

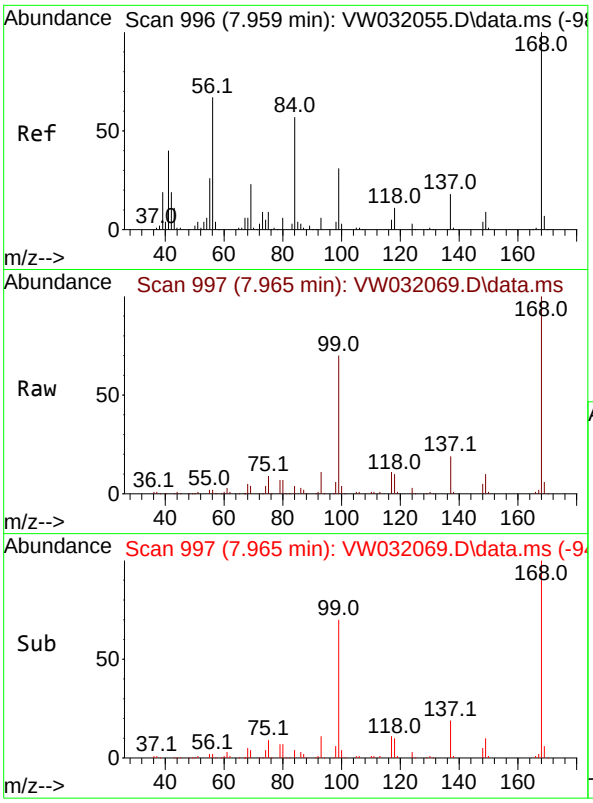
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



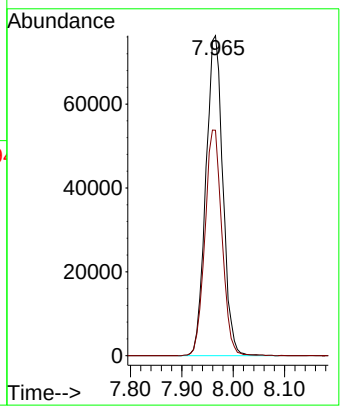


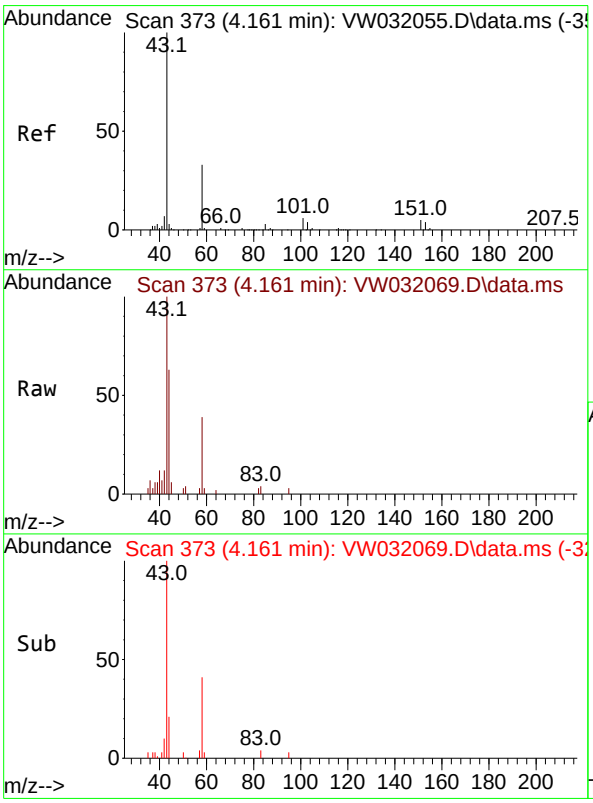

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

**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 |

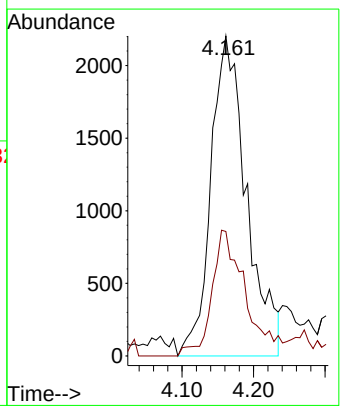


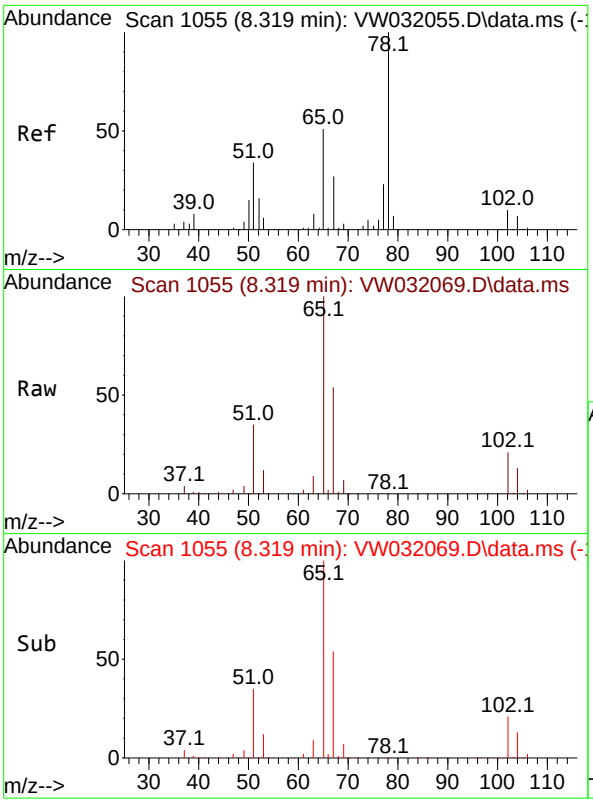




#16
Acetone
Concen: 13.062 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

Tgt Ion: 43 Resp: 7642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.9 | 26.6 | 39.8 |



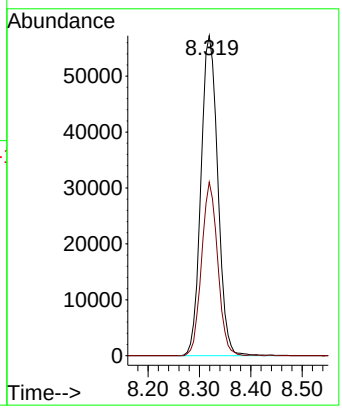


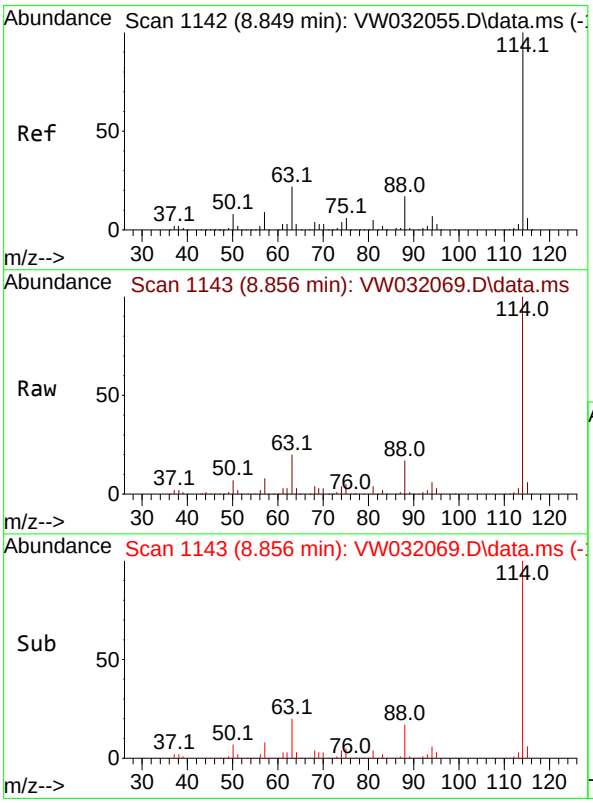

#33
1,2-Dichloroethane-d4
Concen: 51.524 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

**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 |

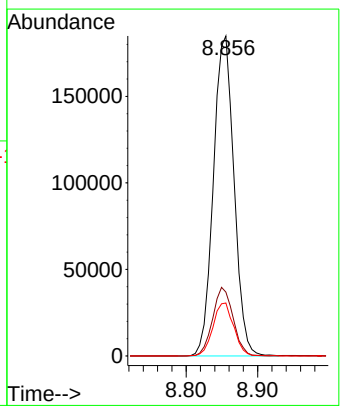


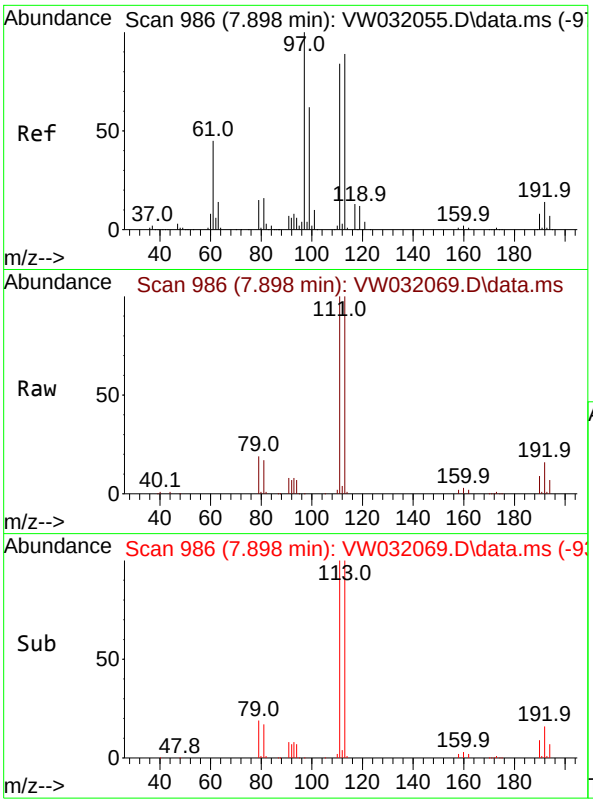




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.856 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

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 |



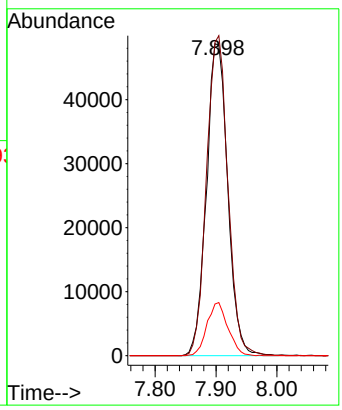


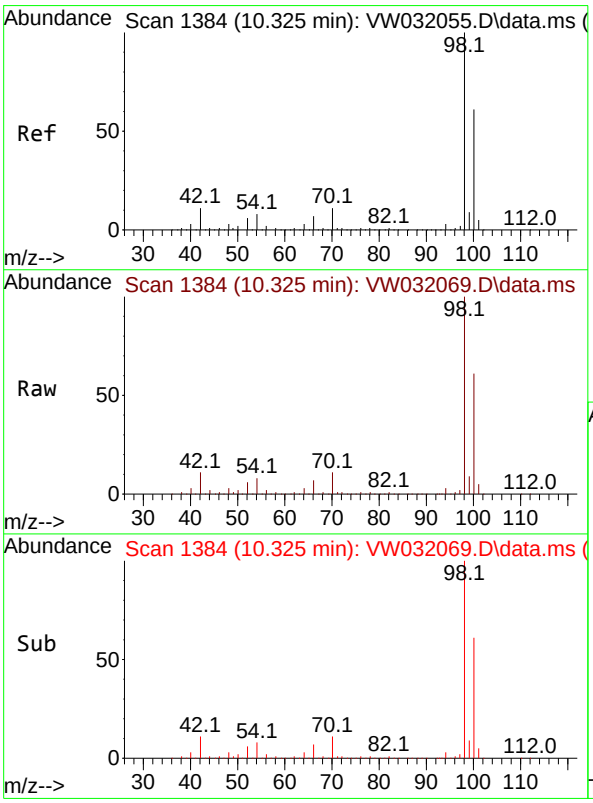

#35
Dibromofluoromethane
Concen: 49.604 ug/l
RT: 7.898 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

**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 |

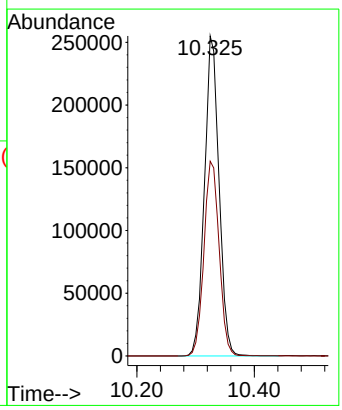


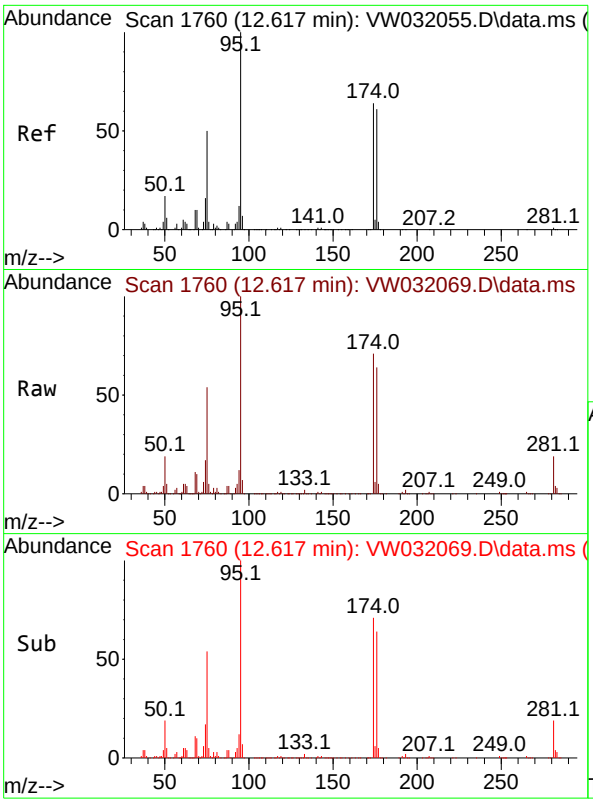




#50
Toluene-d8
Concen: 49.669 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

Tgt Ion: 98 Resp: 439783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.5 | 51.1 | 76.7 |



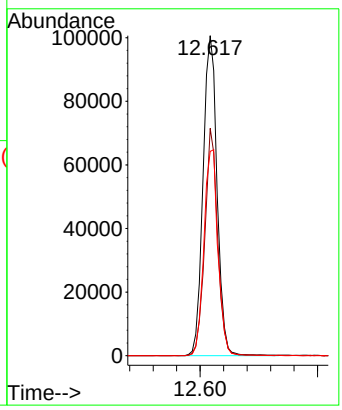


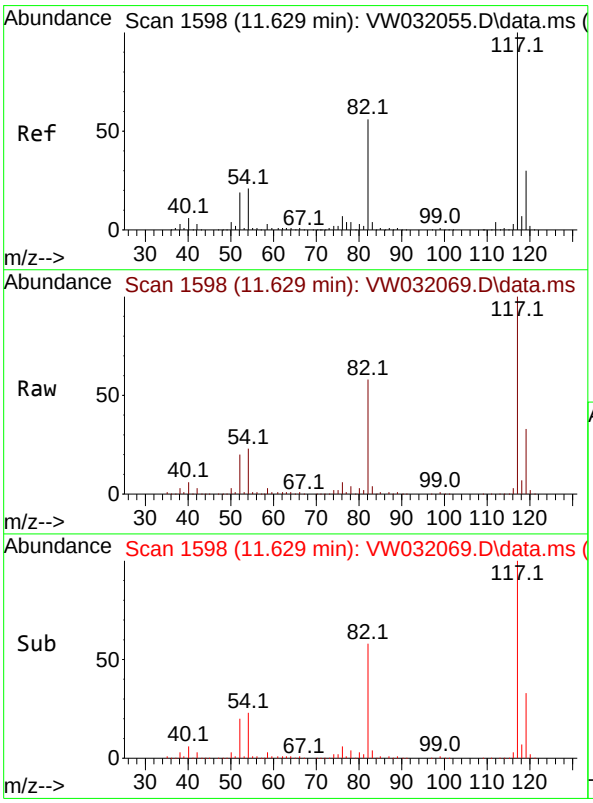

#62
4-Bromofluorobenzene
Concen: 51.006 ug/l
RT: 12.617 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

**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 |

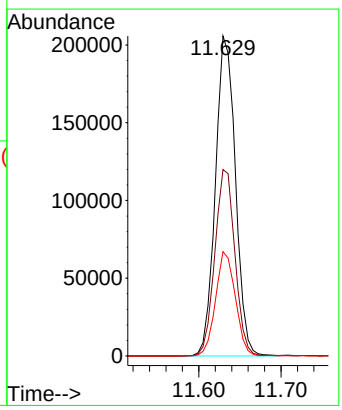


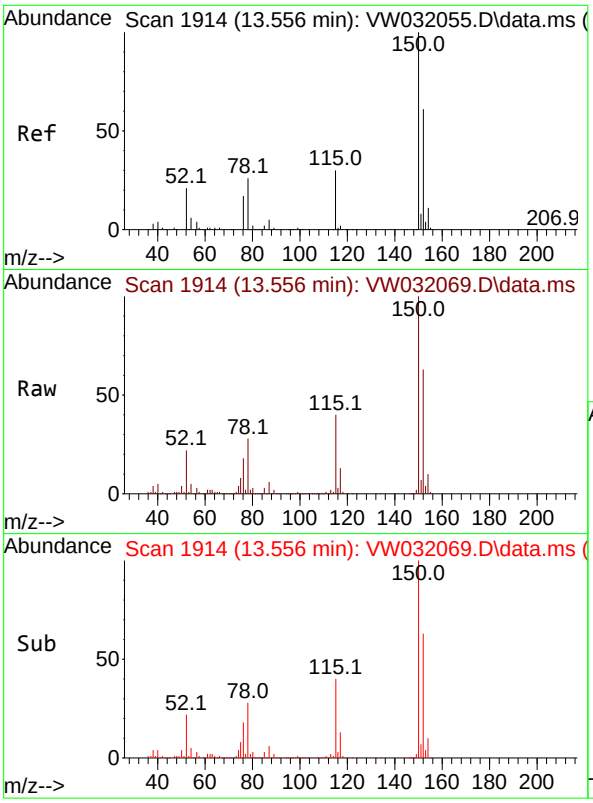




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

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 |



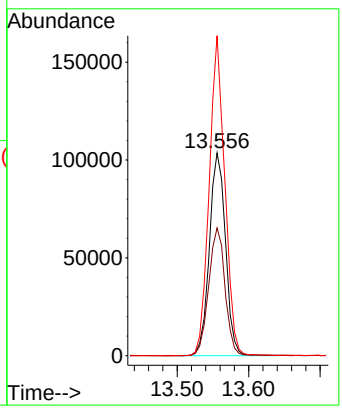



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

**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% |

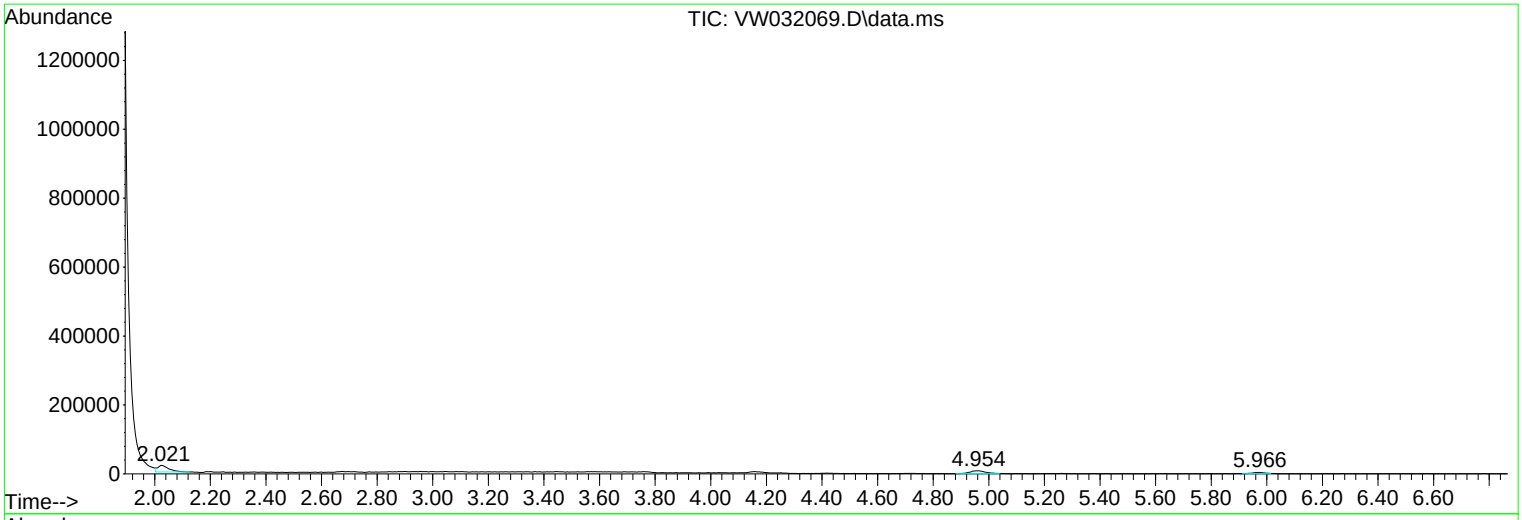
Sum of corrected areas: 7052660

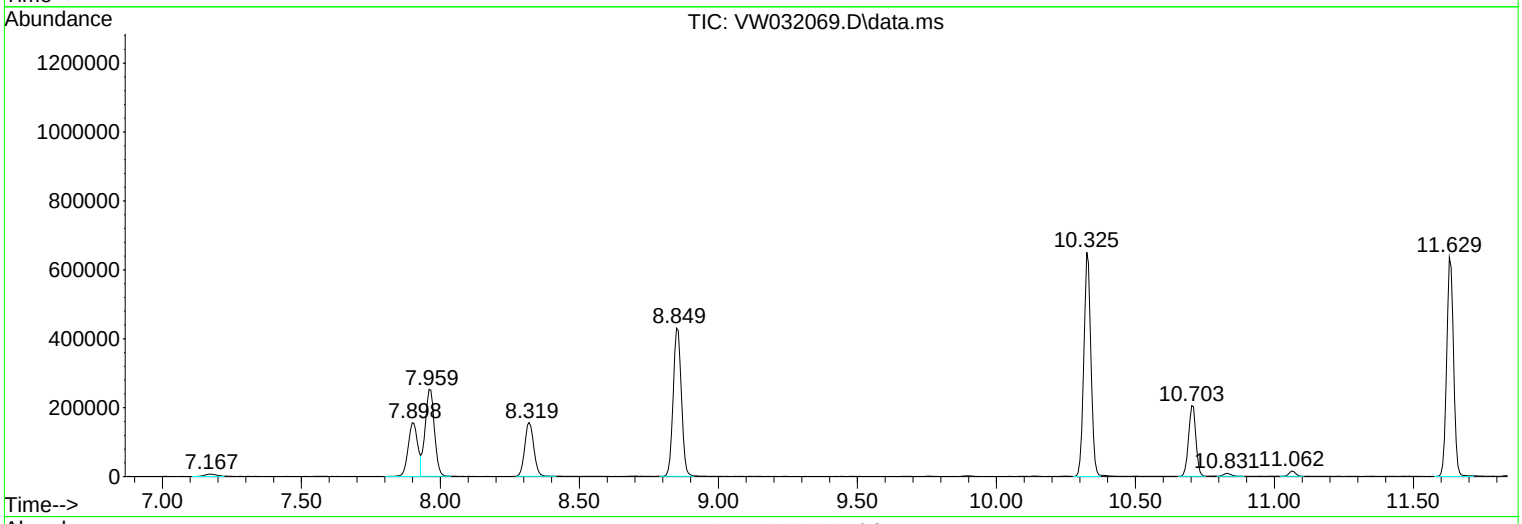
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032069.D
Acq On : 11 Aug 2025 16:12
Operator : SY/MD
Sample : Q2818-01
Misc : 5.38g/5mL/MSVOA_W/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

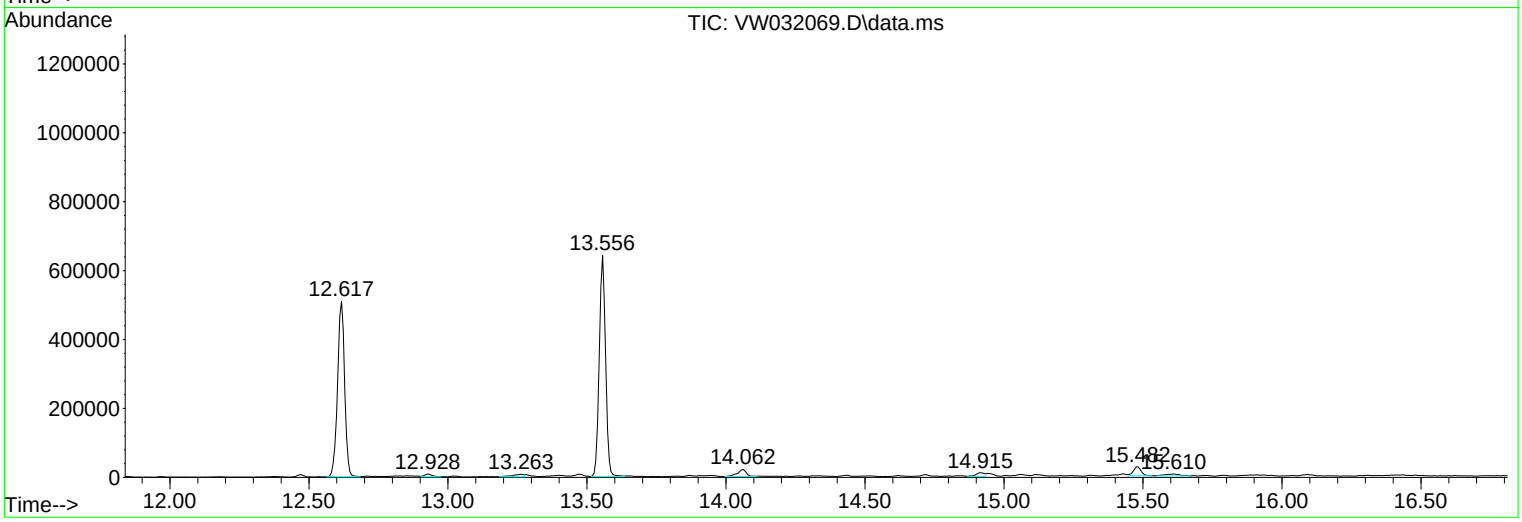
**Instrument :**
MSVOA_W
**ClientSampleId :**
B-2-5-1

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

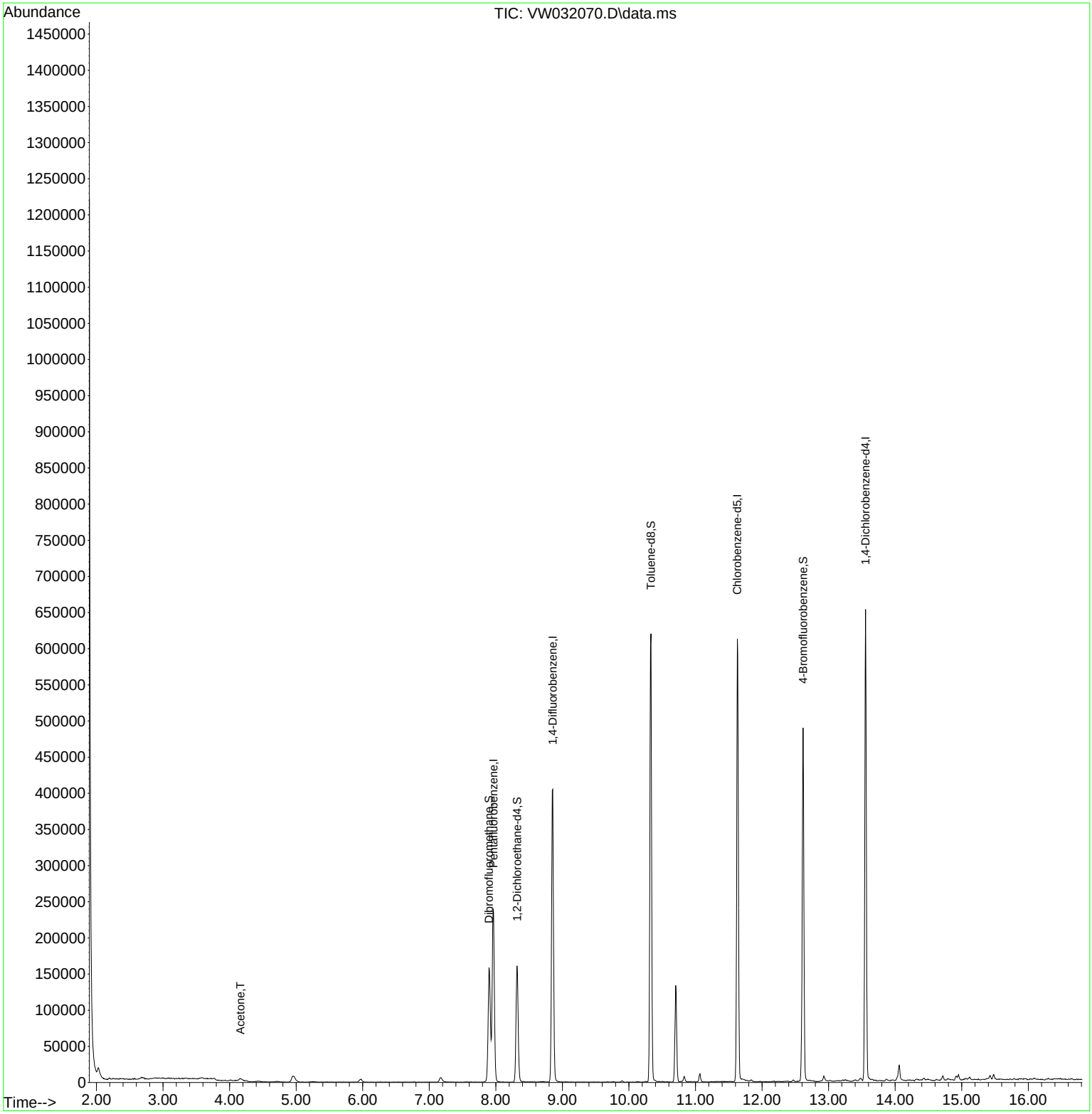
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.965 | 168 | 163499 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.855 | 114 | 344516 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.629 | 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 |

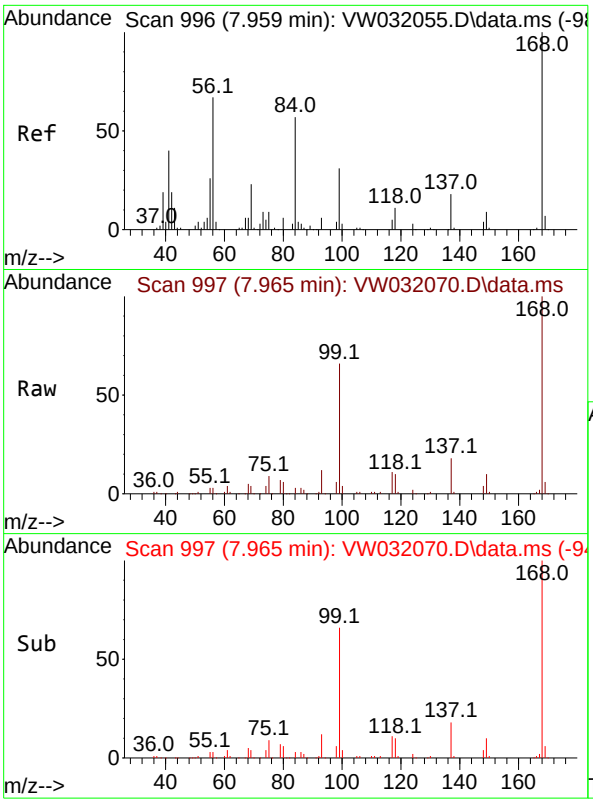
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



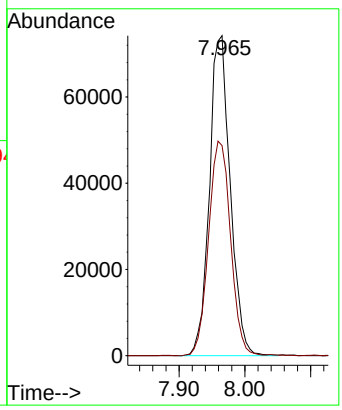


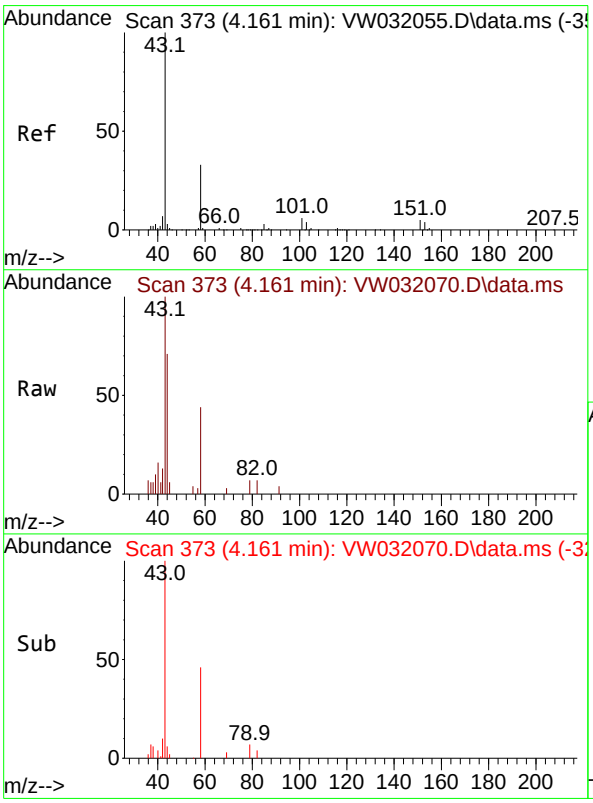

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW032070.D
Acq: 11 Aug 2025 16:34

**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 |

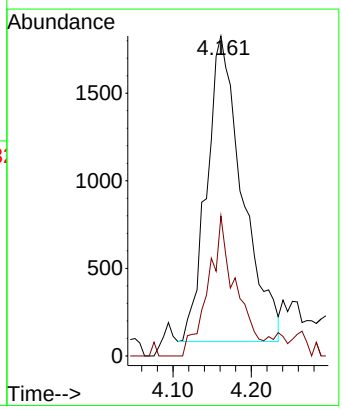


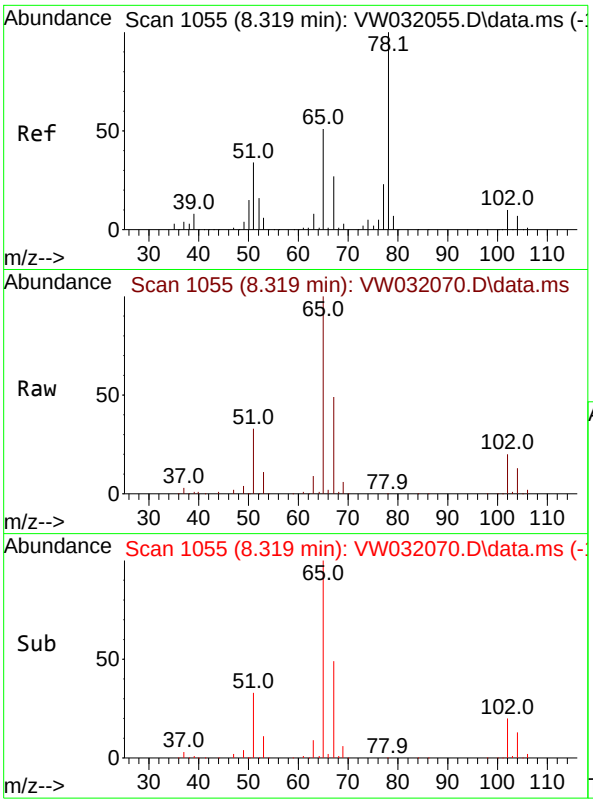




#16
Acetone
Concen: 10.077 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032070.D
Acq: 11 Aug 2025 16:34

Tgt Ion: 43 Resp: 5517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 45.8 | 26.6 | 39.8# |



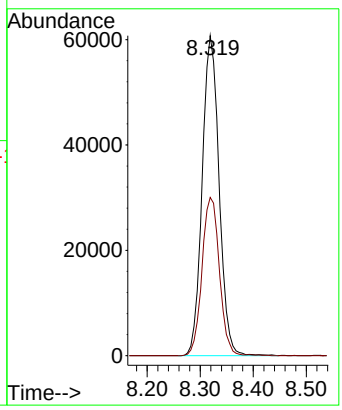


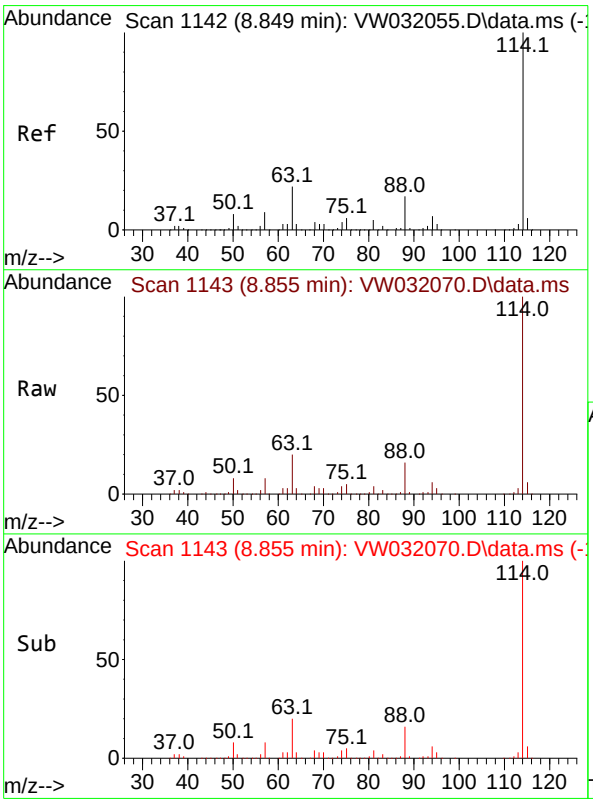

#33
1,2-Dichloroethane-d4
Concen: 56.829 ug/l
RT: 8.319 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032070.D
Acq: 11 Aug 2025 16:34

**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 |

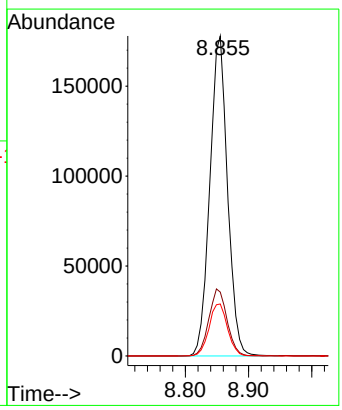


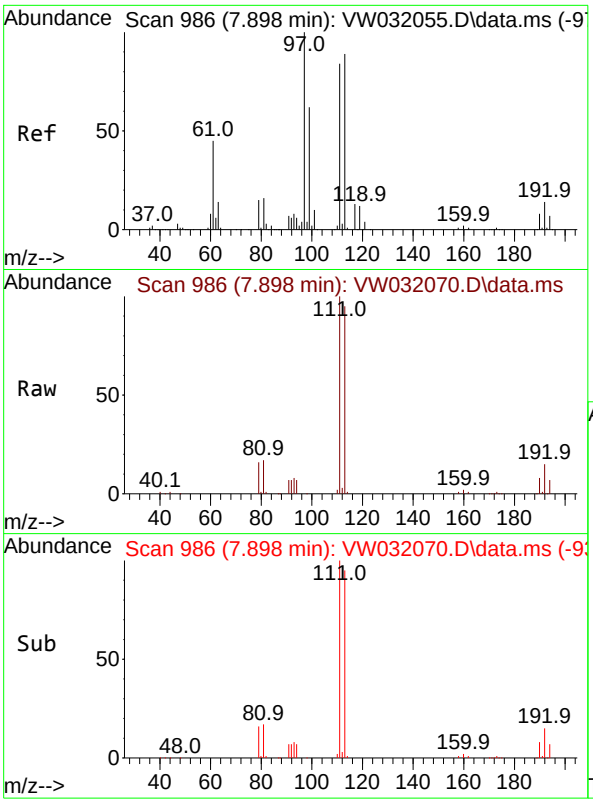




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032070.D
Acq: 11 Aug 2025 16:34

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 |



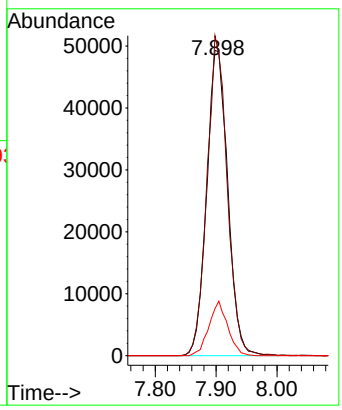


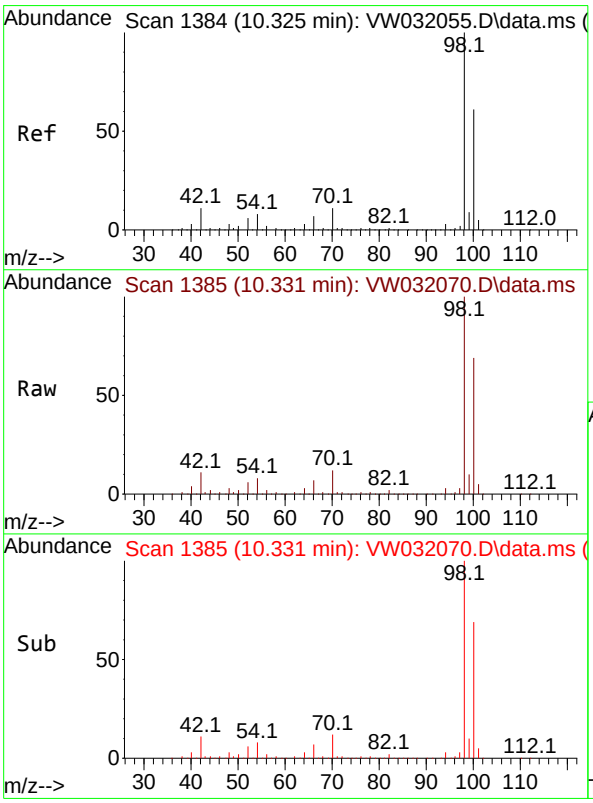

#35
Dibromofluoromethane
Concen: 53.467 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032070.D
Acq: 11 Aug 2025 16:34

**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 |

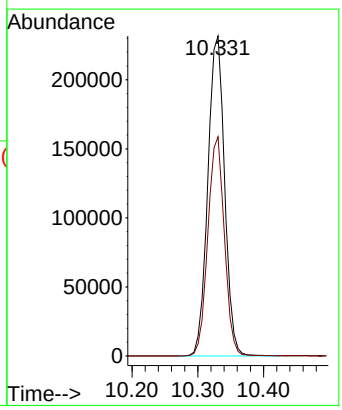


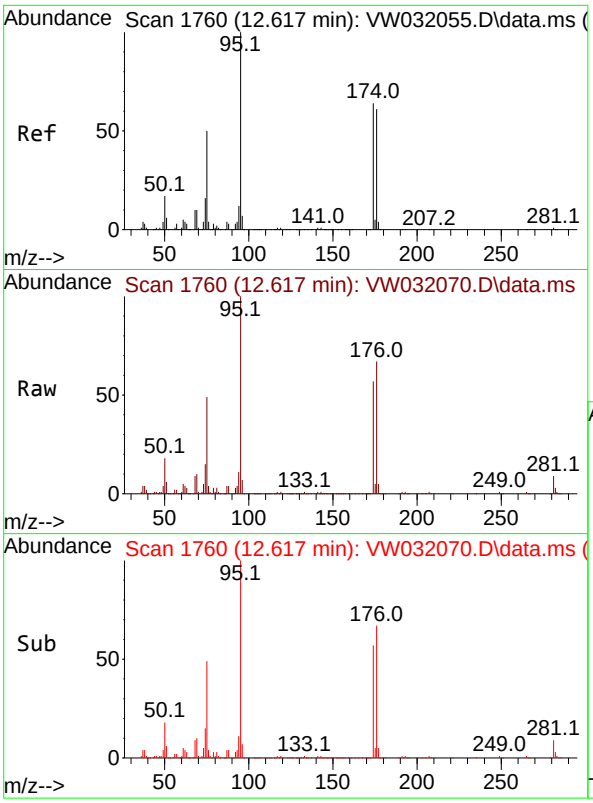




#50
Toluene-d8
Concen: 49.971 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032070.D
Acq: 11 Aug 2025 16:34

Tgt Ion: 98 Resp: 411374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.5 | 51.1 | 76.7 |



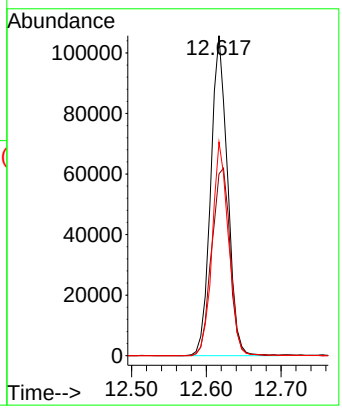


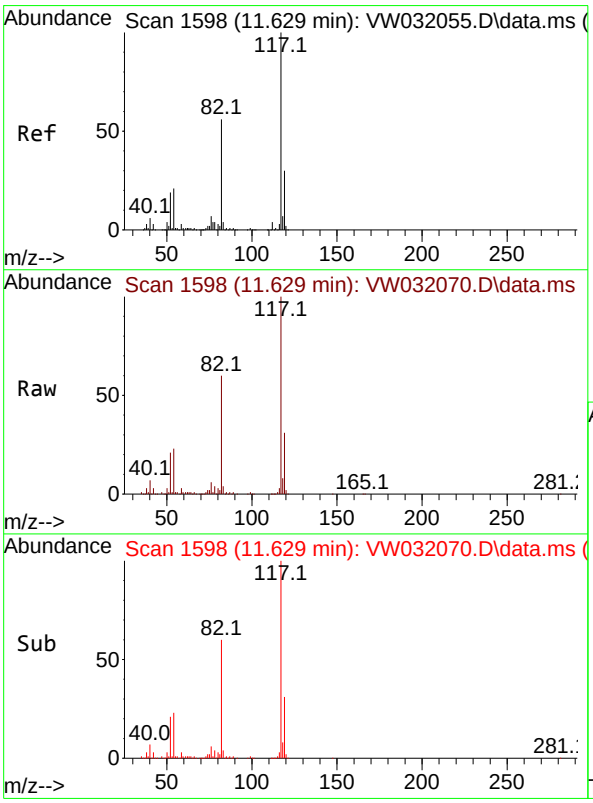

#62
4-Bromofluorobenzene
Concen: 54.427 ug/l
RT: 12.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032070.D
Acq: 11 Aug 2025 16:34

**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 |

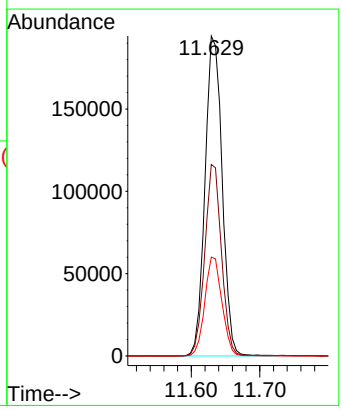


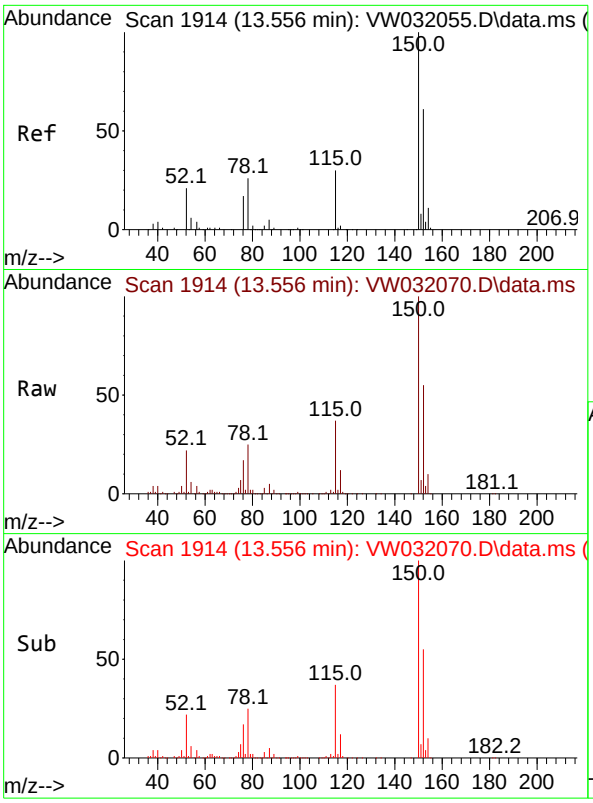




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032070.D
Acq: 11 Aug 2025 16:34

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 |



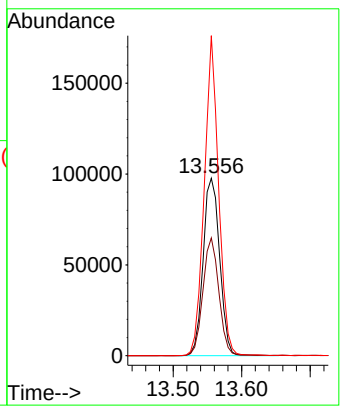



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032070.D
Acq: 11 Aug 2025 16:34

**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% |

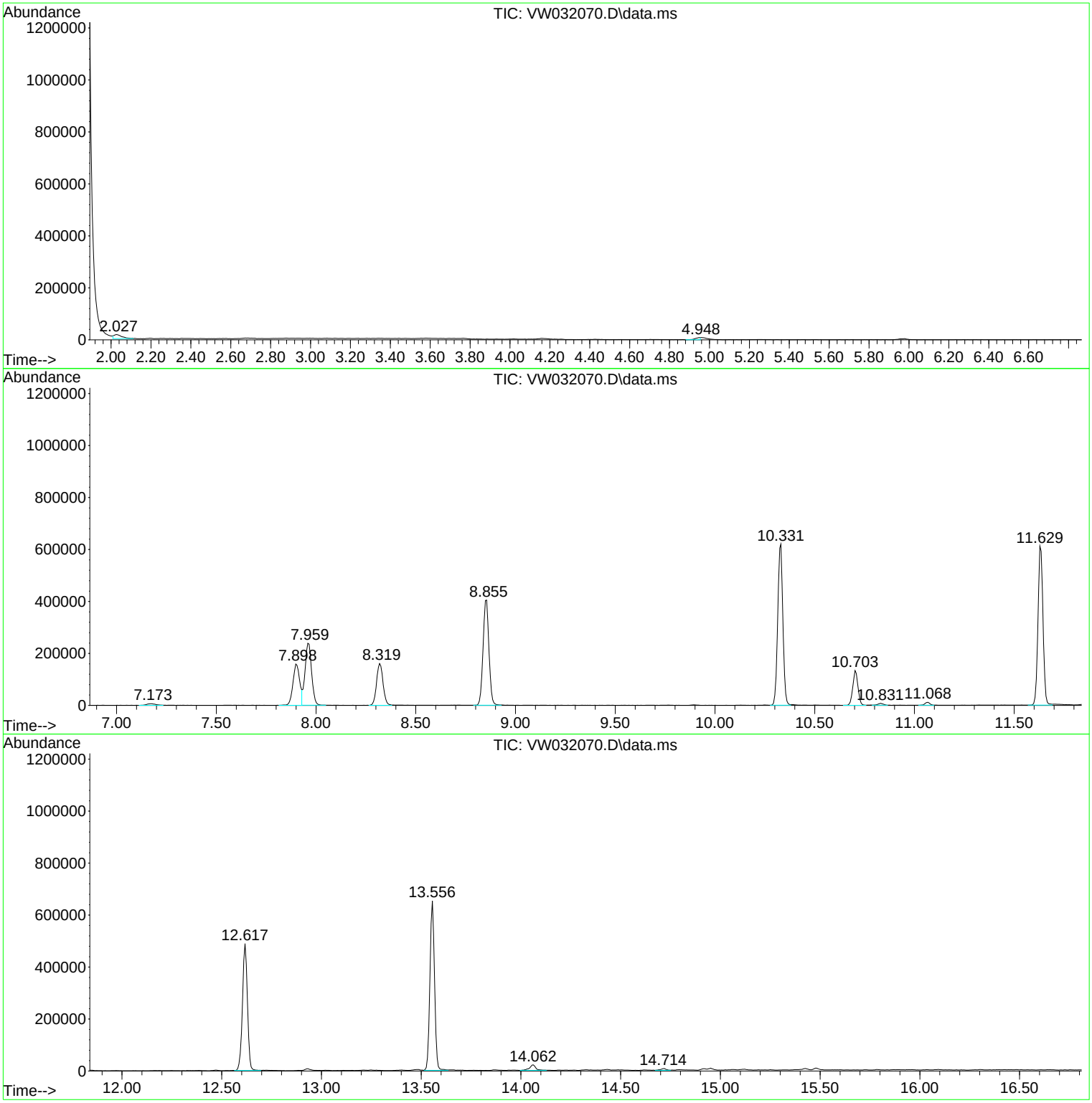
Sum of corrected areas: 6563832

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% | | | |

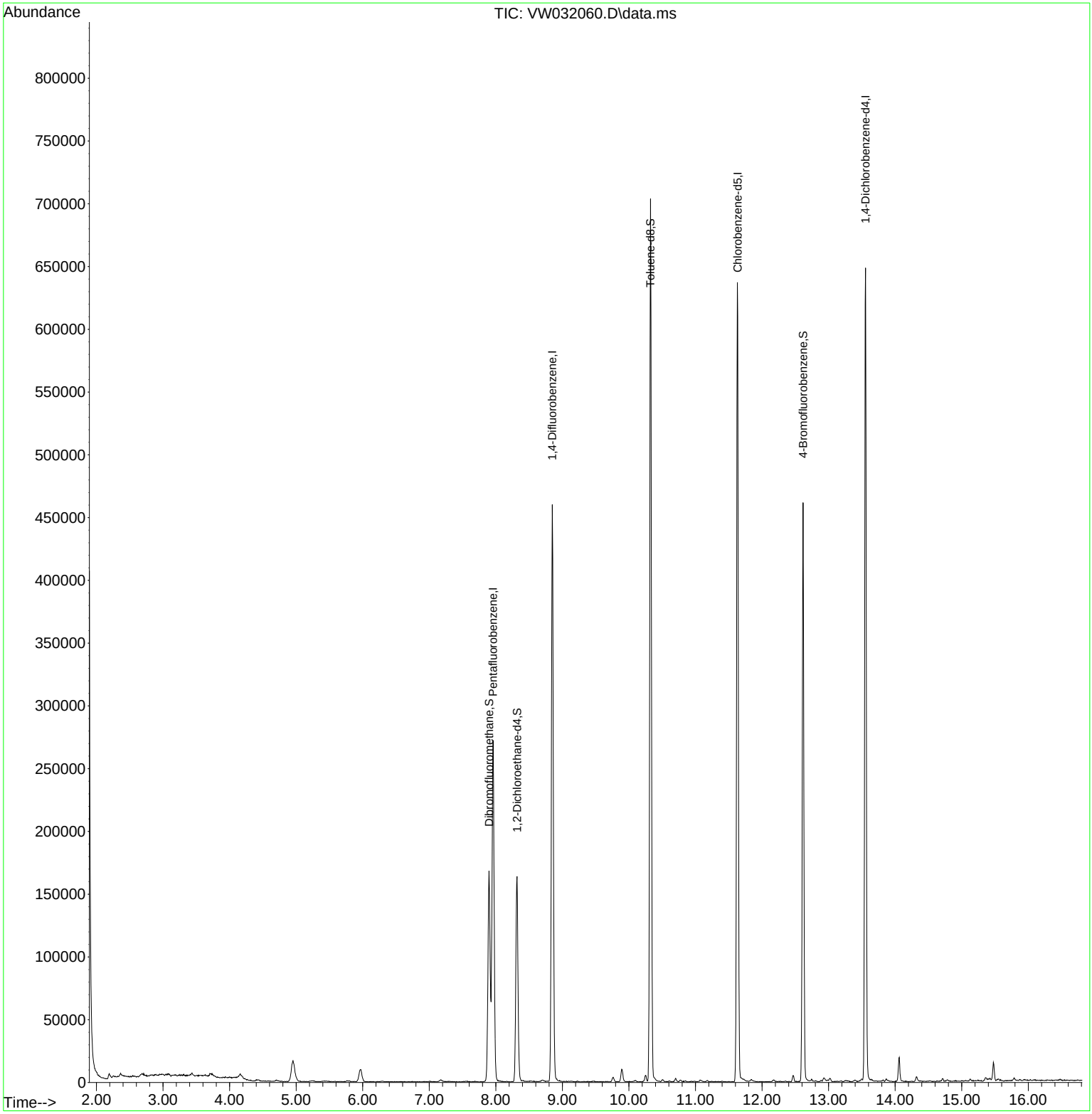
Target Compounds Qvalue

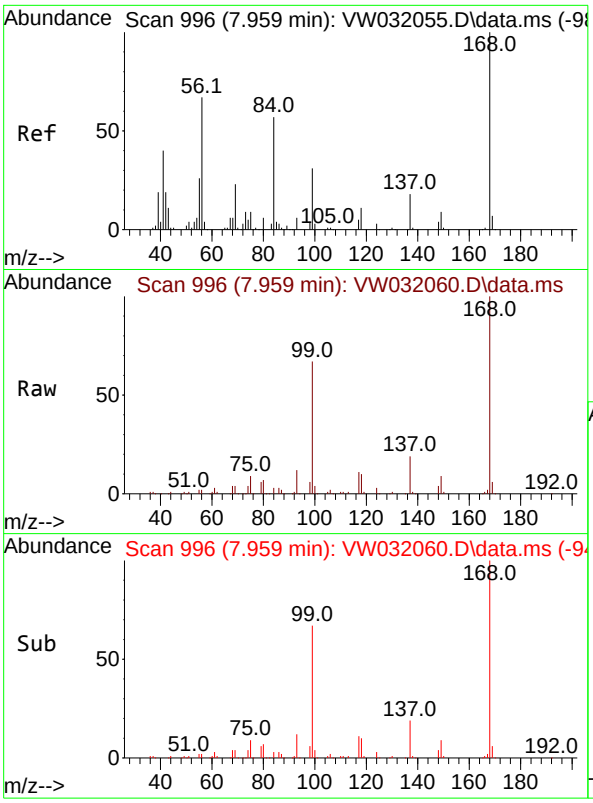
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



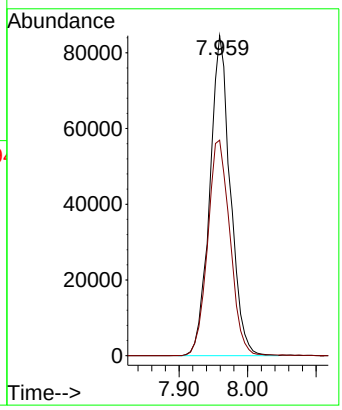


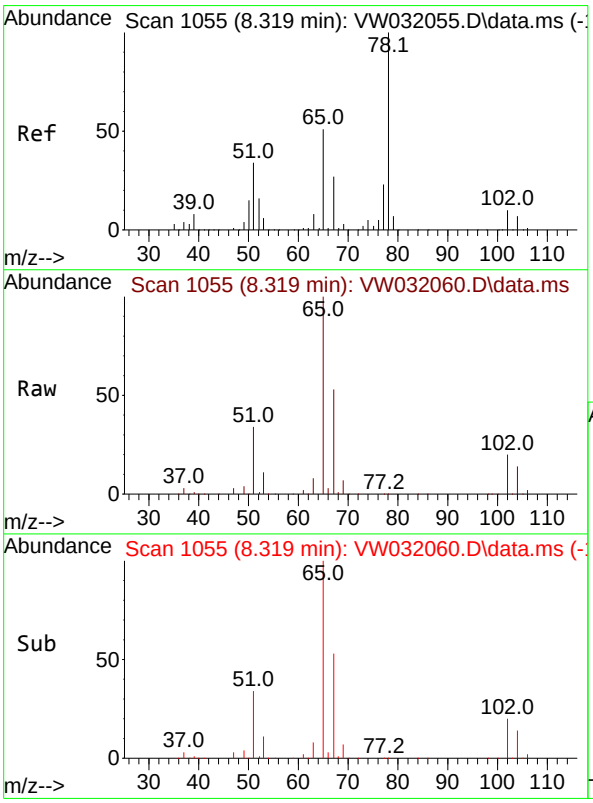

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW032060.D
Acq: 11 Aug 2025 12:18

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW0811SBL01

Tgt Ion:168 Resp: 176404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 67.3 | 56.0 | 84.0 |

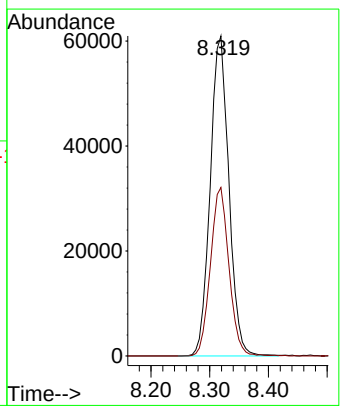


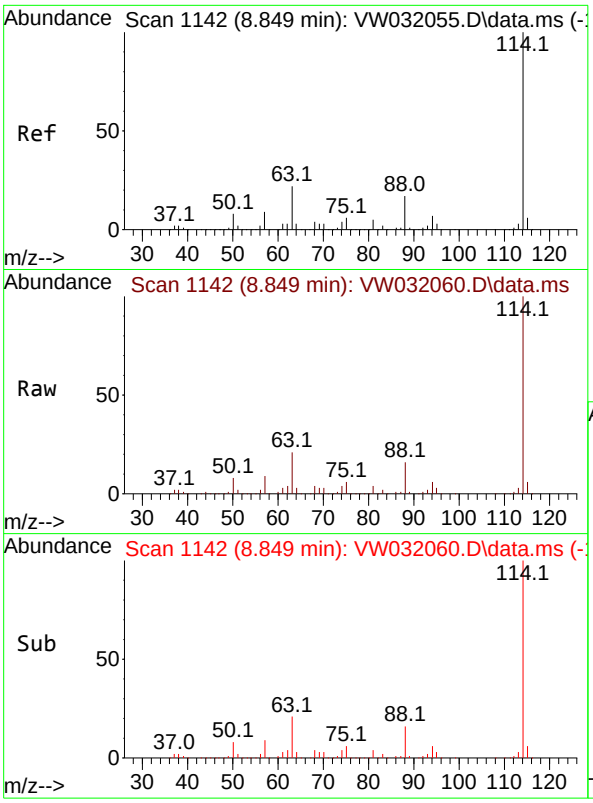




#33
1,2-Dichloroethane-d4
Concen: 52.590 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032060.D
Acq: 11 Aug 2025 12:18

Tgt Ion: 65 Resp: 134172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.4 | 0.0 | 102.4 |



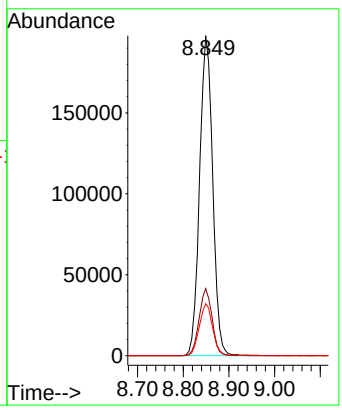


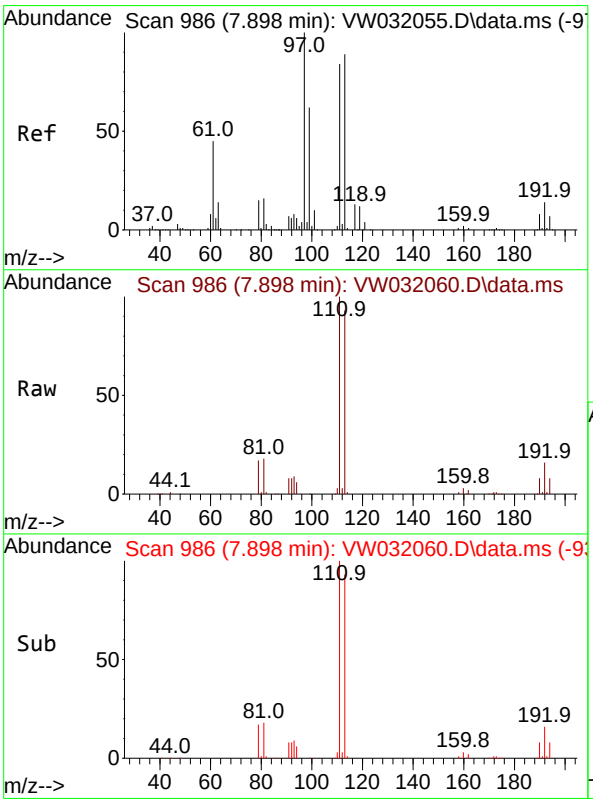

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032060.D
Acq: 11 Aug 2025 12:18

**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 |

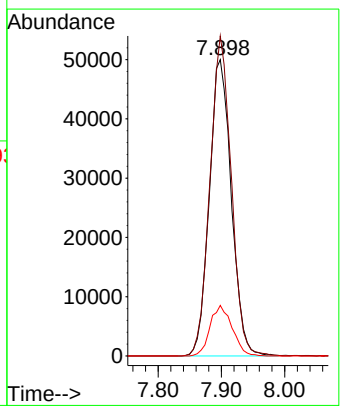


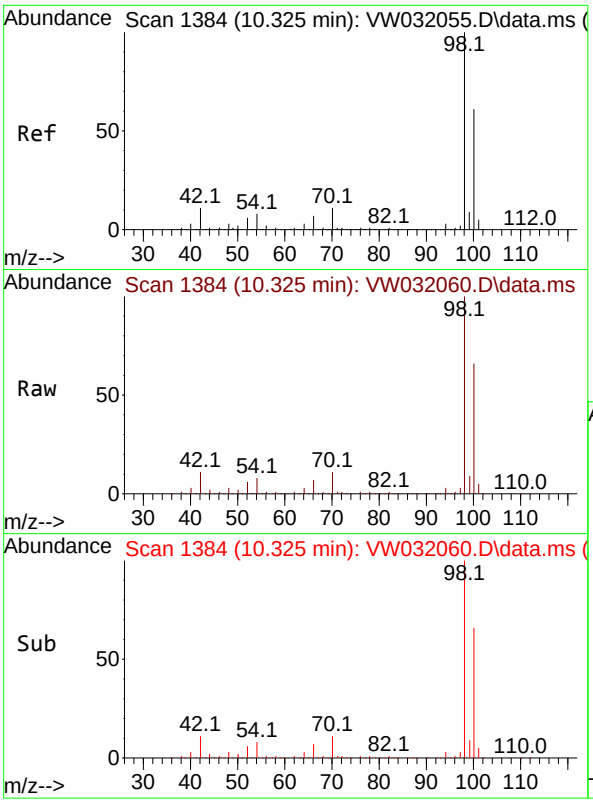




#35
Dibromofluoromethane
Concen: 47.813 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.000 min
Lab File: VW032060.D
Acq: 11 Aug 2025 12:18

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 |



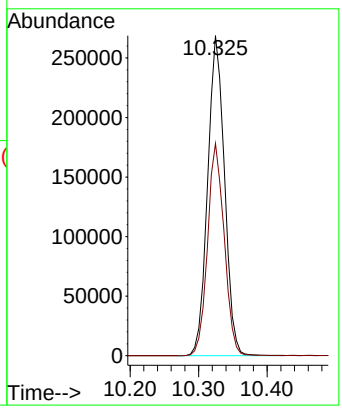


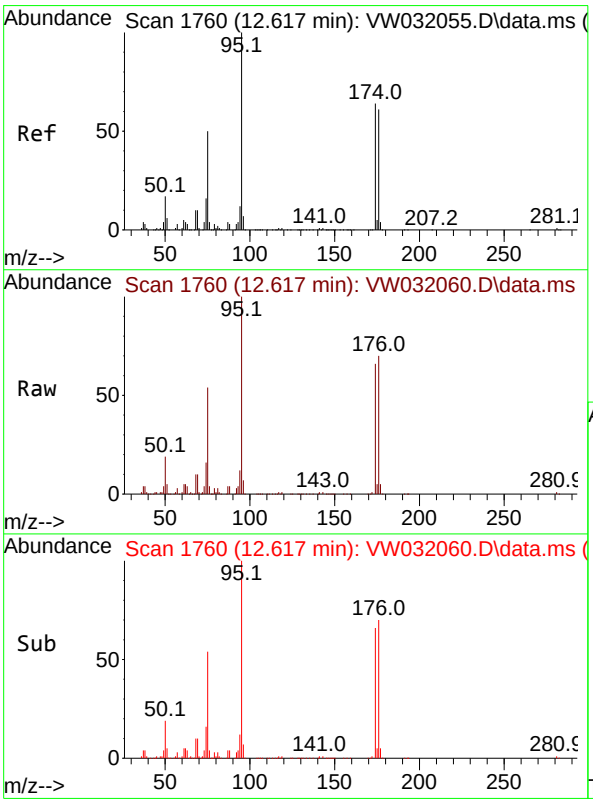

#50
Toluene-d8
Concen: 49.095 ug/l
RT: 10.325 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032060.D
Acq: 11 Aug 2025 12:18

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW0811SBL01

Tgt Ion: 98 Resp: 459644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.4 | 51.1 | 76.7 |

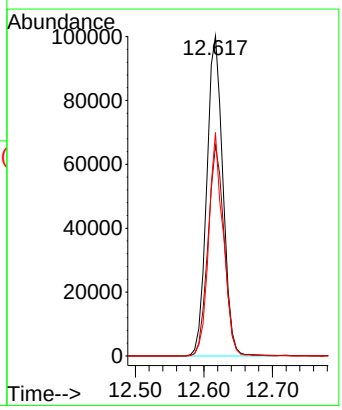


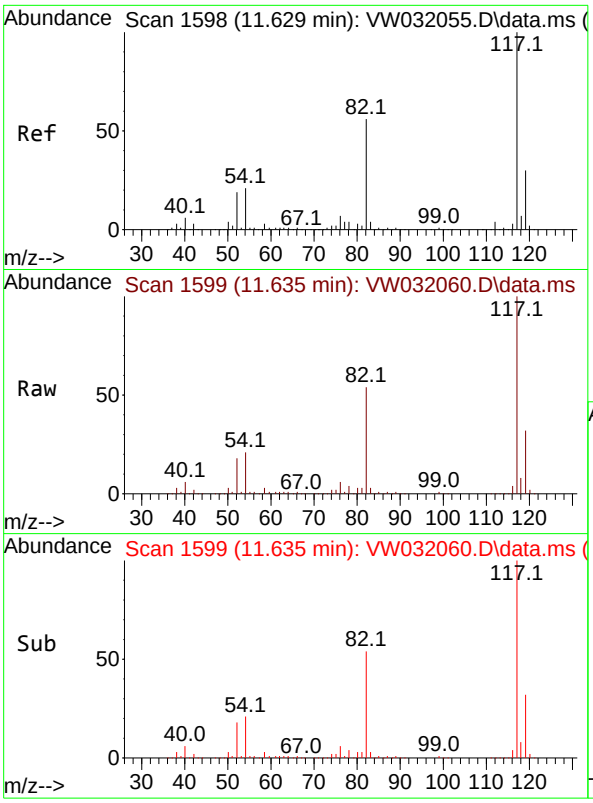




#62
4-Bromofluorobenzene
Concen: 47.413 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032060.D
Acq: 11 Aug 2025 12:18

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 |



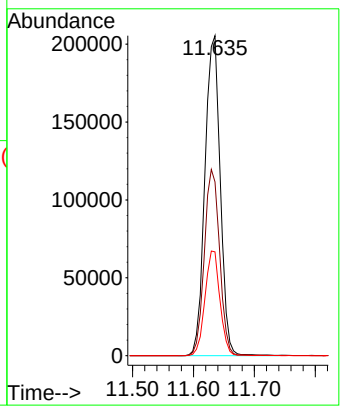


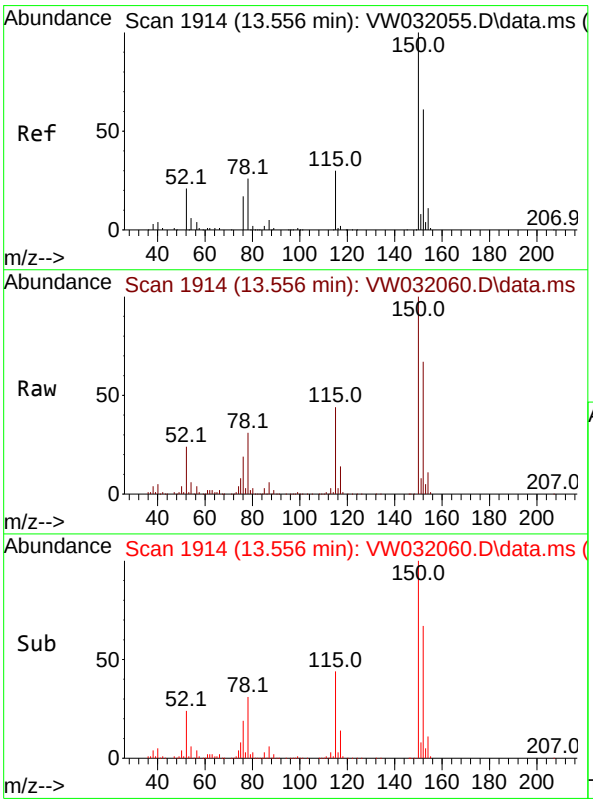

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032060.D
Acq: 11 Aug 2025 12:18

**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 |

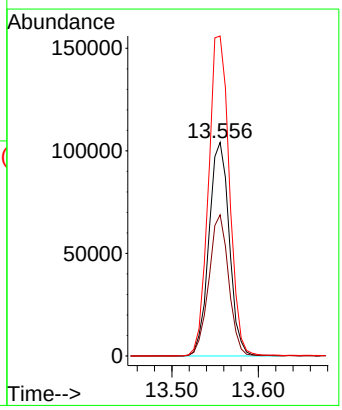



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032060.D
Acq: 11 Aug 2025 12:18

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% |

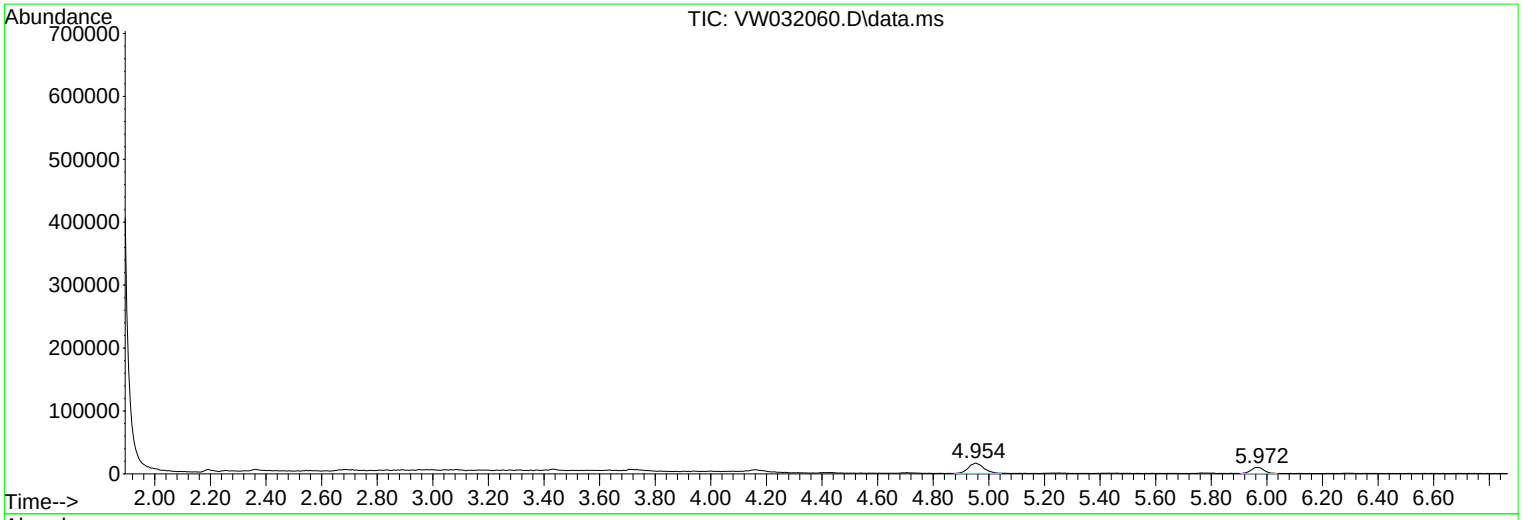
Sum of corrected areas: 6574185

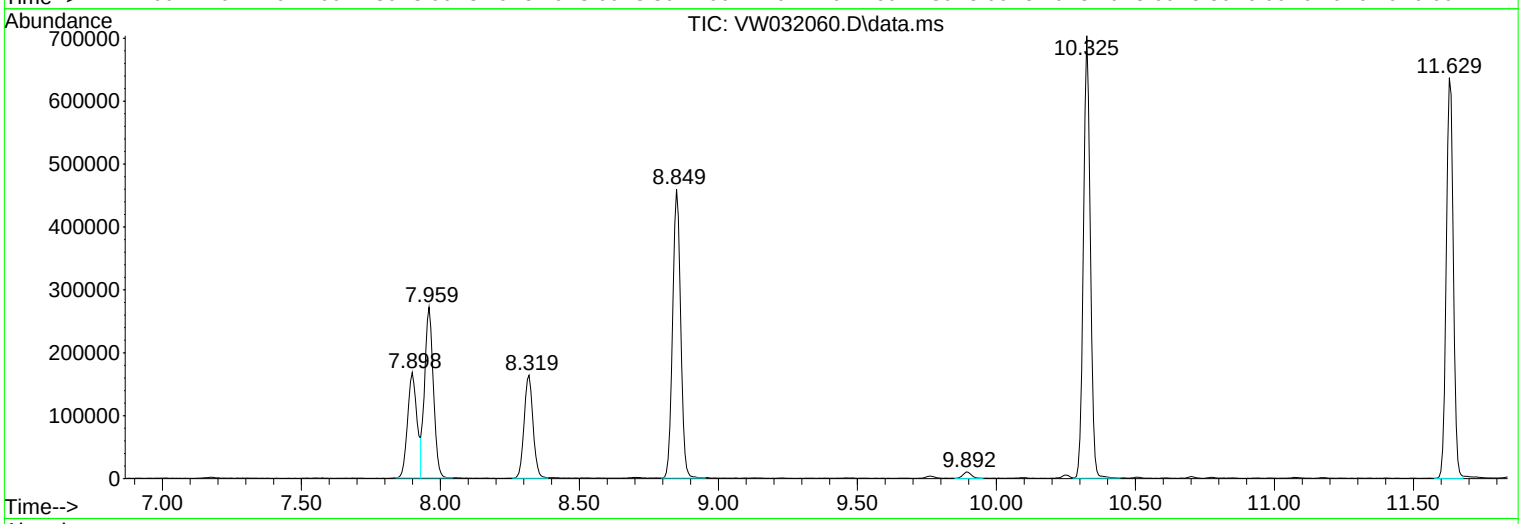
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032060.D
Acq On : 11 Aug 2025 12:18
Operator : SY/MD
Sample : VW0811SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

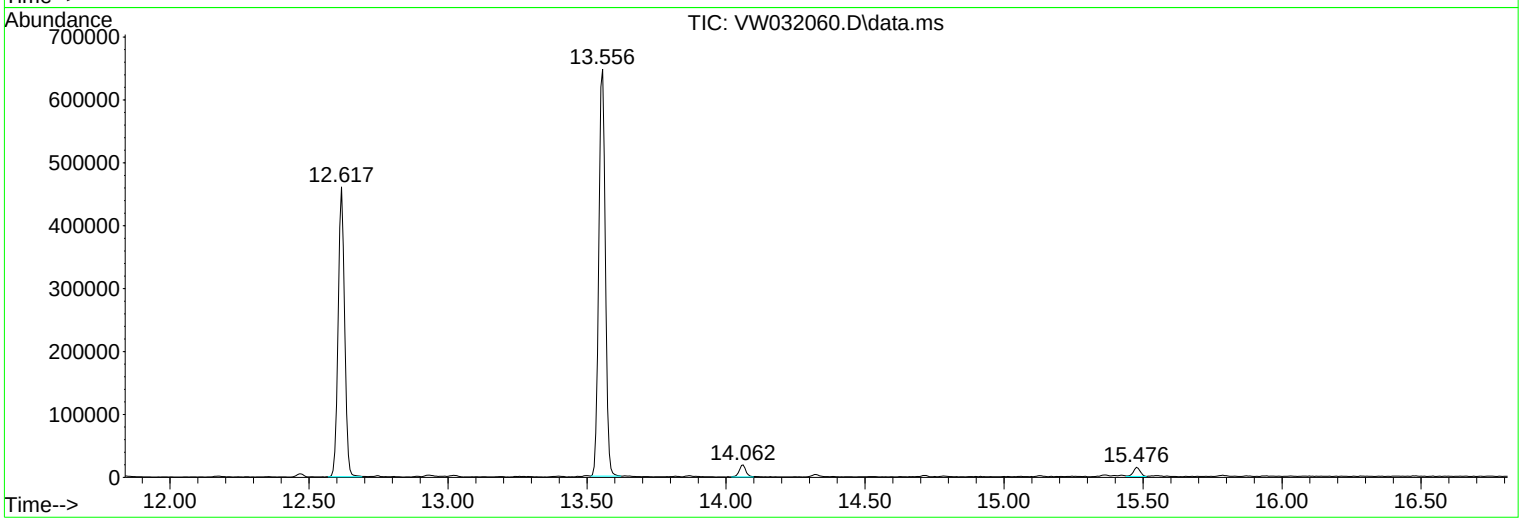
**Instrument :**
MSVOA_W
**ClientSampleId :**
VW0811SBL01

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

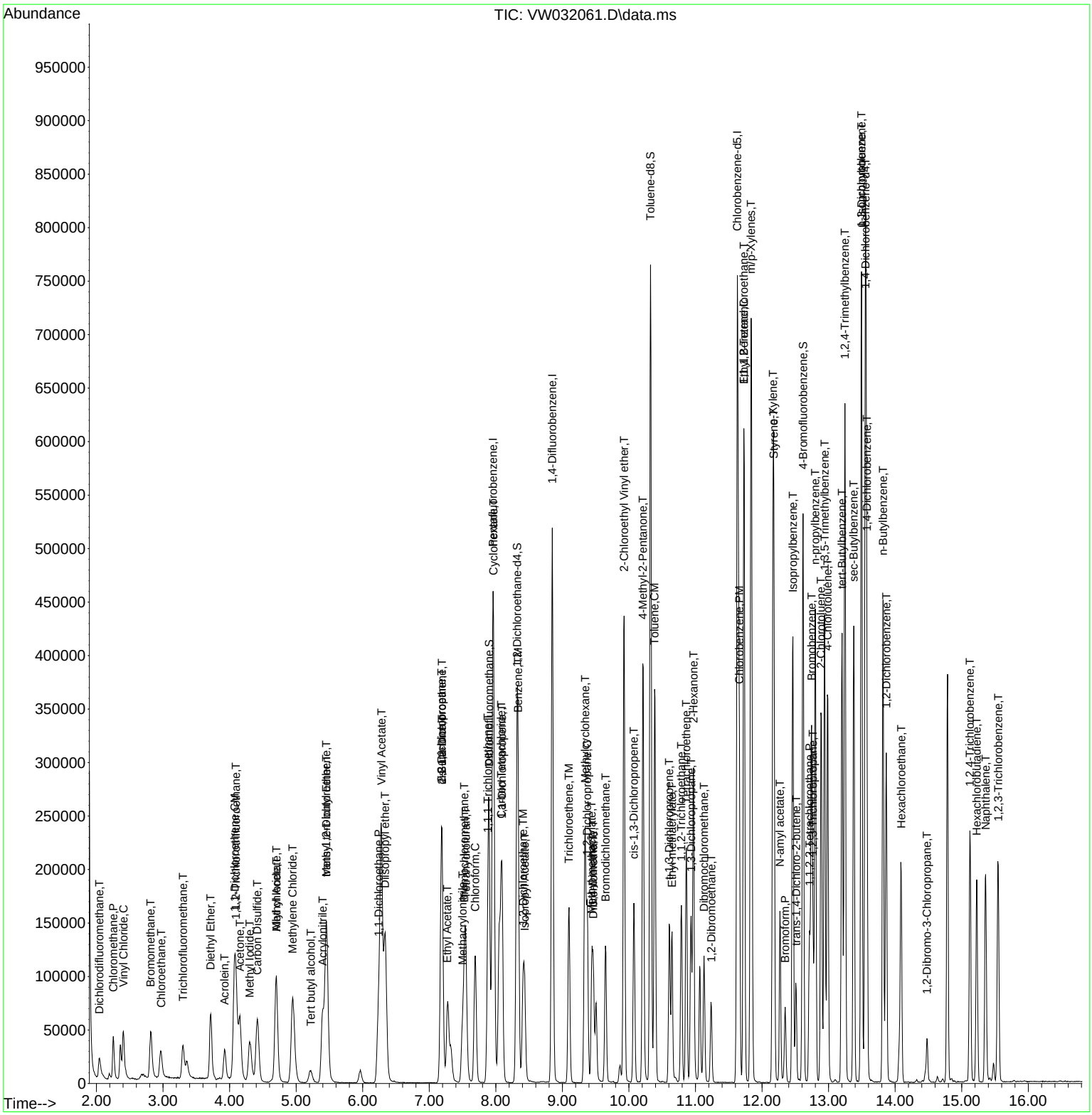
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032061.D
Acq On : 11 Aug 2025 12:48
Operator : SY/MD
Sample : VW0811SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

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

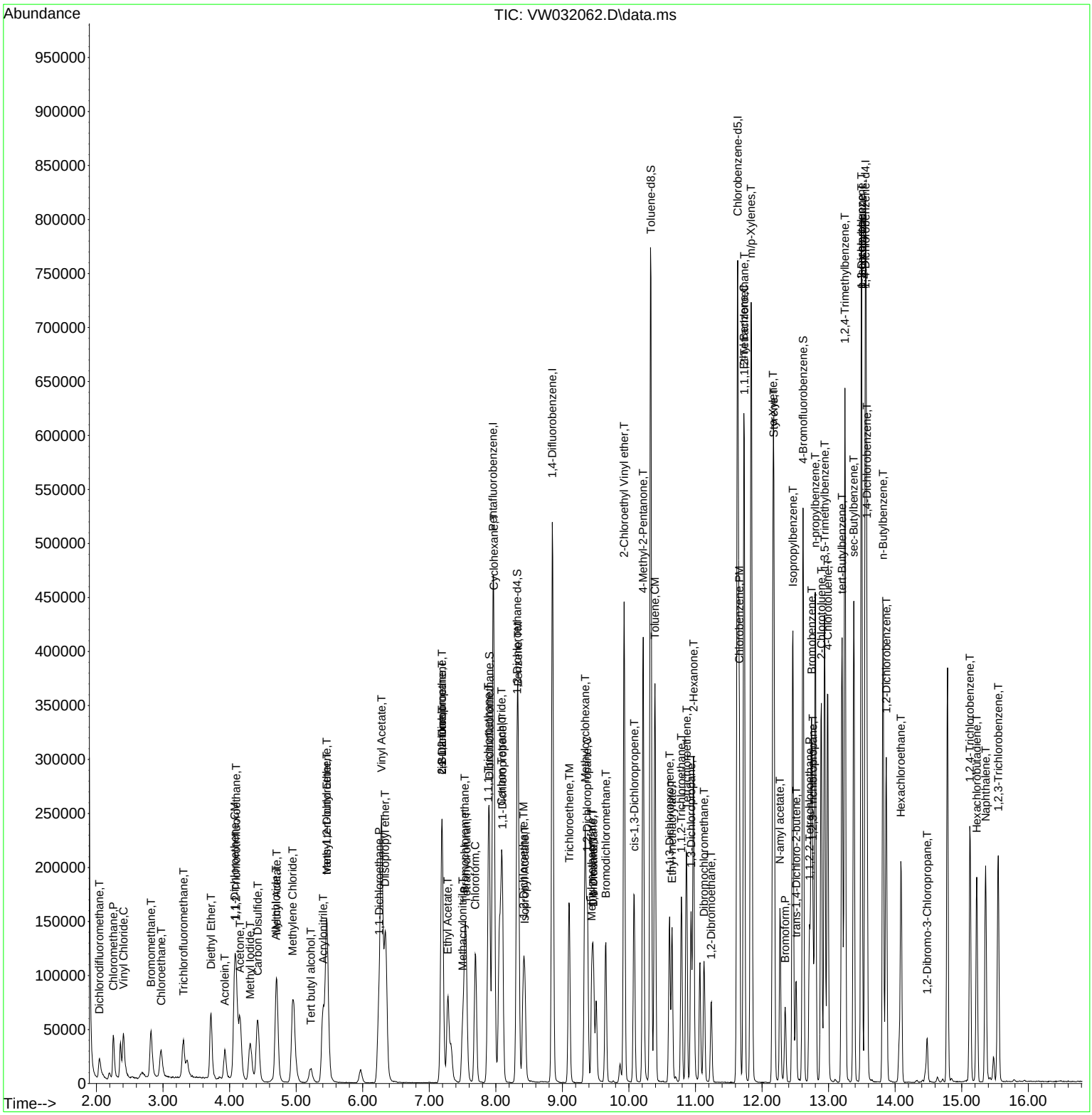
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032062.D
Acq On : 11 Aug 2025 13:10
Operator : SY/MD
Sample : VW0811SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

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



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# 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 |

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**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 |

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**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

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**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 |

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**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

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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** |
| | | | 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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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) |
|---|---|---|---|---|---|---|
| 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

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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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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: | 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 |

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: | 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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Fax : 908 789 8922



# 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 |

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) |
|---|---|---|---|---|---|---|
| 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

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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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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

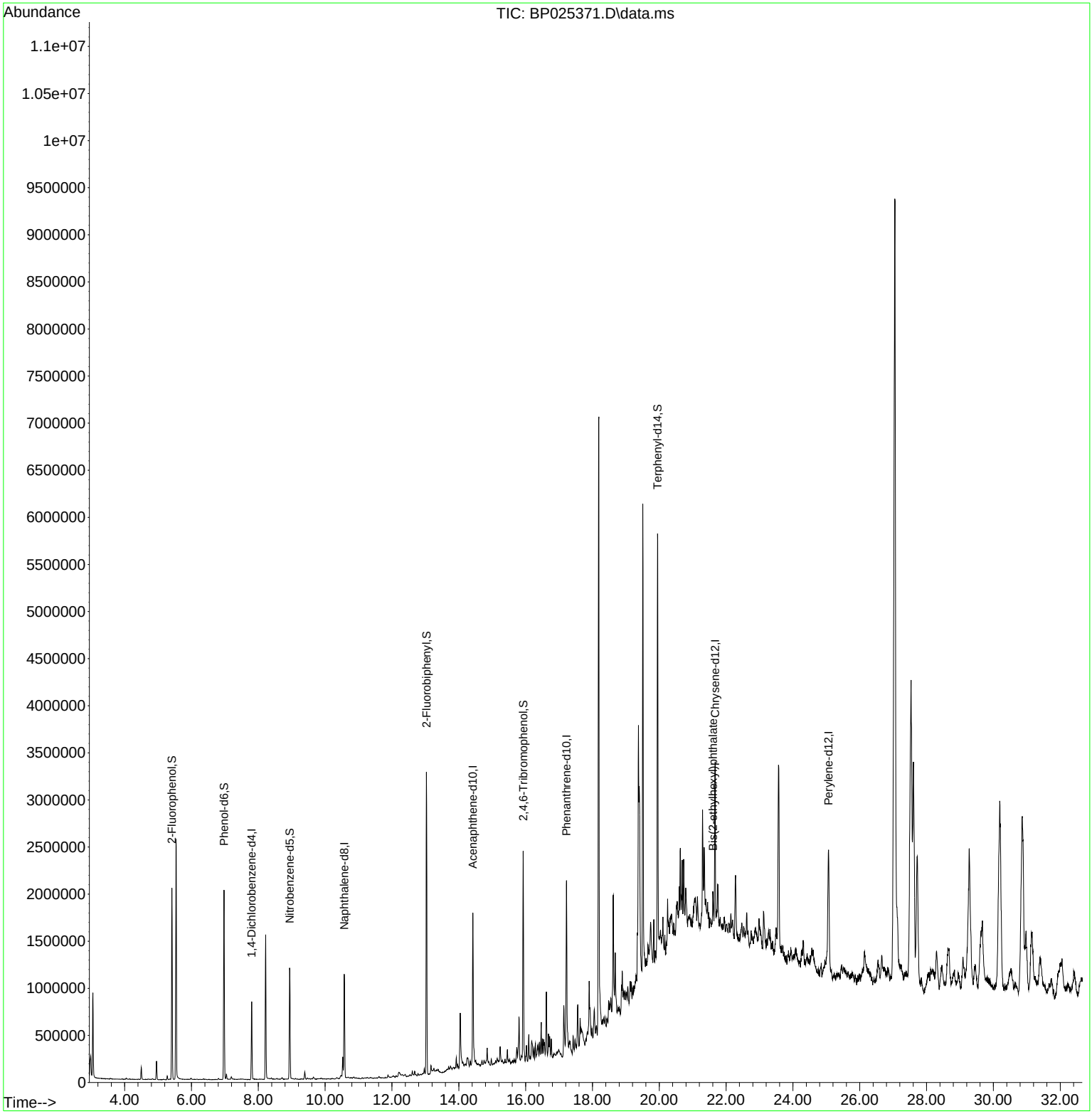
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.802 | 152 | 233793 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.572 | 136 | 927693 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.419 | 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 |

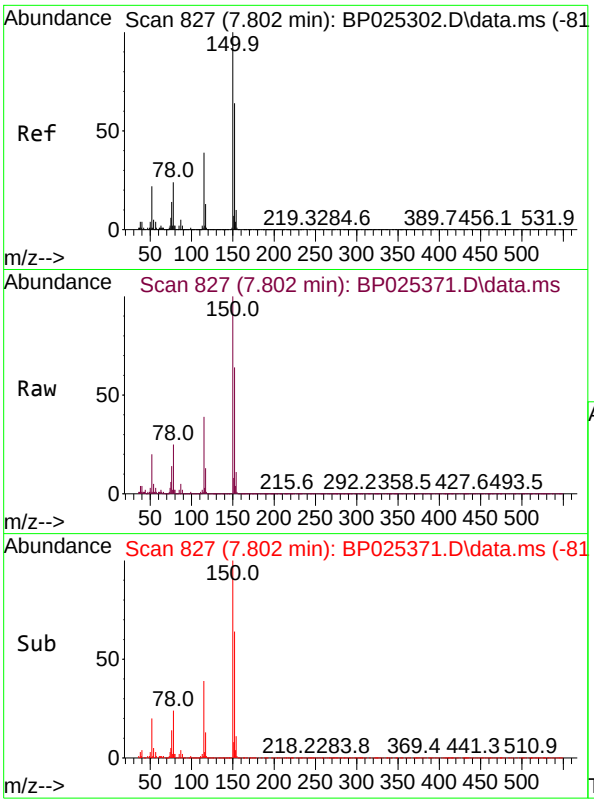
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



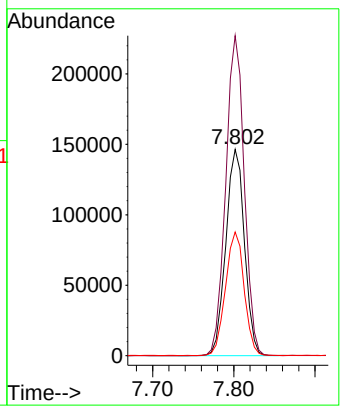


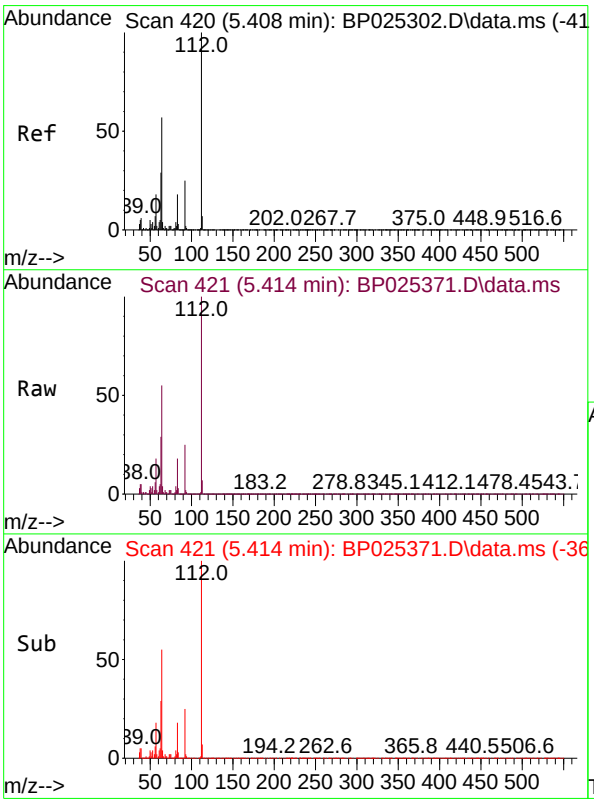

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025371.D
Acq: 12 Aug 2025 18:00

**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 |

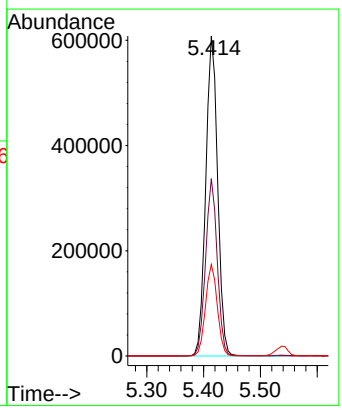


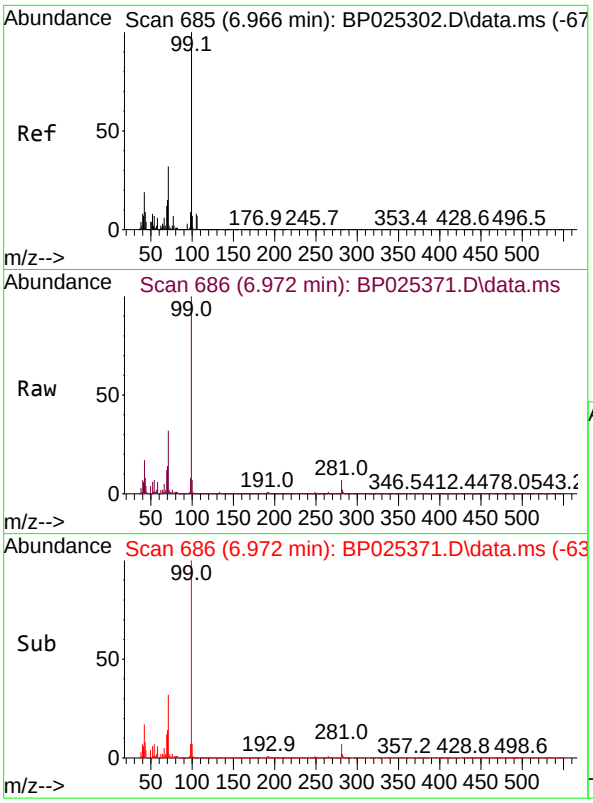




#5
2-Fluorophenol
Concen: 60.504 ng
RT: 5.414 min Scan# 421
Delta R.T. 0.006 min
Lab File: BP025371.D
Acq: 12 Aug 2025 18:00

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 |



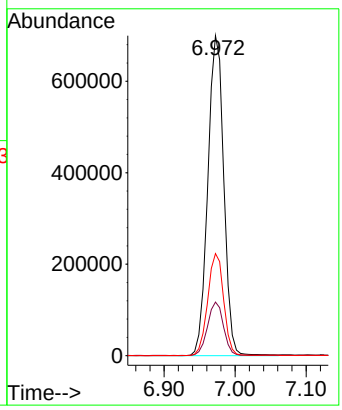


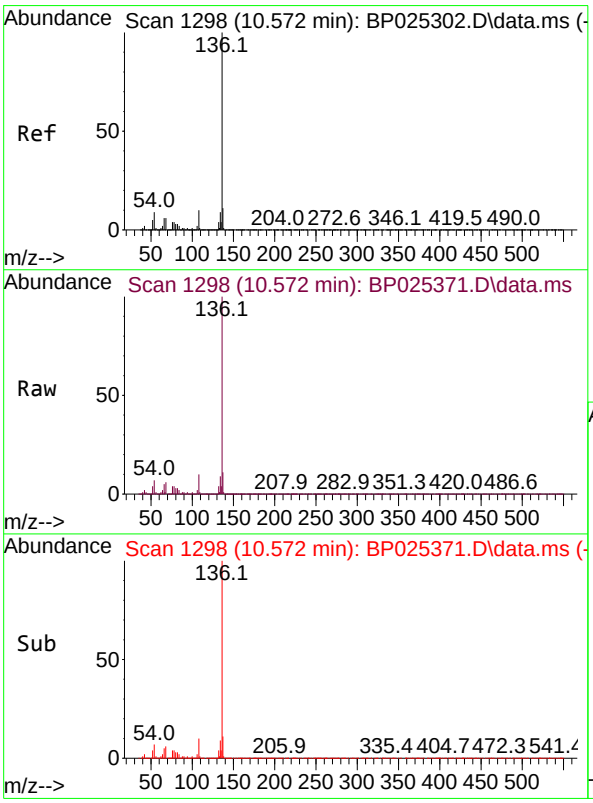

#7
Phenol-d6
Concen: 57.123 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025371.D
Acq: 12 Aug 2025 18:00

**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 |

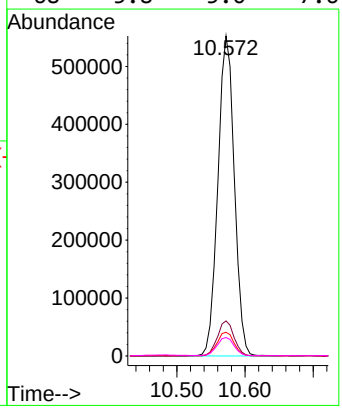


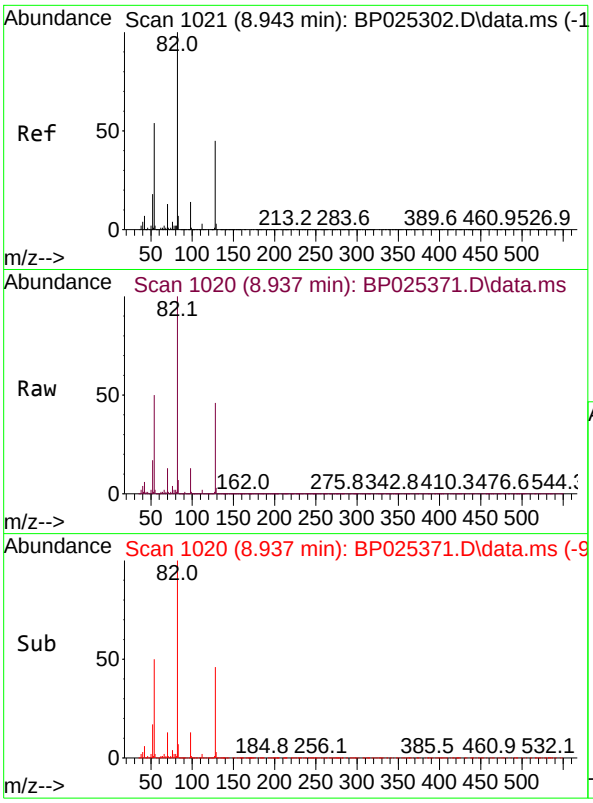




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BP025371.D
Acq: 12 Aug 2025 18:00

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 |



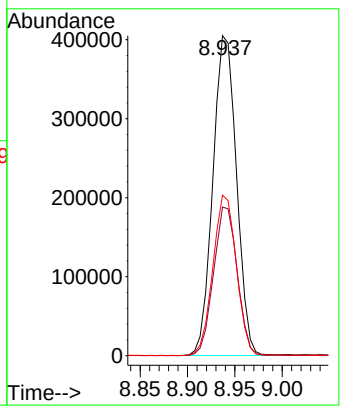


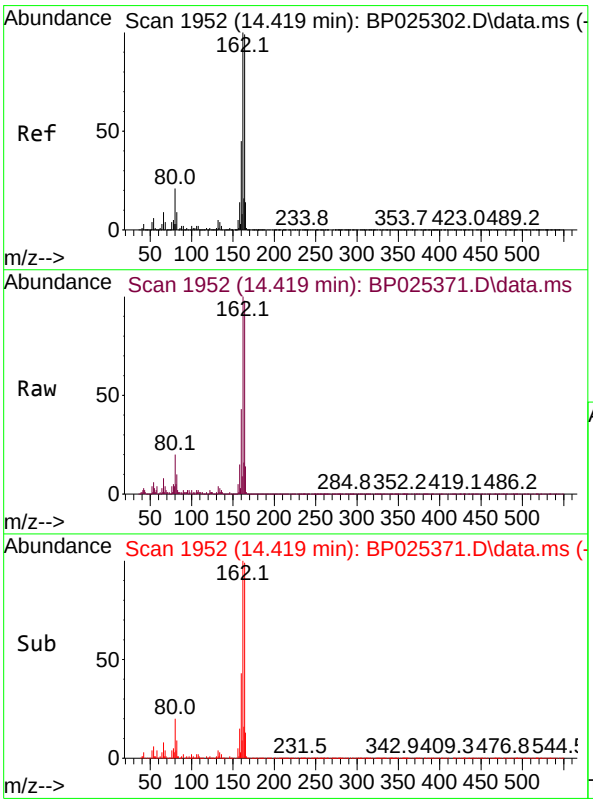

#23
Nitrobenzene-d5
Concen: 41.995 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025371.D
Acq: 12 Aug 2025 18:00

**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 |

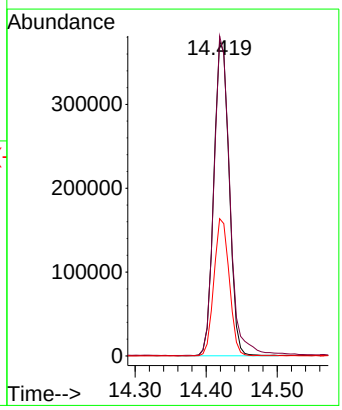


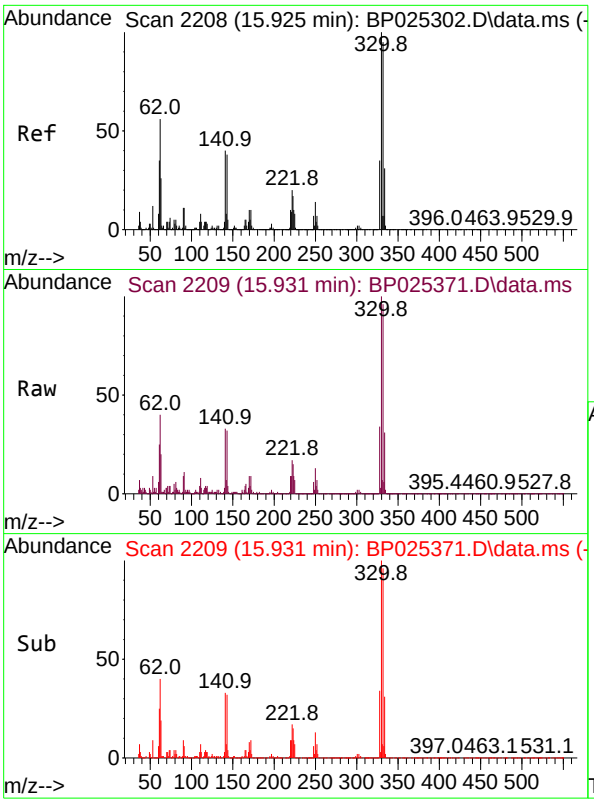




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1952
Delta R.T. -0.000 min
Lab File: BP025371.D
Acq: 12 Aug 2025 18:00

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 |



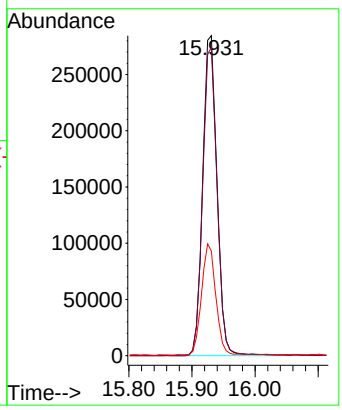


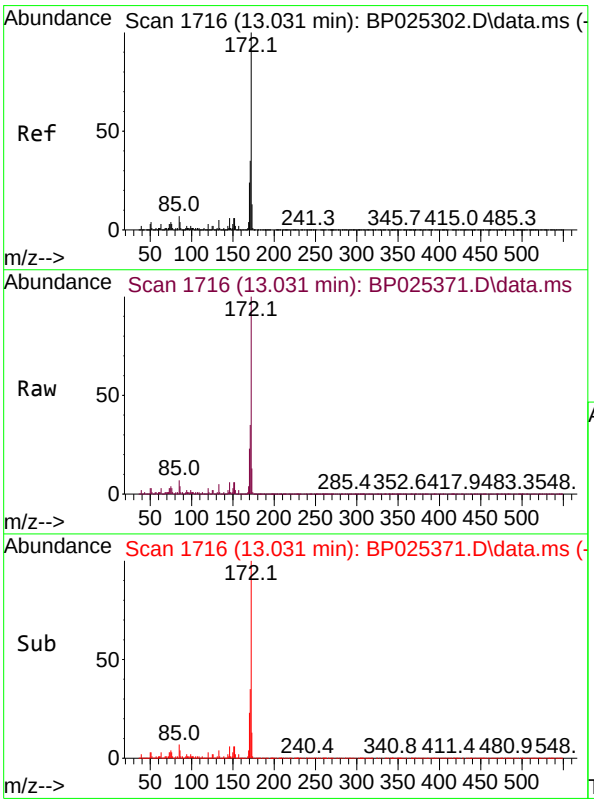

#42
2,4,6-Tribromophenol
Concen: 80.005 ng
RT: 15.931 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025371.D
Acq: 12 Aug 2025 18:00

**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 |

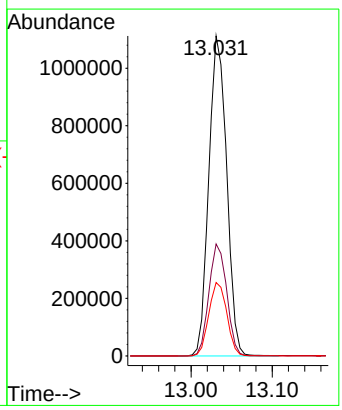


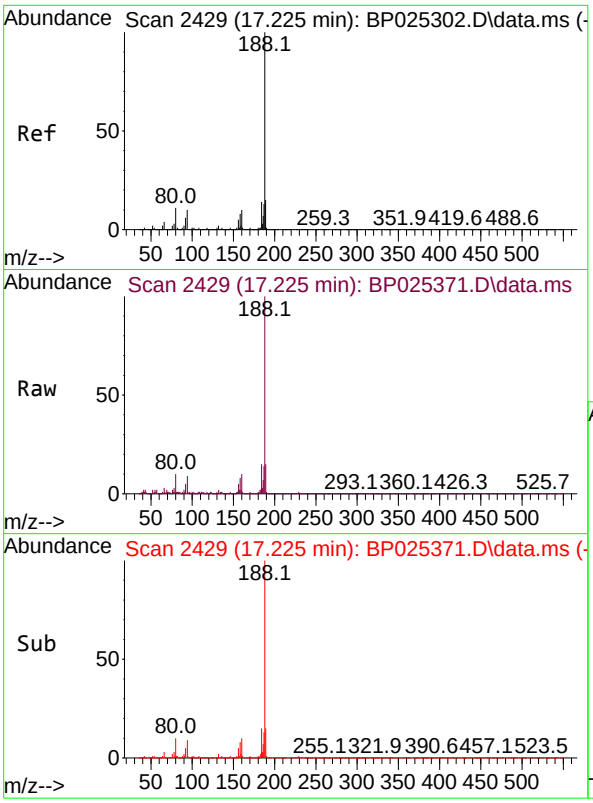




#45
2-Fluorobiphenyl
Concen: 41.902 ng
RT: 13.031 min Scan# 1716
Delta R.T. -0.000 min
Lab File: BP025371.D
Acq: 12 Aug 2025 18:00

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 |



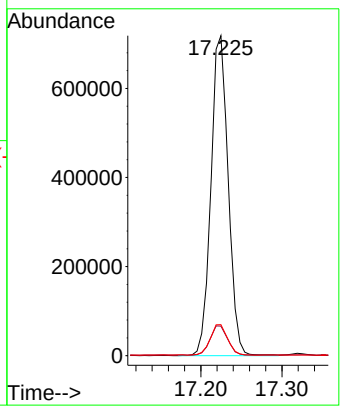


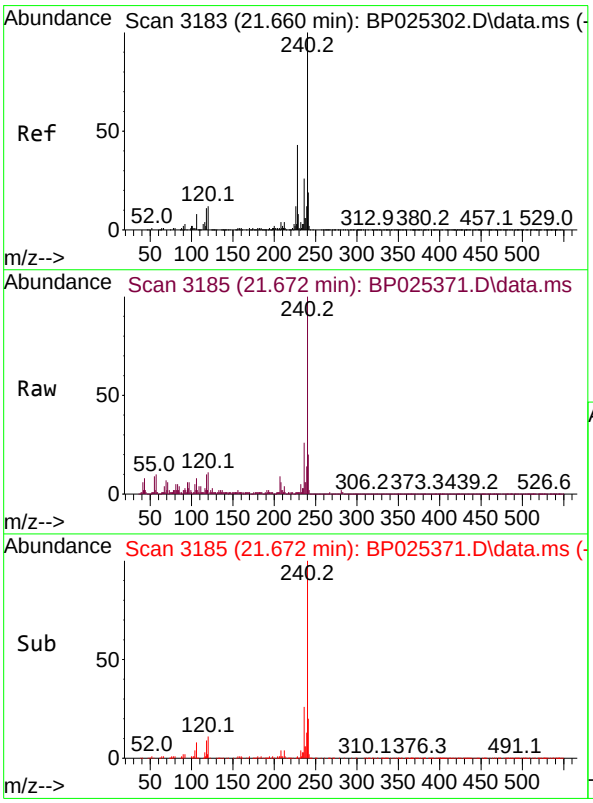

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025371.D
Acq: 12 Aug 2025 18:00

**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 |

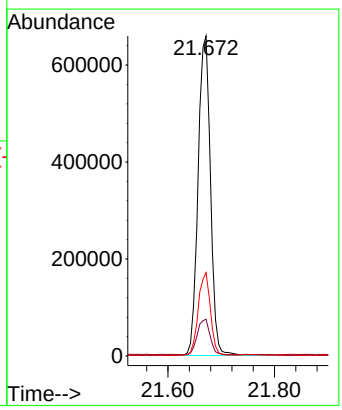


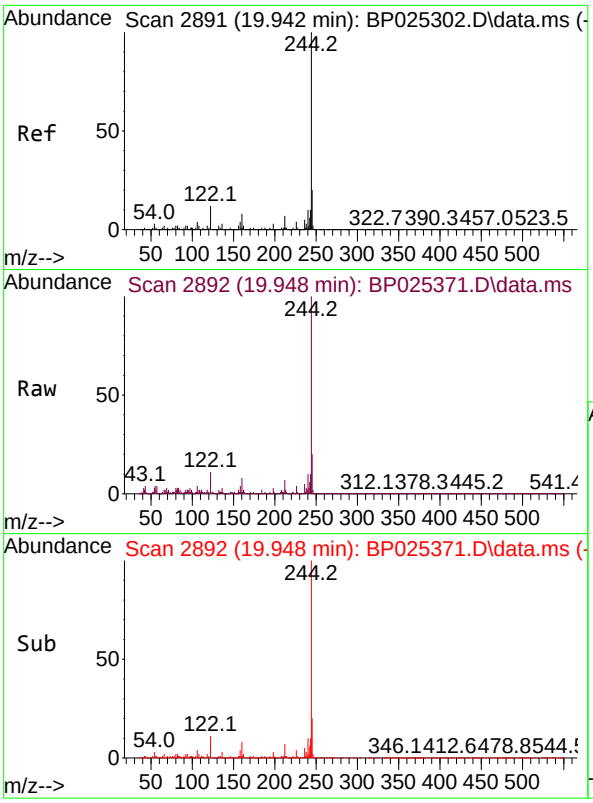




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.672 min Scan# 3185
Delta R.T. 0.012 min
Lab File: BP025371.D
Acq: 12 Aug 2025 18:00

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 |



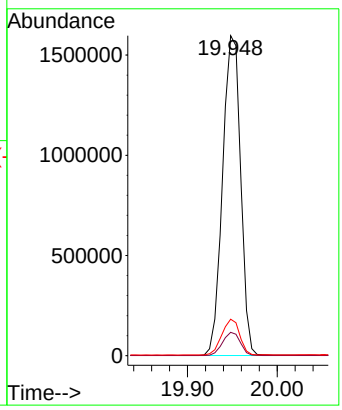


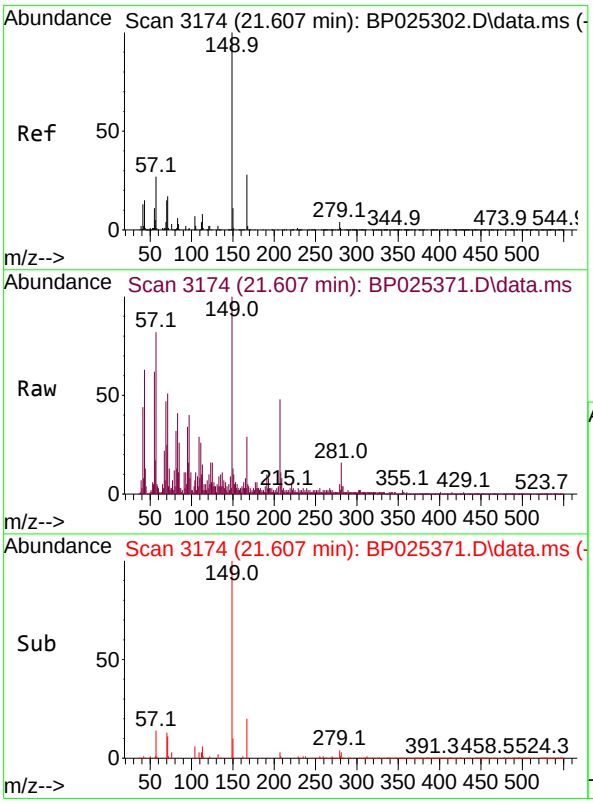

#79
Terphenyl-d14
Concen: 39.628 ng
RT: 19.948 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025371.D
Acq: 12 Aug 2025 18:00

**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 |

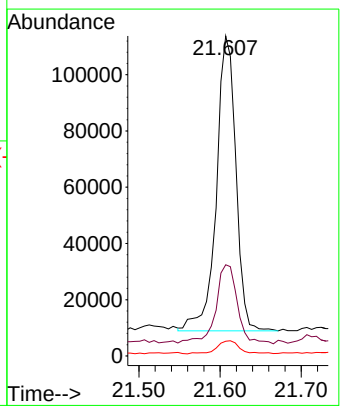


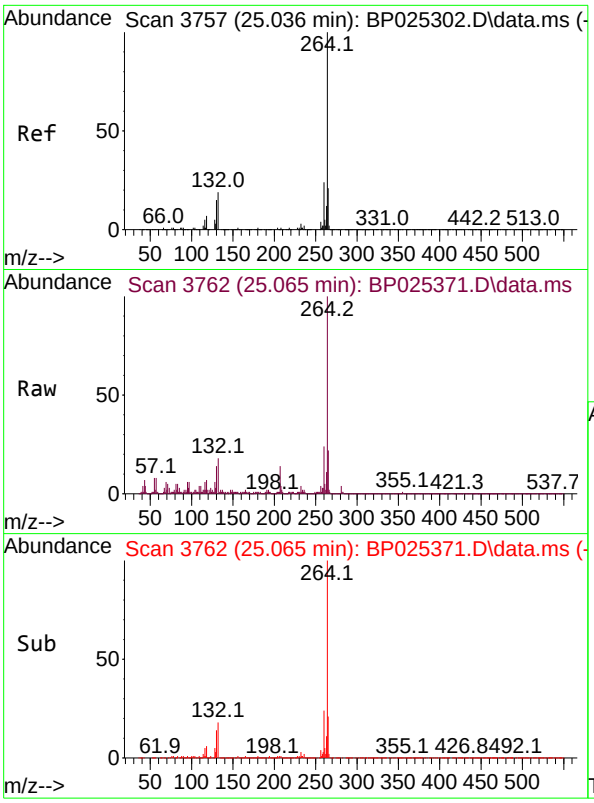




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.825 ng
RT: 21.607 min Scan# 3174
Delta R.T. -0.000 min
Lab File: BP025371.D
Acq: 12 Aug 2025 18:00

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 |



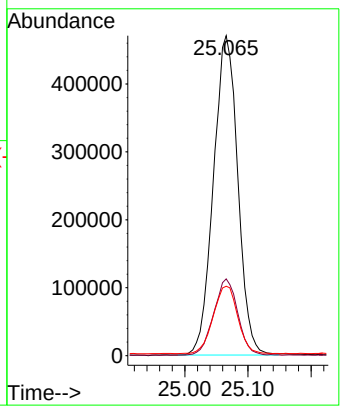



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.065 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP025371.D
Acq: 12 Aug 2025 18:00

**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

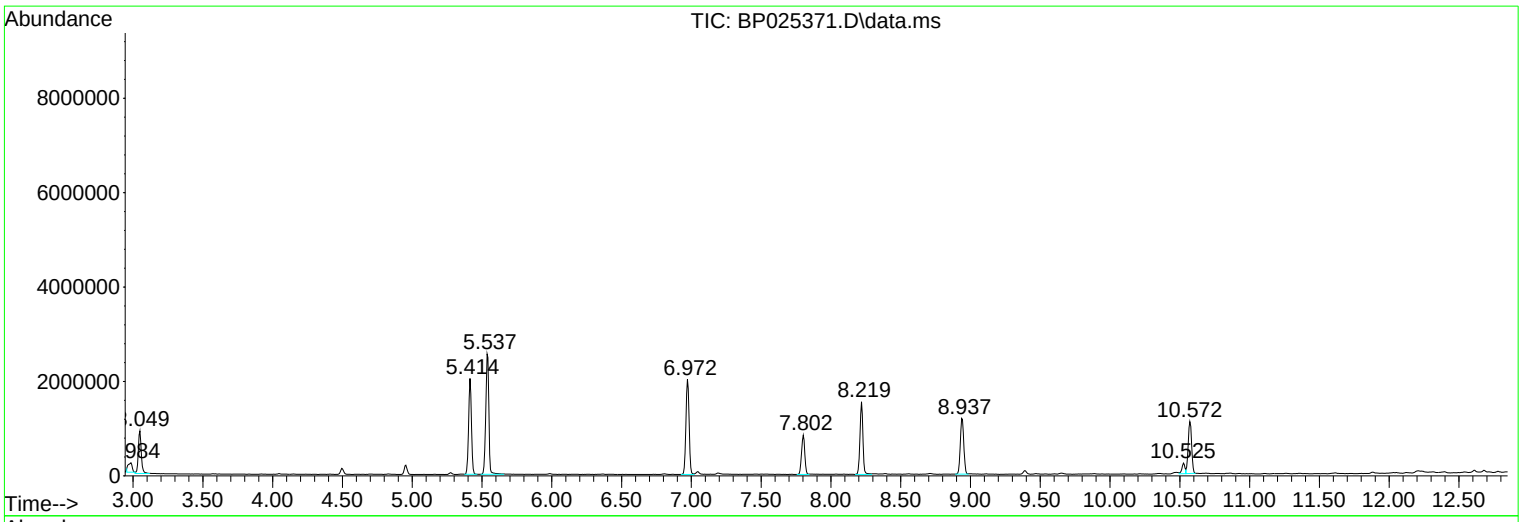
Sample Results: **BP025371.D**

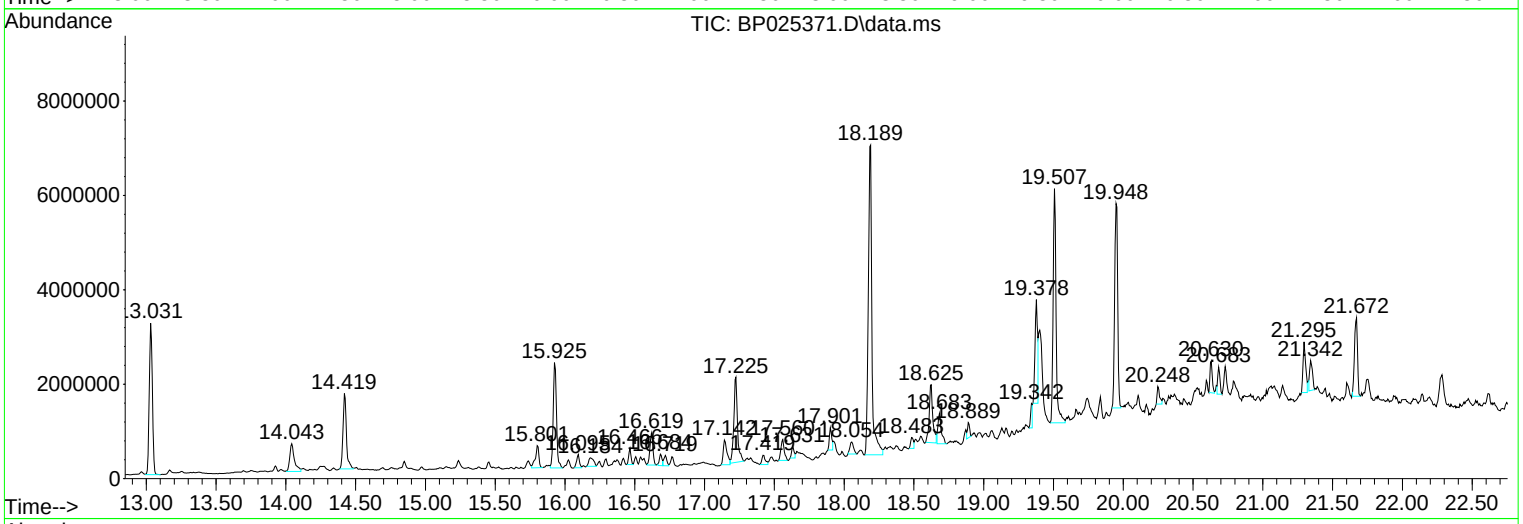
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025371.D
Acq On : 12 Aug 2025 18:00
Operator : CG/JU
Sample : Q2818-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

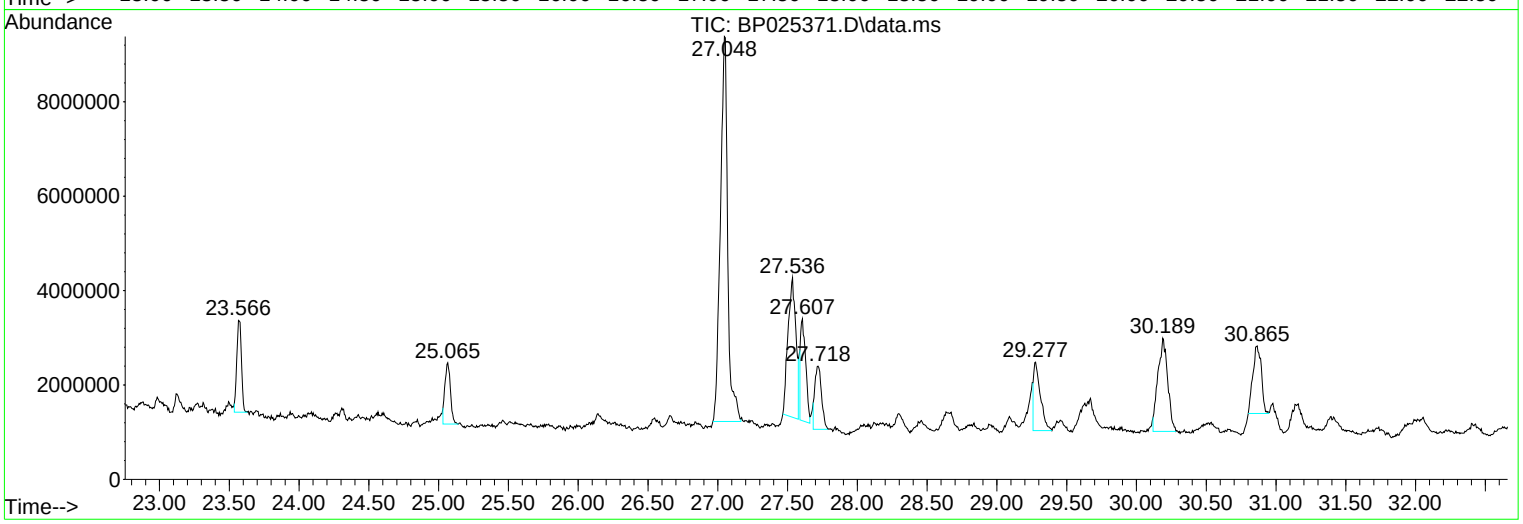
**Instrument :**
BNA_P
**ClientSampleId :**
B-2-5-1

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

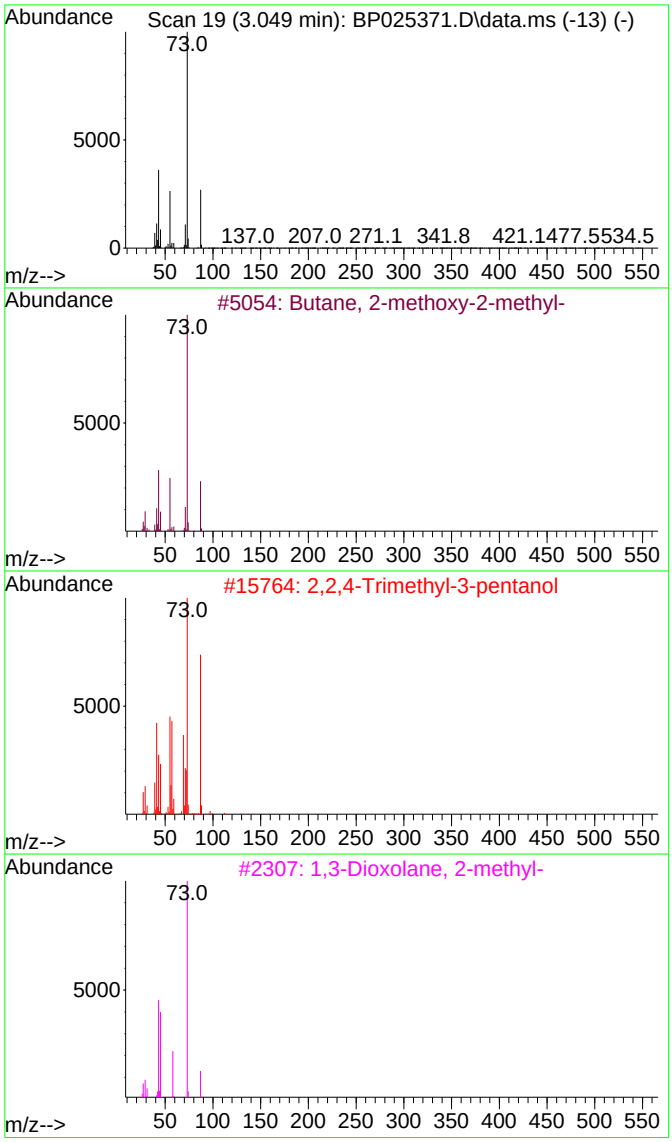
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

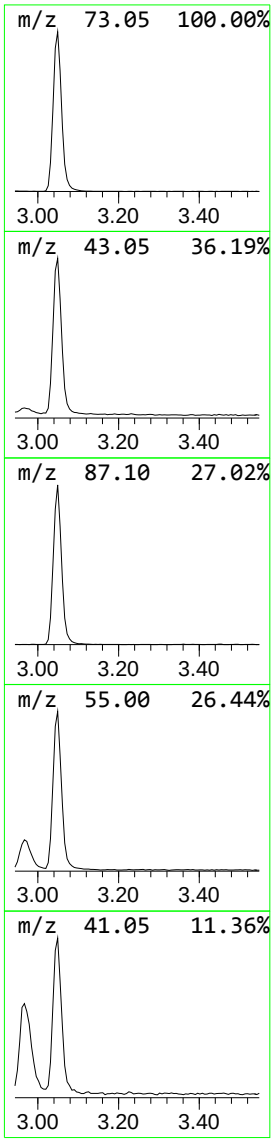
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
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 |



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

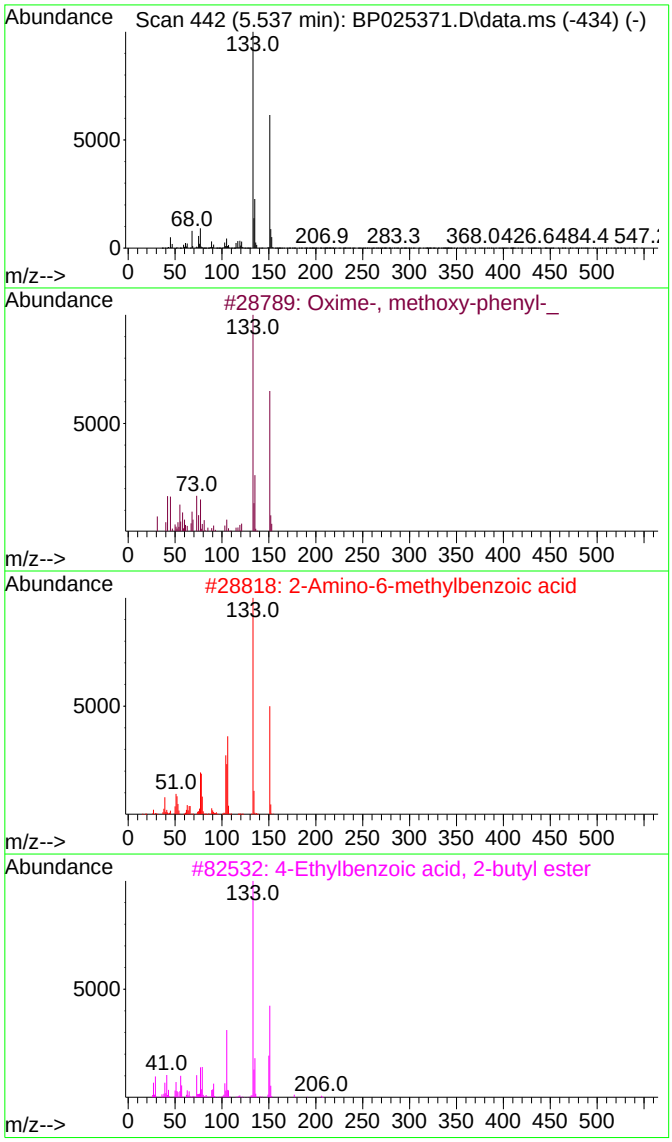
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

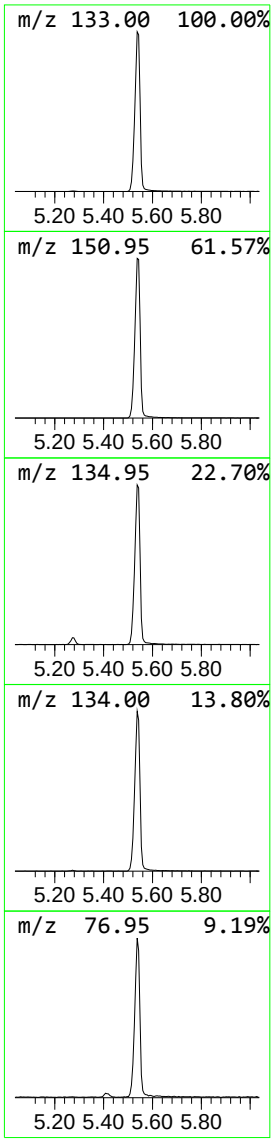
**********

Peak Number 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 |



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

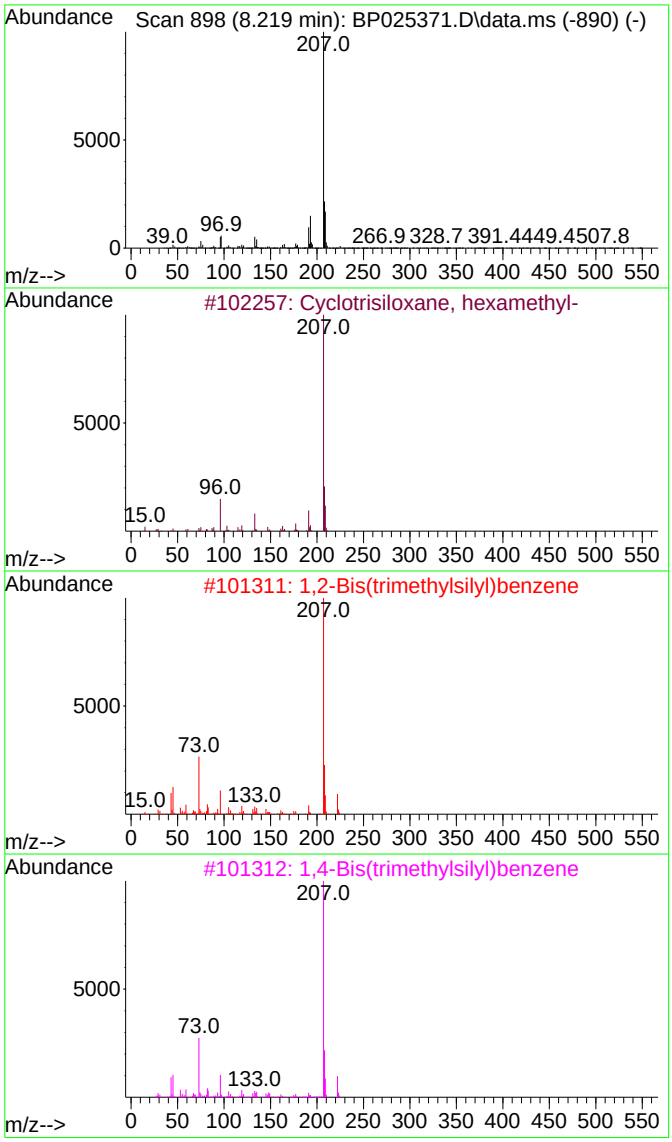
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

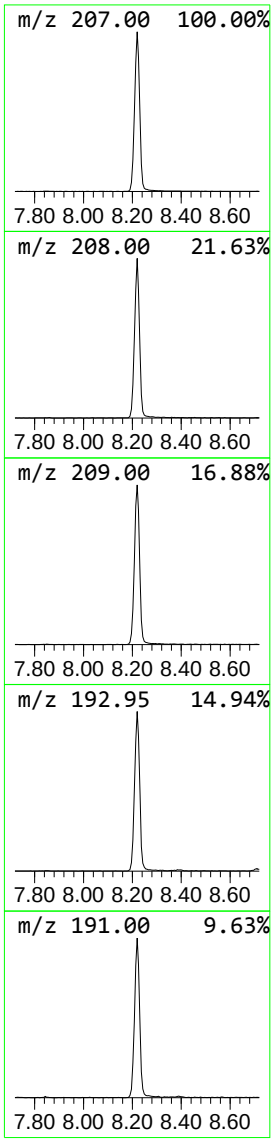
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 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 |



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

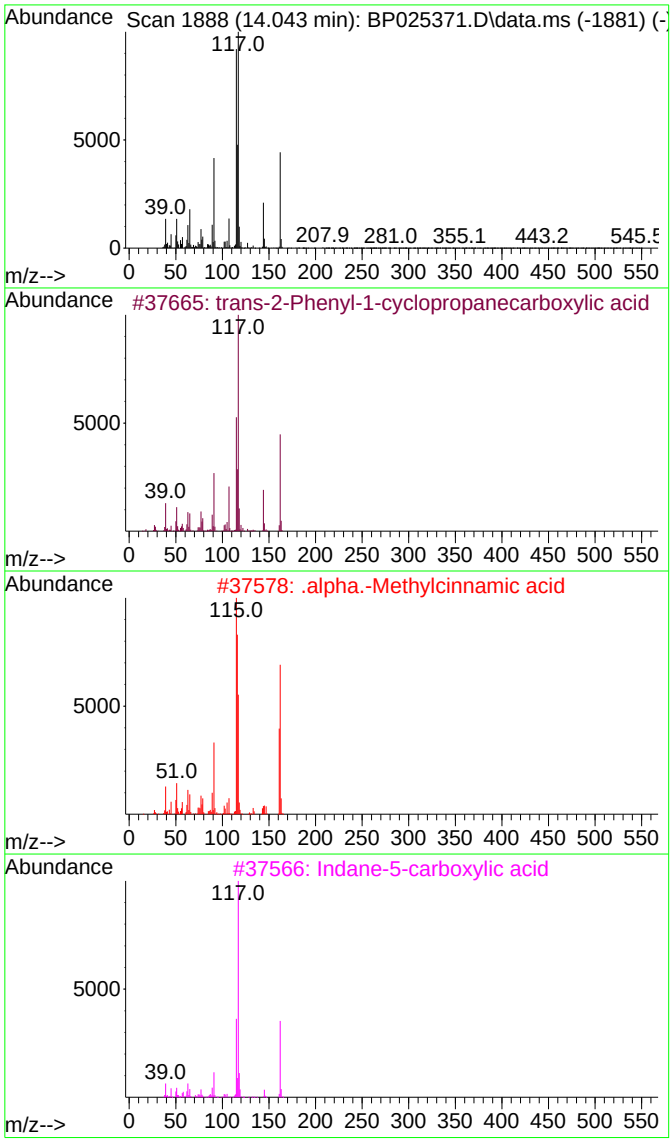
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

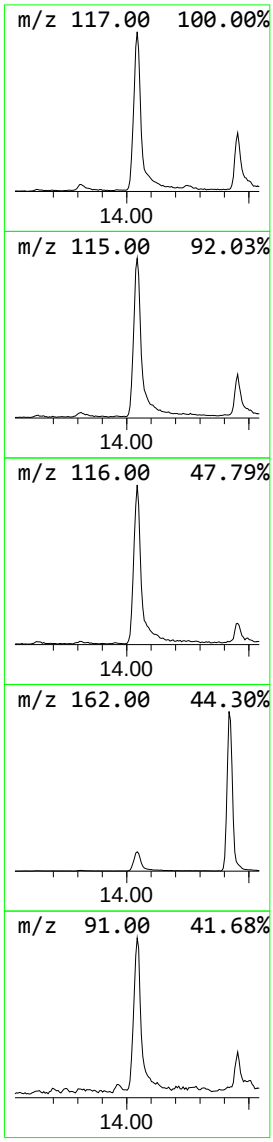
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 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 |



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

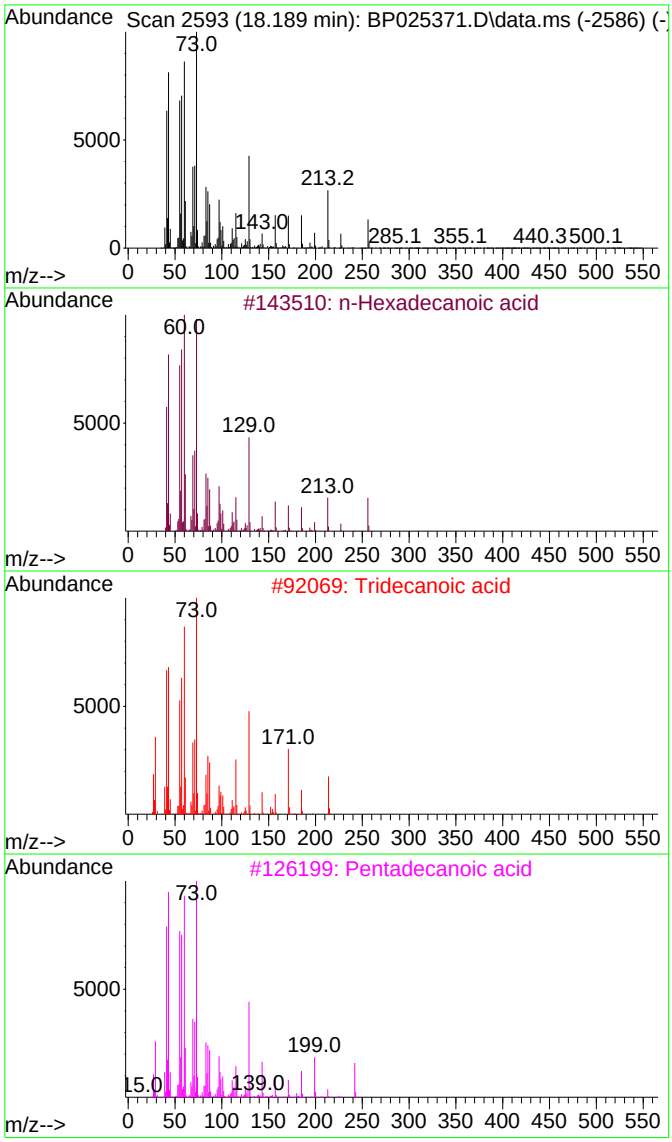
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

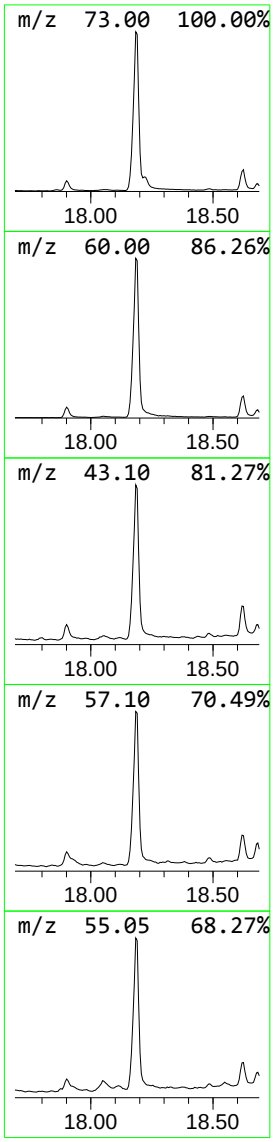
**********

Peak Number 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 |



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

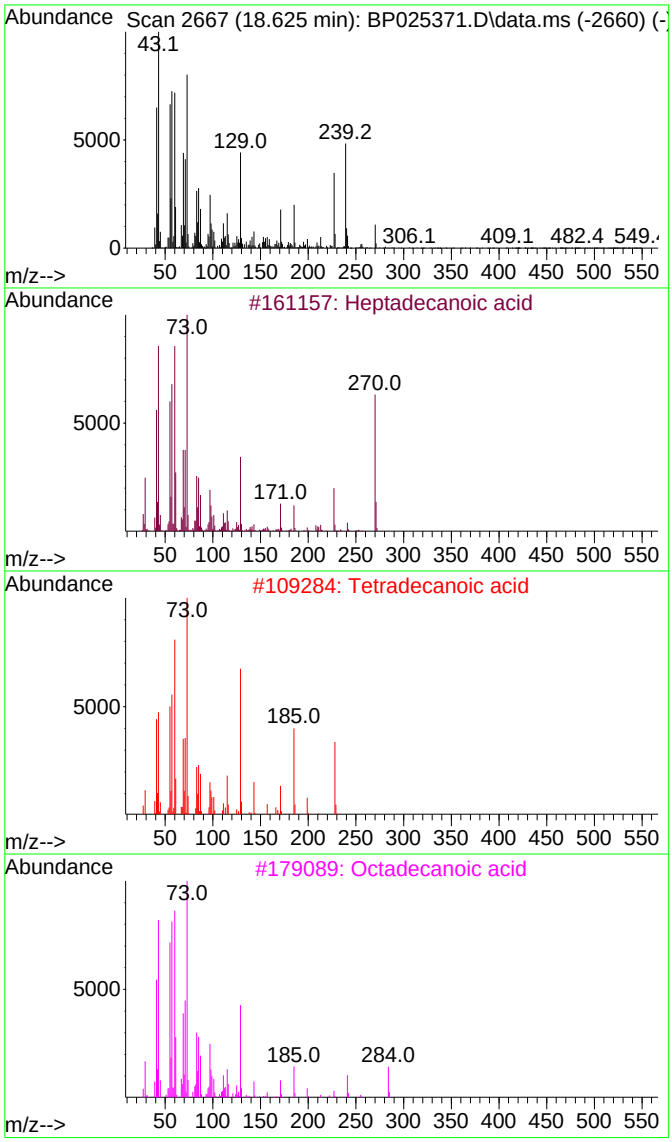
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

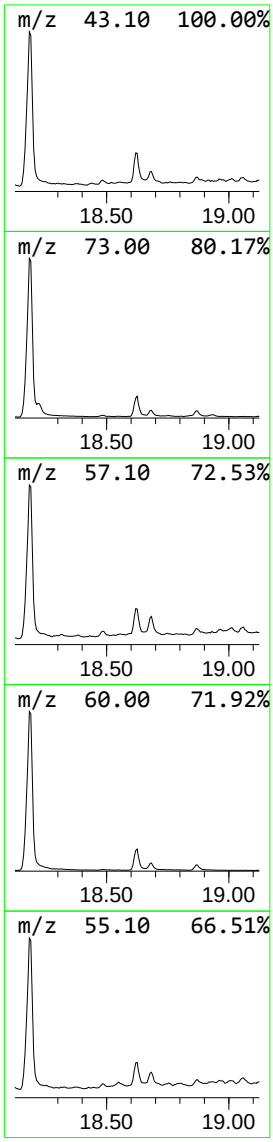
**********

Peak Number 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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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

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
```

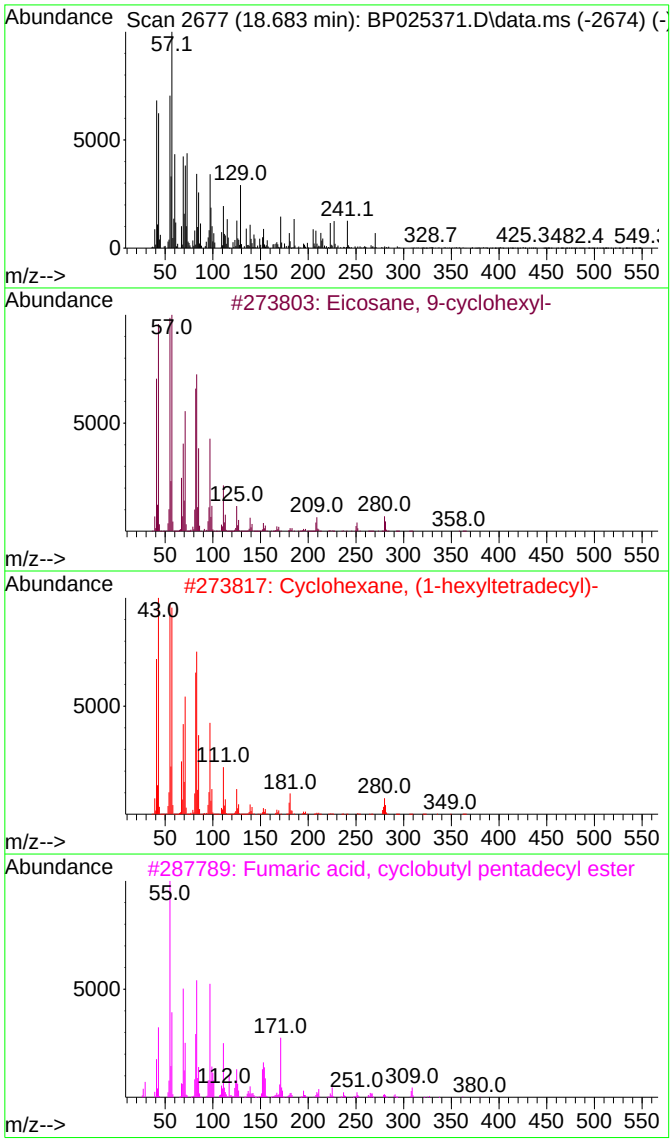
**Instrument :**
BNA_P
**ClientSampleId :**
B-2-5-1

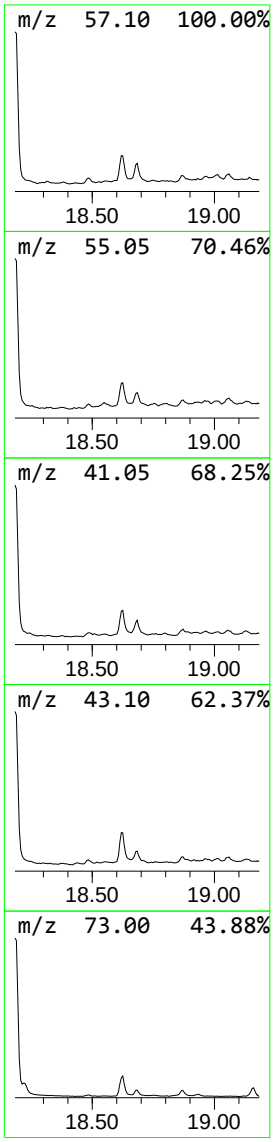
**********

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 |



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

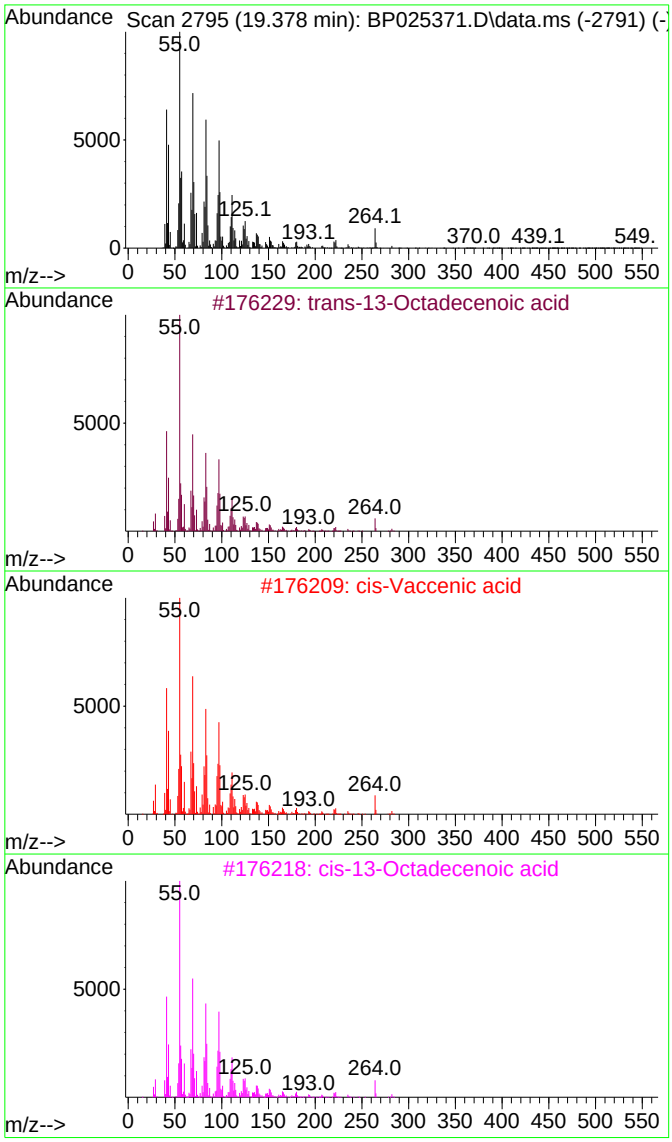
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

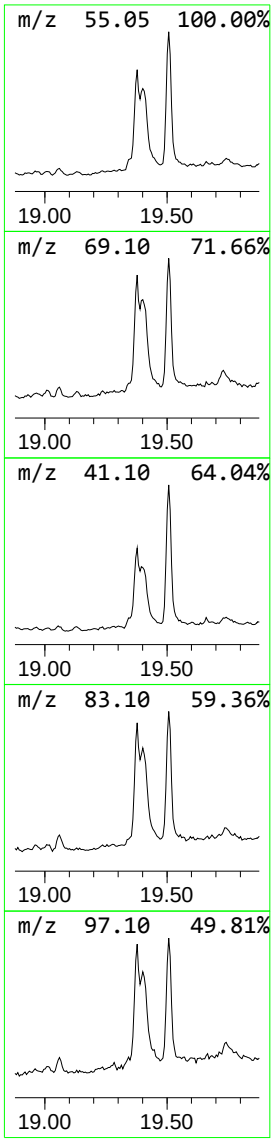
**********

Peak Number 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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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

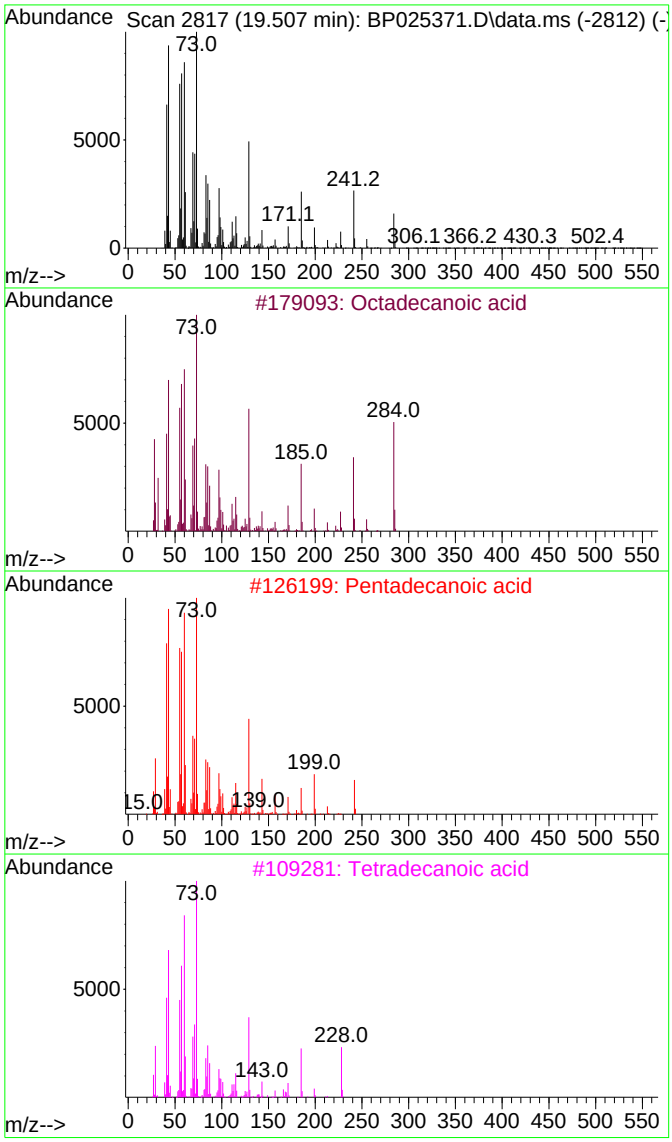
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

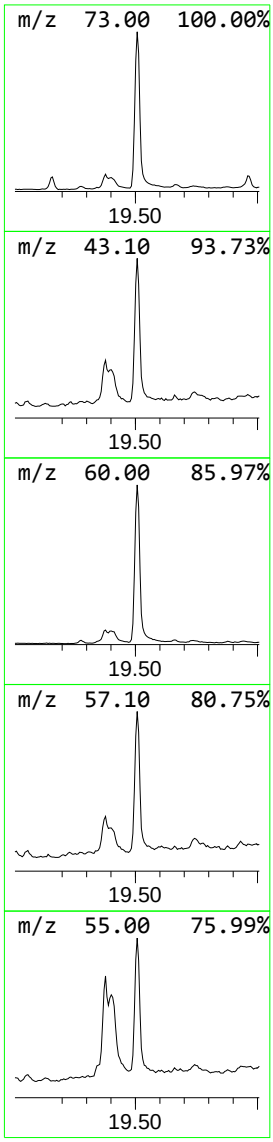
**********

Peak Number 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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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

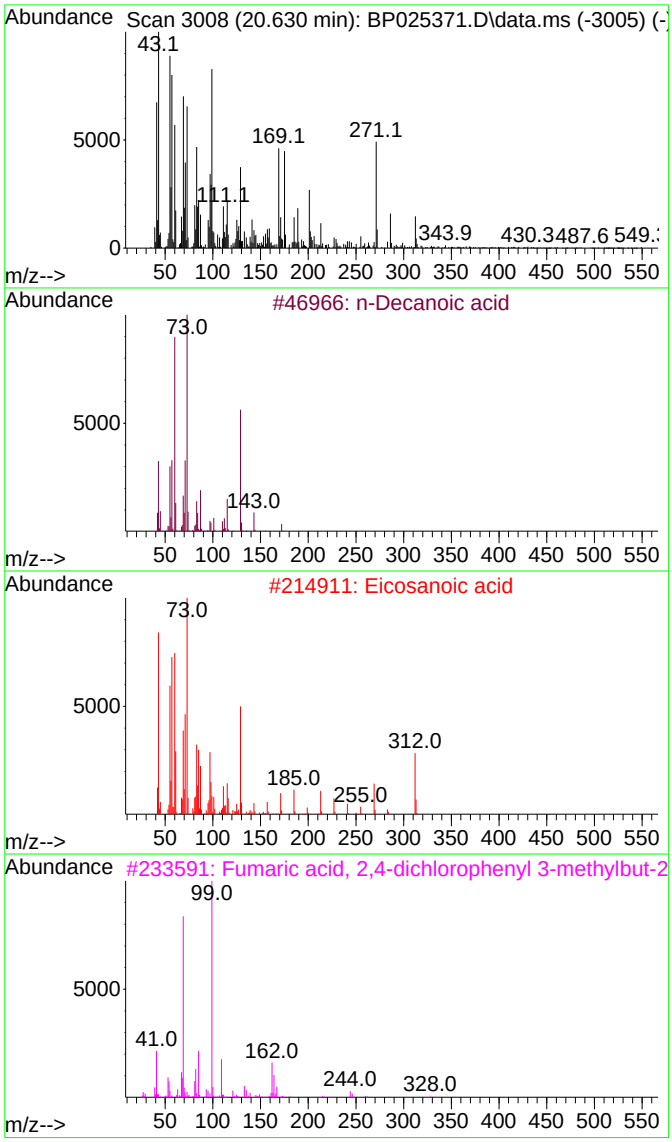
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

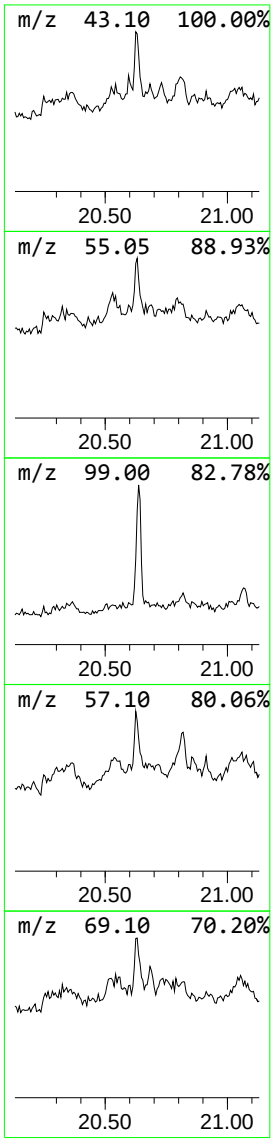
**********

Peak Number 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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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

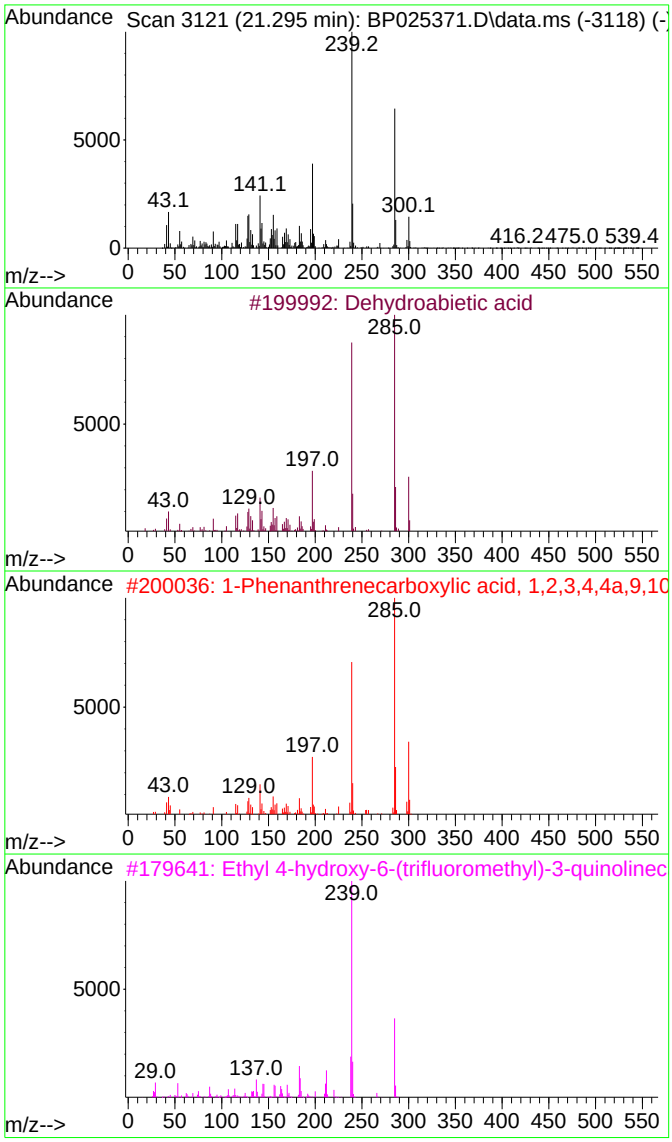
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

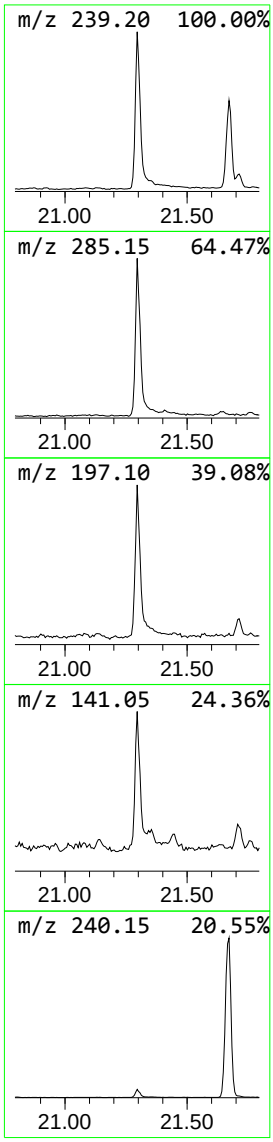
**********

Peak Number 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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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

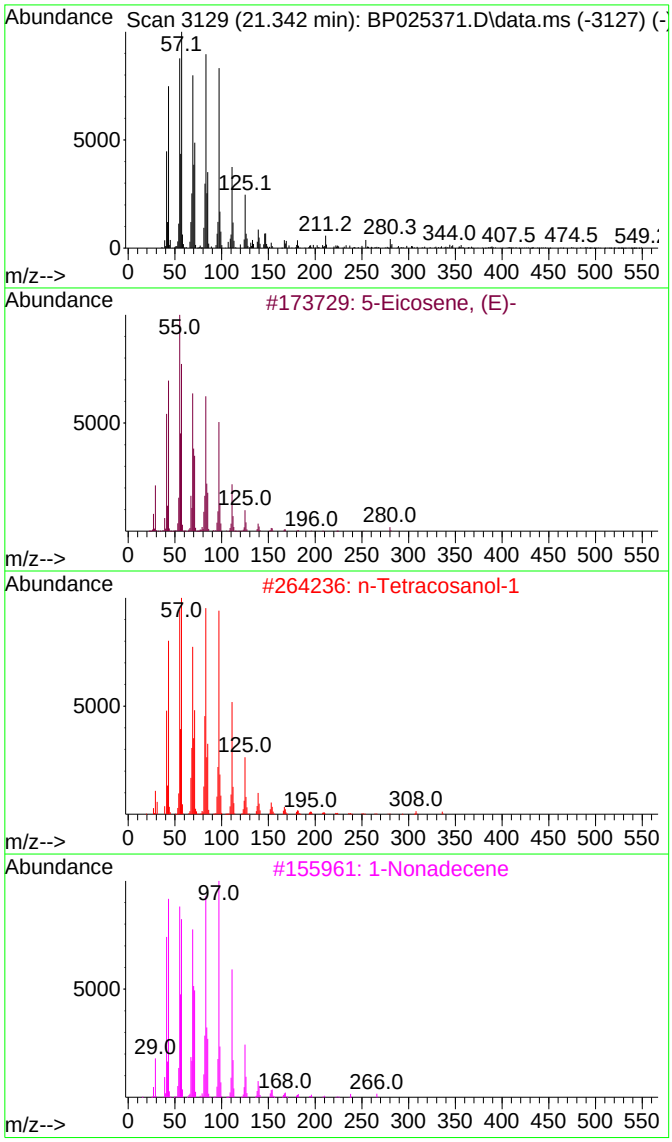
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

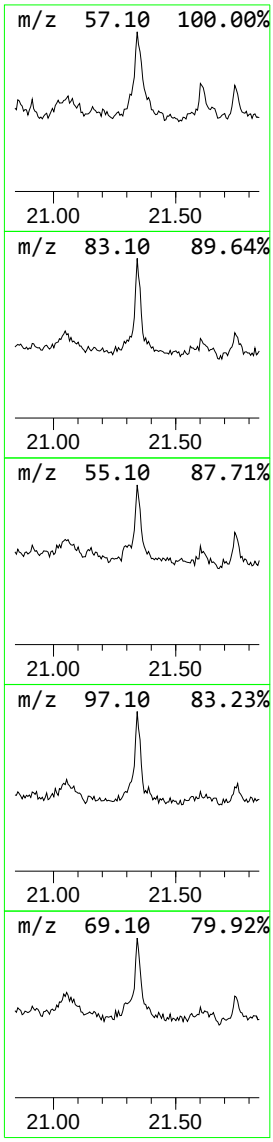
**********

Peak Number 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 |



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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

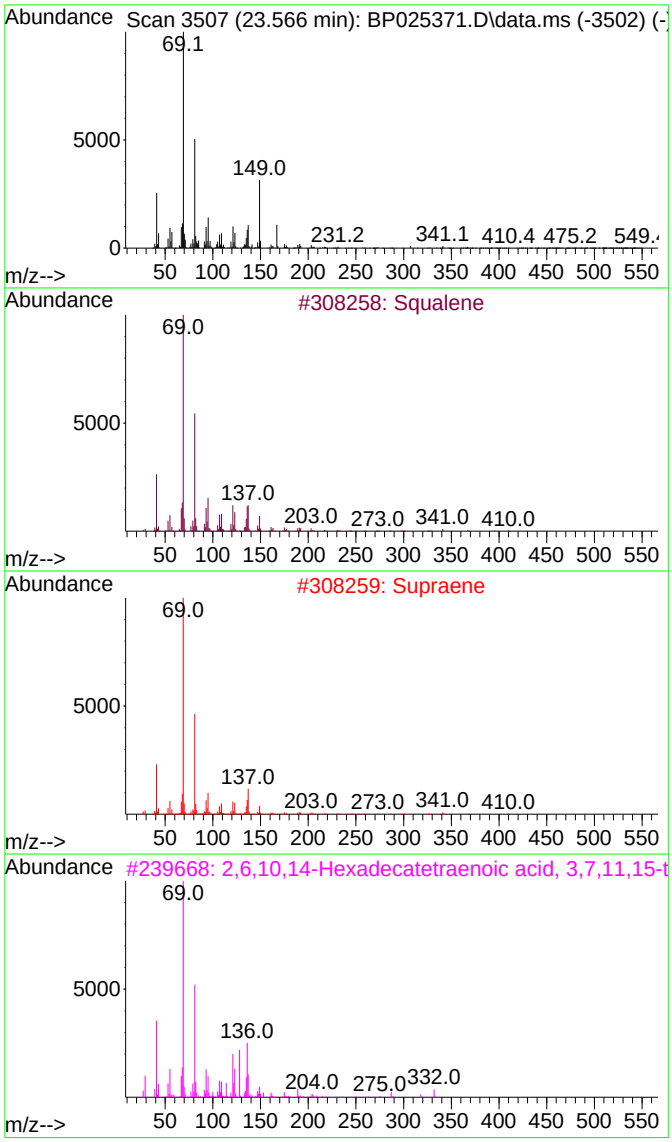
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

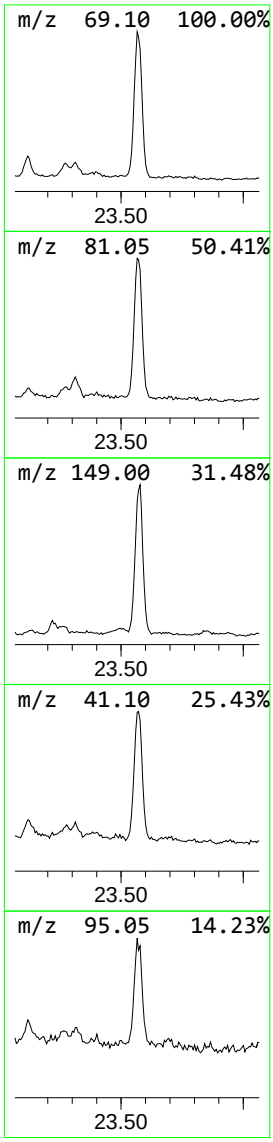
**********

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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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

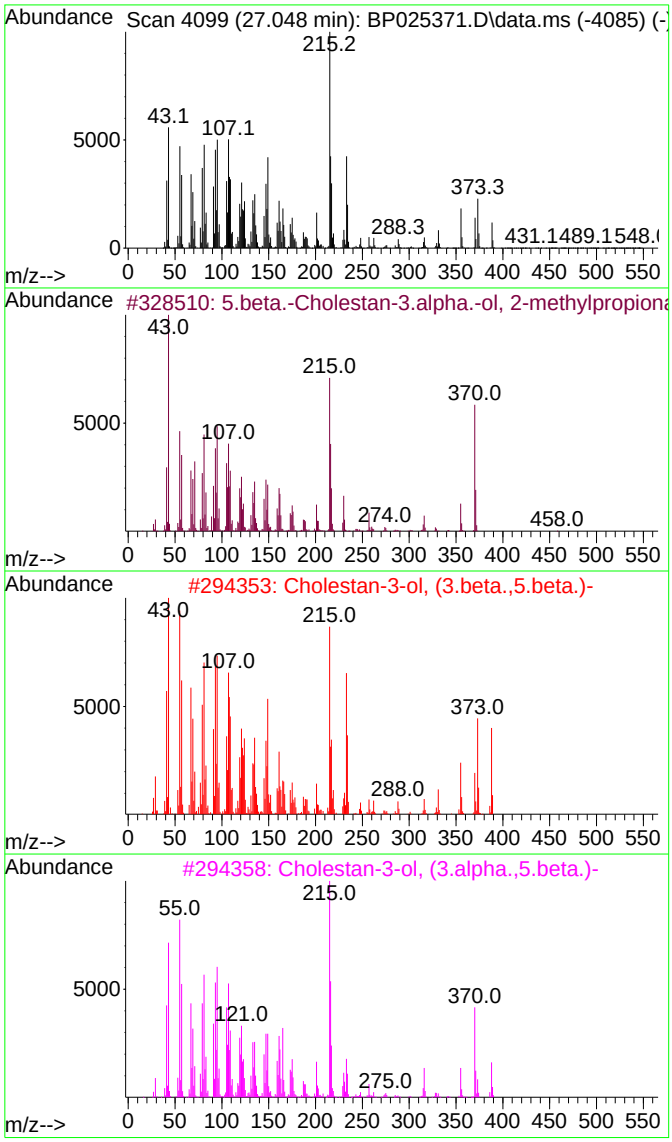
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

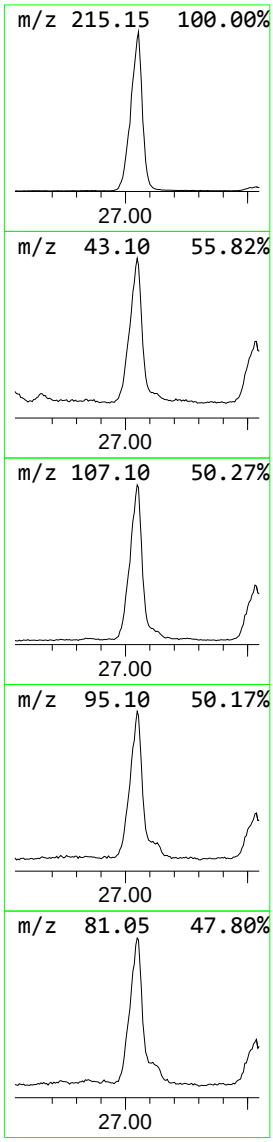
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
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

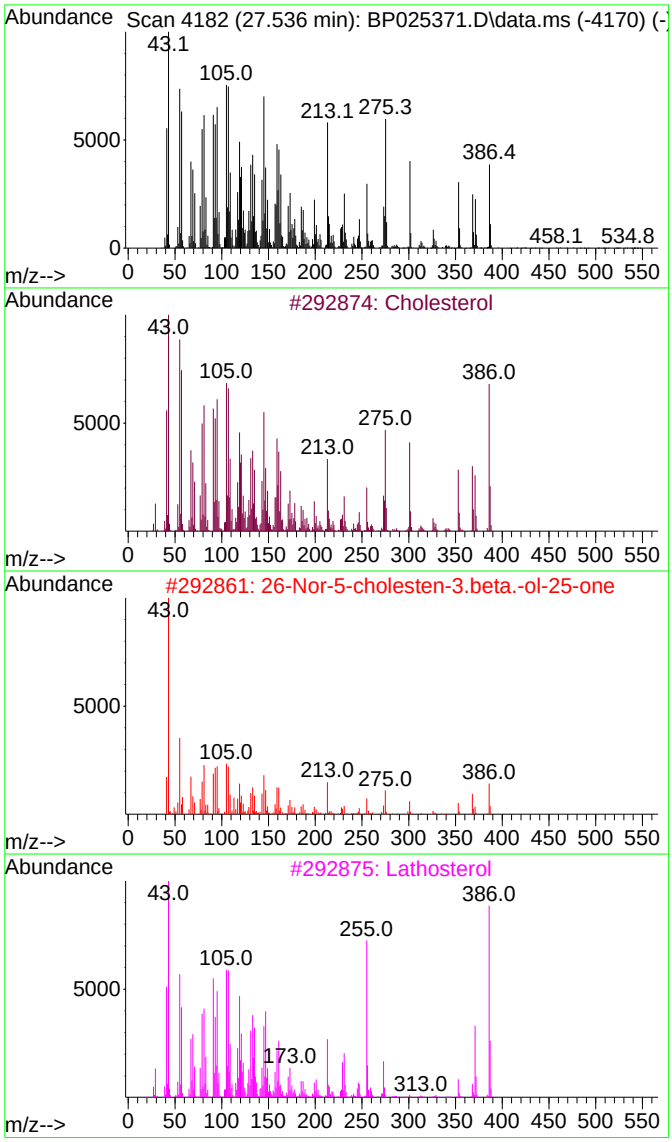
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

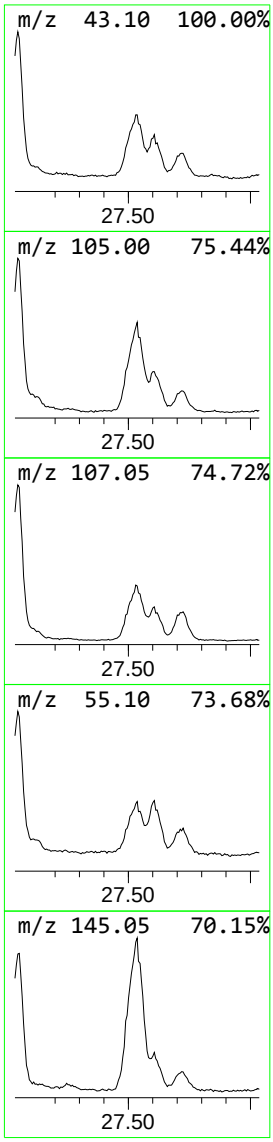
**********

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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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

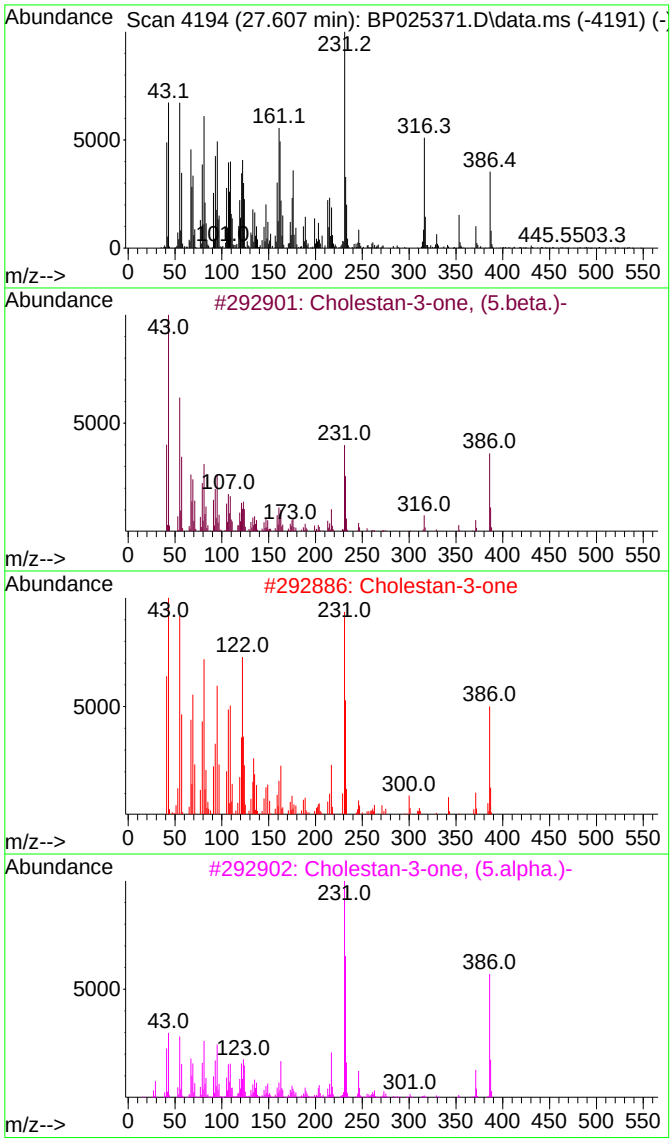
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

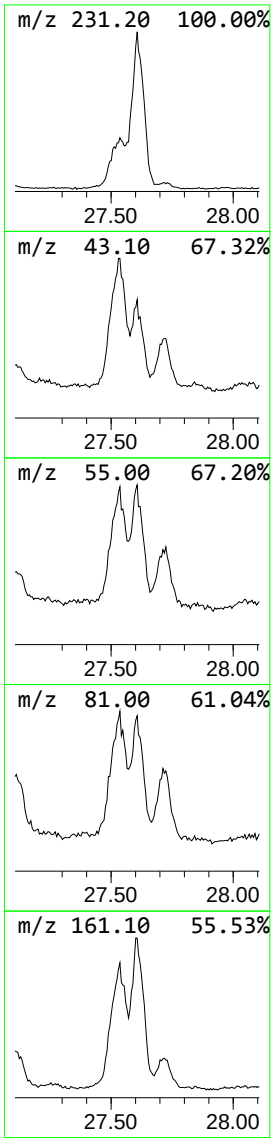
**********

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 |



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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

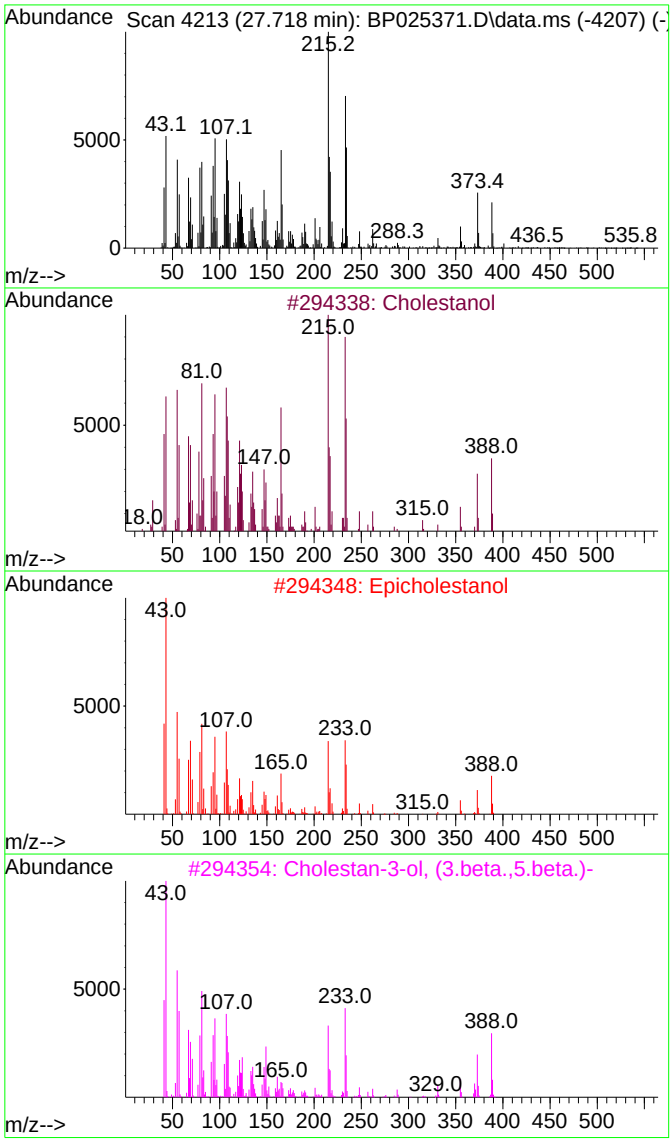
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

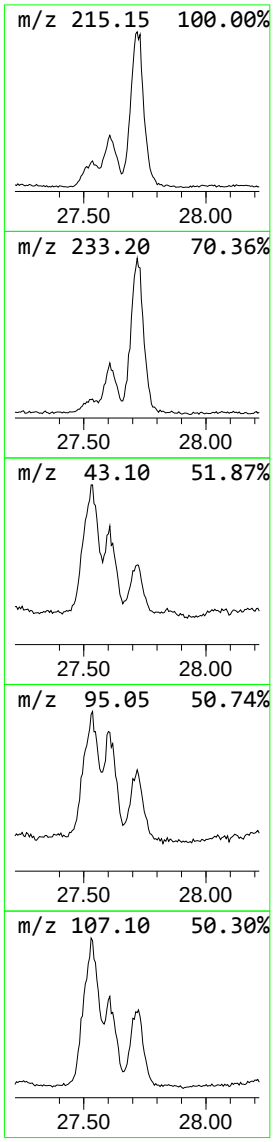
**********

Peak Number 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 |



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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

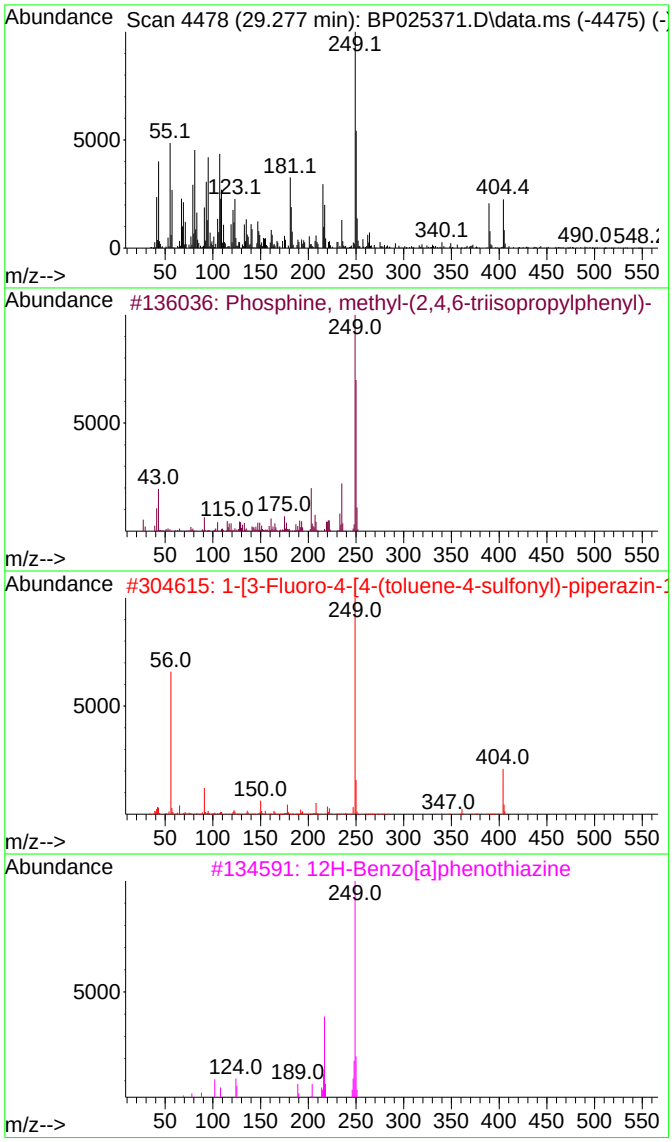
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

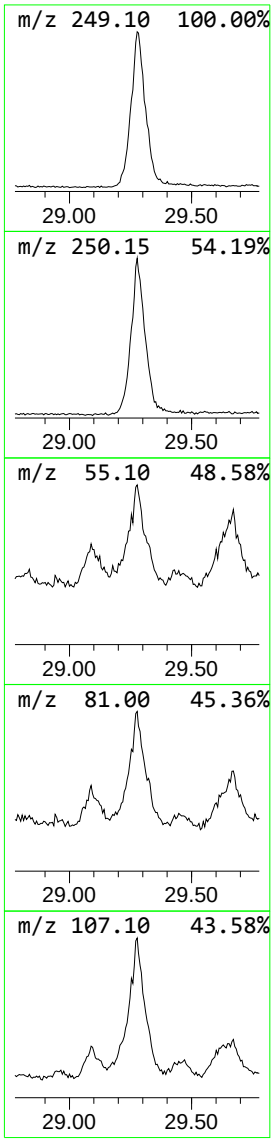
**********

Peak Number 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

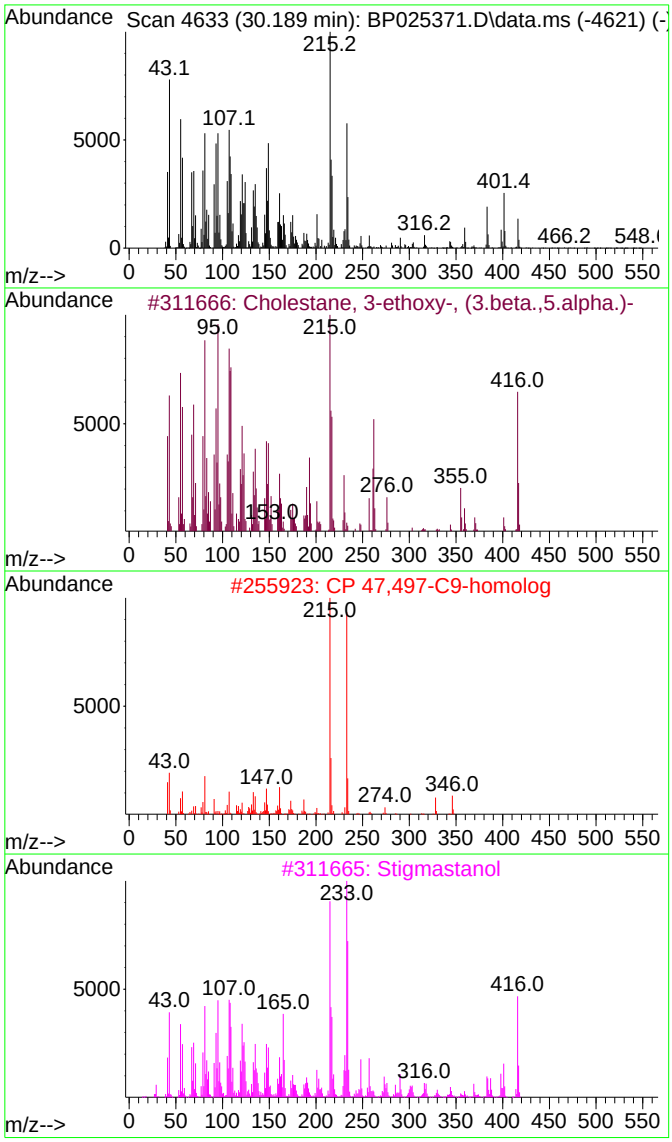
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

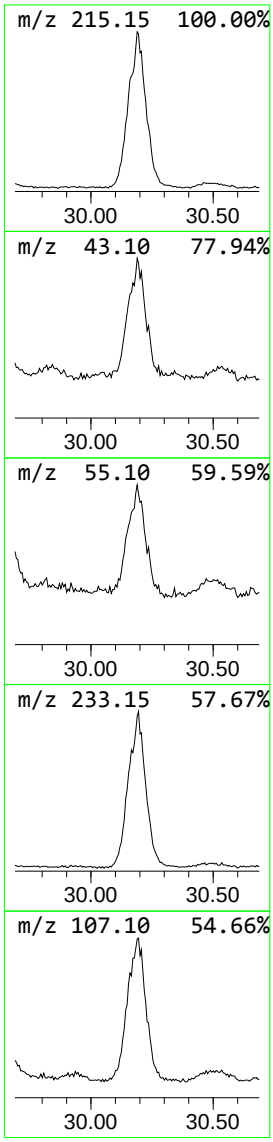
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
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

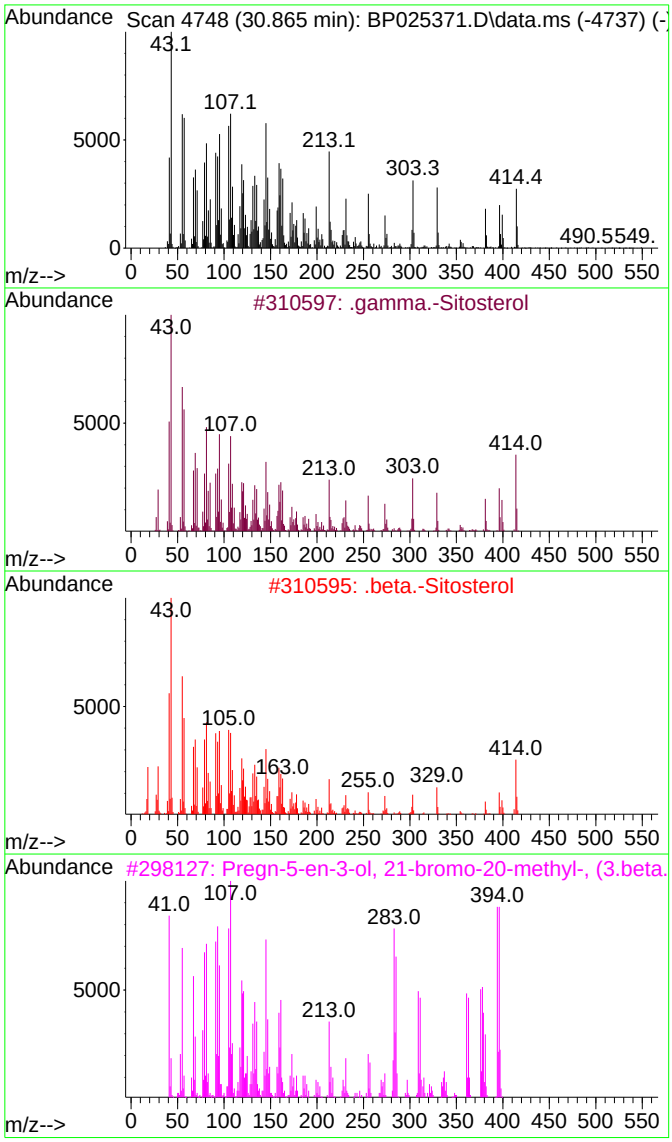
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

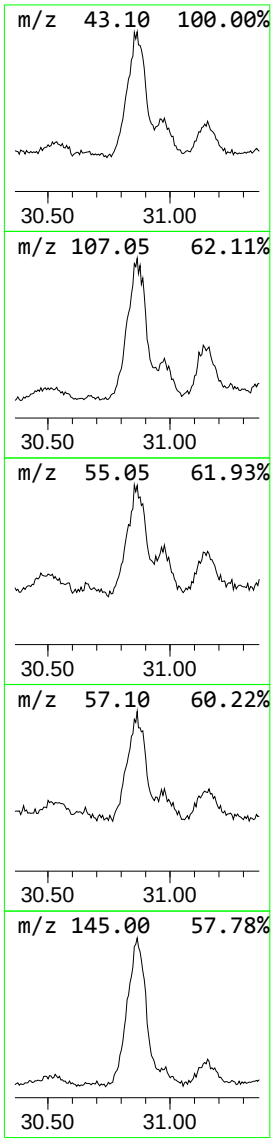
**********

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 |



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

| | | | | | --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

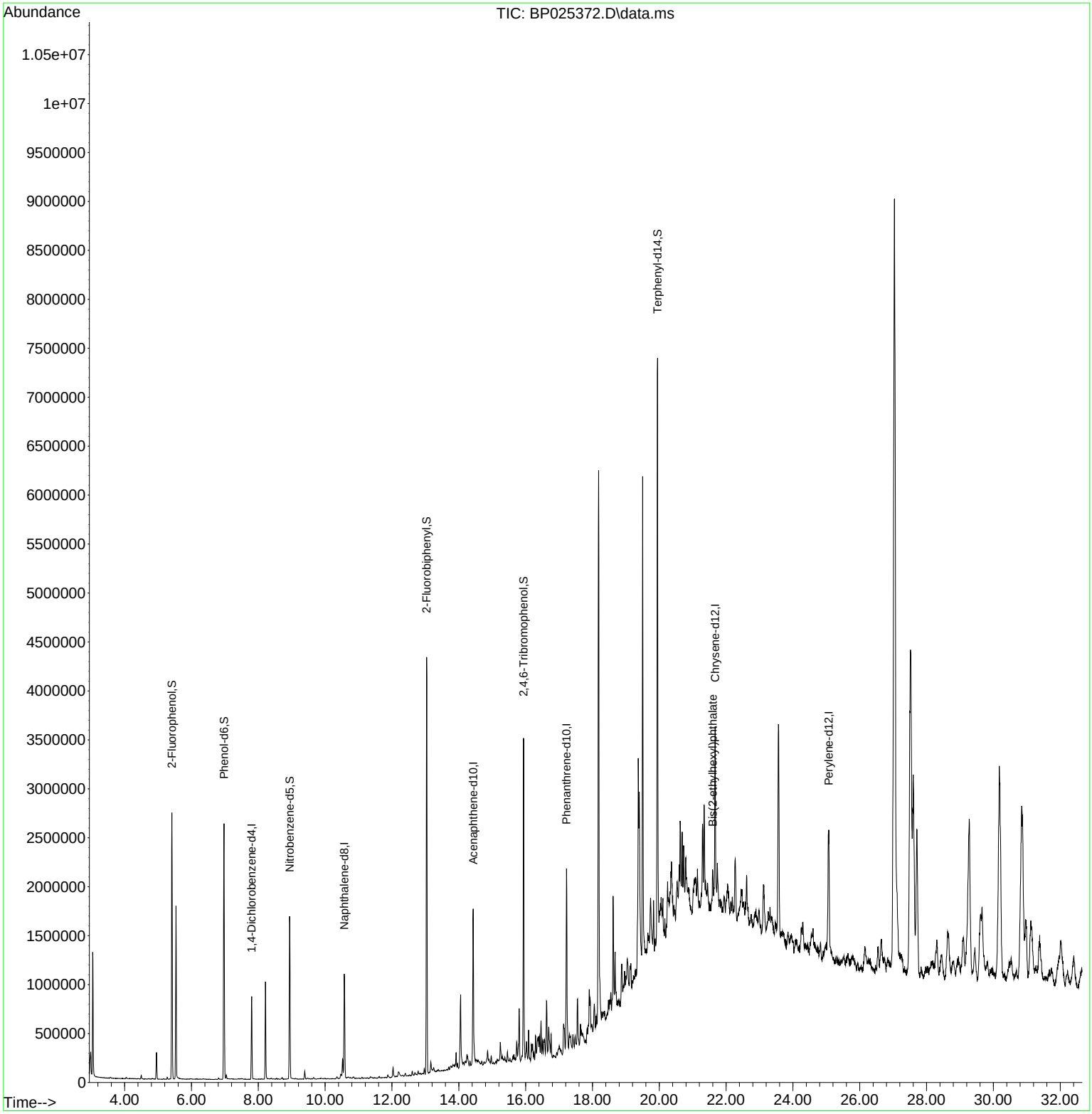
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.802 | 152 | 234324 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.572 | 136 | 947209 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.431 | 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 |

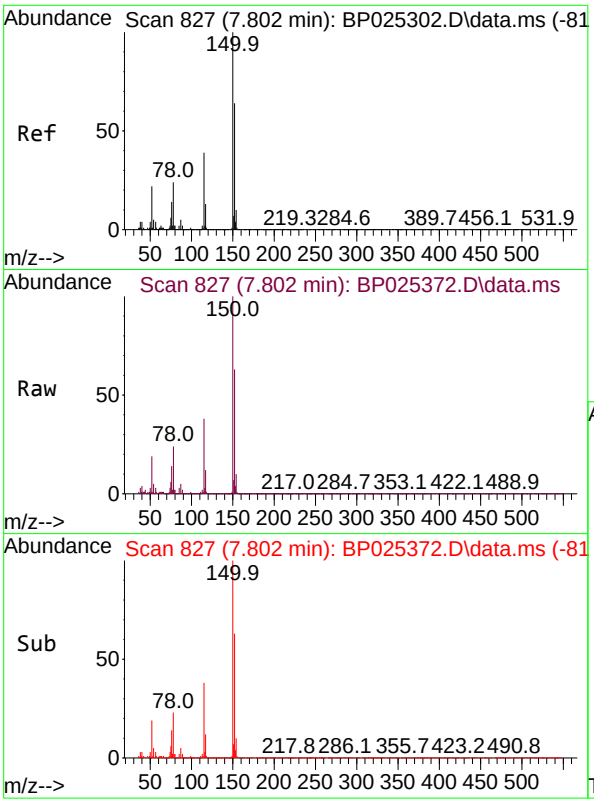
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



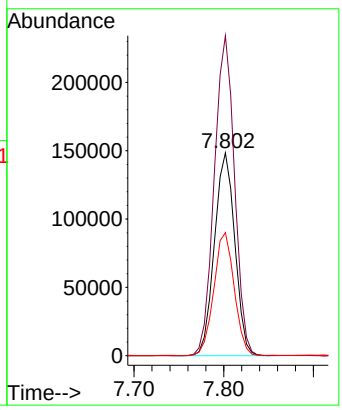


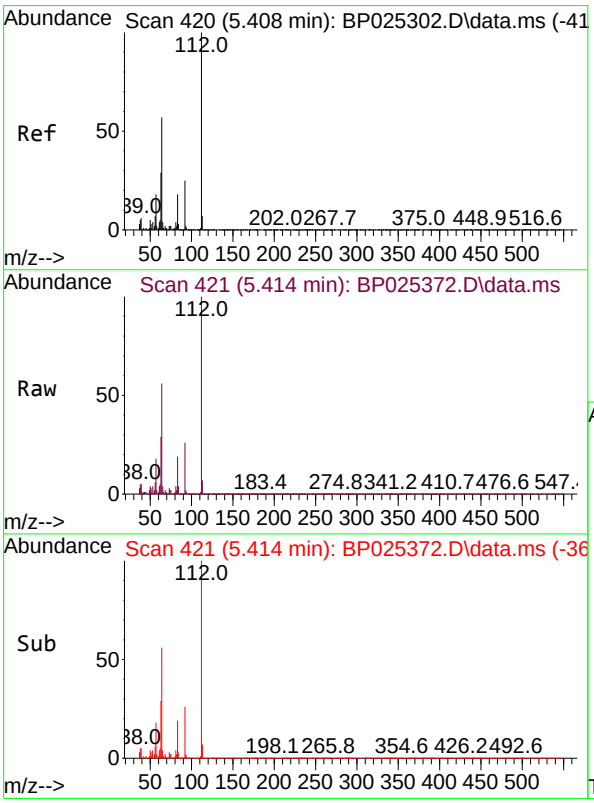

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025372.D
Acq: 12 Aug 2025 18:42

**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 |

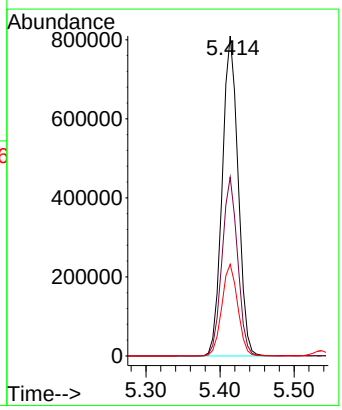


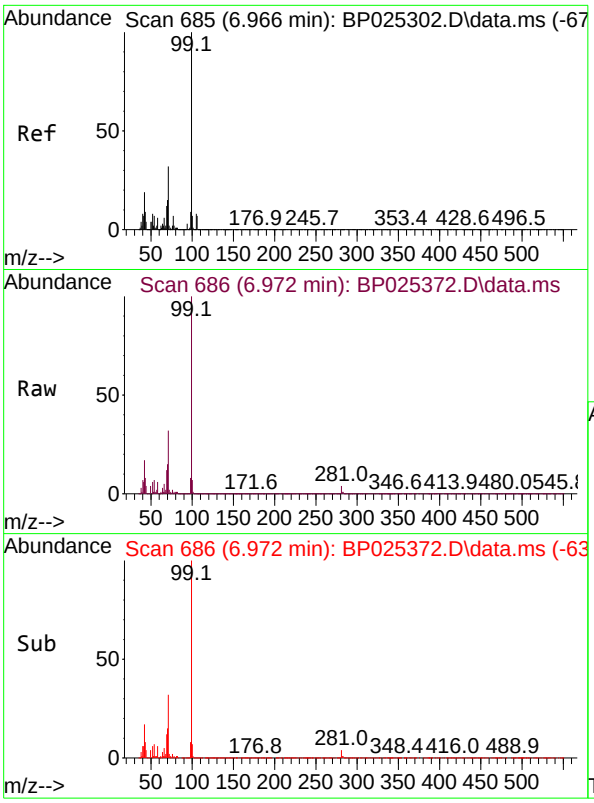




#5
2-Fluorophenol
Concen: 82.770 ng
RT: 5.414 min Scan# 421
Delta R.T. 0.006 min
Lab File: BP025372.D
Acq: 12 Aug 2025 18:42

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 |



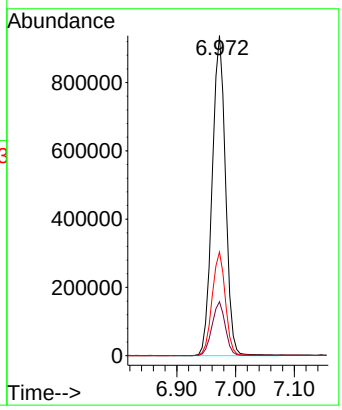


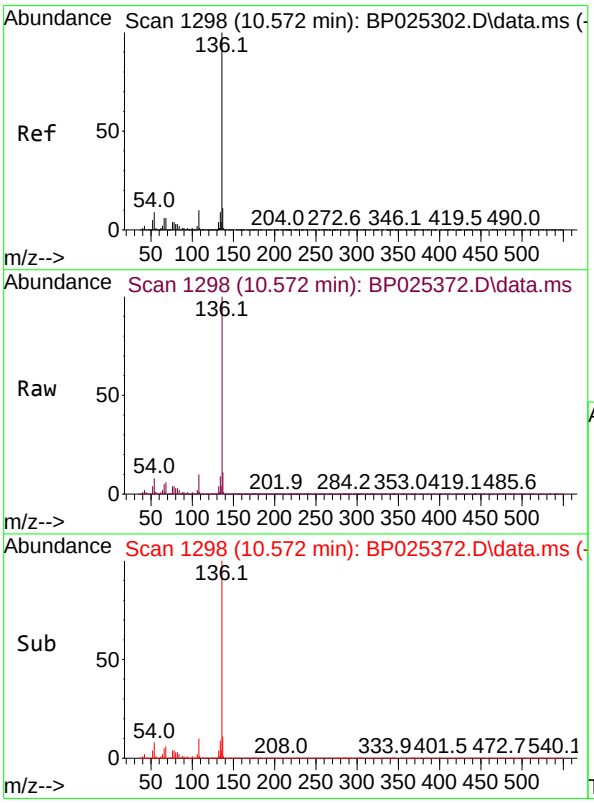

#7
Phenol-d6
Concen: 76.904 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025372.D
Acq: 12 Aug 2025 18:42

**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 |

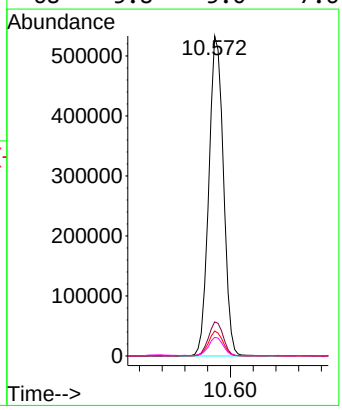


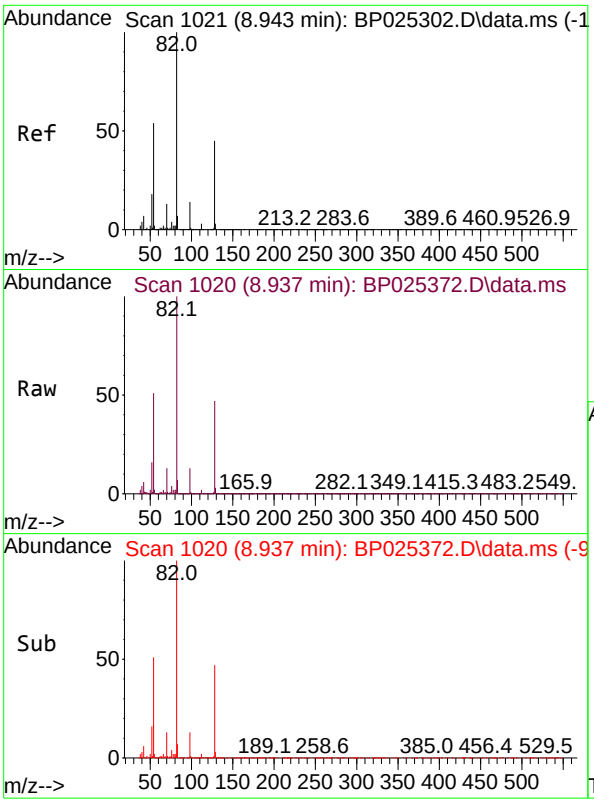




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BP025372.D
Acq: 12 Aug 2025 18:42

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 |



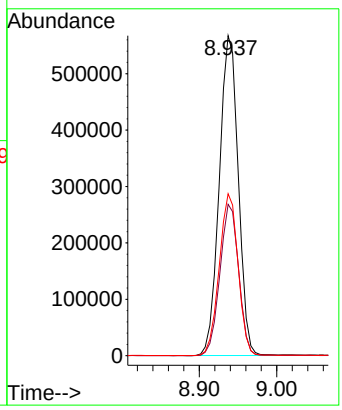


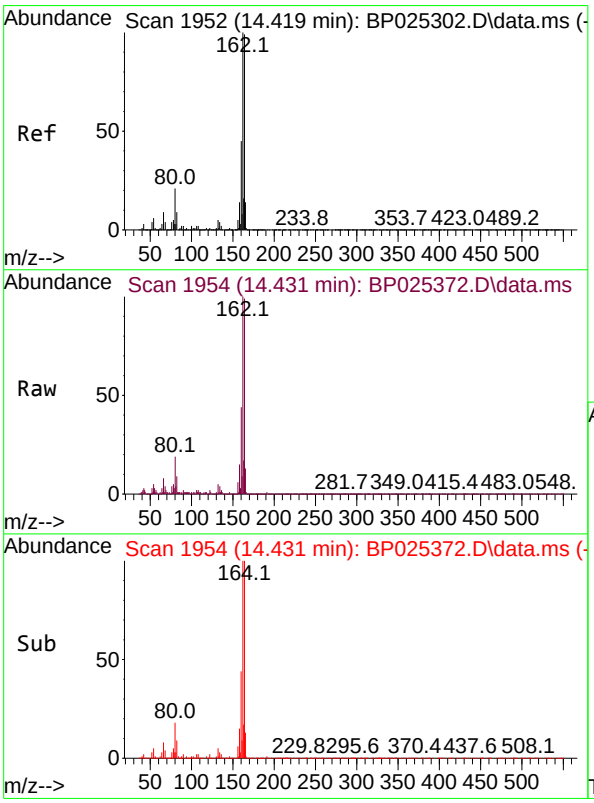

#23
Nitrobenzene-d5
Concen: 56.649 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025372.D
Acq: 12 Aug 2025 18:42

**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 |

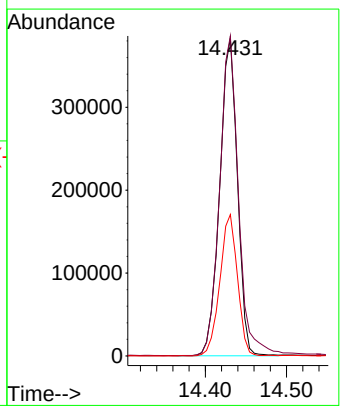


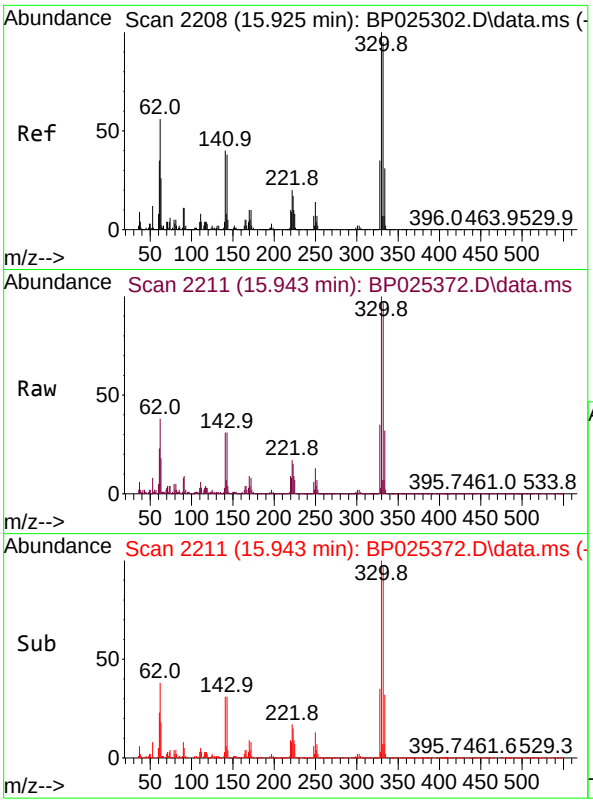




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.431 min Scan# 1954
Delta R.T. 0.012 min
Lab File: BP025372.D
Acq: 12 Aug 2025 18:42

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 |



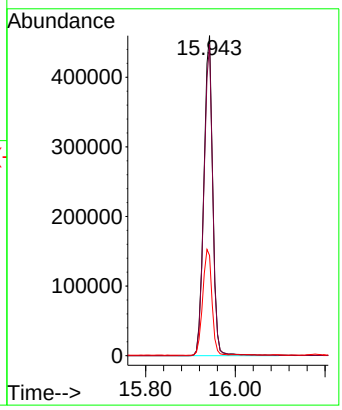


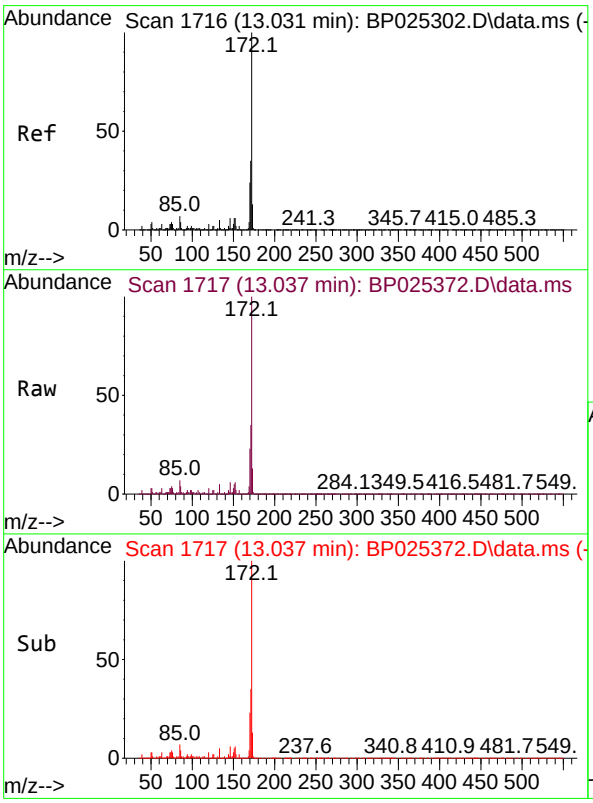

#42
2,4,6-Tribromophenol
Concen: 108.544 ng
RT: 15.943 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP025372.D
Acq: 12 Aug 2025 18:42

**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 |

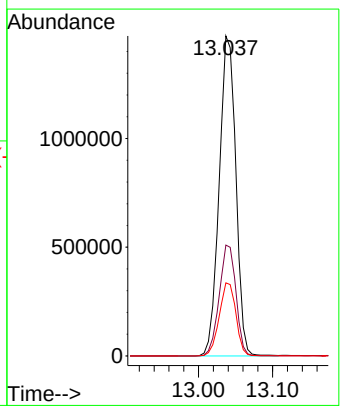


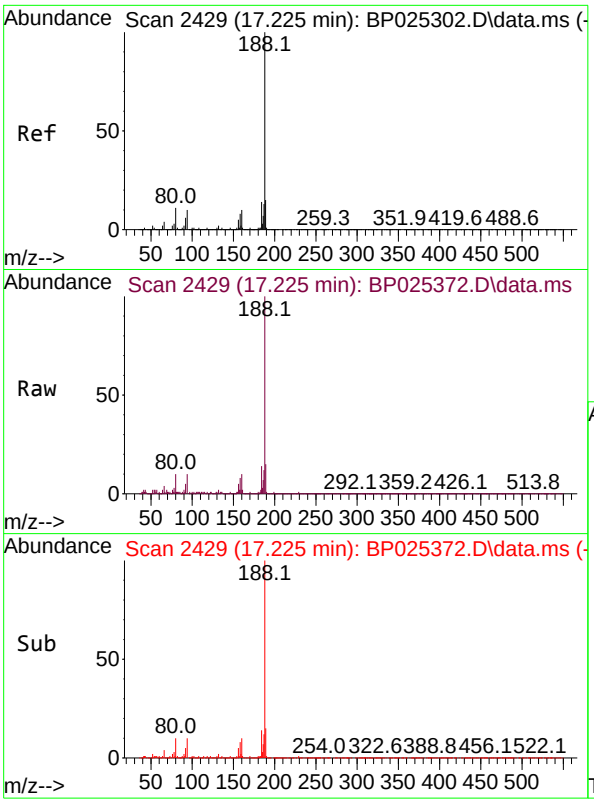




#45
2-Fluorobiphenyl
Concen: 54.602 ng
RT: 13.037 min Scan# 1717
Delta R.T. 0.006 min
Lab File: BP025372.D
Acq: 12 Aug 2025 18:42

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 |



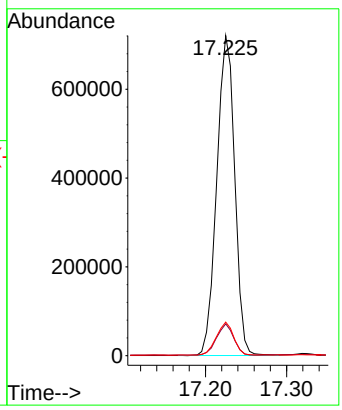


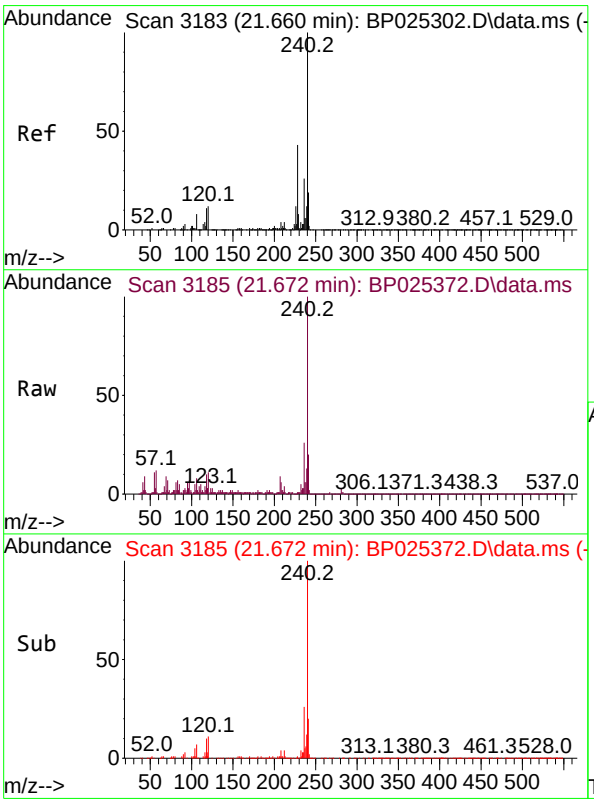

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025372.D
Acq: 12 Aug 2025 18:42

**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 |

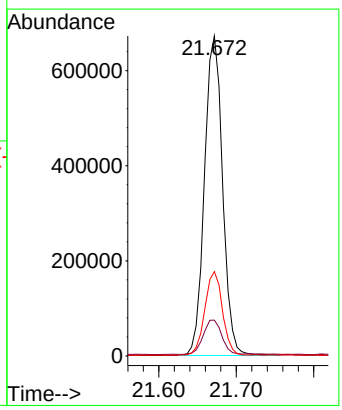


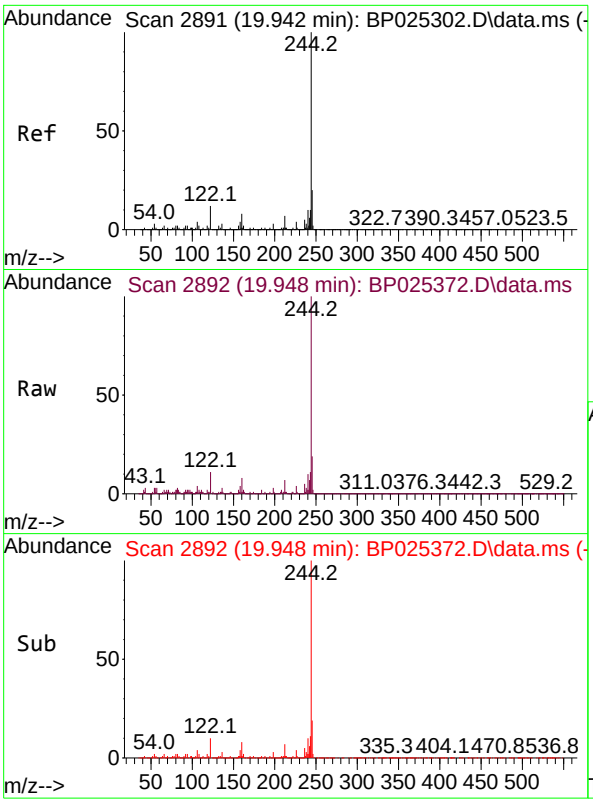




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.672 min Scan# 3185
Delta R.T. 0.012 min
Lab File: BP025372.D
Acq: 12 Aug 2025 18:42

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 |



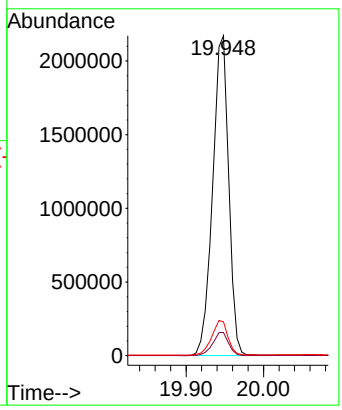


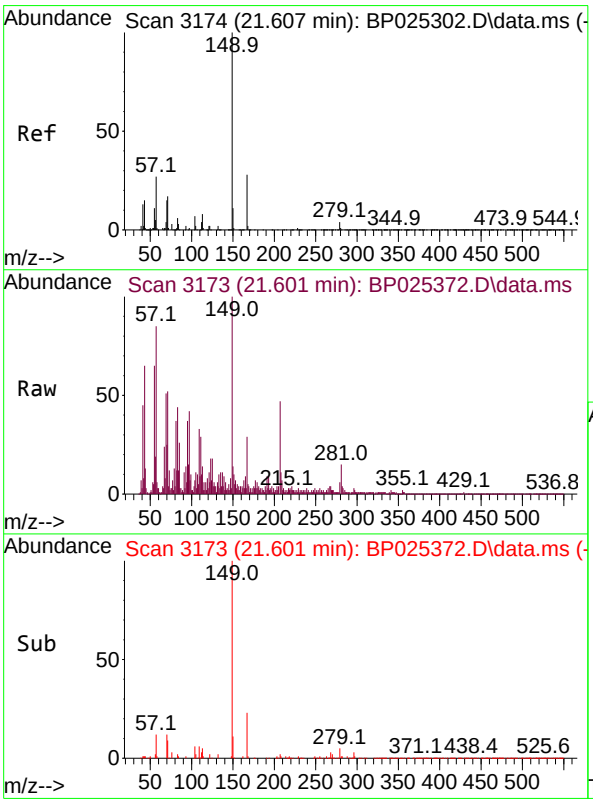

#79
Terphenyl-d14
Concen: 54.309 ng
RT: 19.948 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025372.D
Acq: 12 Aug 2025 18:42

**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 |

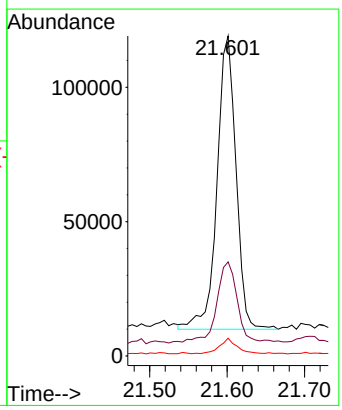


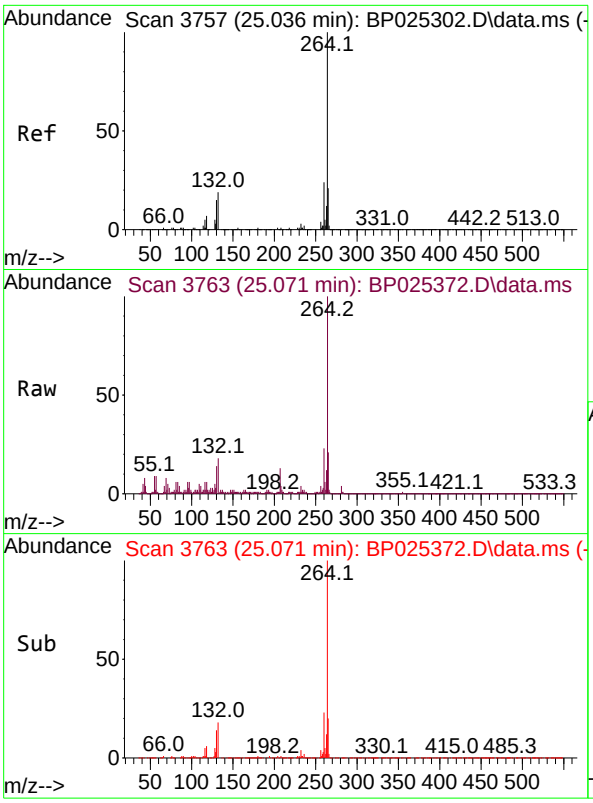




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.968 ng
RT: 21.601 min Scan# 3173
Delta R.T. -0.006 min
Lab File: BP025372.D
Acq: 12 Aug 2025 18:42

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# |



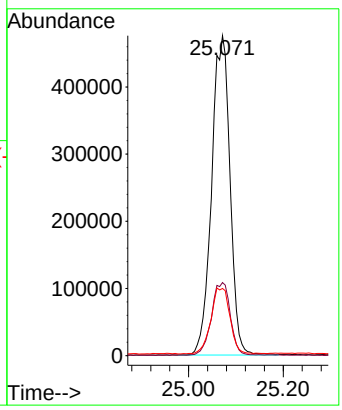



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.071 min Scan# 3
Delta R.T. 0.035 min
Lab File: BP025372.D
Acq: 12 Aug 2025 18:42

**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

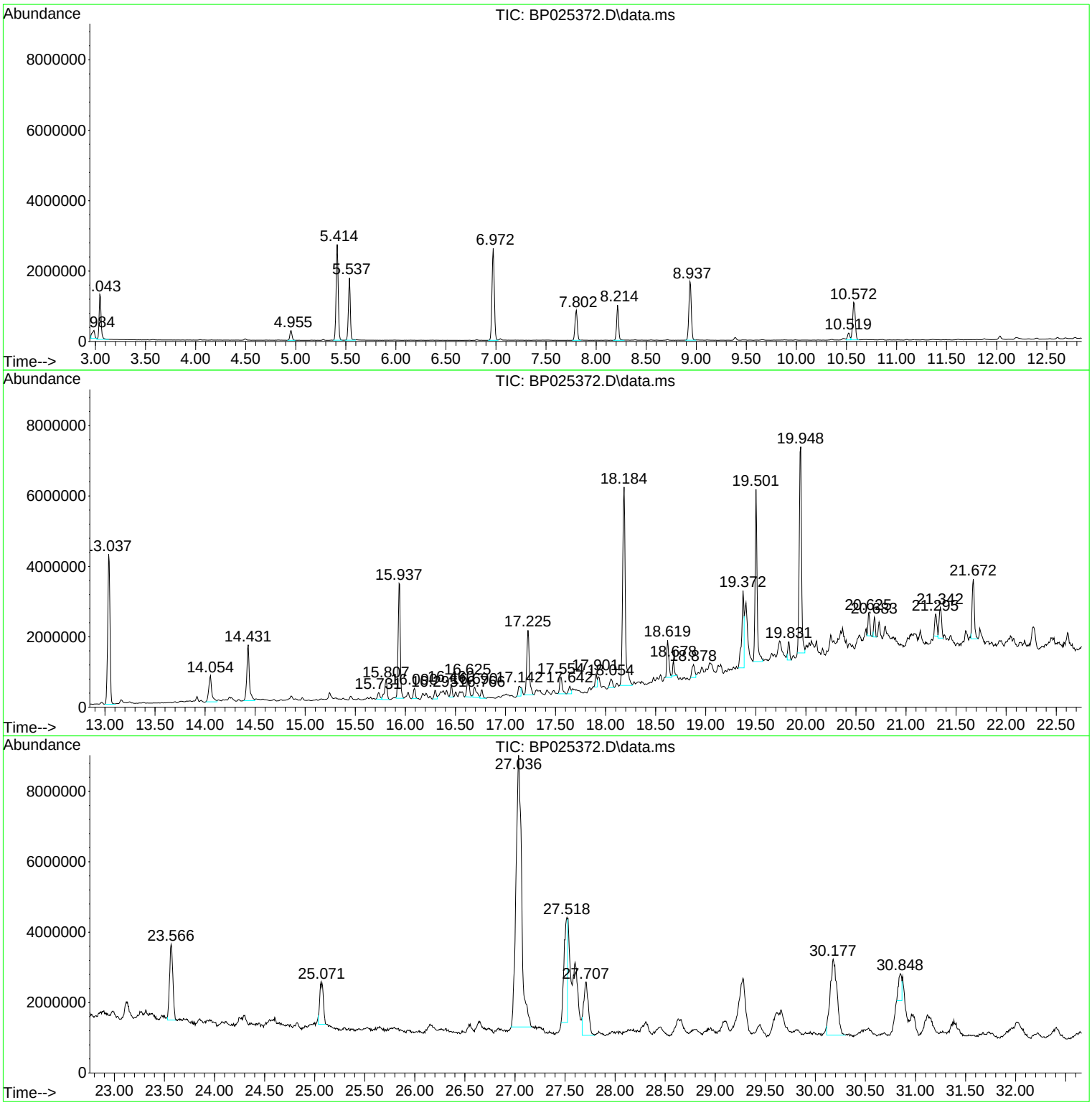
Sample Results: **BP025372.D**

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



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

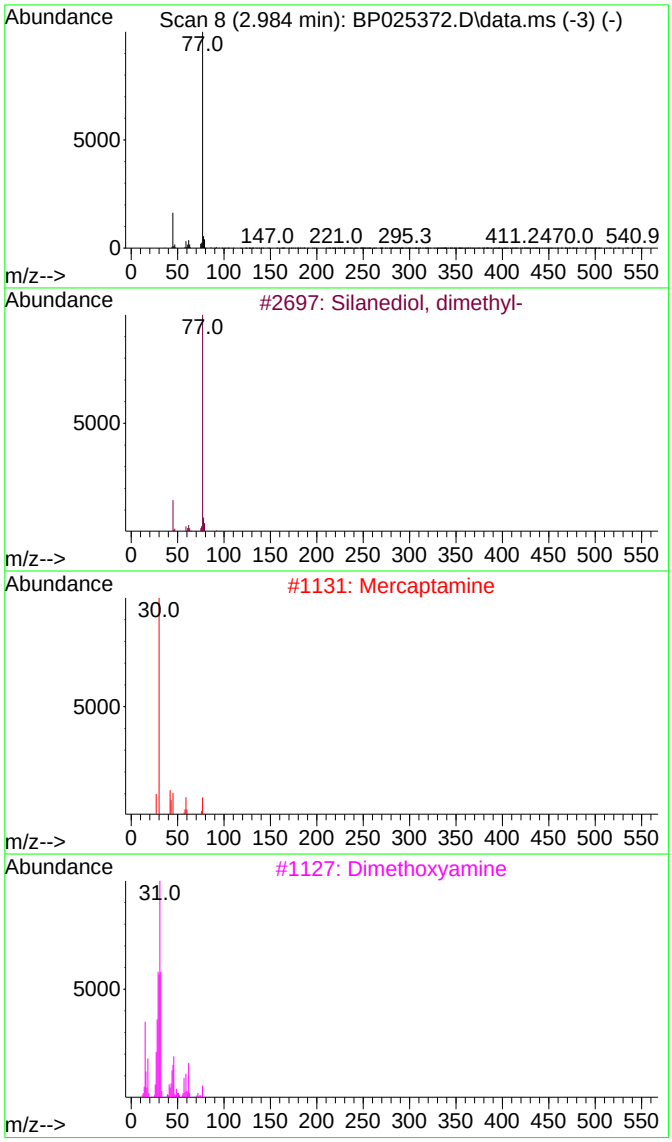
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

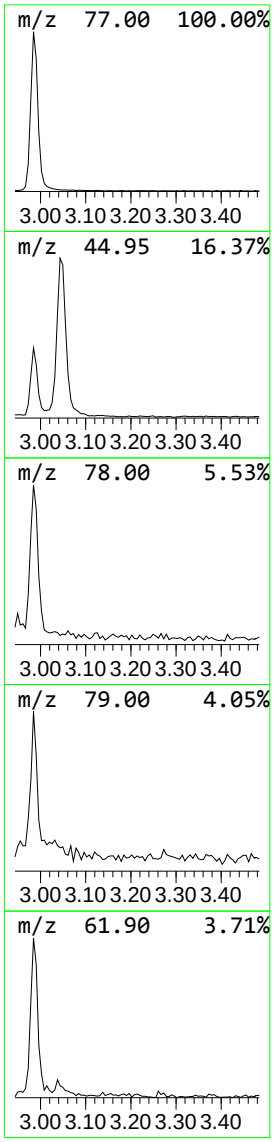
**********

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 |



```
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

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
```

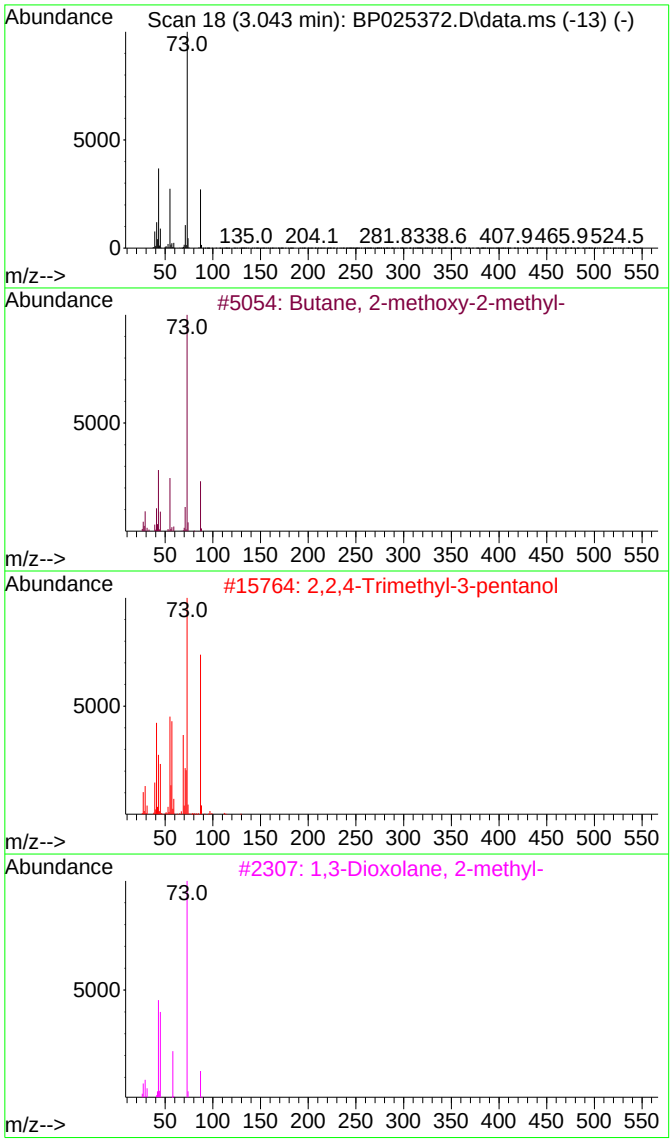
**Instrument :** BNA_P
**ClientSampleId :** B-3-5-2

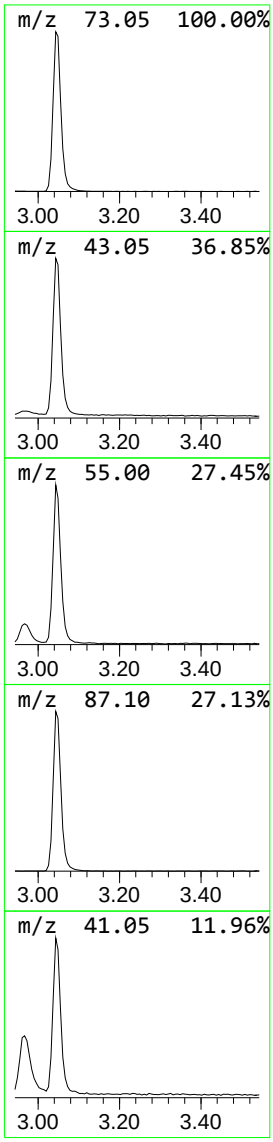
**********

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 |



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

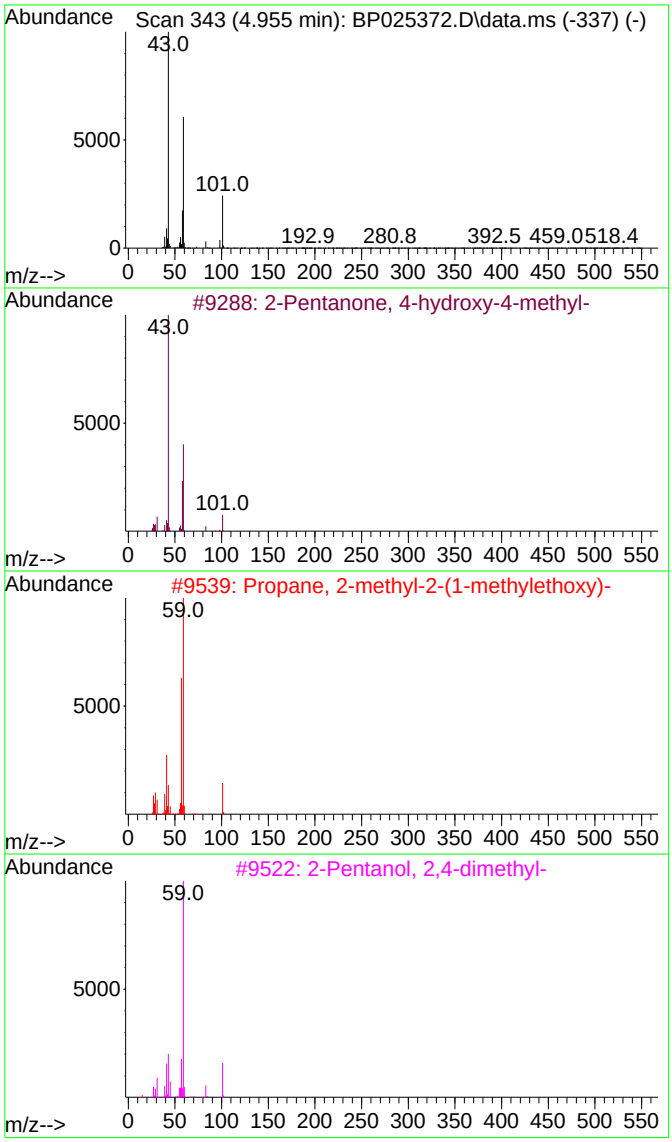
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

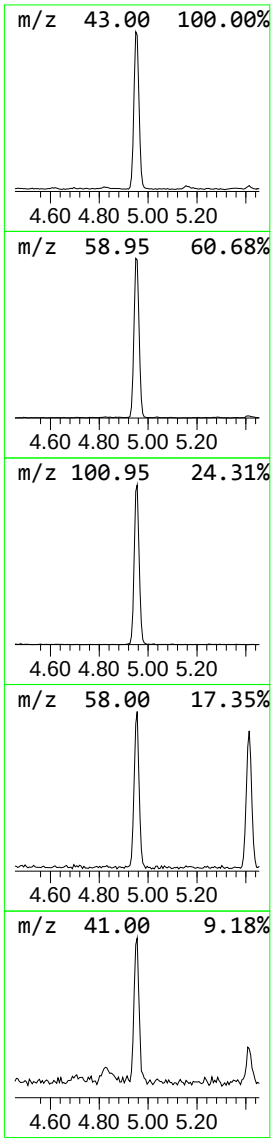
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
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 |



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

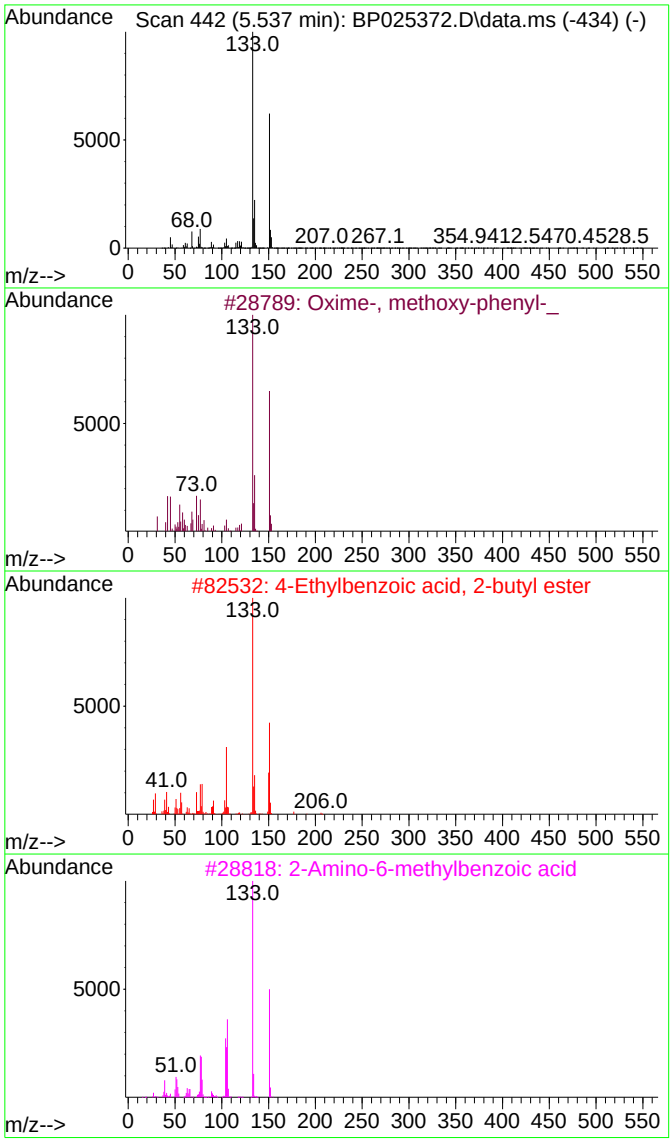
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

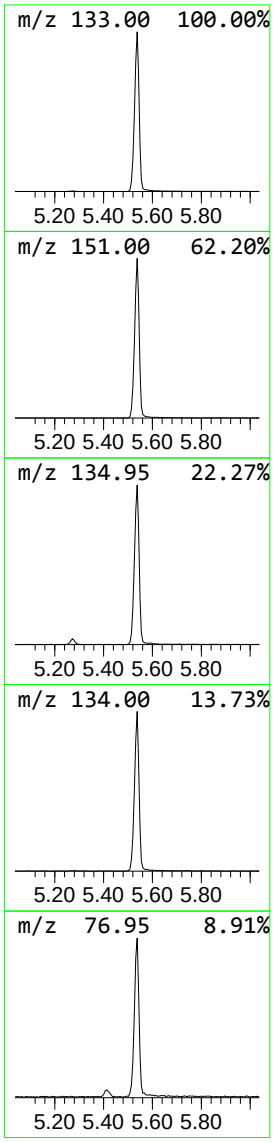
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
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 |



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

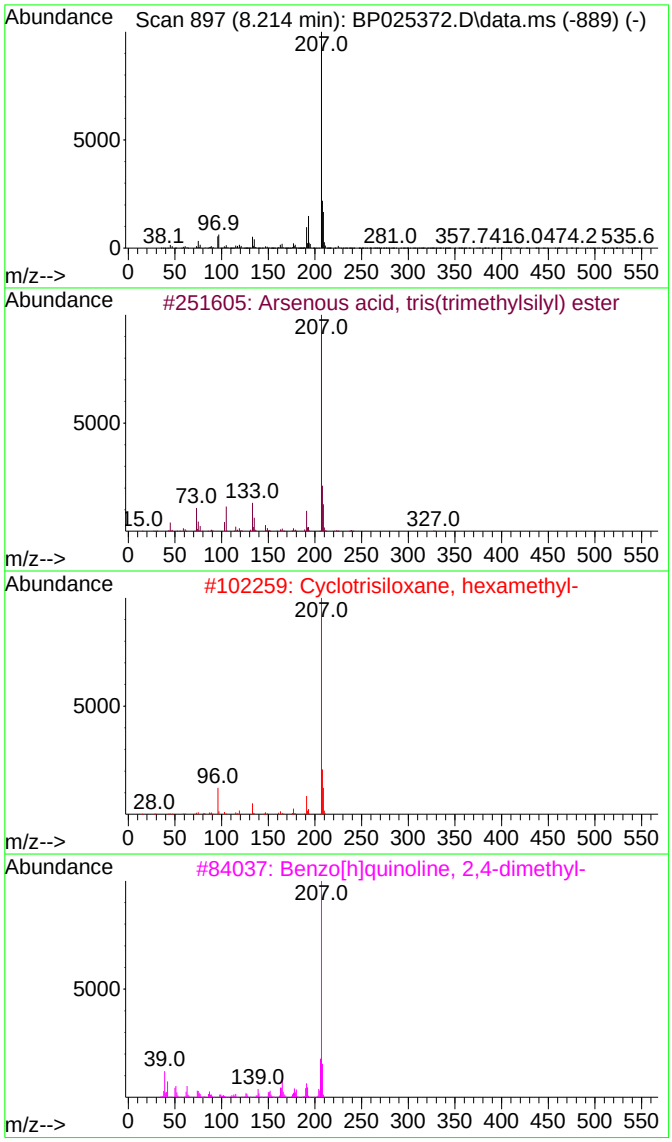
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

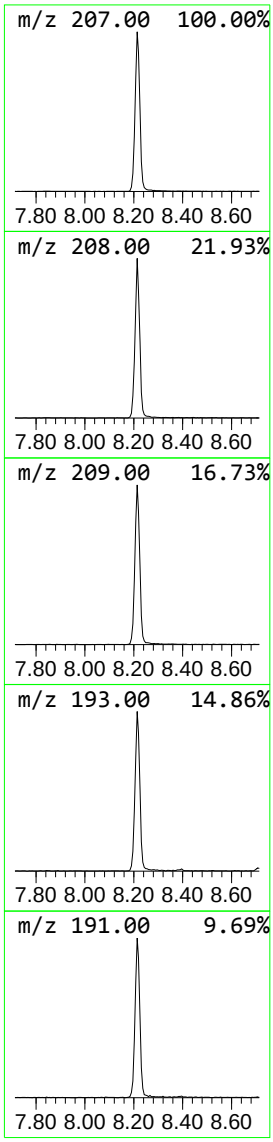
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
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 |



```
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

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
```

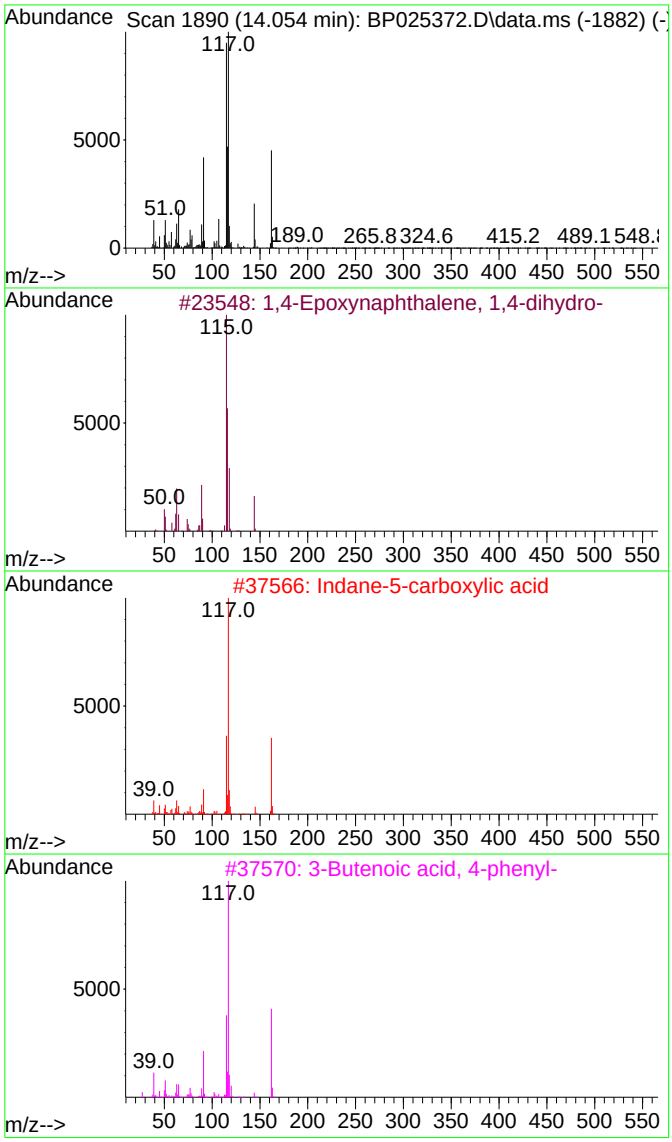
**Instrument :**
BNA_P
**ClientSampleId :**
B-3-5-2

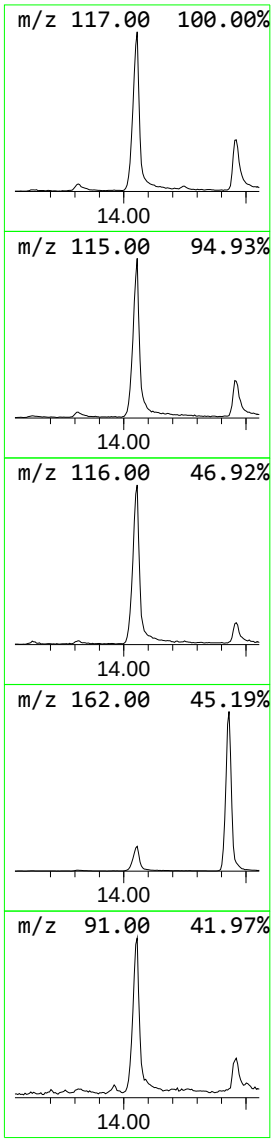
**********

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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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

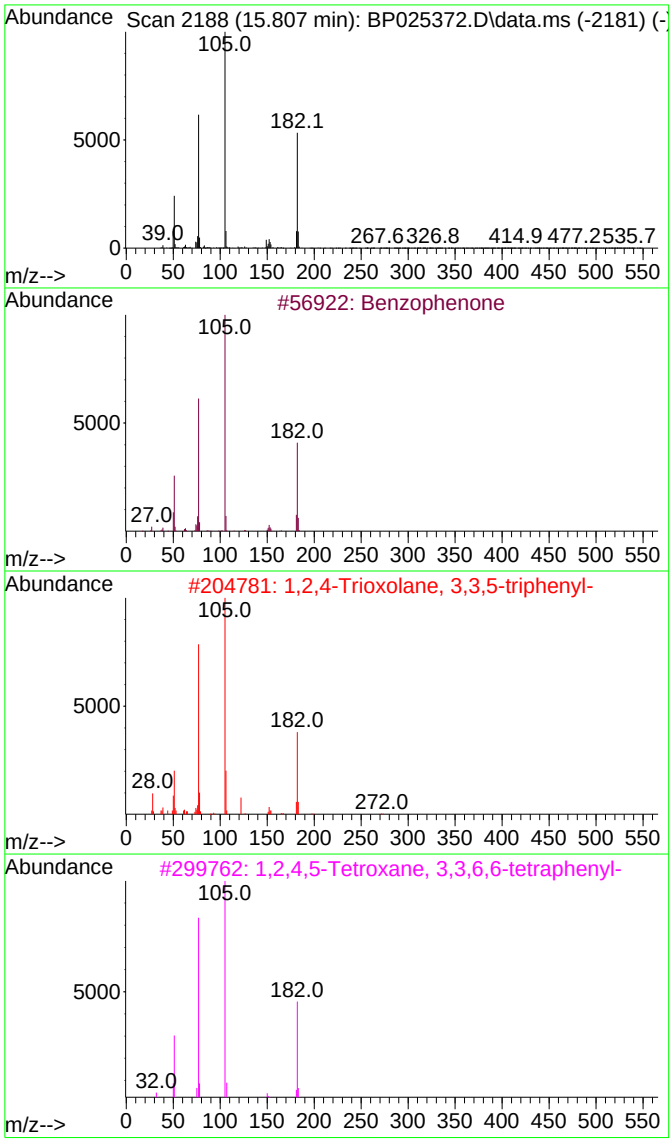
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

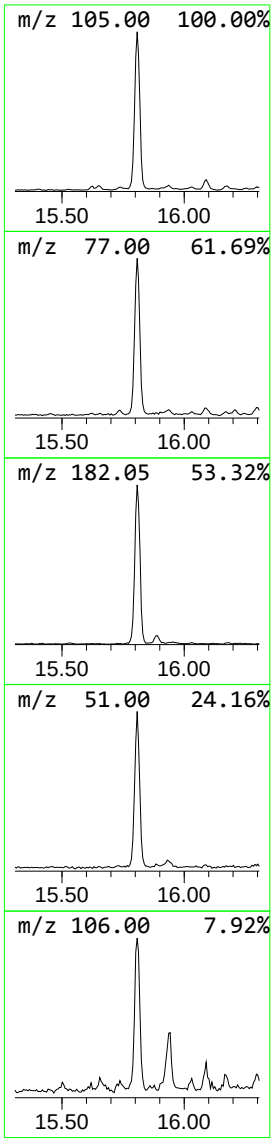
**********

Peak Number 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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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

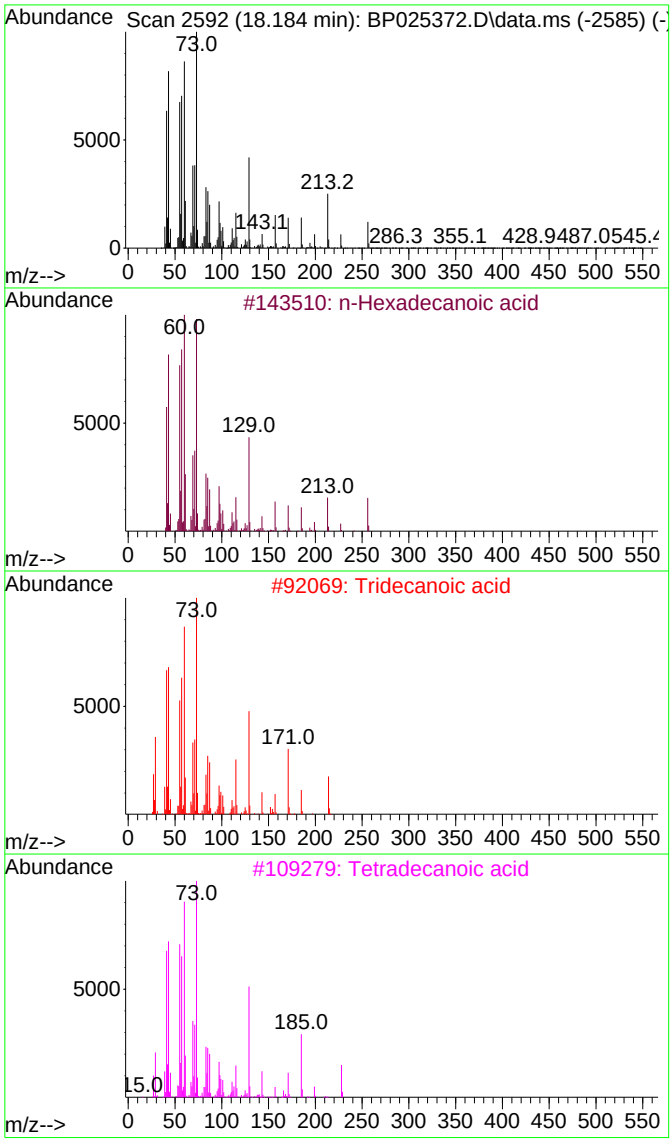
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

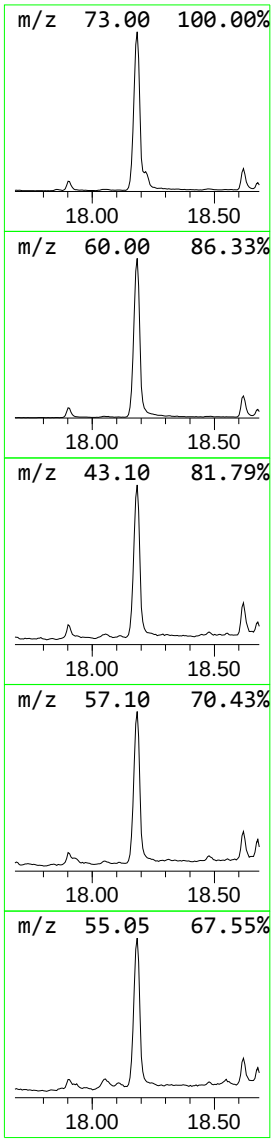
**********

Peak Number 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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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

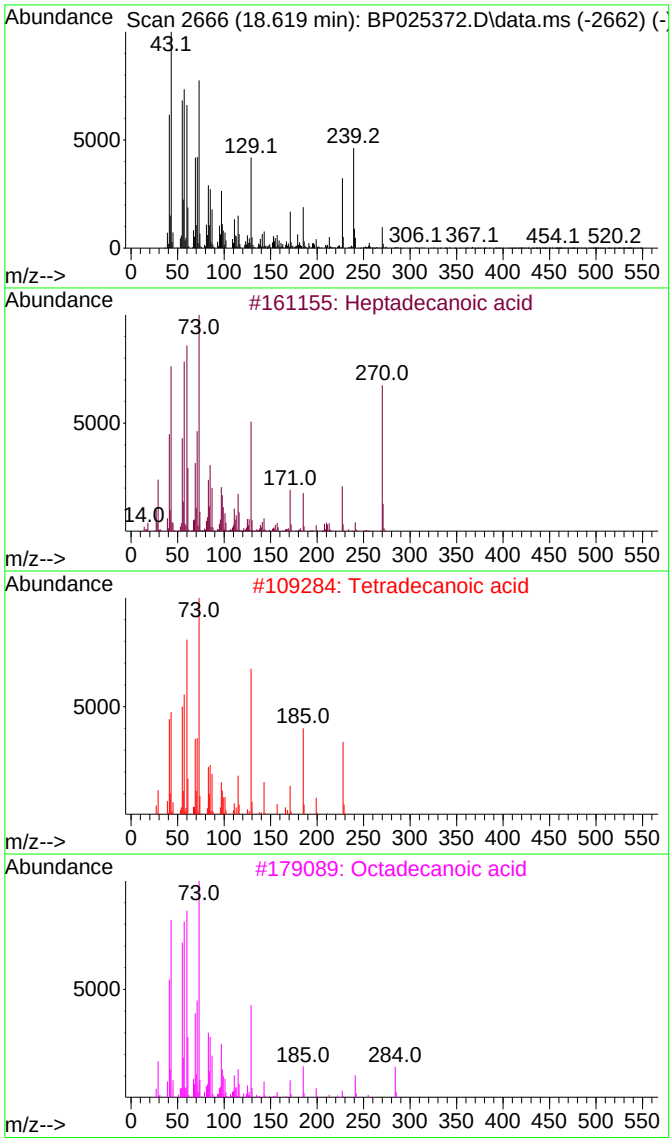
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

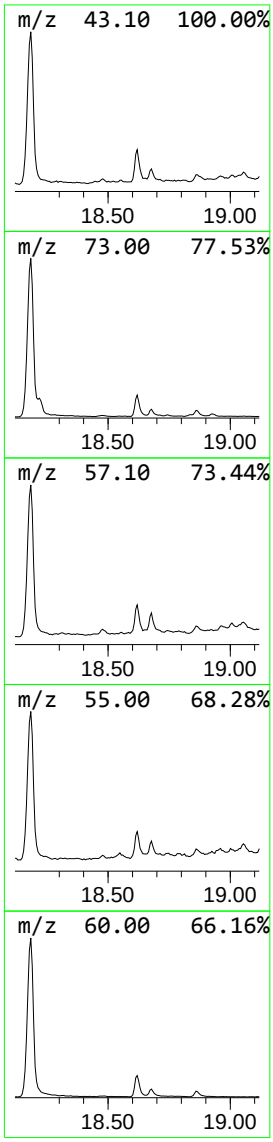
**********

Peak Number 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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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

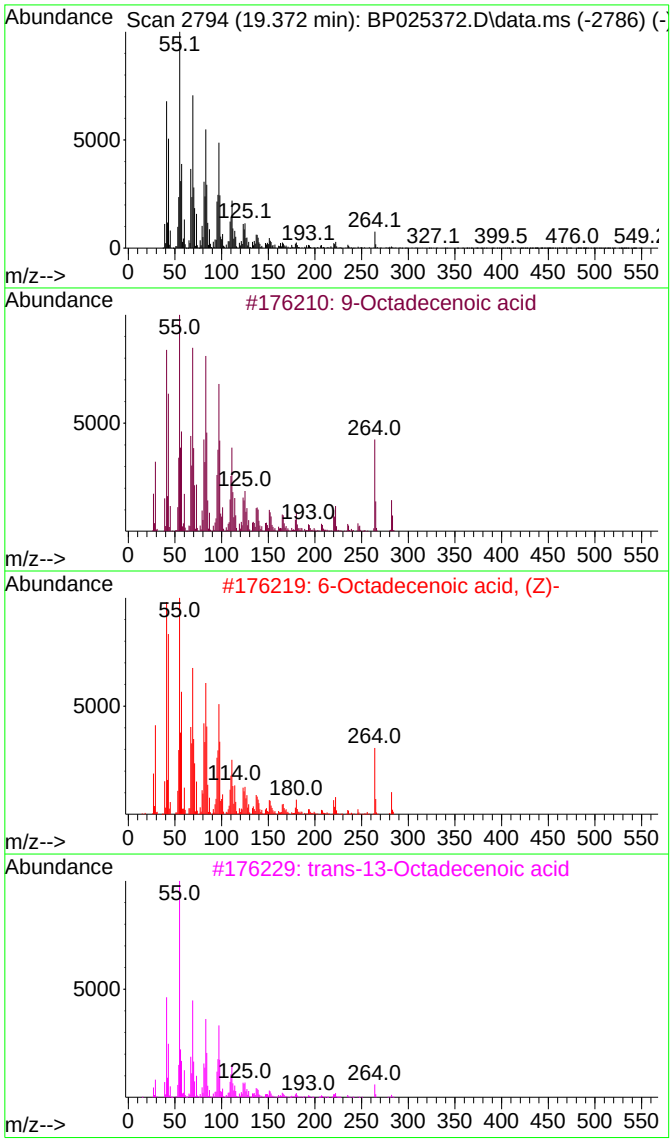
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

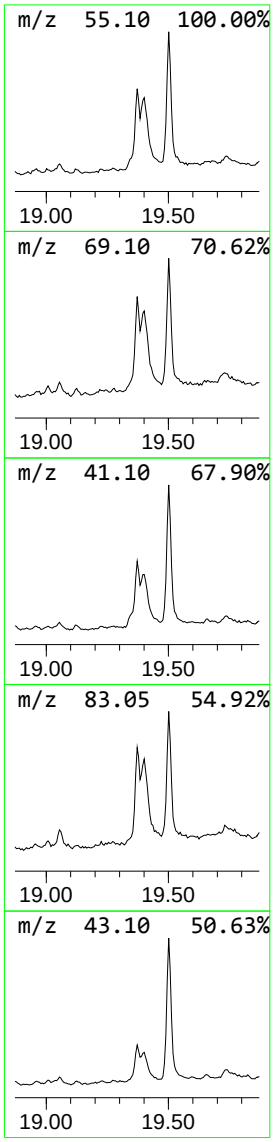
**********

Peak Number 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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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

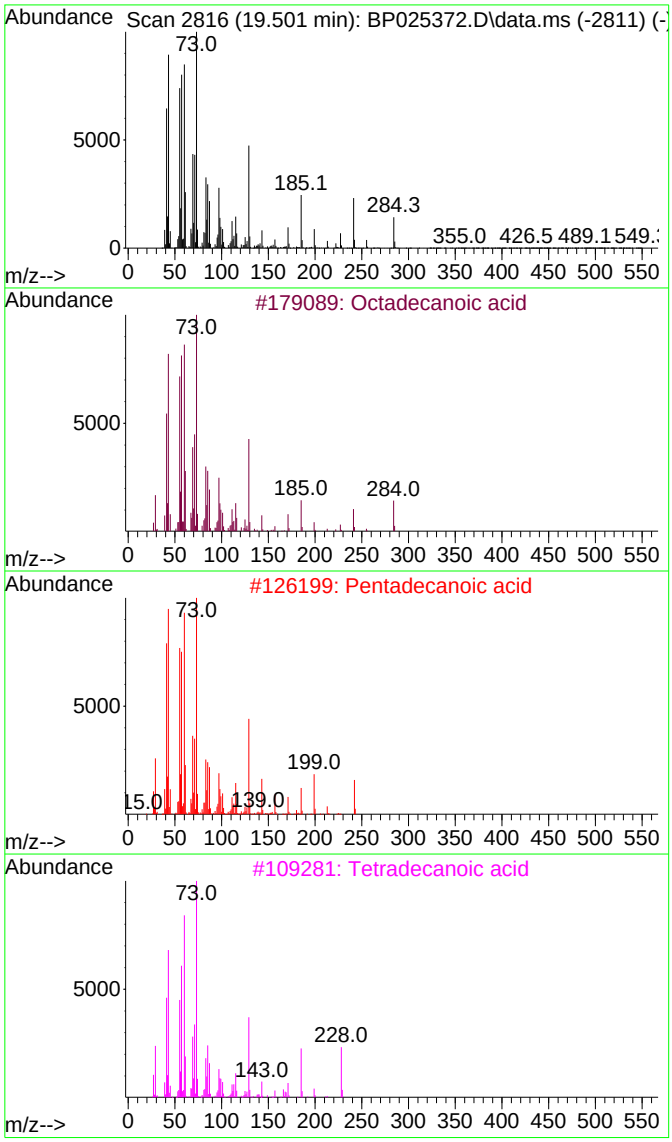
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

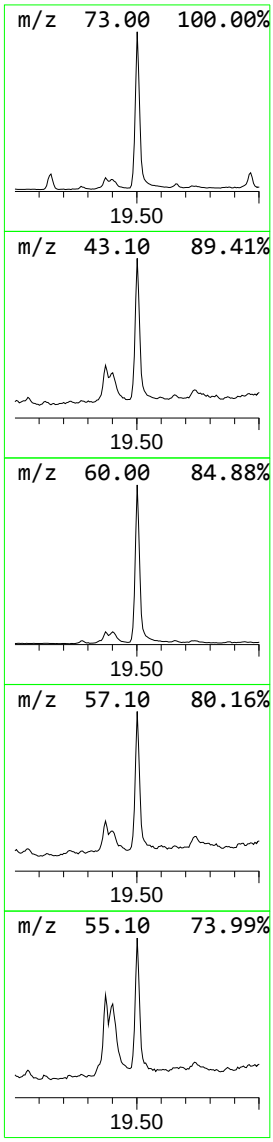
**********

Peak Number 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

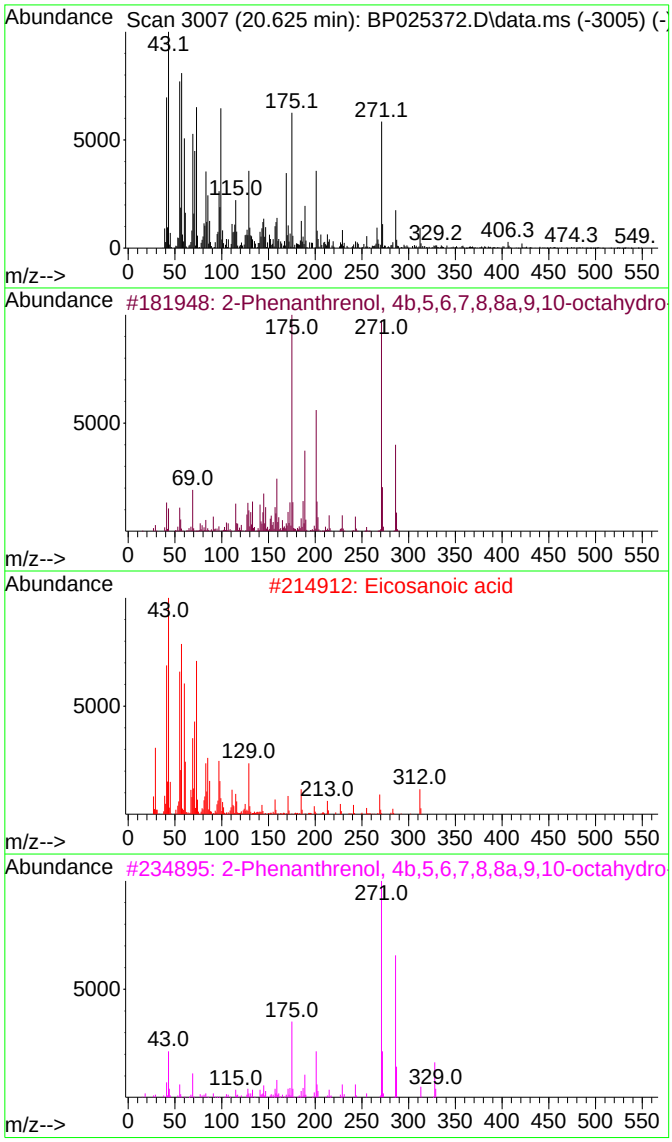
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

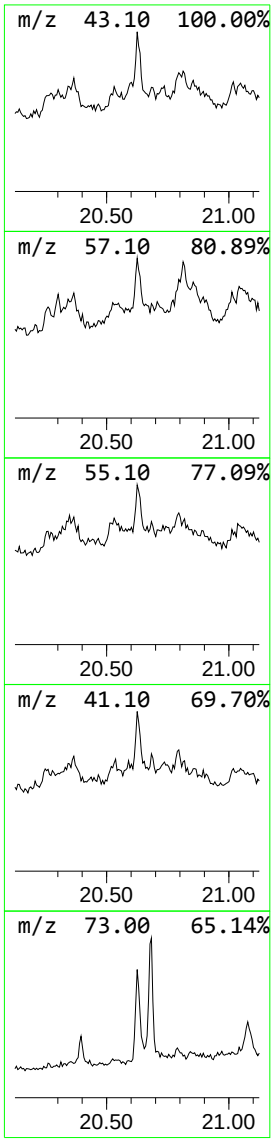
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
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 |



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

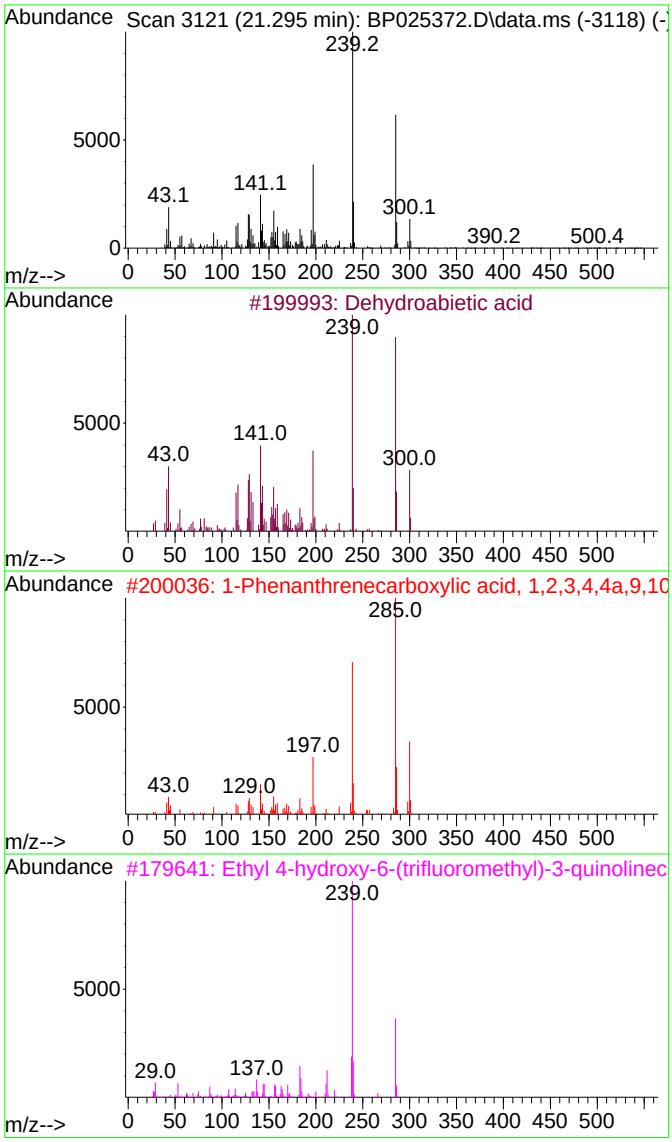
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

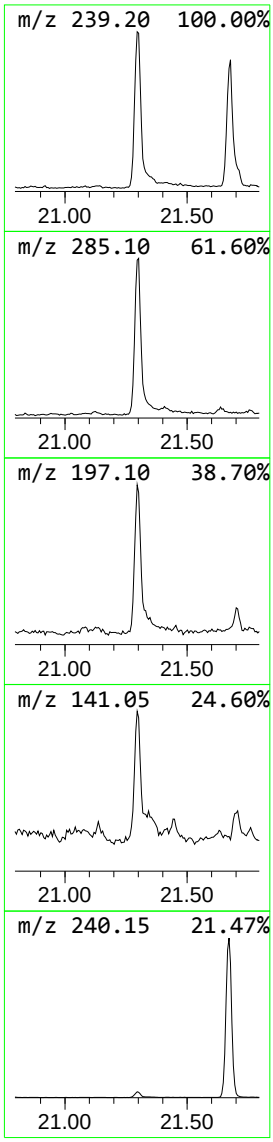
**********

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

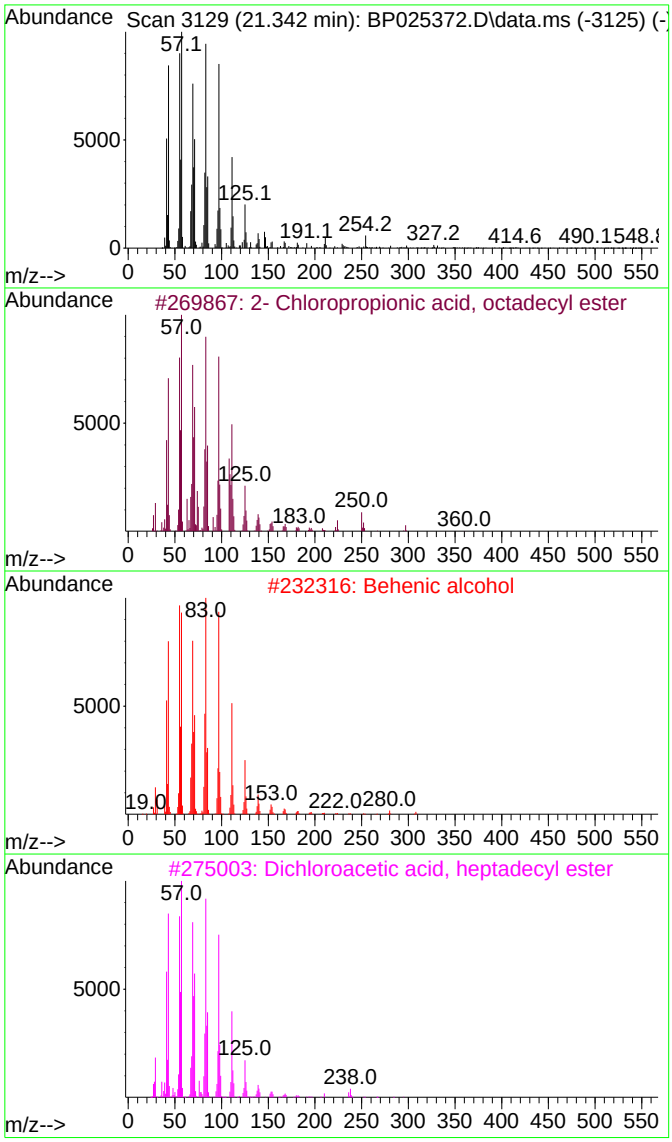
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

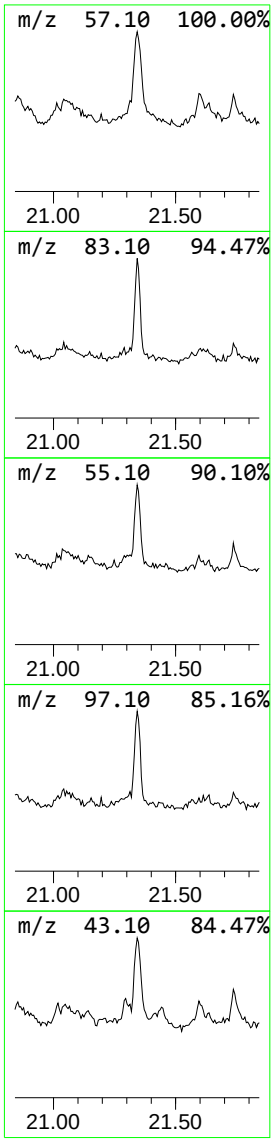
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
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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Data File : BP025372.D
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
```

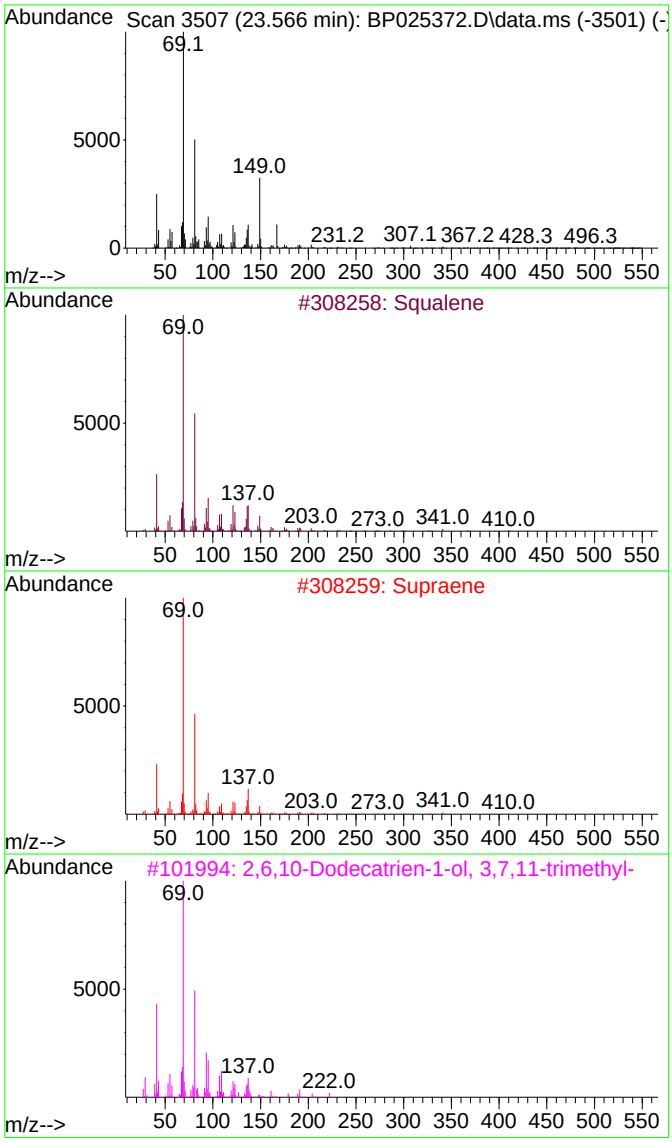
**Instrument :**
BNA_P
**ClientSampleId :**
B-3-5-2

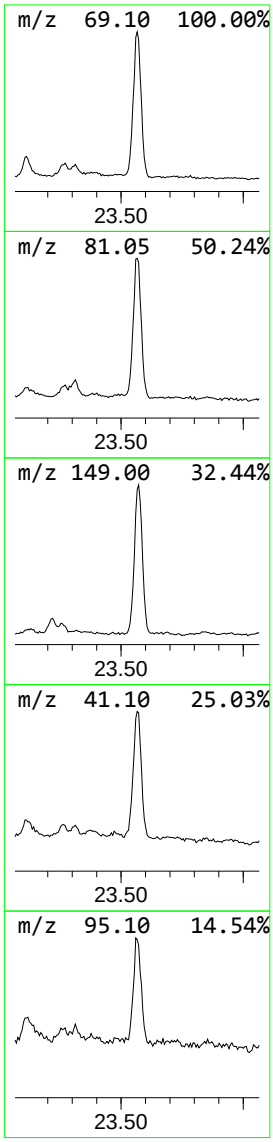
**********

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 |



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

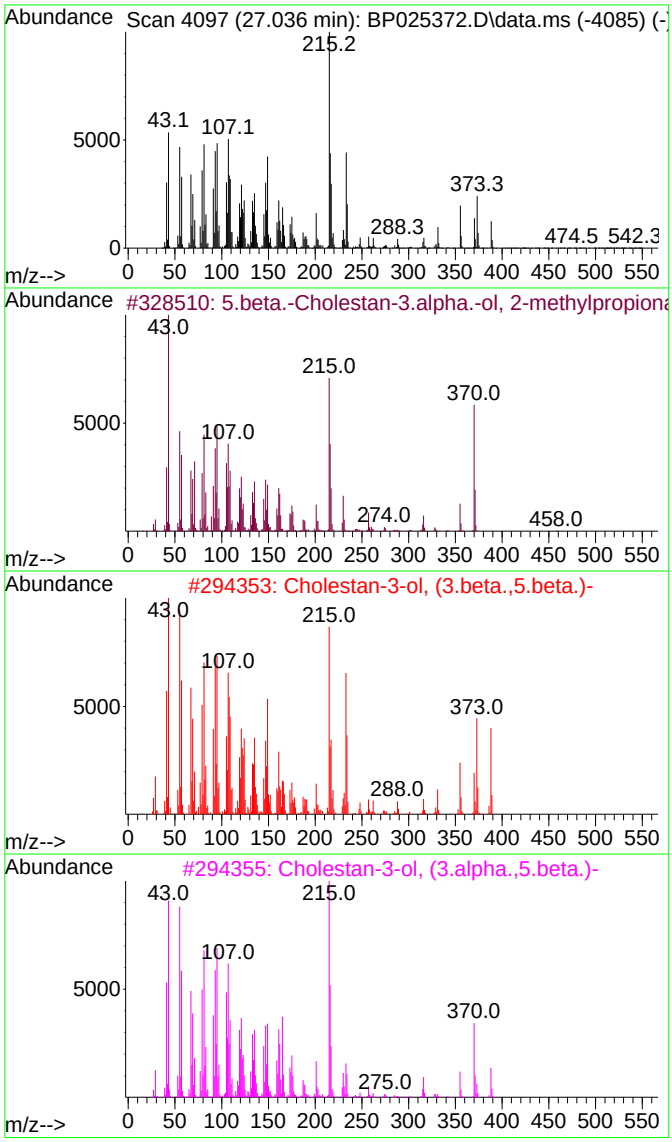
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

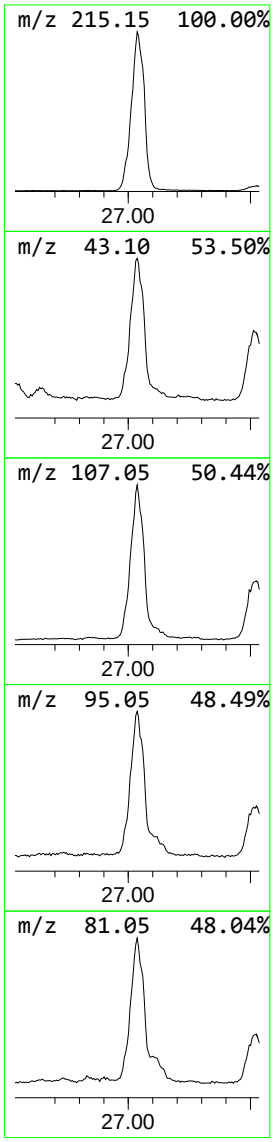
**********

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 |



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

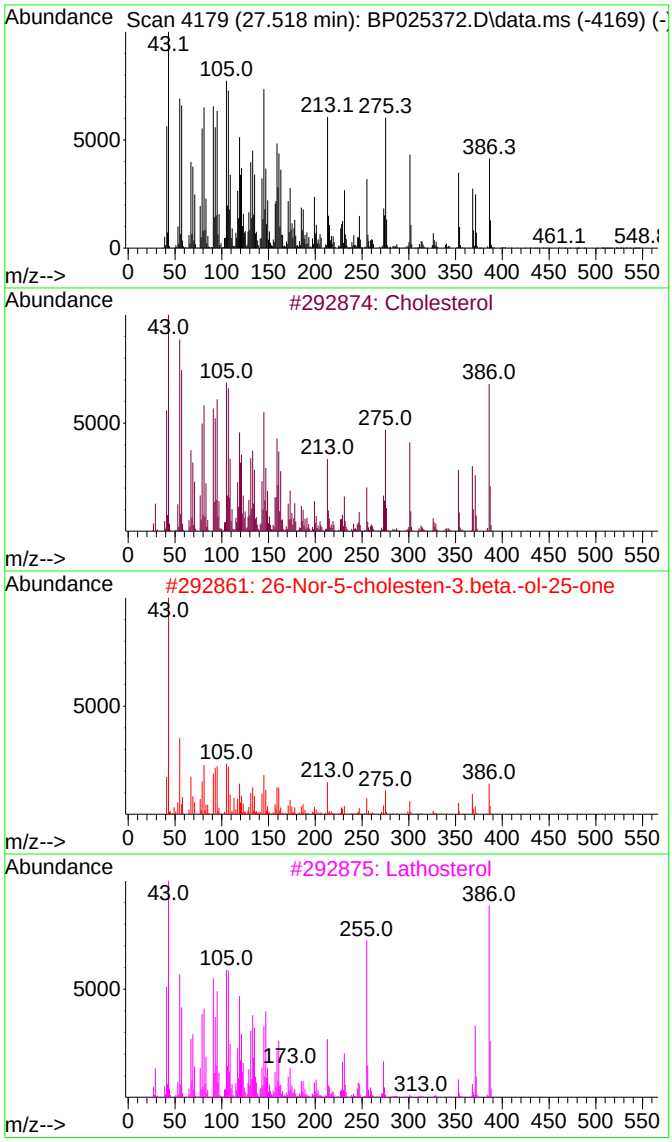
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

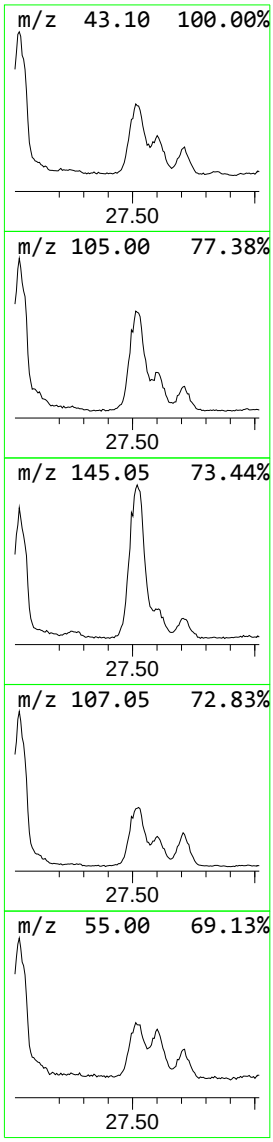
**********

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 |



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

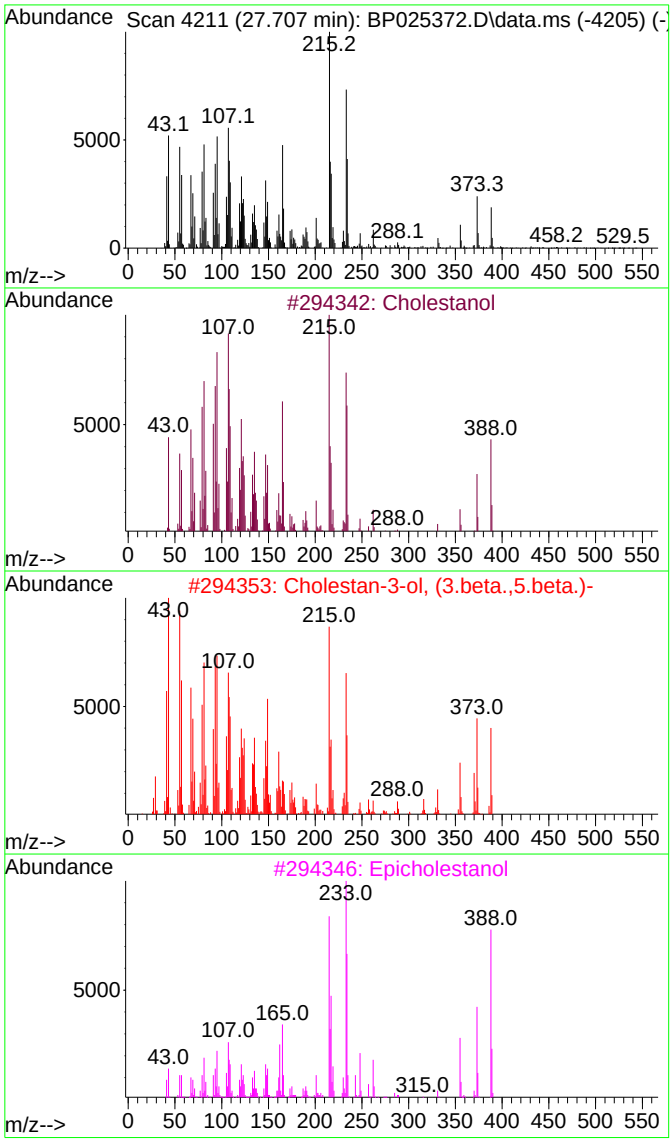
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

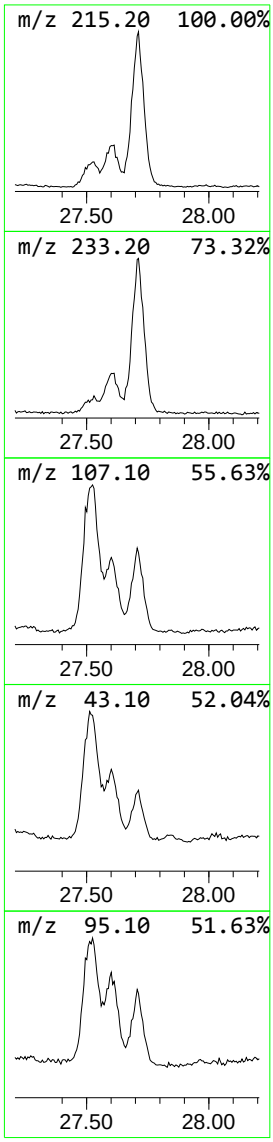
**********

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 |



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

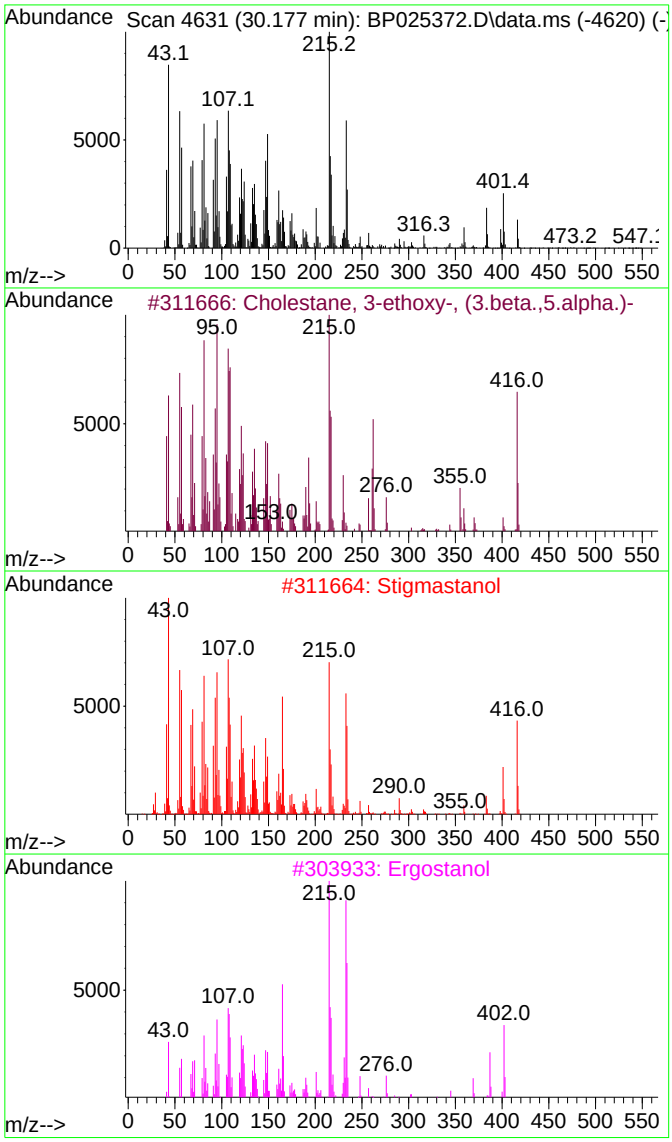
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

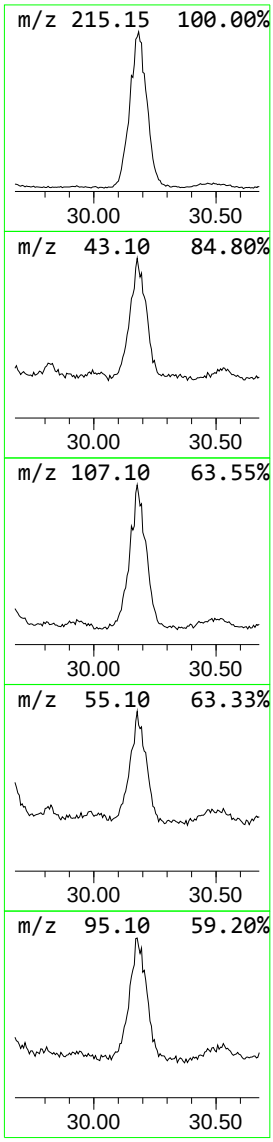
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
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 |



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

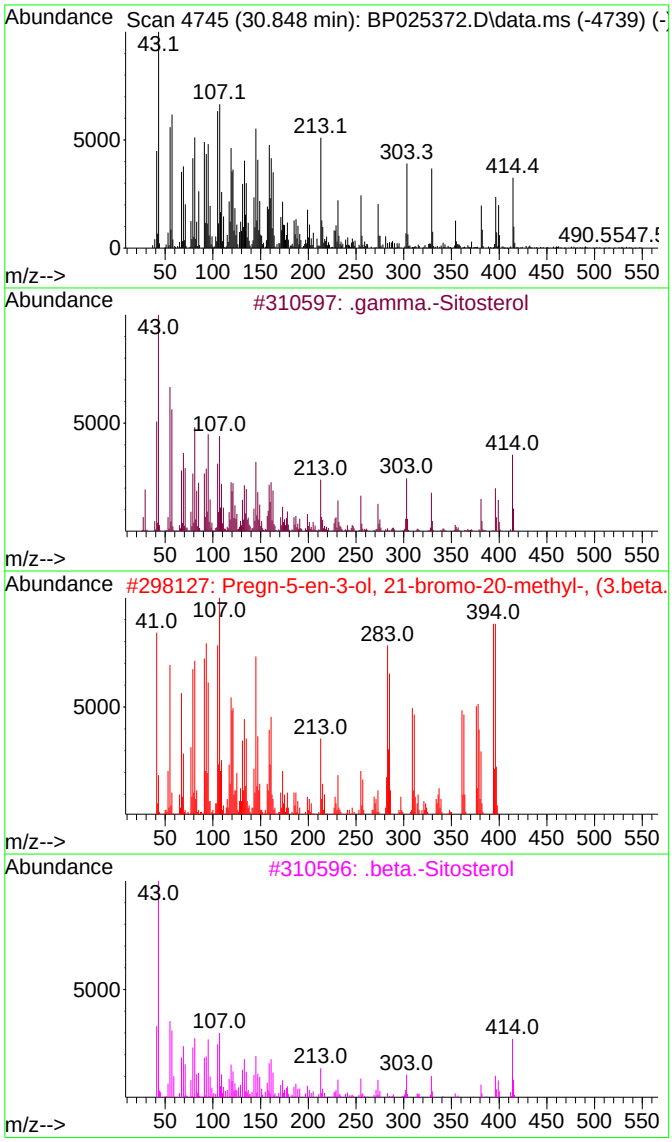
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

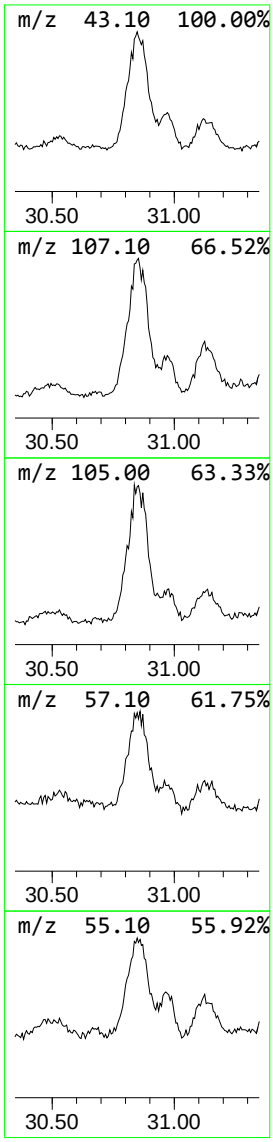
**********

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 |



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

| | | | | | --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

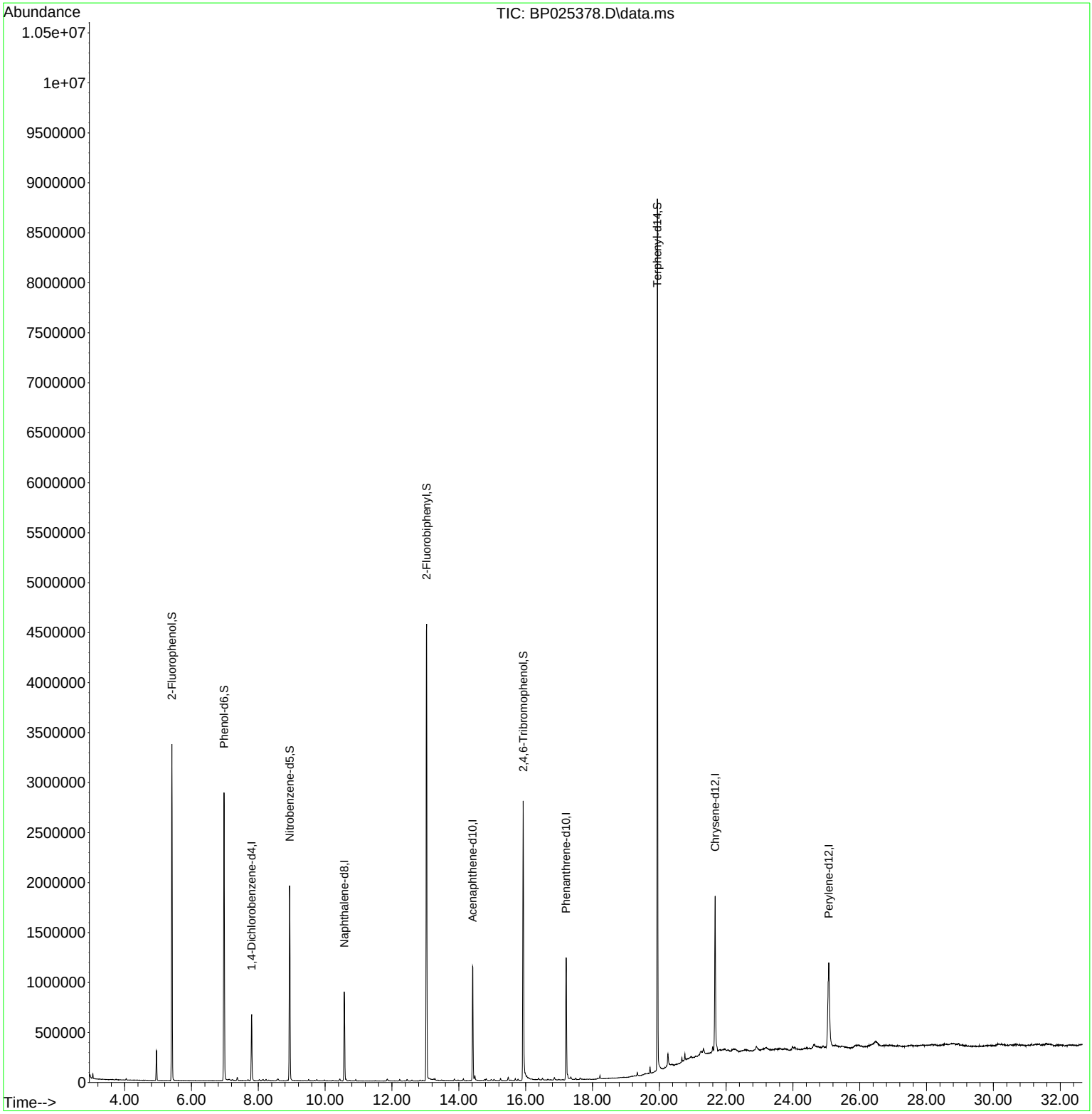
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.802 | 152 | 188983 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.572 | 136 | 717580 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.413 | 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 |

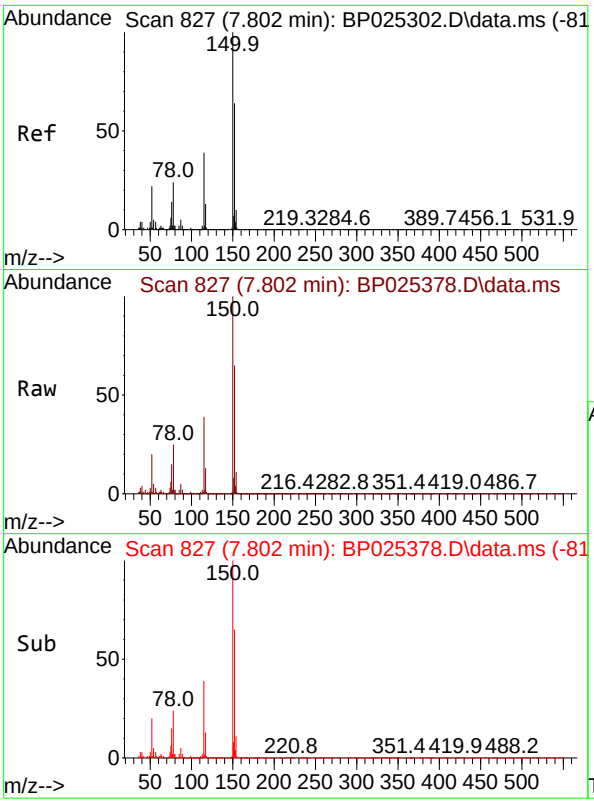
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



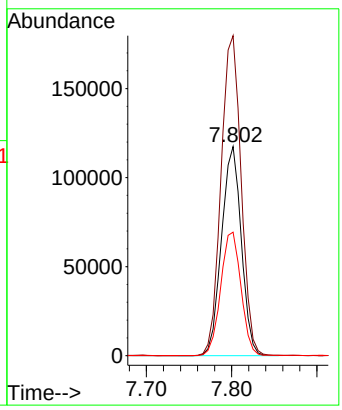


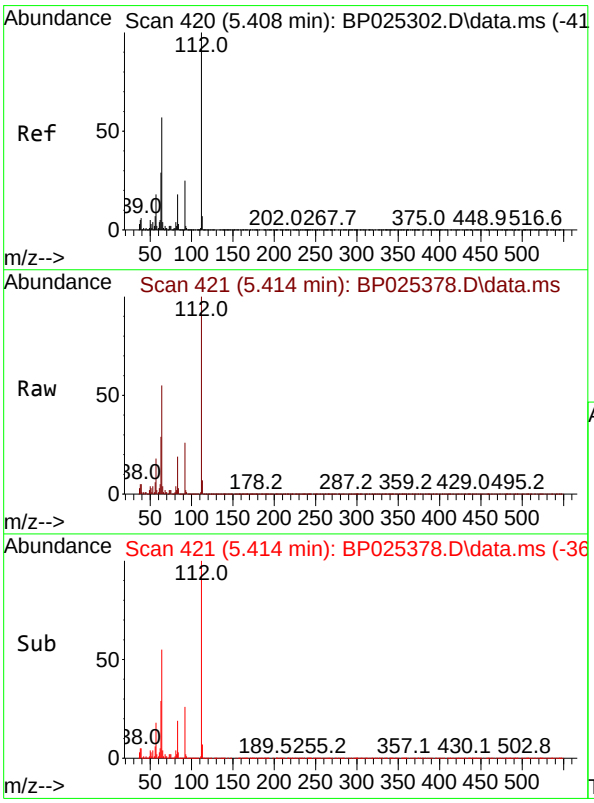

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

**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 |

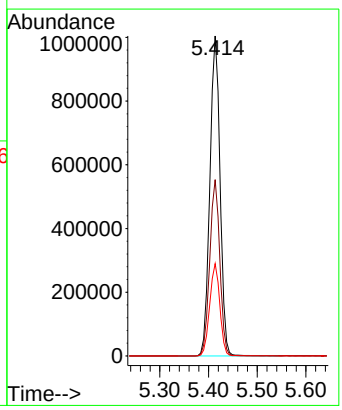


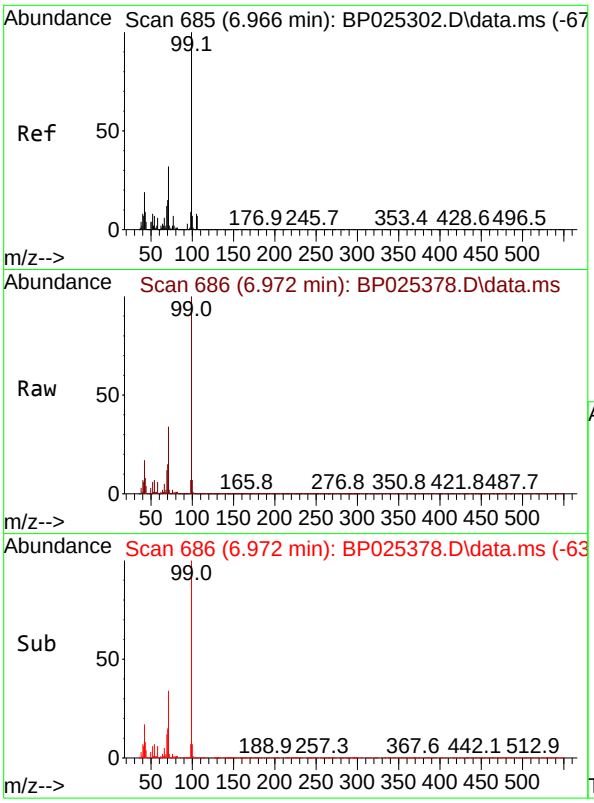




#5
2-Fluorophenol
Concen: 123.553 ng
RT: 5.414 min Scan# 421
Delta R.T. 0.006 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

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 |



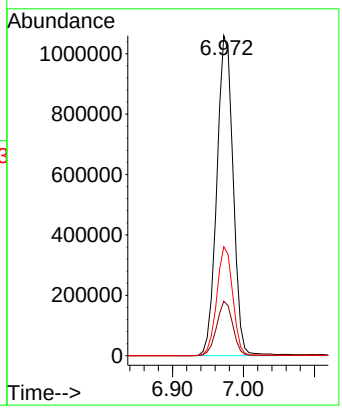


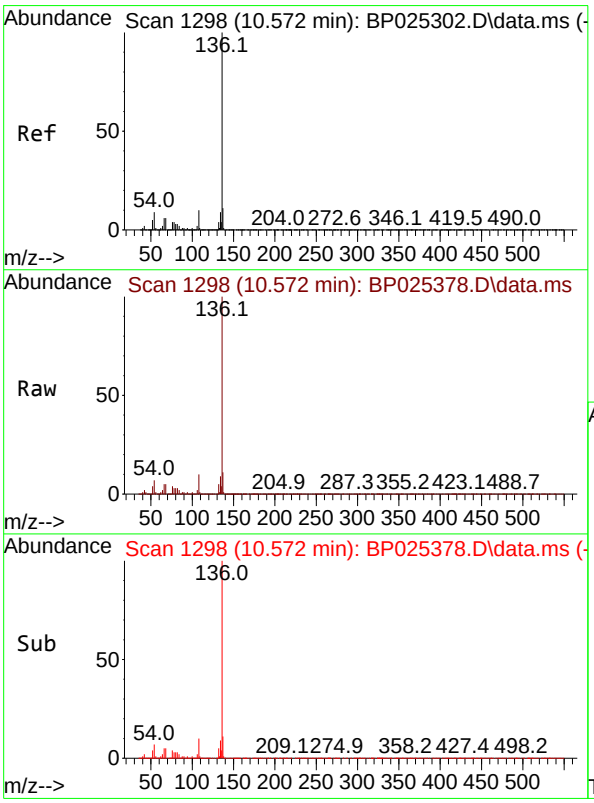

#7
Phenol-d6
Concen: 108.950 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

**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 |

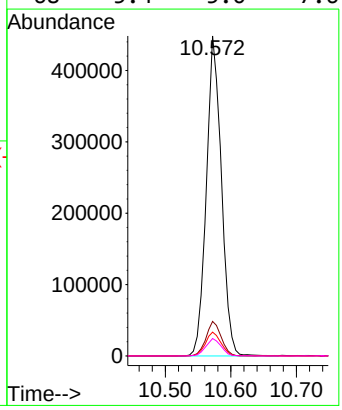


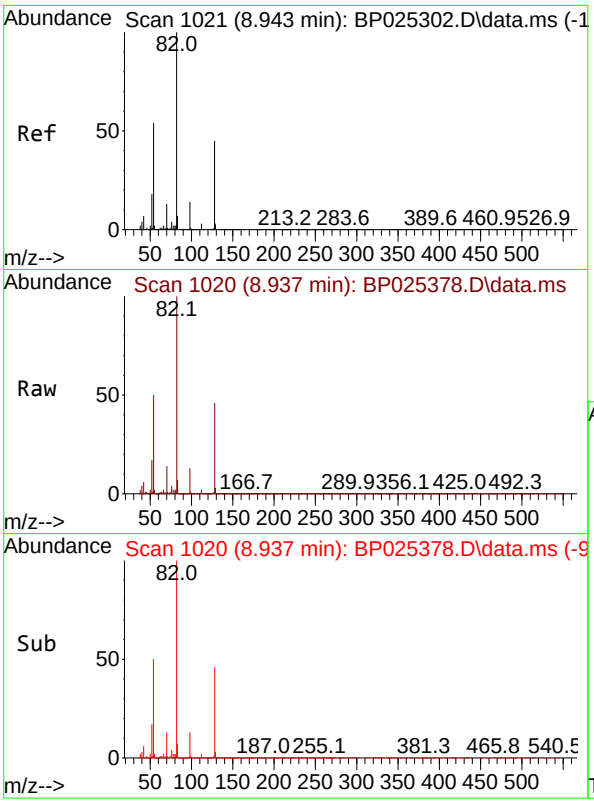




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

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 |



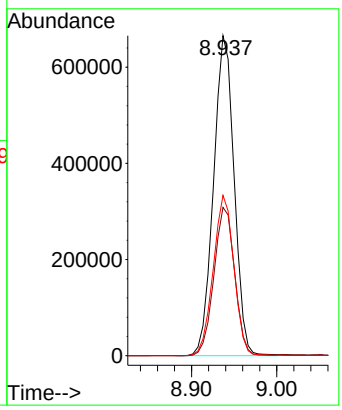


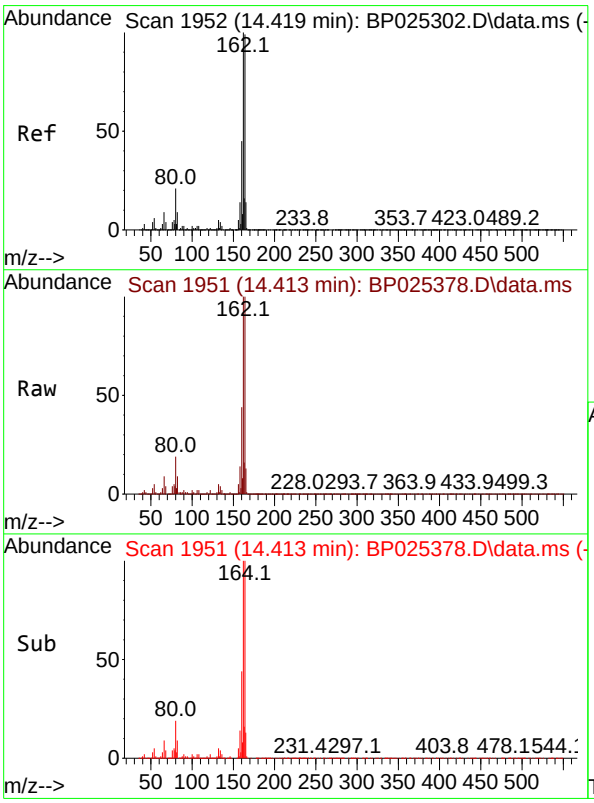

#23
Nitrobenzene-d5
Concen: 86.261 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

**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 |

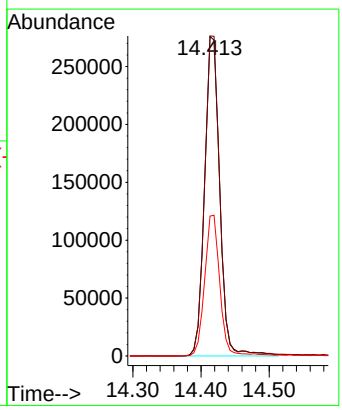


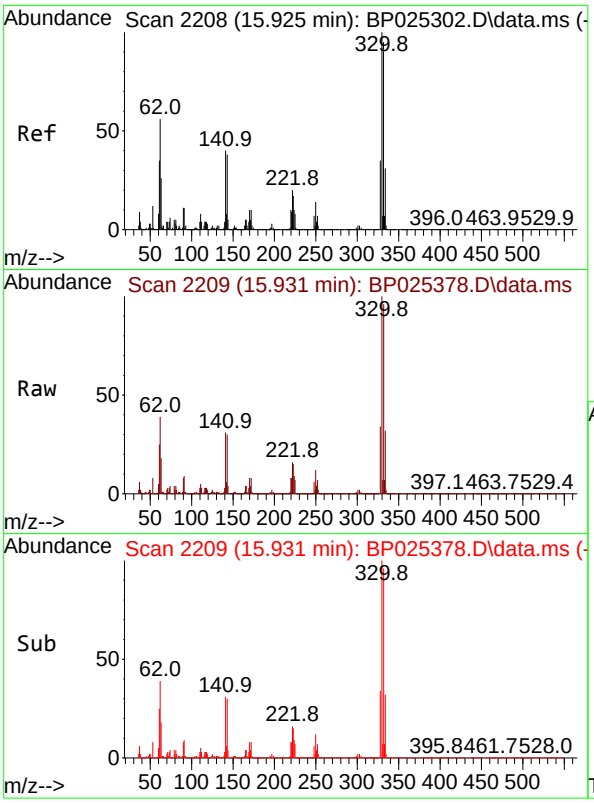




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

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 |



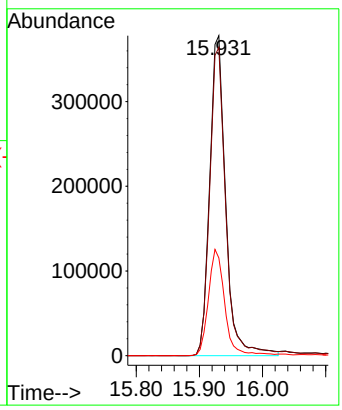


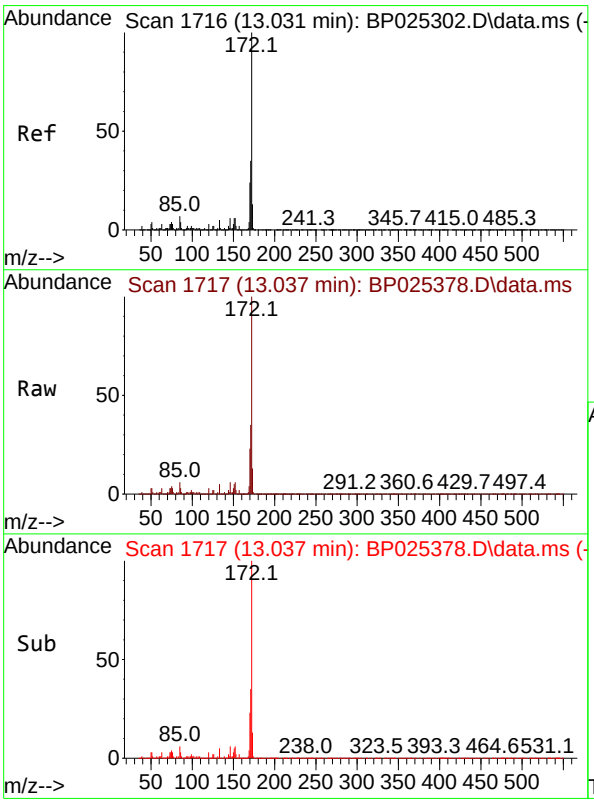

#42
2,4,6-Tribromophenol
Concen: 156.489 ng
RT: 15.931 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

**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 |

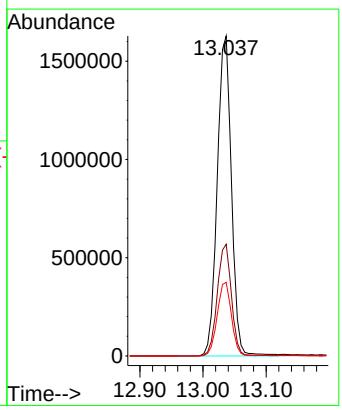


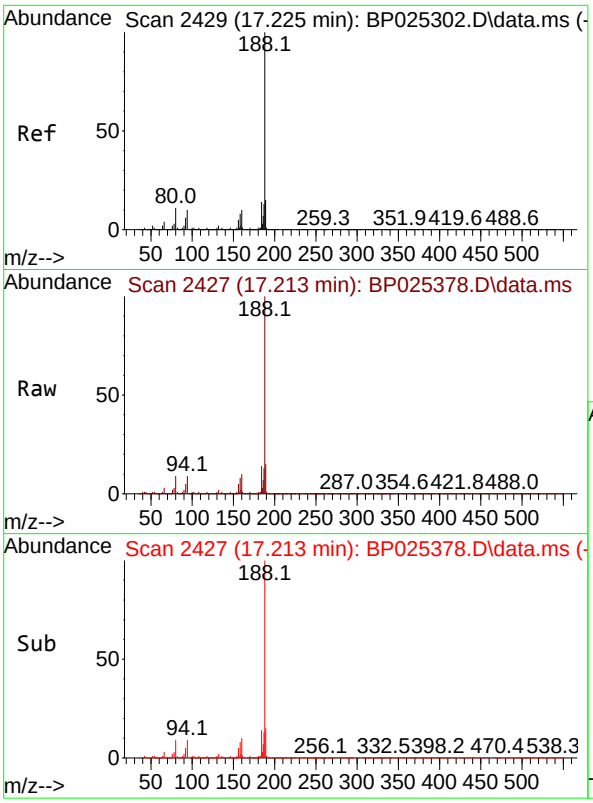




#45
2-Fluorobiphenyl
Concen: 82.218 ng
RT: 13.037 min Scan# 1717
Delta R.T. 0.006 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

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 |



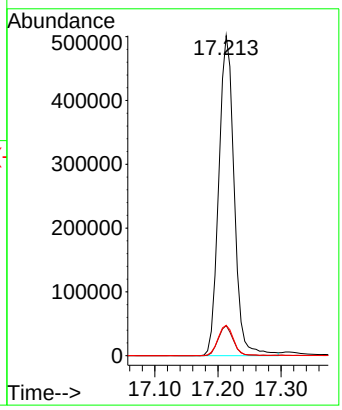


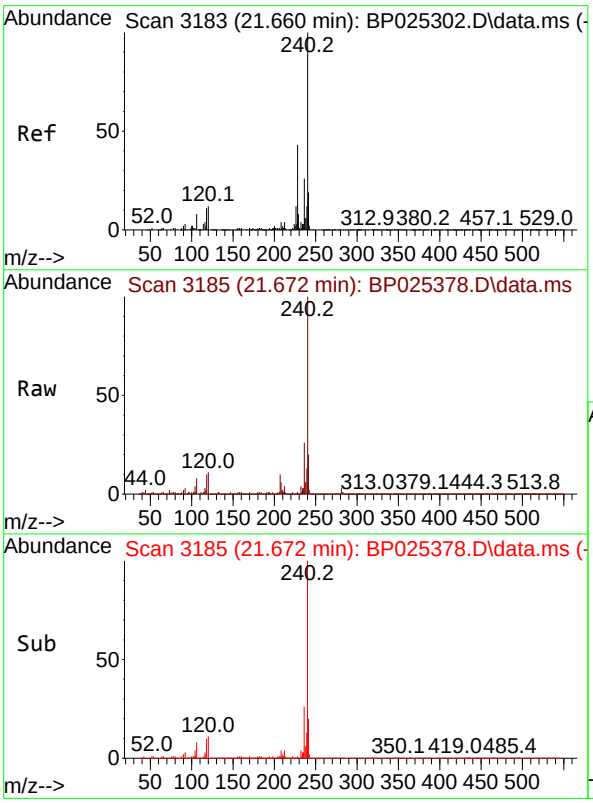

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

**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 |

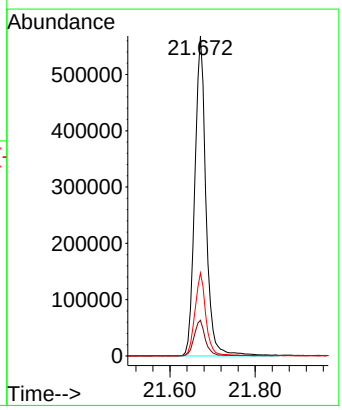


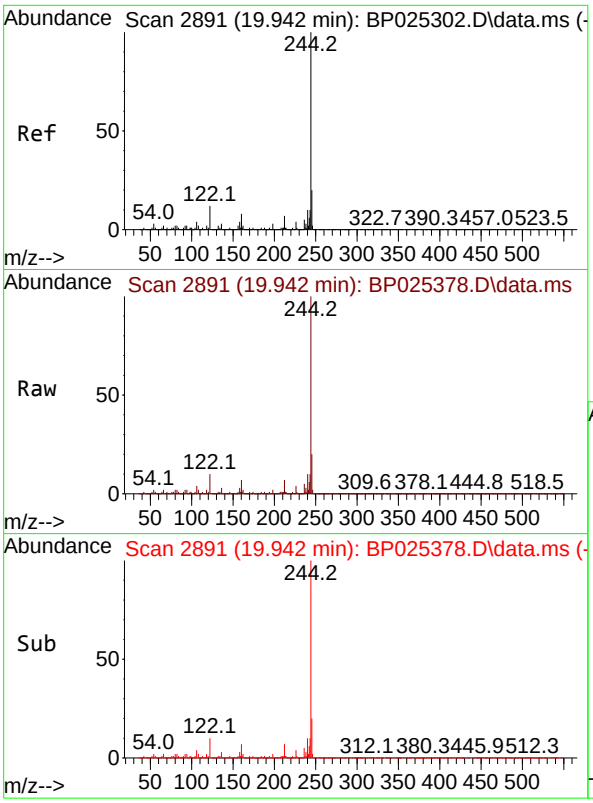




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.672 min Scan# 3185
Delta R.T. 0.012 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

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 |



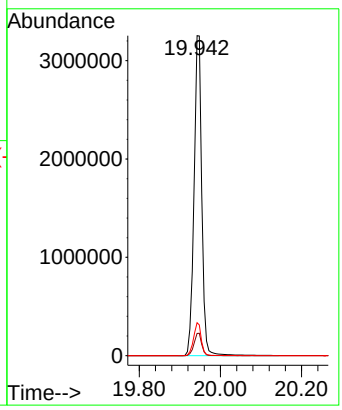


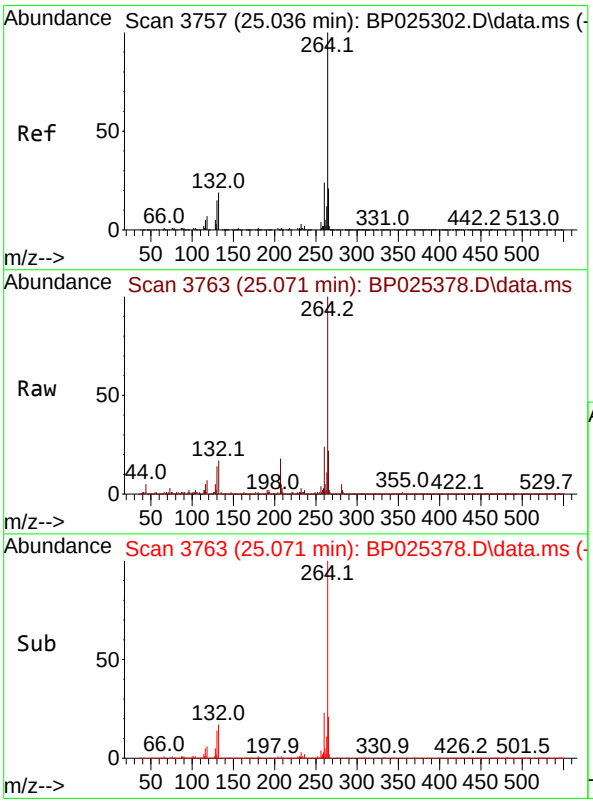

#79
Terphenyl-d14
Concen: 79.417 ng
RT: 19.942 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

**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 |

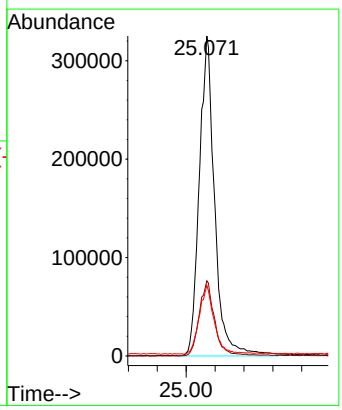



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.071 min Scan# 3763
Delta R.T. 0.035 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

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

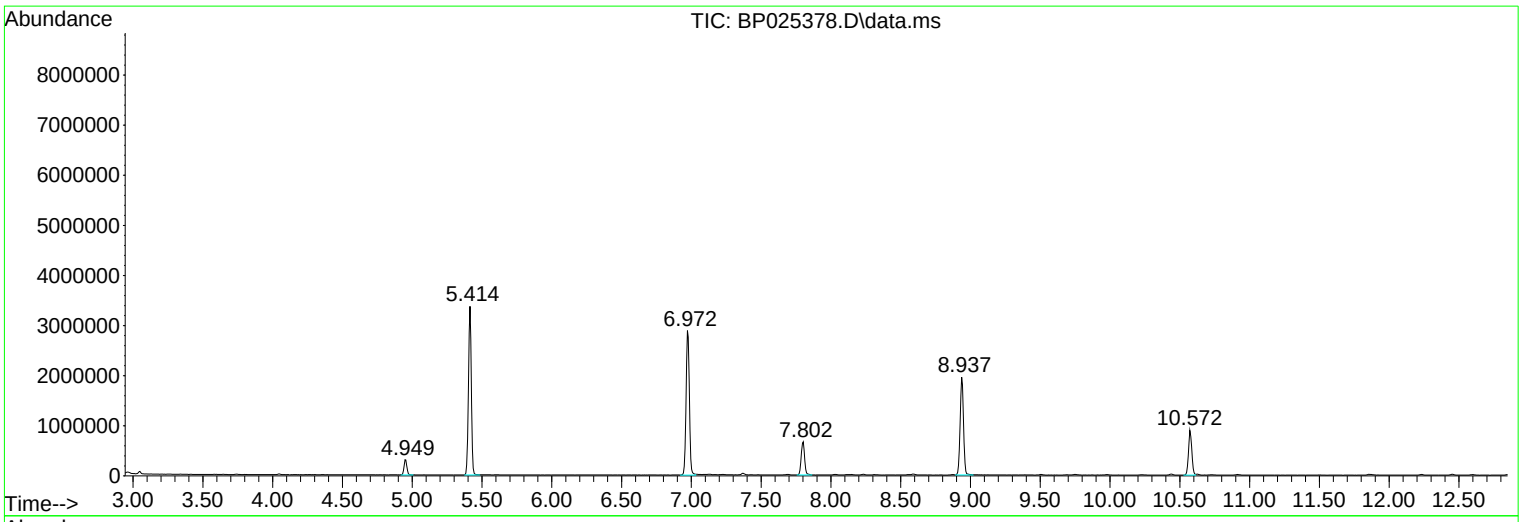
Sample Results: **BP025378.D**

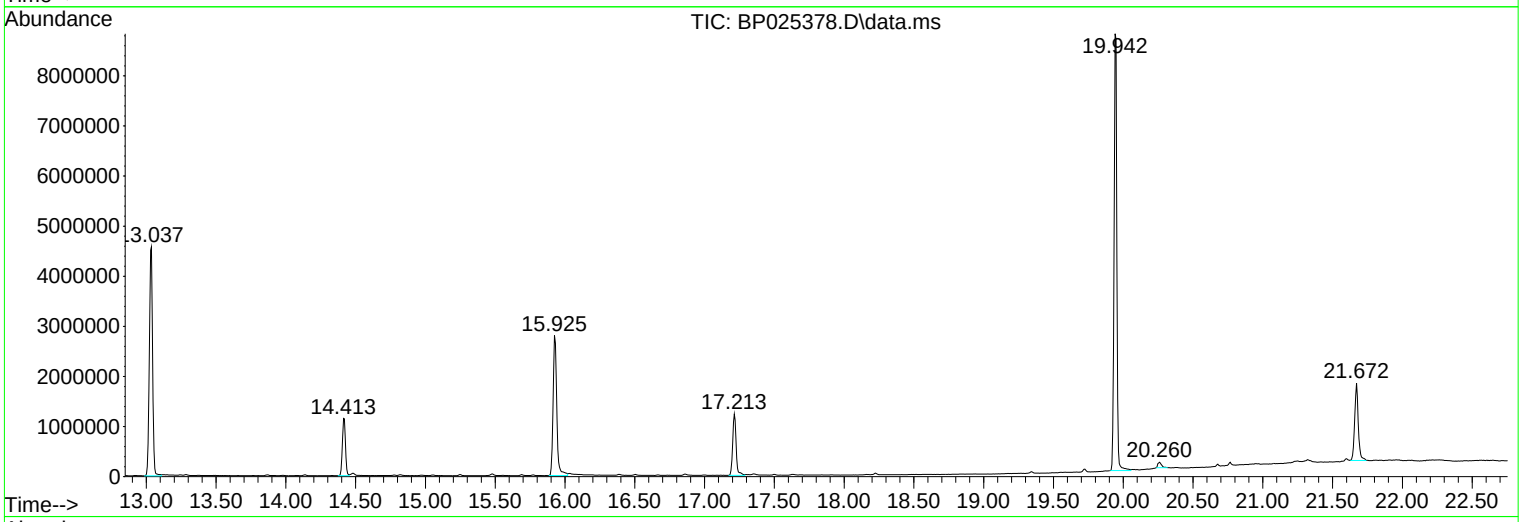
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025378.D
Acq On : 13 Aug 2025 10:32
Operator : CG/JU
Sample : PB169210BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

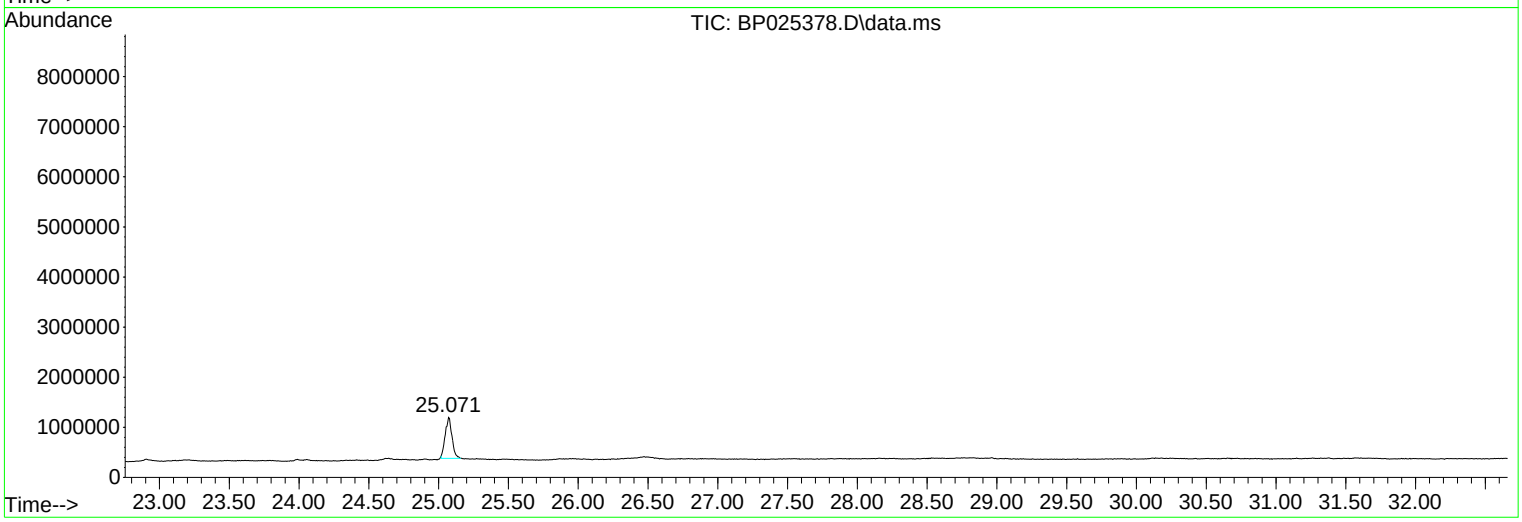
**Instrument :**
BNA_P
**ClientSampleId :**
PB169210BL

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

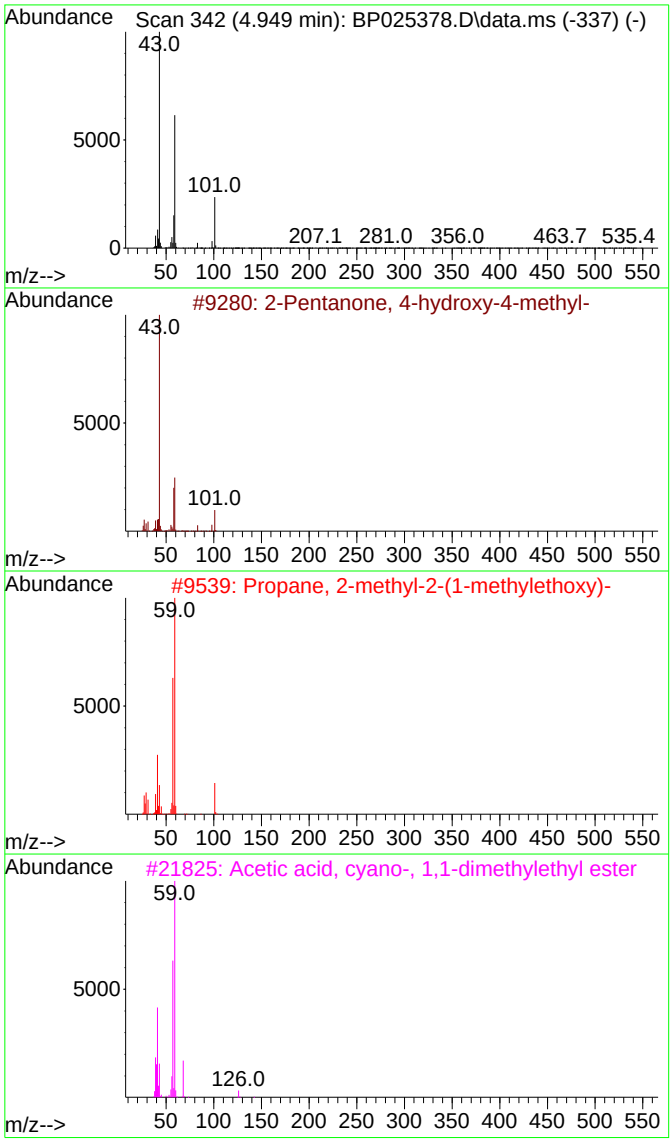
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

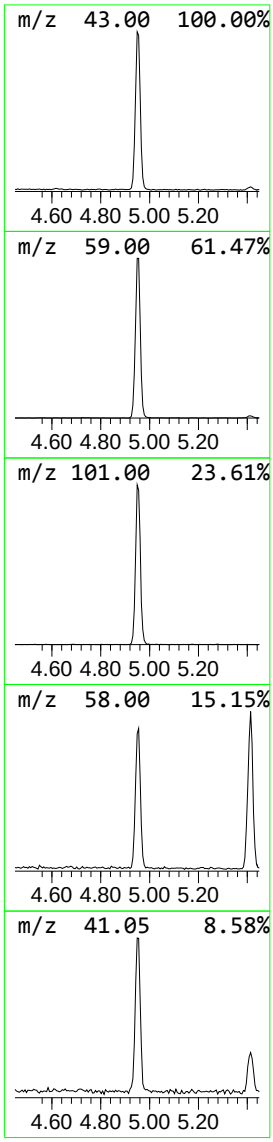
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
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

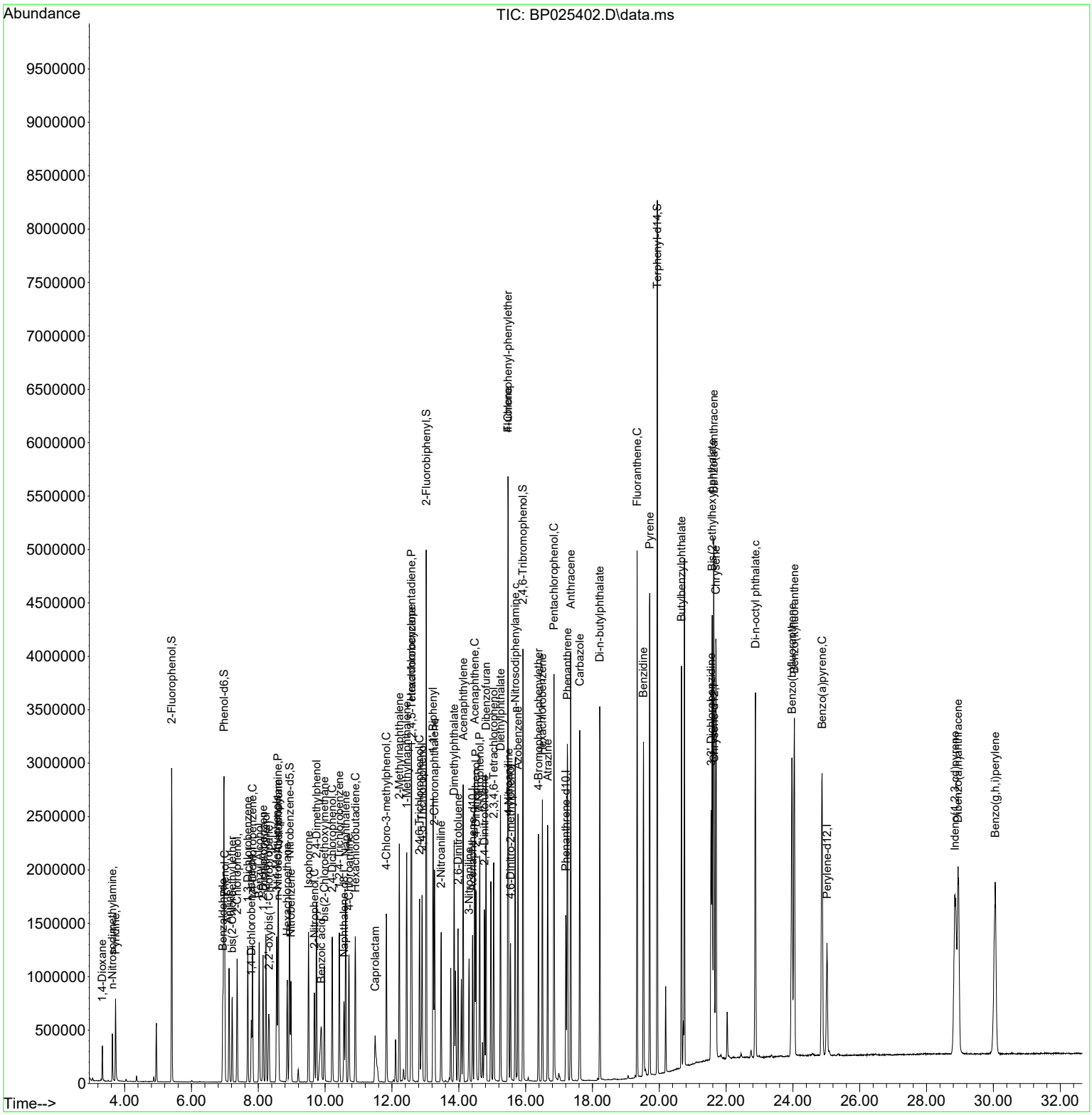
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025402.D
Acq On : 14 Aug 2025 20:10
Operator : CG/JU
Sample : PB169210BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

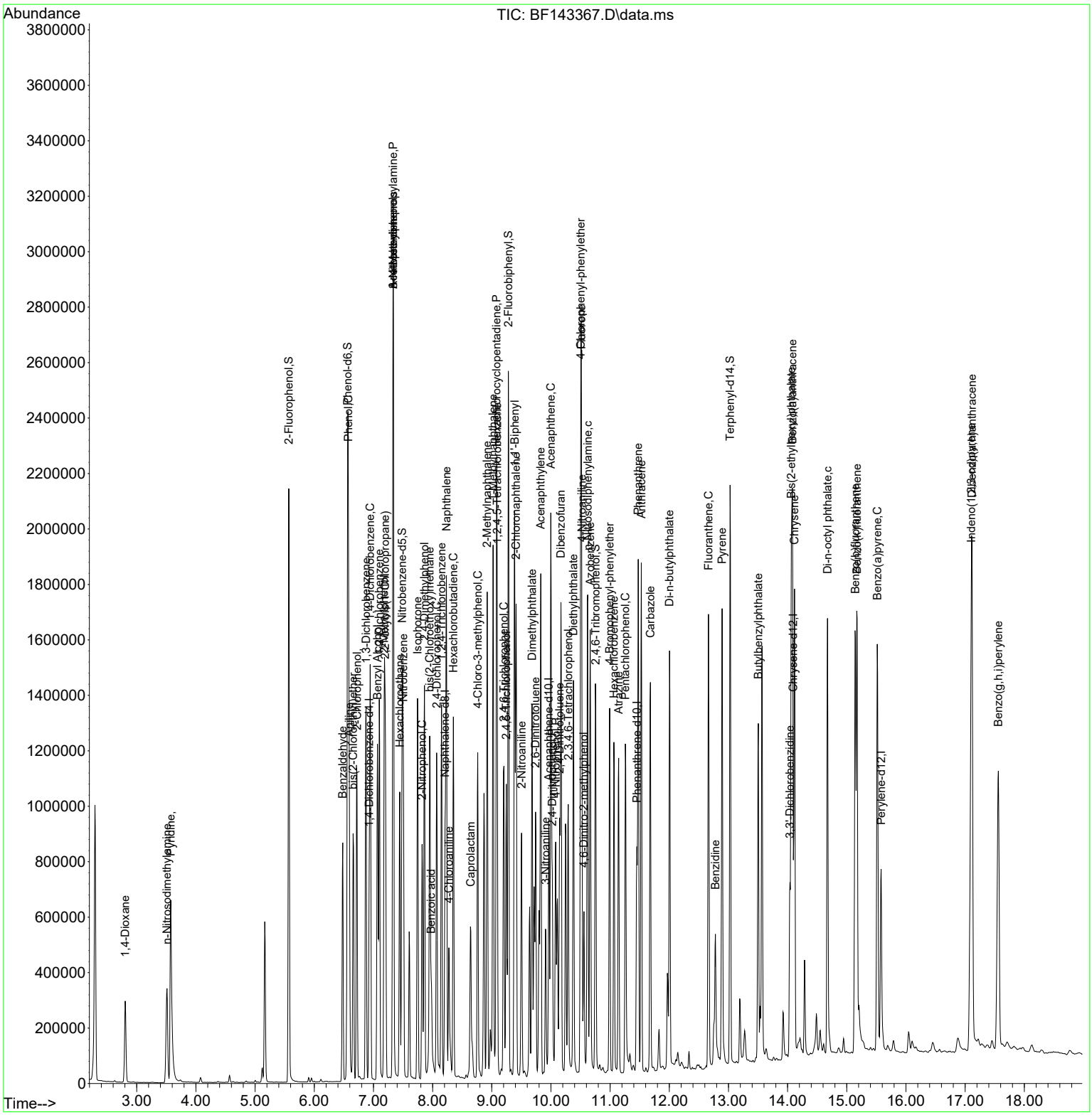
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143367.D
Acq On : 13 Aug 2025 11:12
Operator : RC/JU
Sample : Q2830-05MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

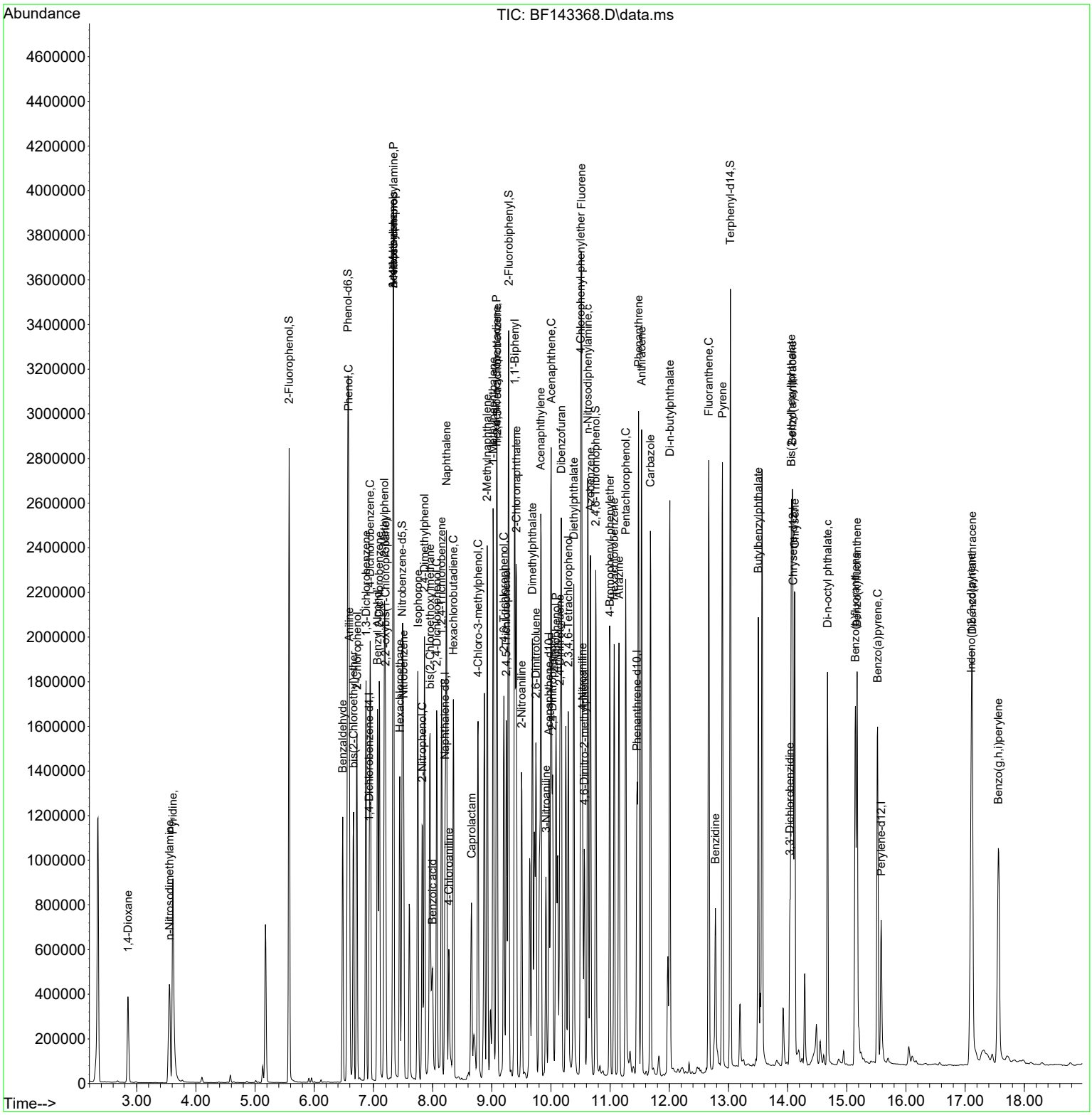
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143368.D
Acq On : 13 Aug 2025 11:42
Operator : RC/JU
Sample : Q2830-05MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

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



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# 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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**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

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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

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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 | 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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**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 |

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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 |

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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 |

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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 |

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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 |

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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 |

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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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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: | 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

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



# 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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# 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
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC 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: | 08/12/25 |
| 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:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the 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: | 08/12/25 |
| 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
P = Indicates >25% difference for detected concentrations between the 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: | 08/14/25 |
| 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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Fax : 908 789 8922



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

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

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



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | 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
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the 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: | |
| 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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Fax : 908 789 8922



# 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
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

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

# CALIBRATION SUMMARY

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## RETENTION TIMES OF INITIAL CALIBRATION

**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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Fax : 908 789 8922



## 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 |

Alliance TECHNICAL GROUP
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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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Fax : 908 789 8922



## 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.

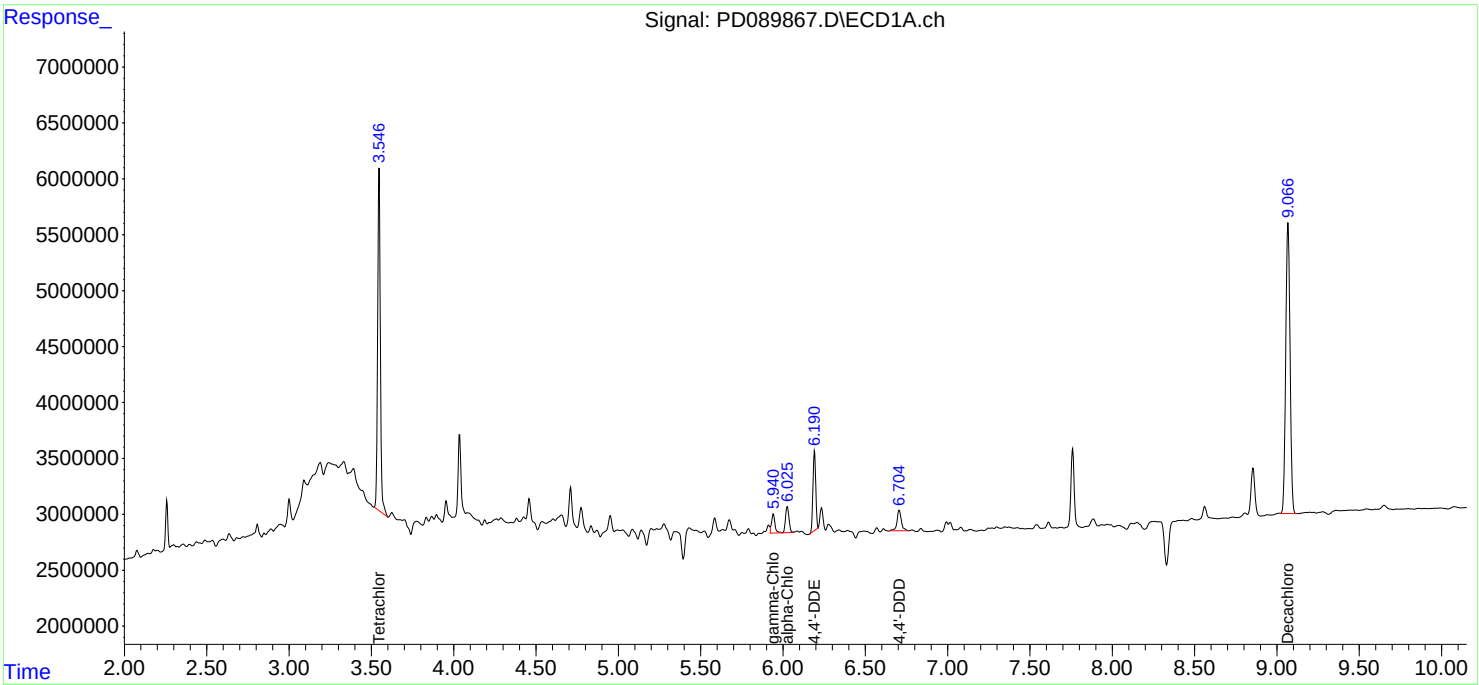
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089867.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 17:00
Operator : AR\AJ
Sample : Q2818-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

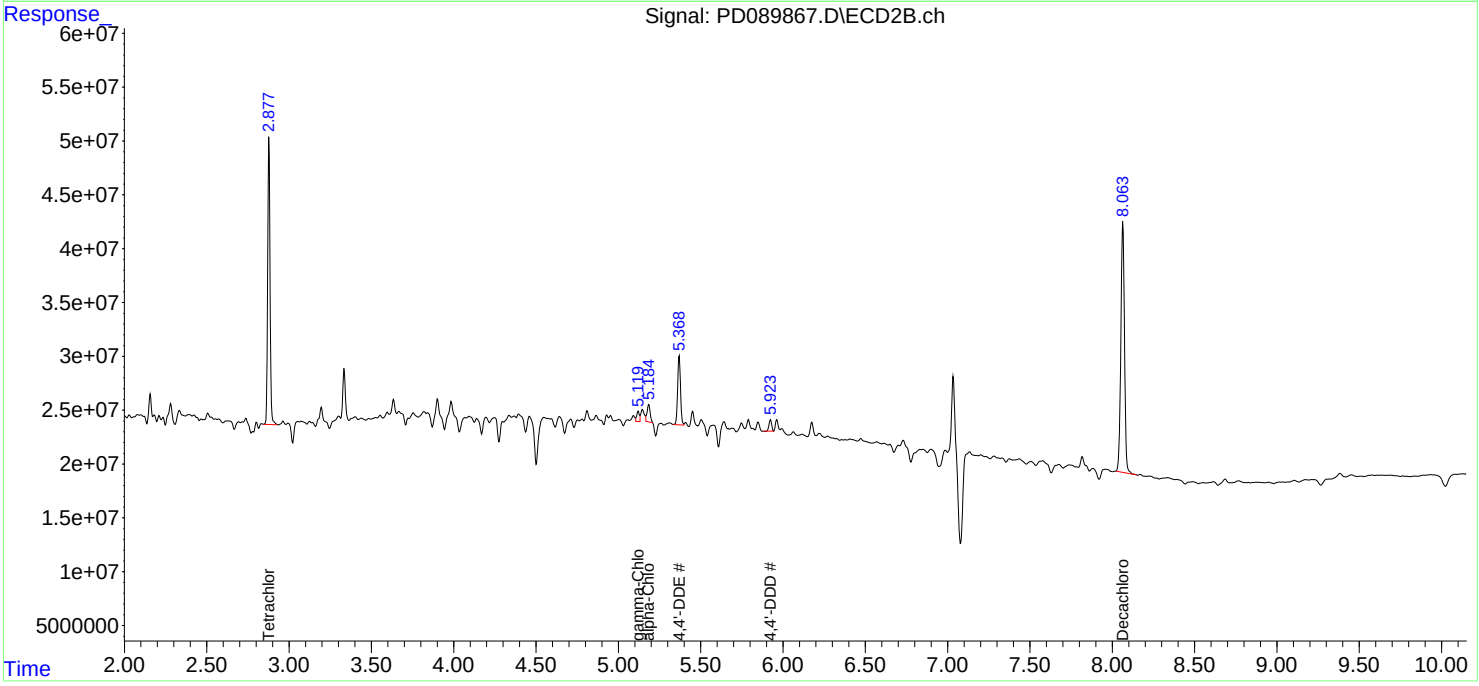
**Instrument :**
ECD_D
**ClientSampleId :**
B-2-5-1

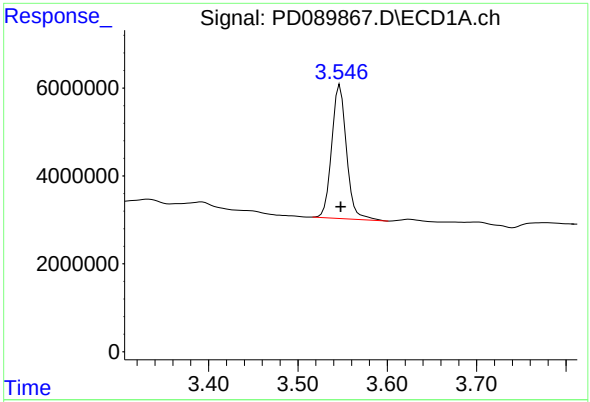
**Manual Integrations APPROVED**
Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025

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





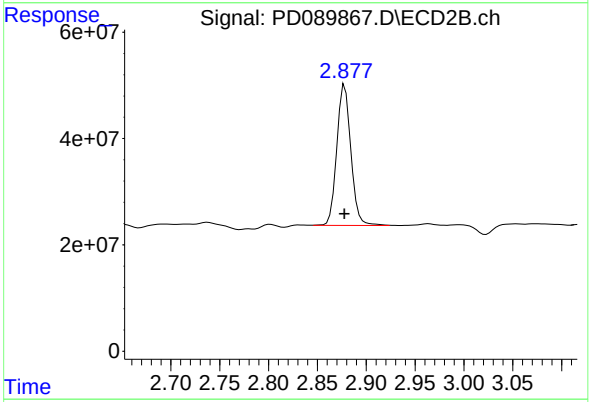

#1 Tetrachloro-m-xylene

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

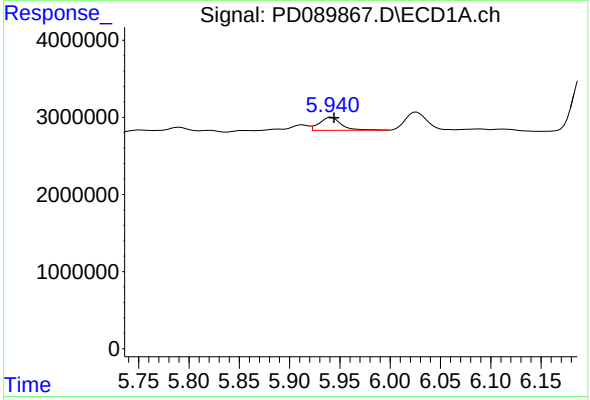
**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



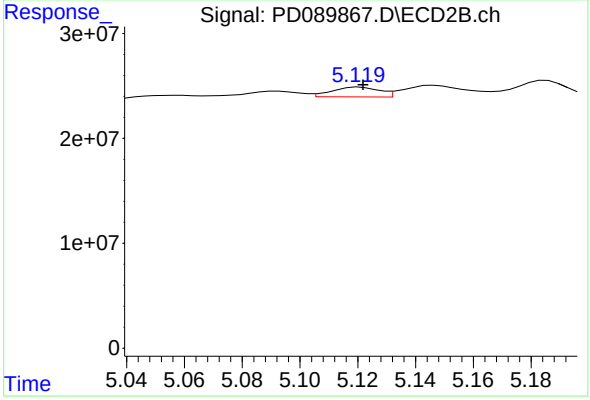

#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 265738866
Conc: 16.78 ng/ml m



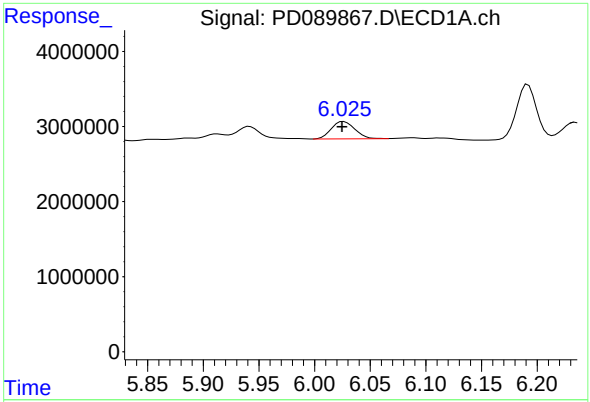

#10 gamma-Chlordane

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



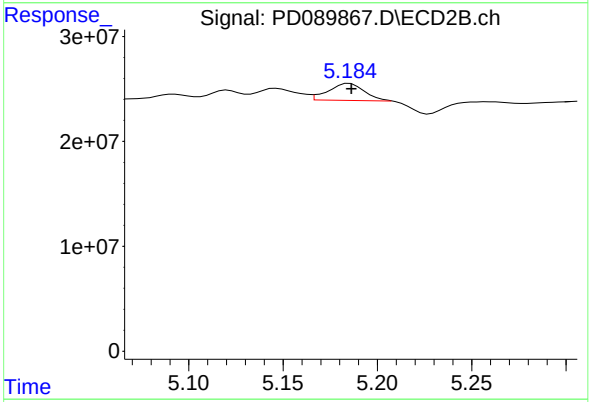

#11 alpha-Chlordane

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

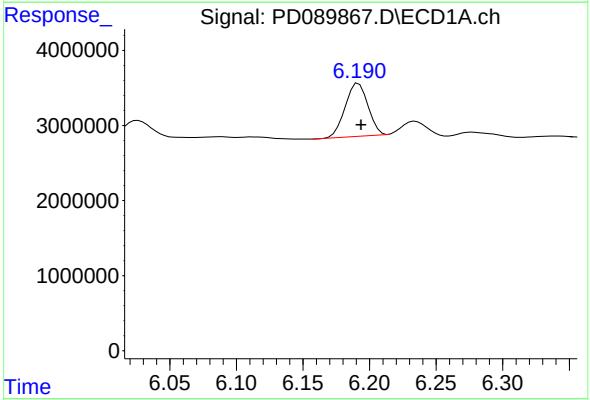
**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



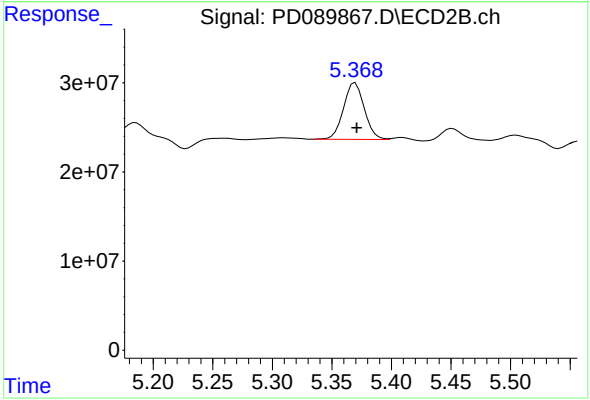

#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.002 min
Response: 20952622
Conc: 1.01 ng/ml m



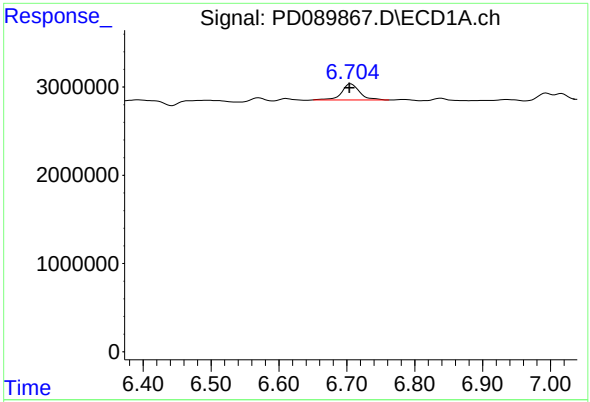

#12 4,4'-DDE

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



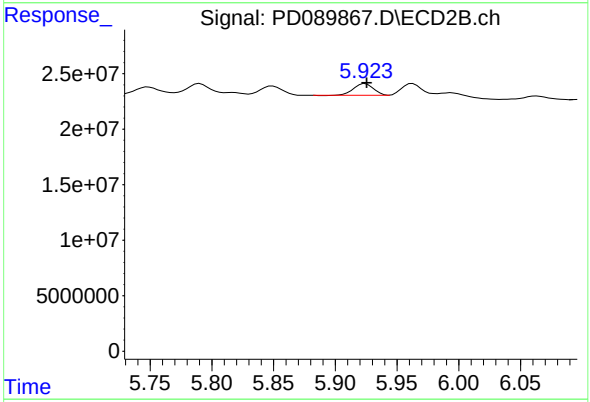

#16 4,4'-DDD

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

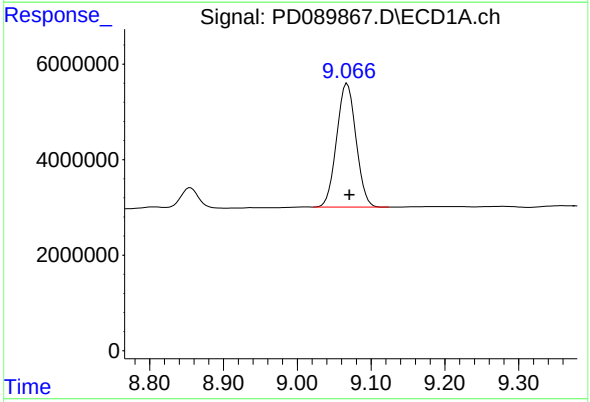
**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



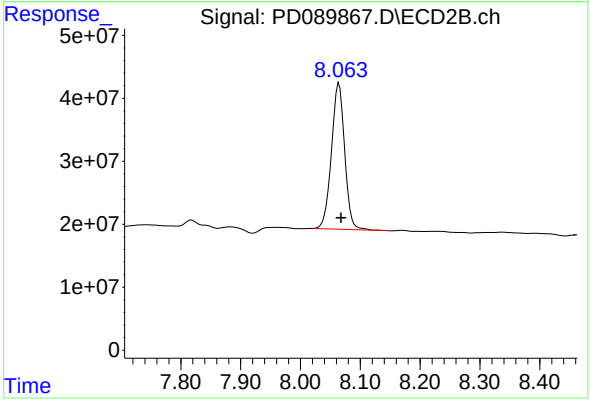

#16 4,4'-DDD

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.

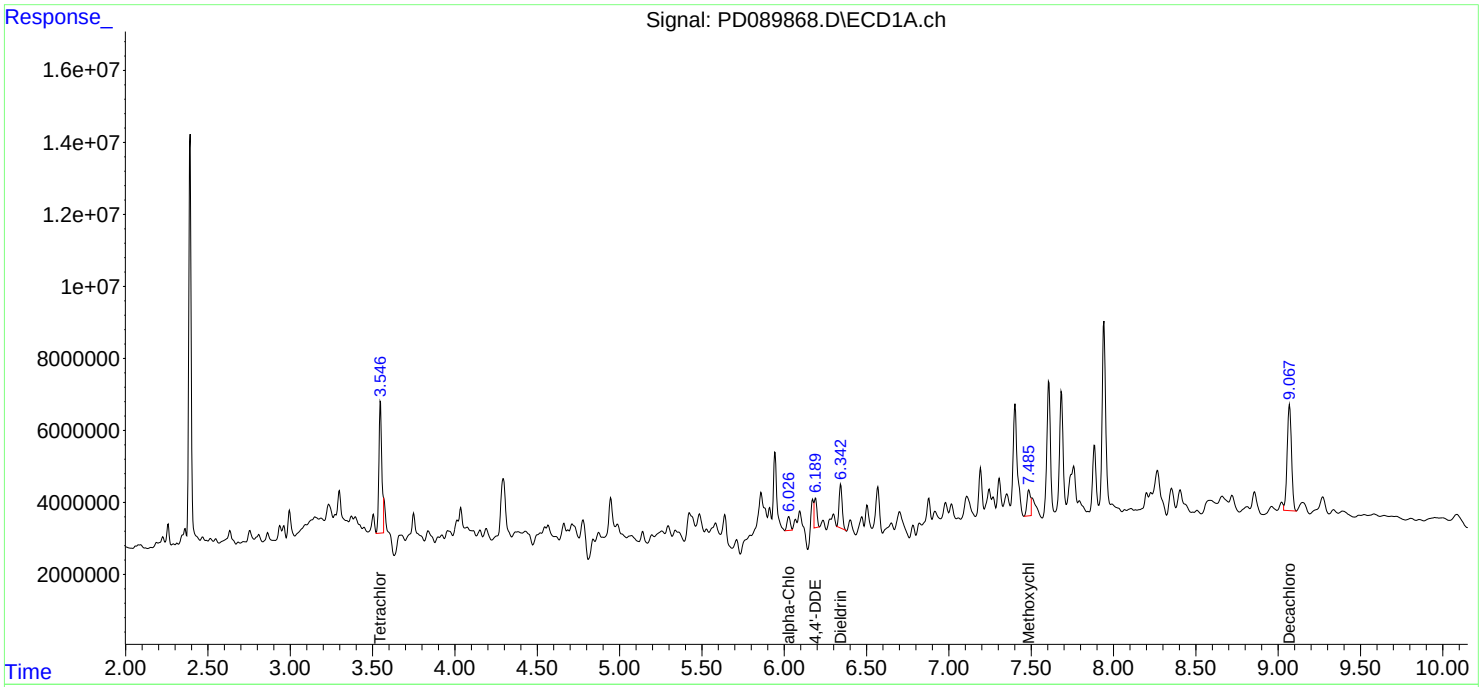
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089868.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 17:14
Operator : AR\AJ
Sample : Q2818-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

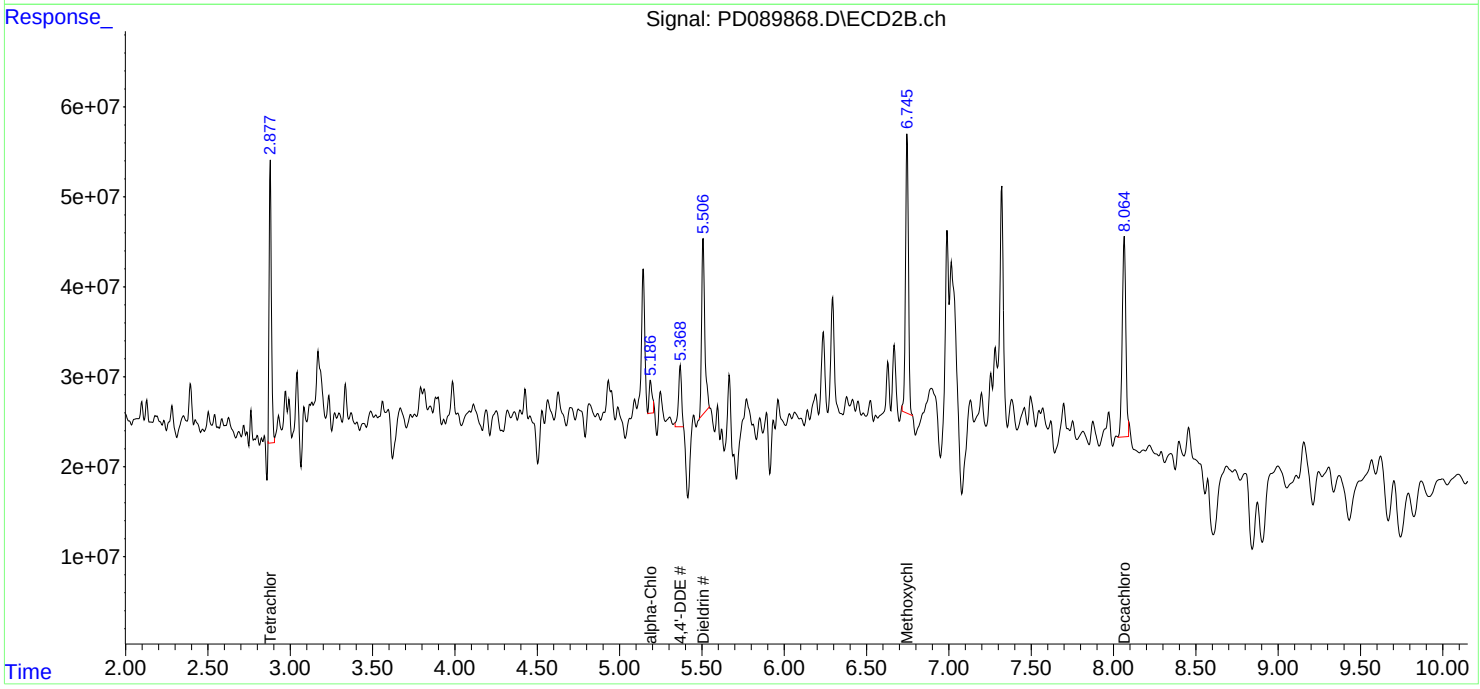
**Instrument :**
ECD_D
**ClientSampleId :**
B-3-5-2

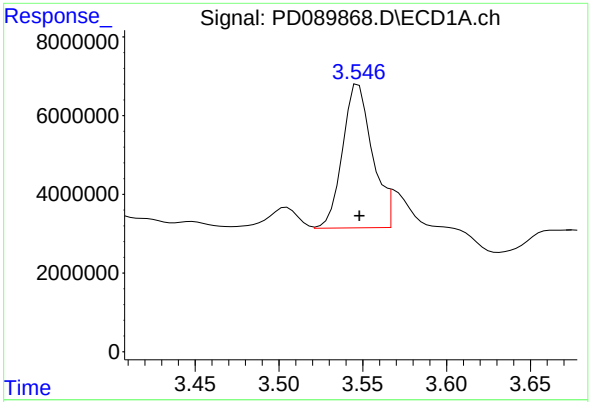
**Manual Integrations APPROVED**
Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025

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





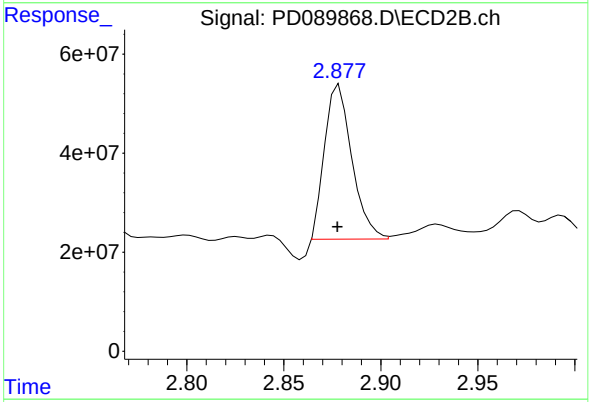

#1 Tetrachloro-m-xylene

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

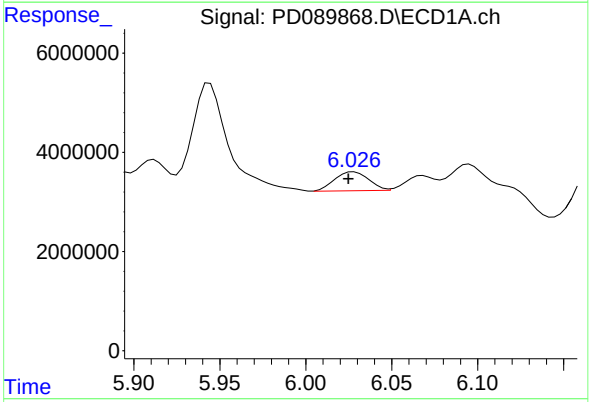
**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



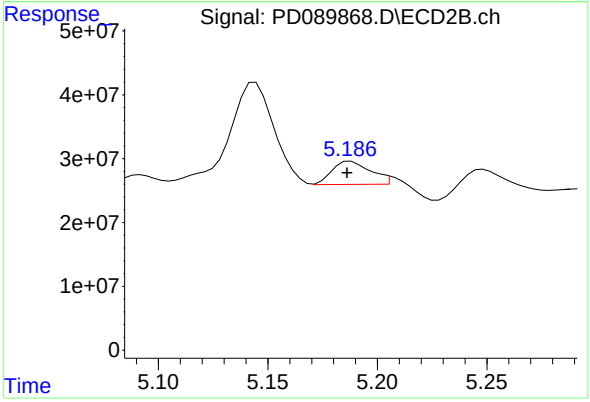

#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 305467264
Conc: 19.29 ng/ml m



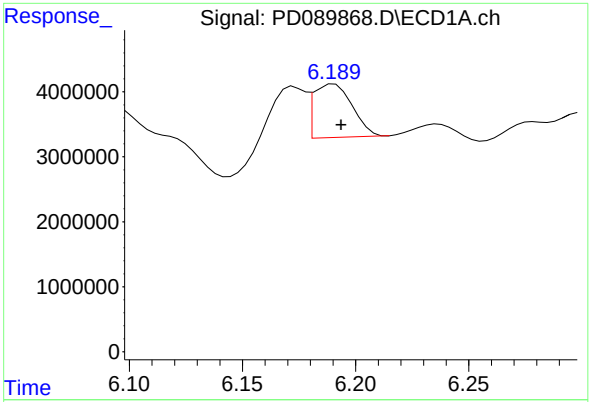

#11 alpha-Chlordane

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



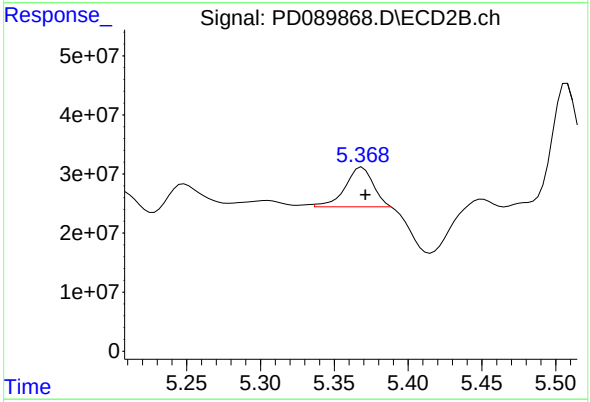

#12 4,4'-DDE

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

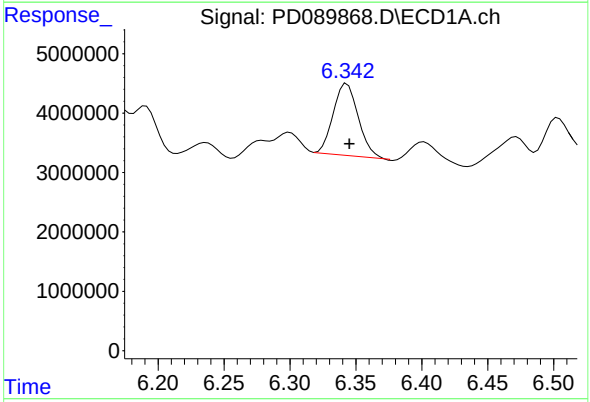
**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



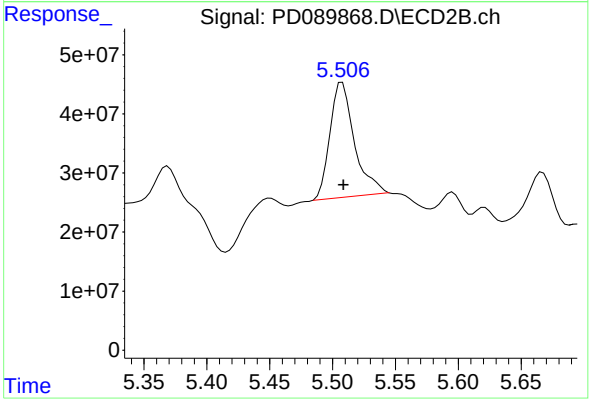

#12 4,4'-DDE

R.T.: 5.367 min
Delta R.T.: -0.003 min
Response: 88097582
Conc: 4.17 ng/ml m



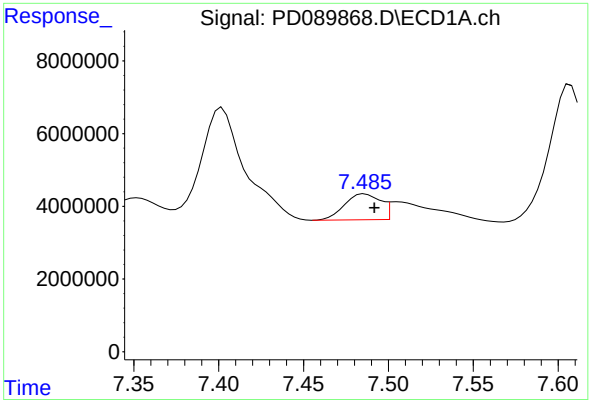

#13 Dieldrin

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



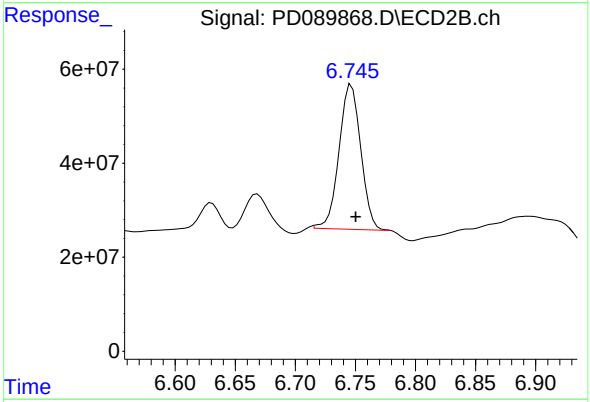

#20 Methoxychlor

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

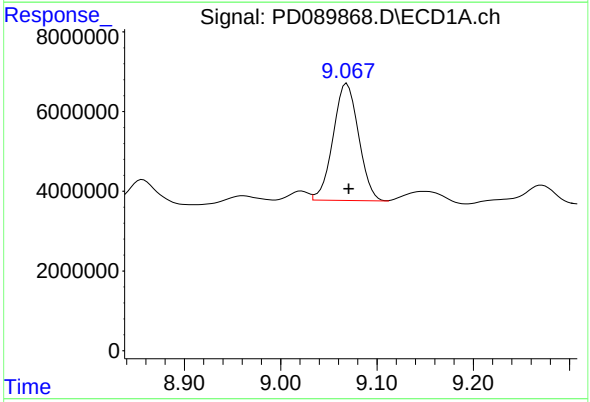
**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



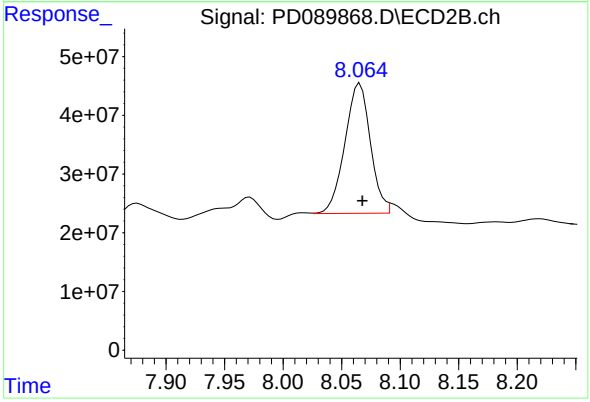

#20 Methoxychlor

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 | | | | | | |

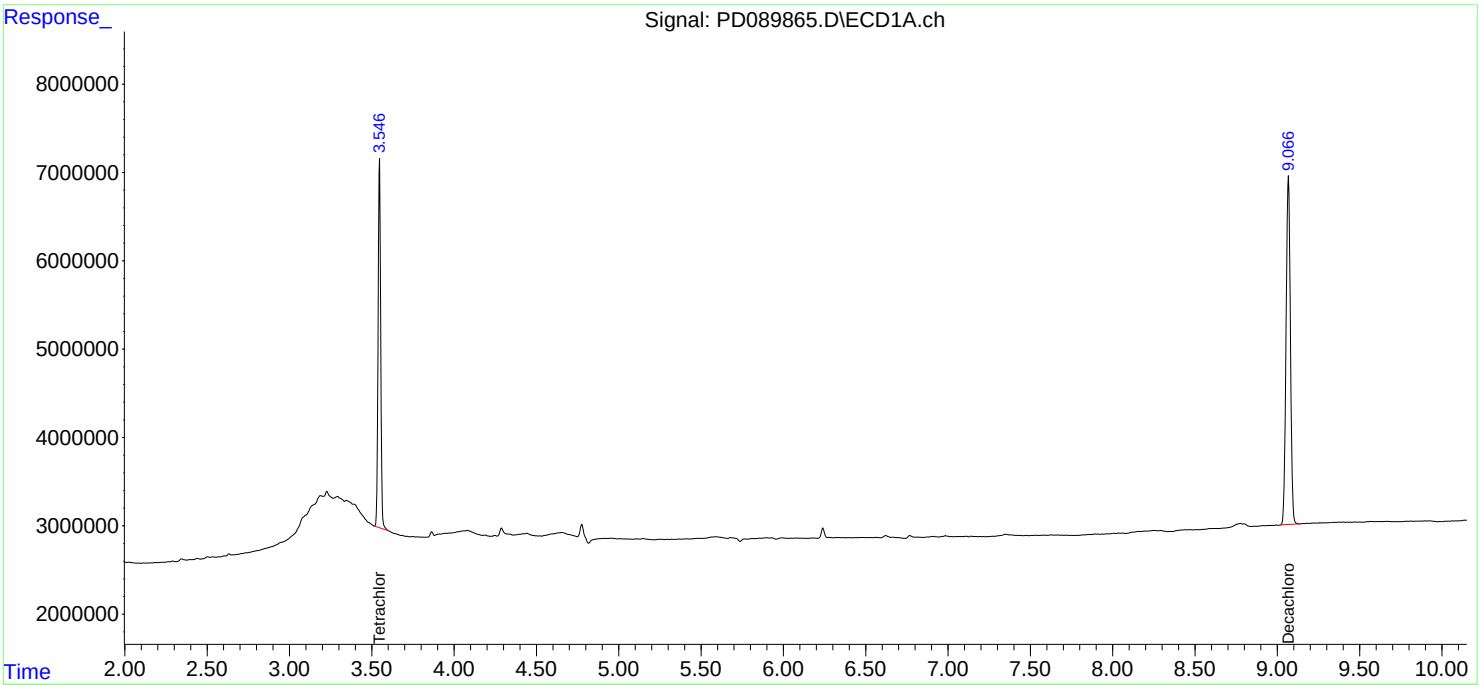
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

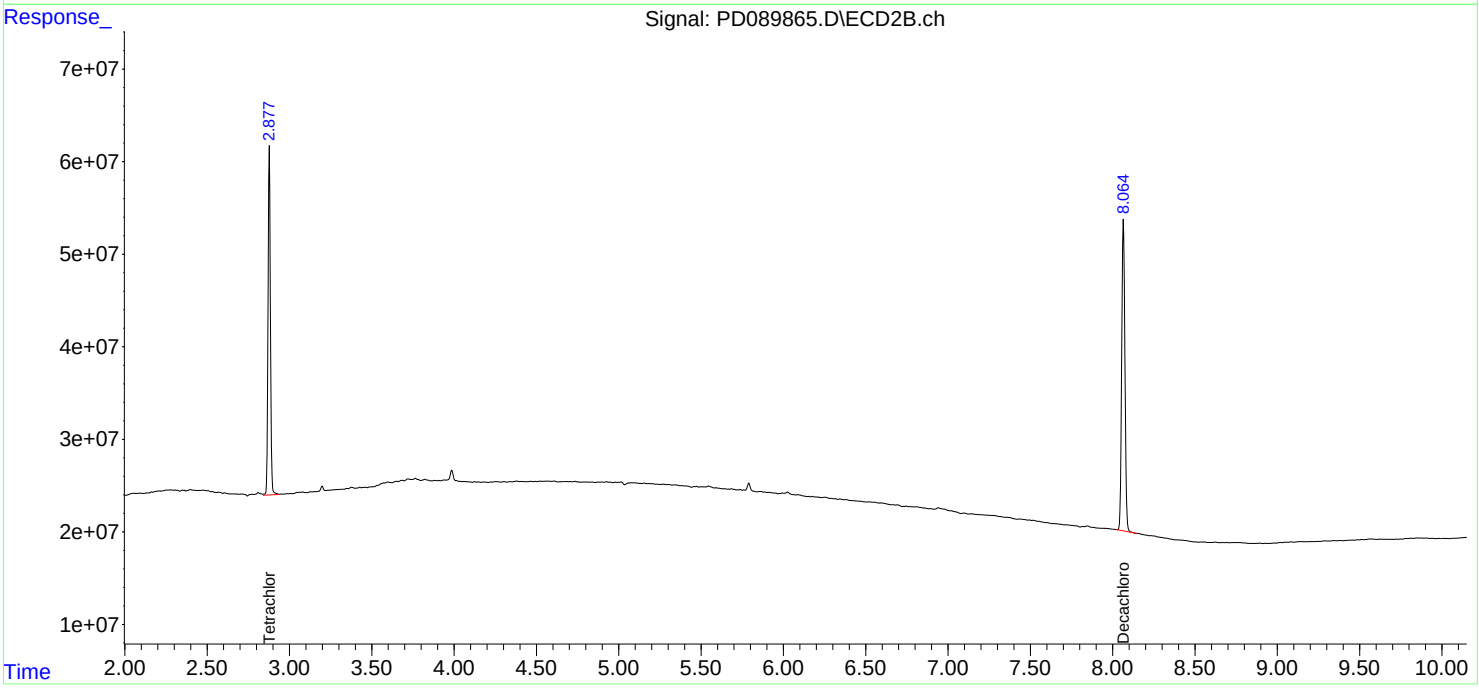
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089865.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 16:33
Operator : AR\AJ
Sample : PB169206BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

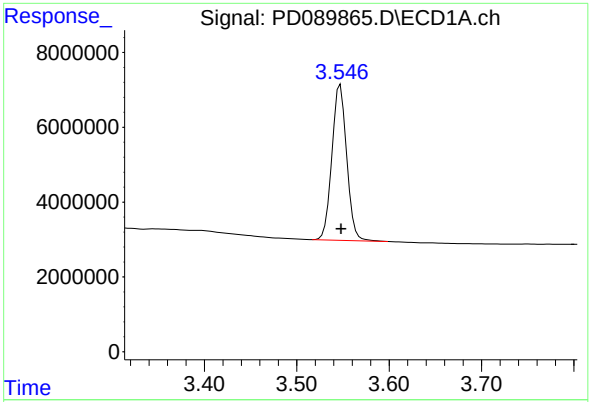
**Instrument :**
ECD_D
**ClientSampleId :**
PB169206BL

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



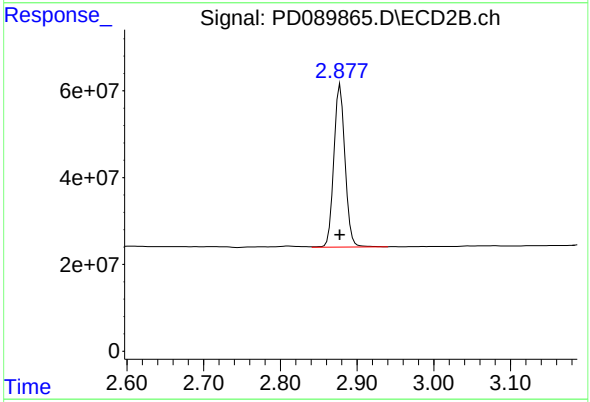






#1 Tetrachloro-m-xylene

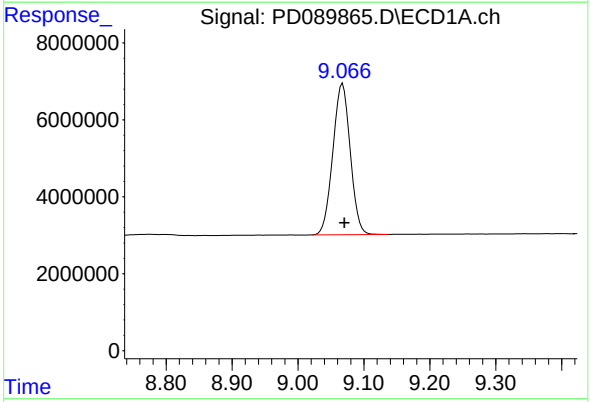
R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 46236397
Conc: 18.75 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
PB169206BL



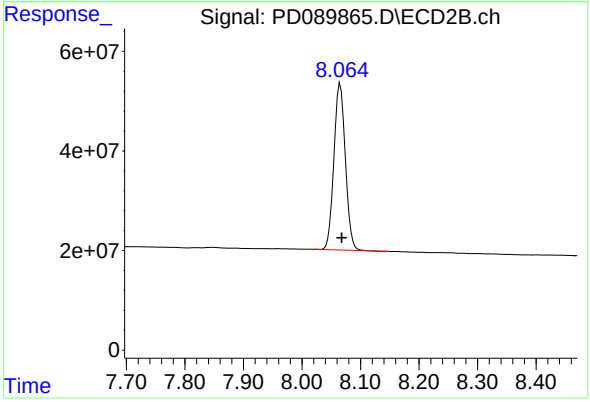

#1 Tetrachloro-m-xylene

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 # |

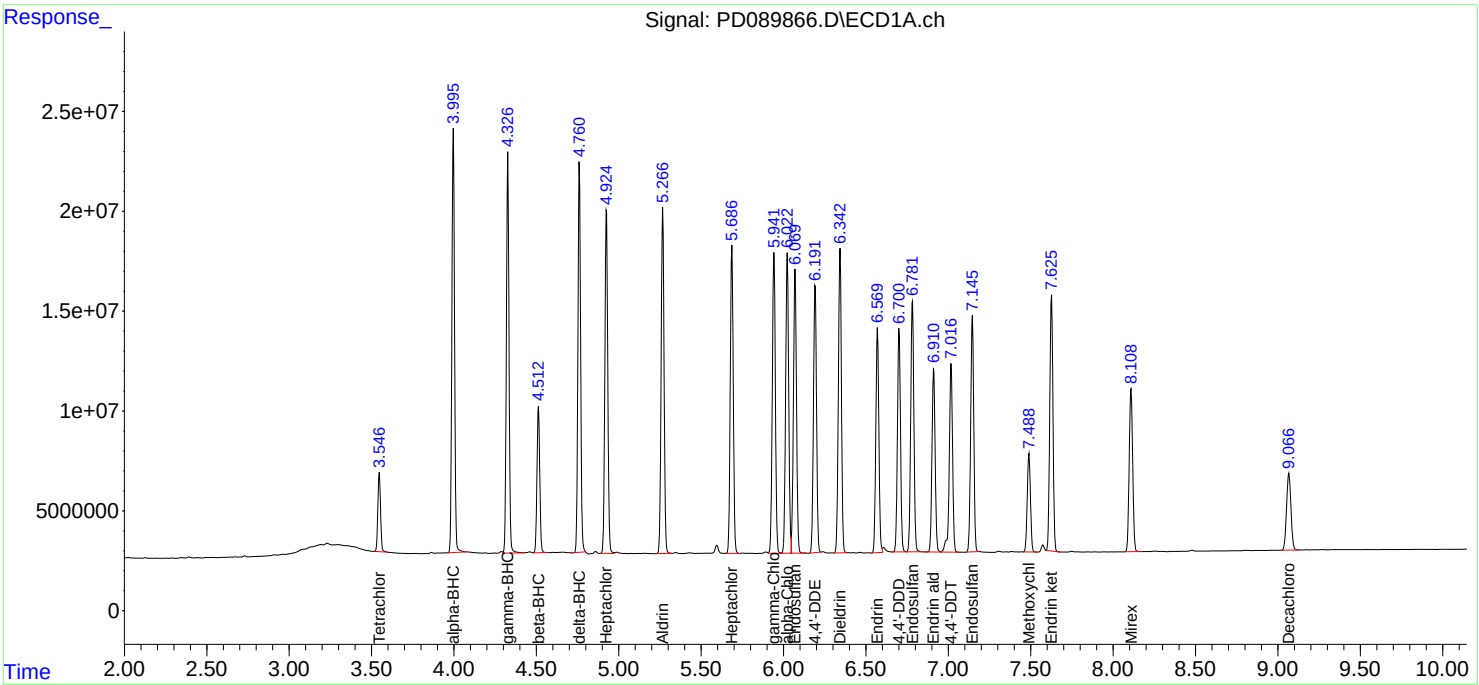
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

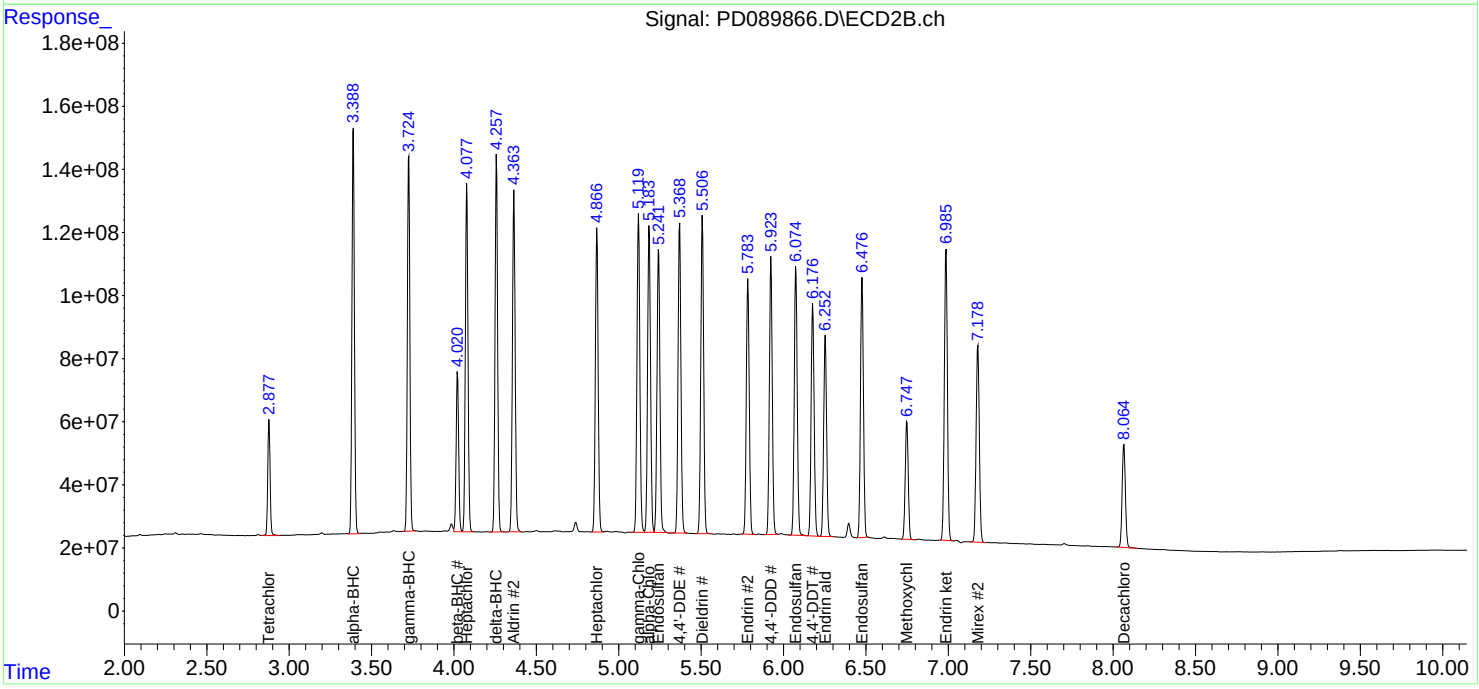
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089866.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 16:47
Operator : AR\AJ
Sample : PB169206BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**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.

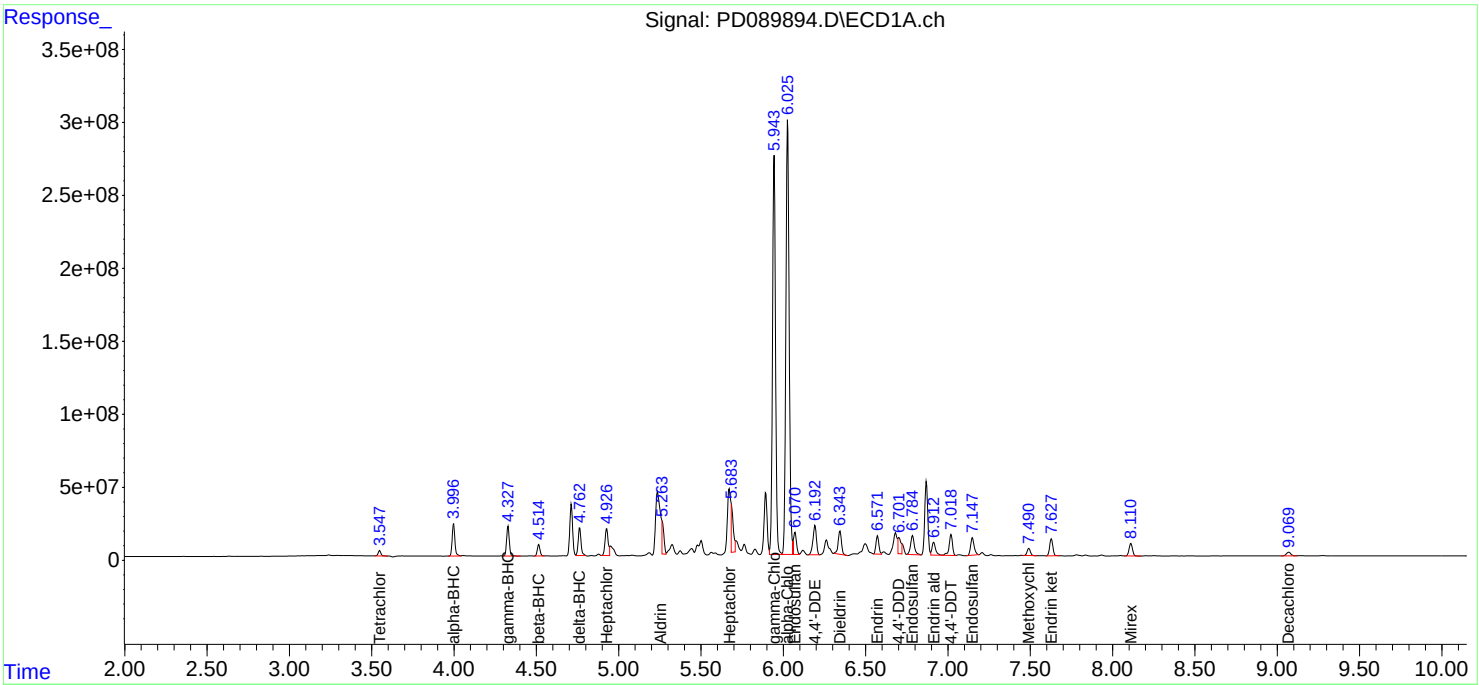
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089894.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:14
Operator : AR\AJ
Sample : Q2819-14MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

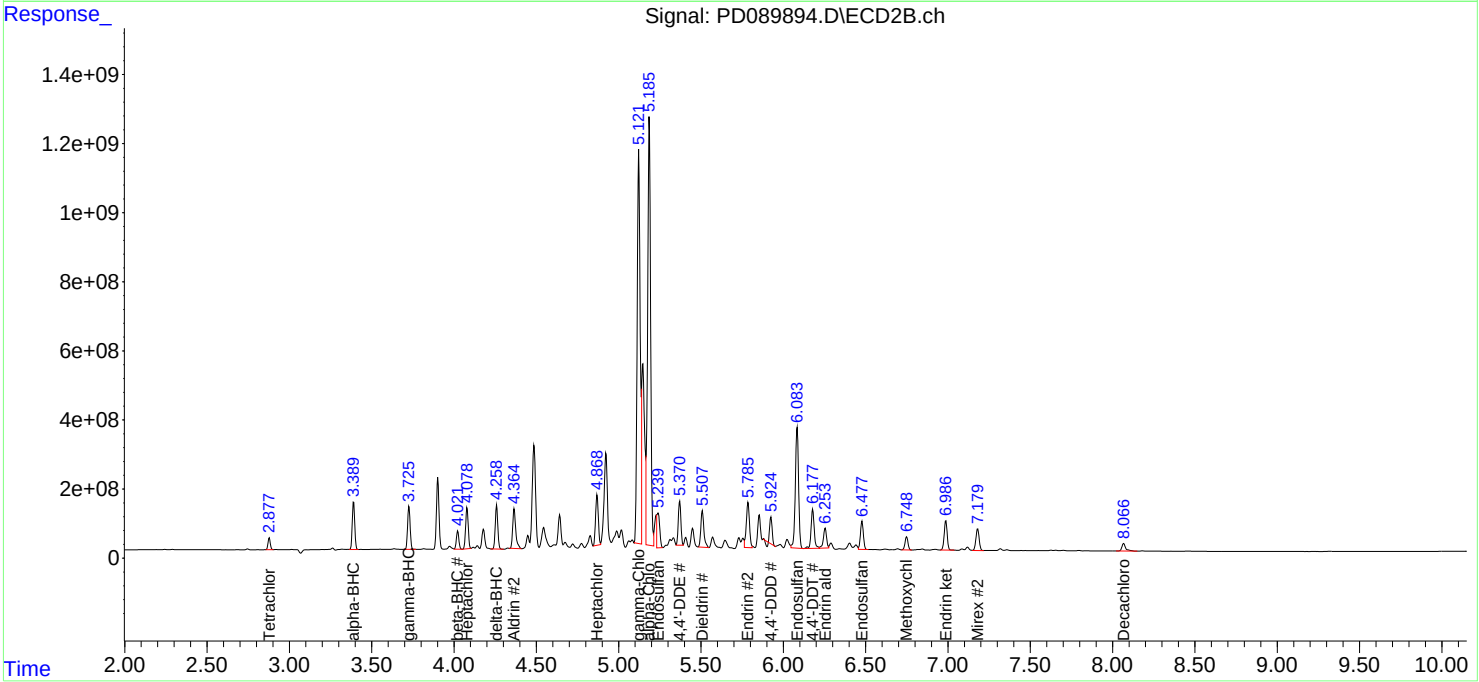
**Instrument :**
ECD_D
**ClientSampleId :**
17M-WMS

**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.

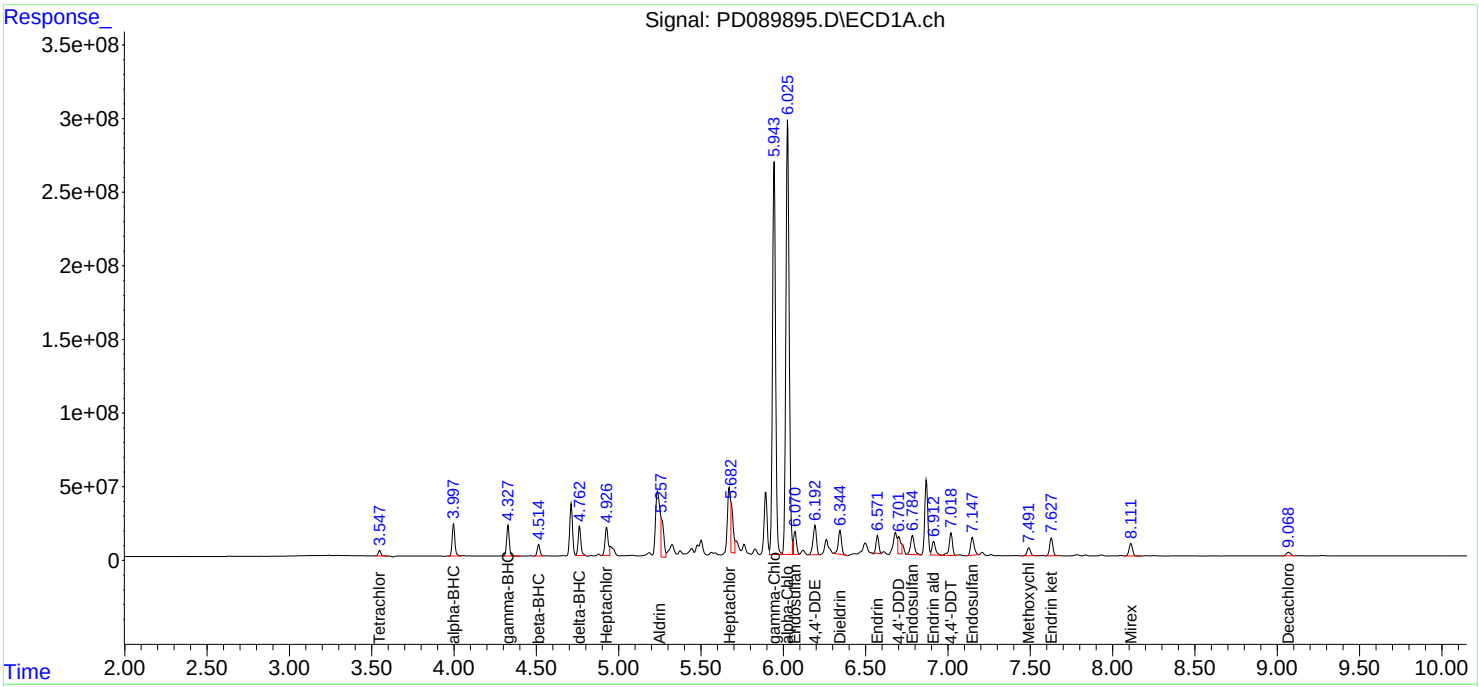
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089895.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:28
Operator : AR\AJ
Sample : Q2819-14MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

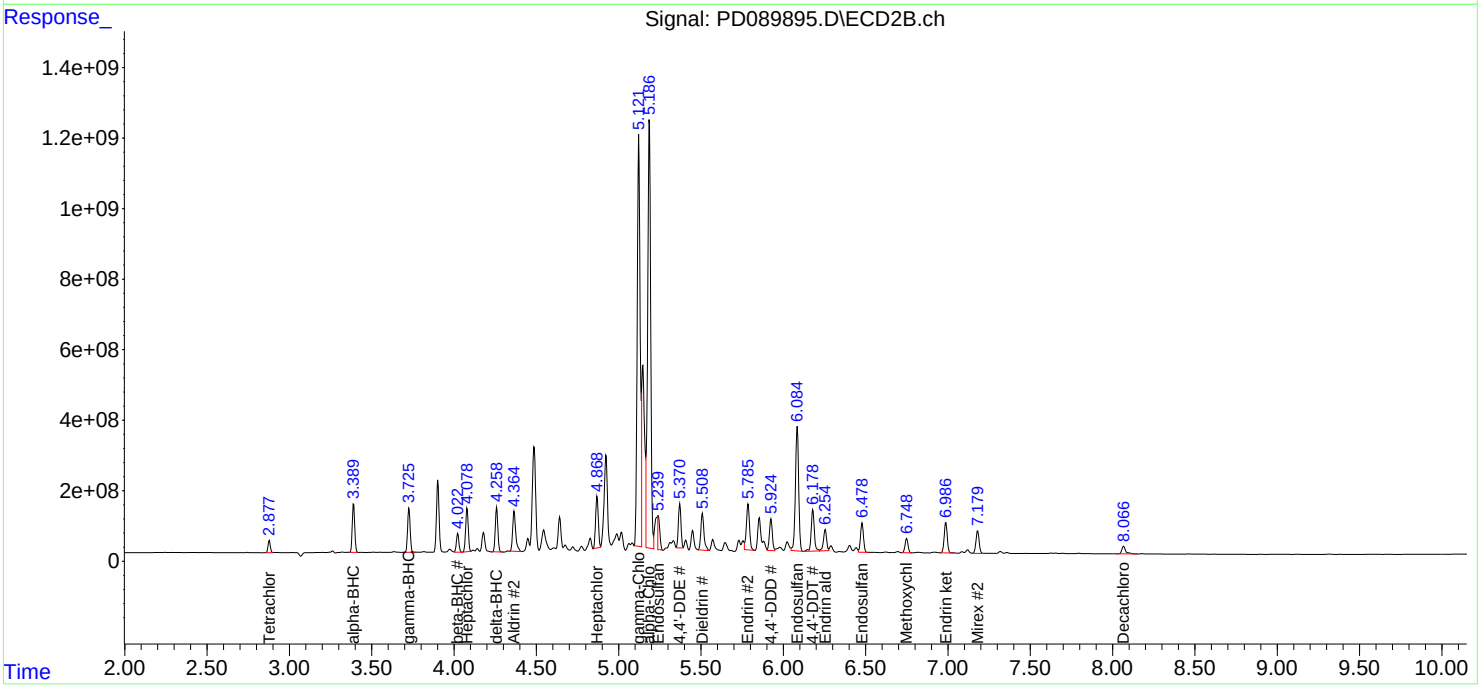
**Instrument :**
ECD_D
**ClientSampleId :**
17M-WMSD

**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 |

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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 |
|---|---|---|---|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|---|

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 # 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 |

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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 |

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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 |

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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 |

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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 |

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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 | 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 |

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**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

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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 |
| 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

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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-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

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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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Fax : 908 789 8922



# 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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Fax : 908 789 8922



# 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:

U = Not Detected
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M = MS/MSD acceptance criteria did not meet requirements

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() = Laboratory InHouse Limit

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | 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:

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

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

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | 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:

U = Not Detected
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() = Laboratory InHouse Limit

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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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Fax : 908 789 8922



# 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:

U = Not Detected
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Fax : 908 789 8922



# 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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Fax : 908 789 8922



# 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:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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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: | 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
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-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
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922



## 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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Fax : 908 789 8922



## 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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Fax : 908 789 8922



## 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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## 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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Fax : 908 789 8922



## 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 |

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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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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: Q2830-01MSD
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.

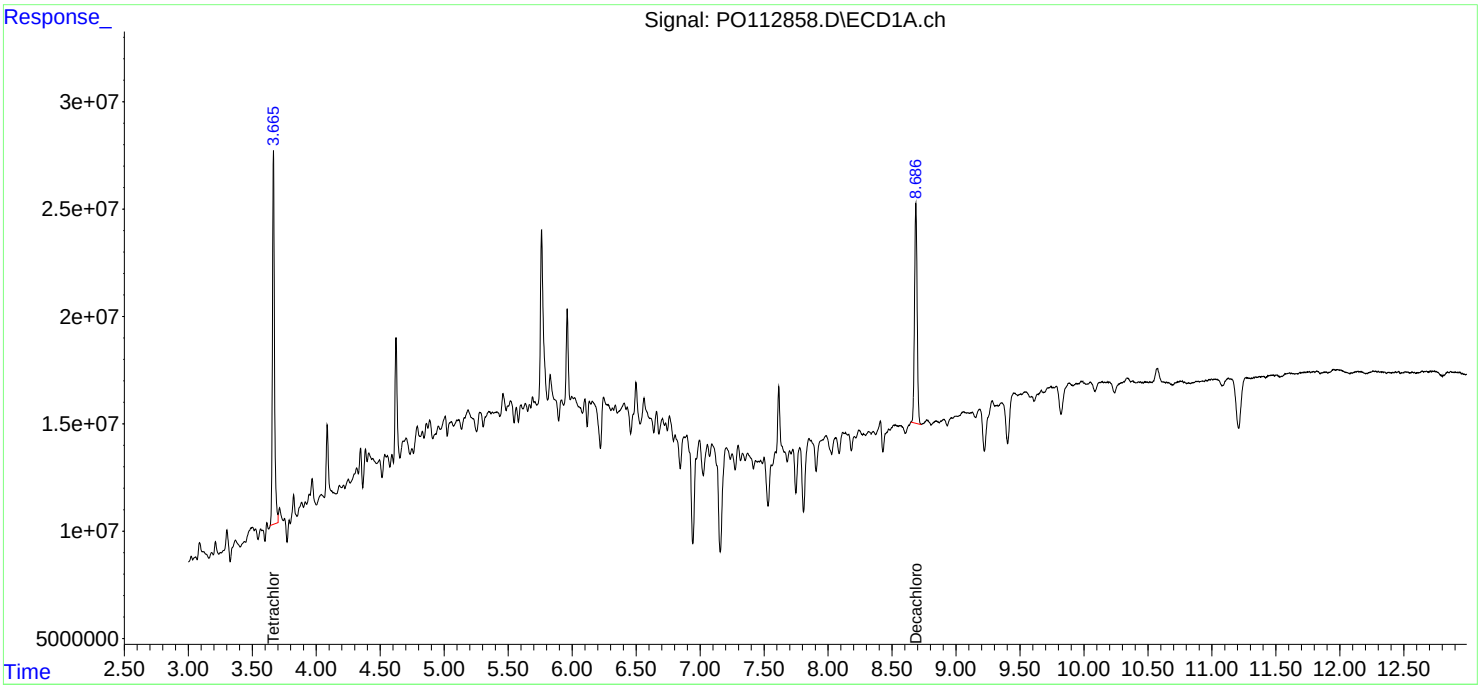
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081225\
Data File : PO112858.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 12:50
Operator : YP/AJ
Sample : Q2818-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

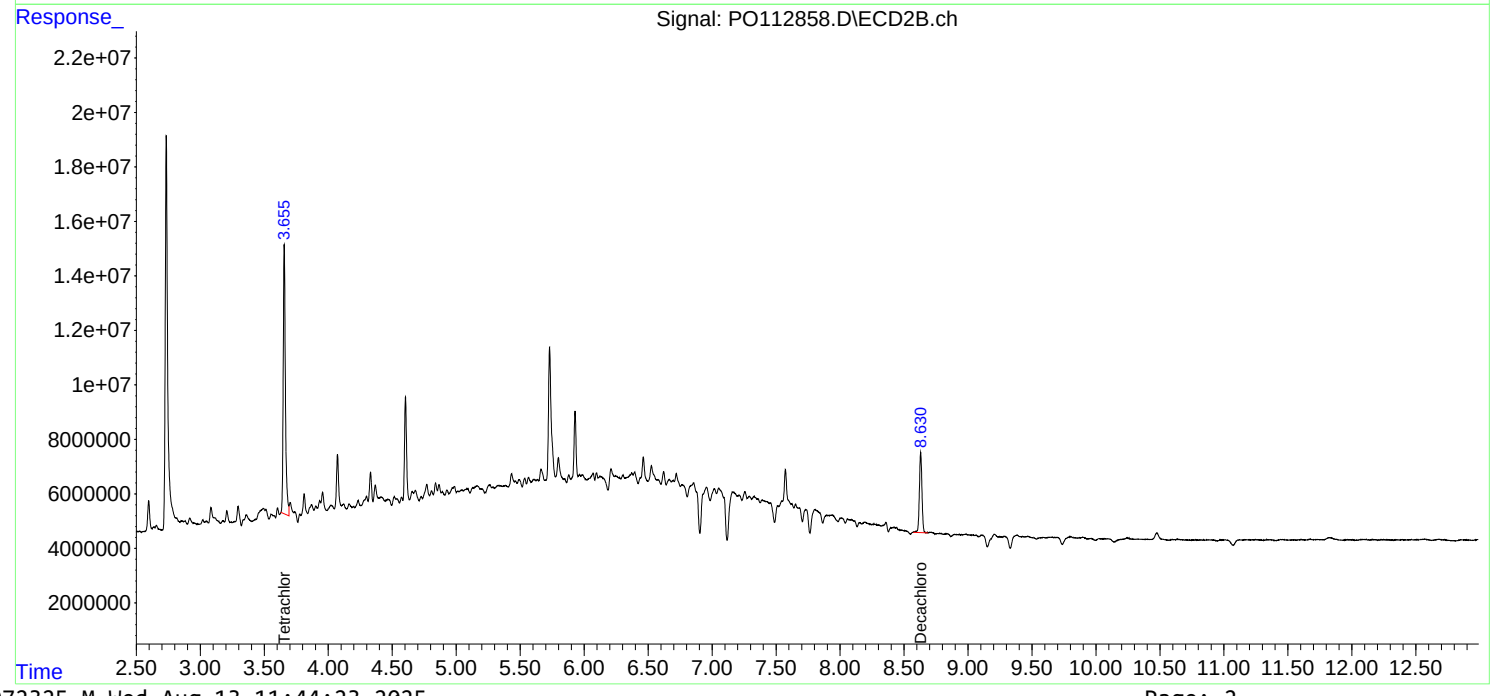
**Instrument :**
ECD_O
**ClientSampleId :**
B-2-5-1

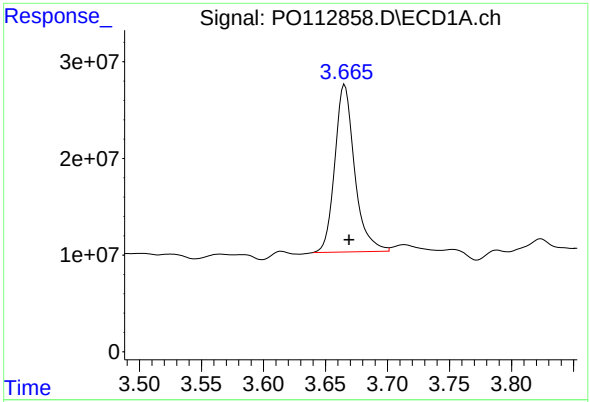
**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/14/2025

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





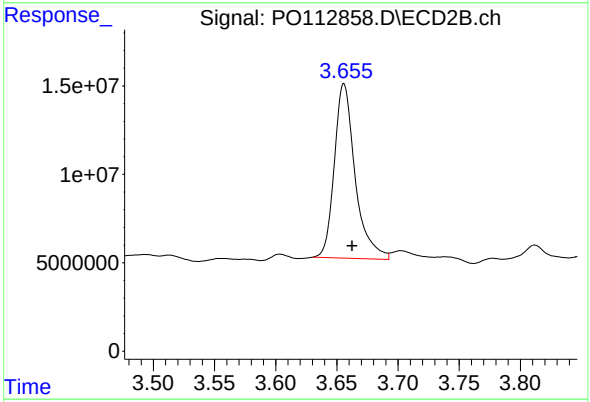

#1 Tetrachloro-m-xylene

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

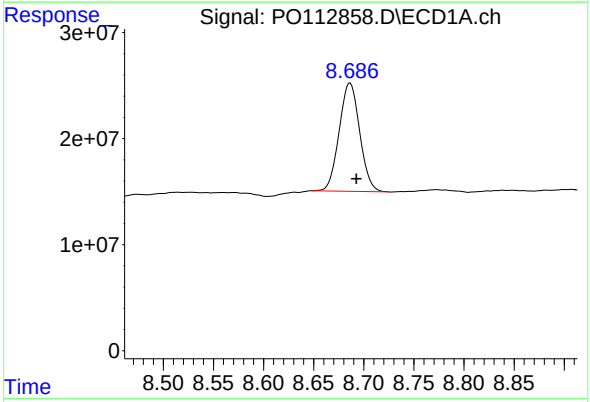
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



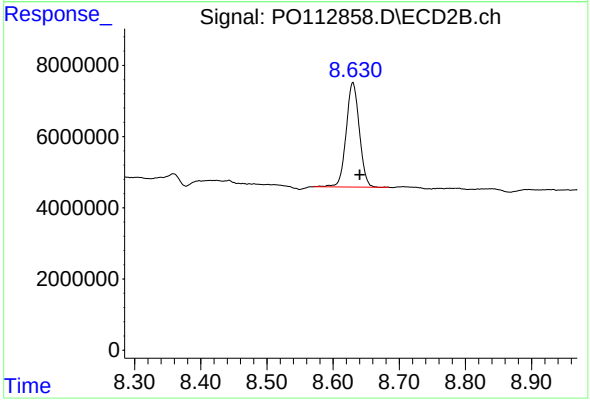

#1 Tetrachloro-m-xylene

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 | | | | | | |

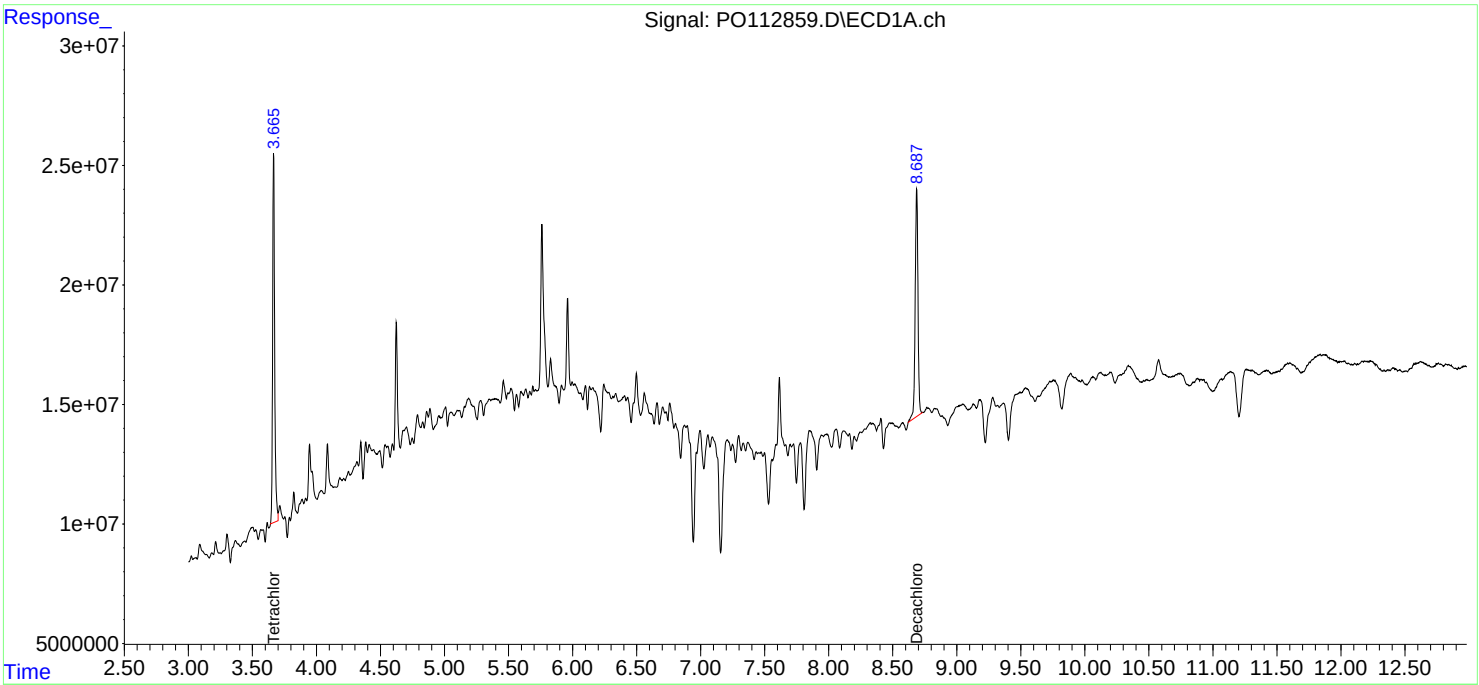
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

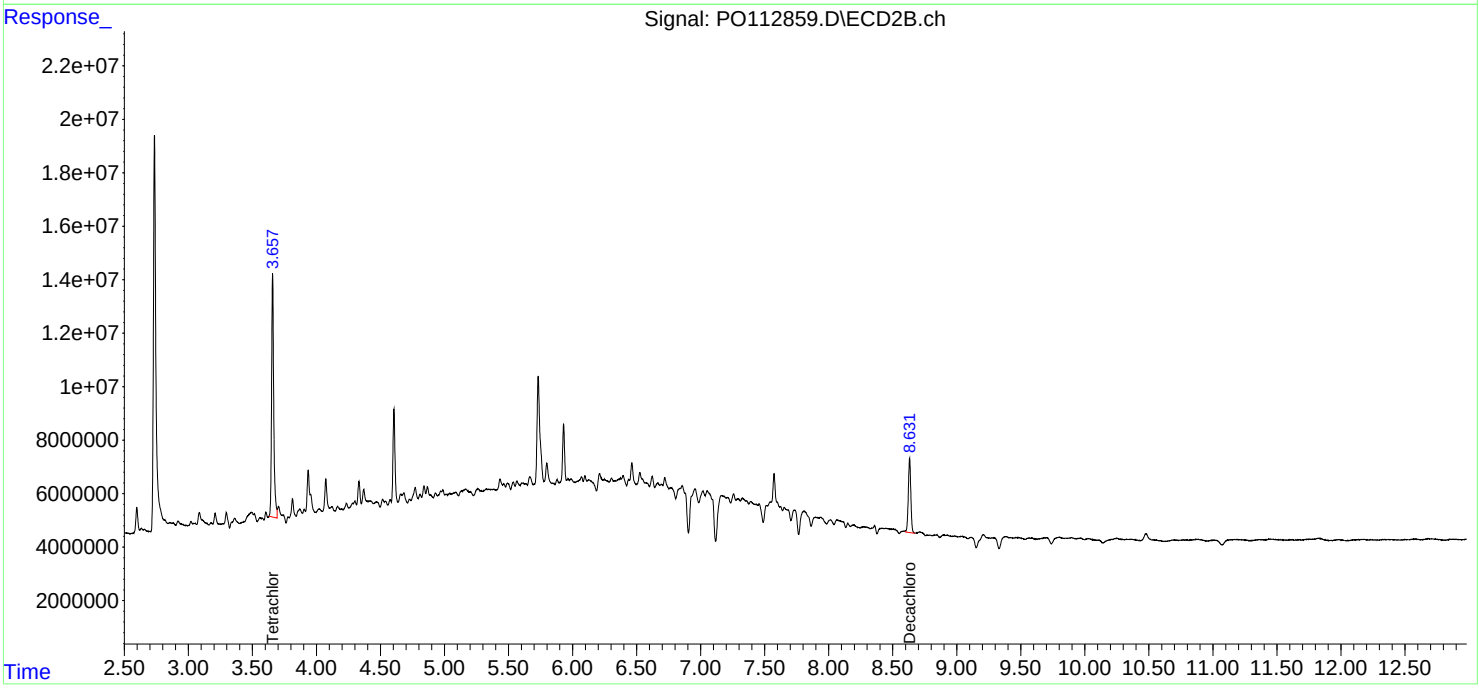
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081225\
Data File : PO112859.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 13:08
Operator : YP/AJ
Sample : Q2818-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

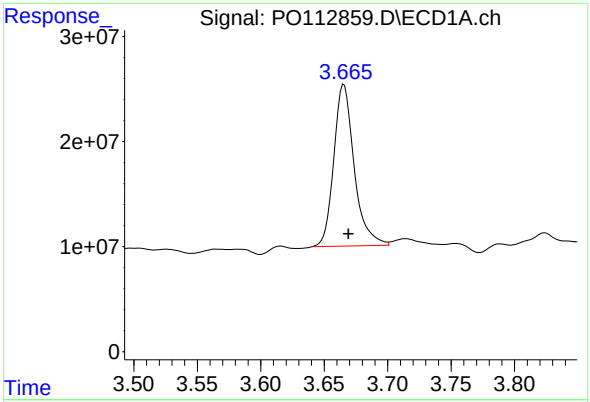
**Instrument :**
ECD_O
**ClientSampleId :**
B-3-5-2

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



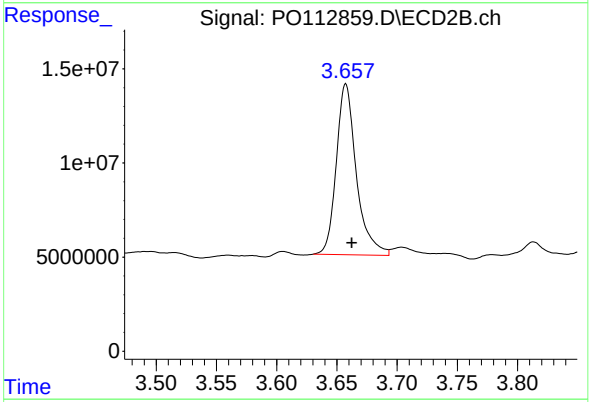






#1 Tetrachloro-m-xylene

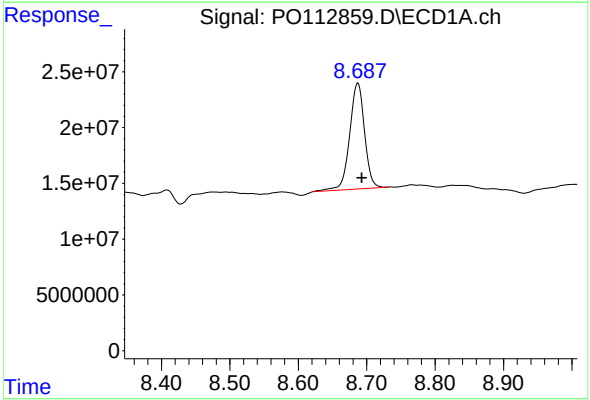
R.T.: 3.666 min
Delta R.T.: -0.003 min
Response: 171854572
Conc: 21.13 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
B-3-5-2



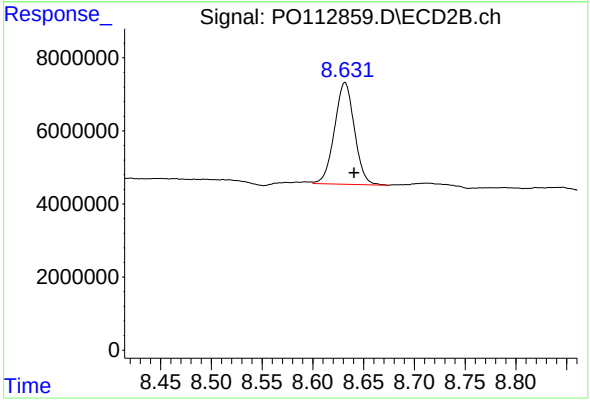

#1 Tetrachloro-m-xylene

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 | | | | | | |

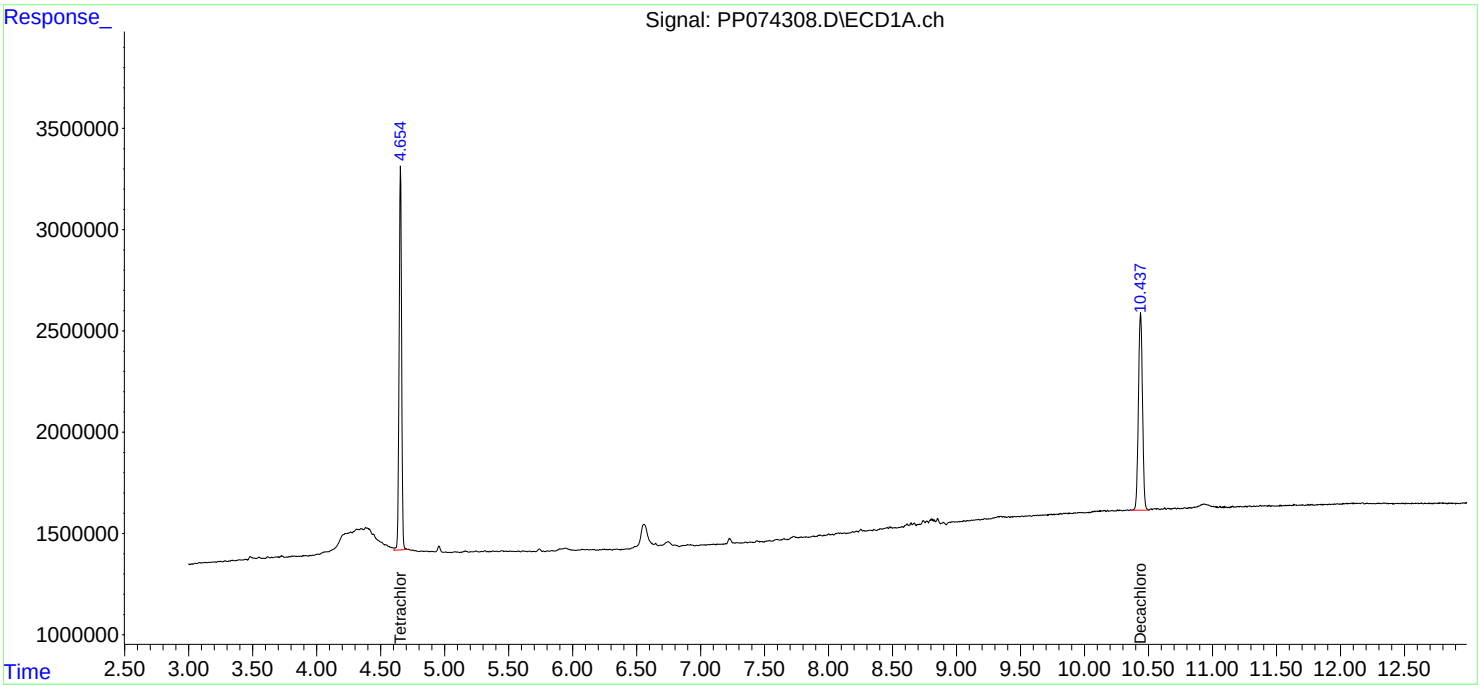
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

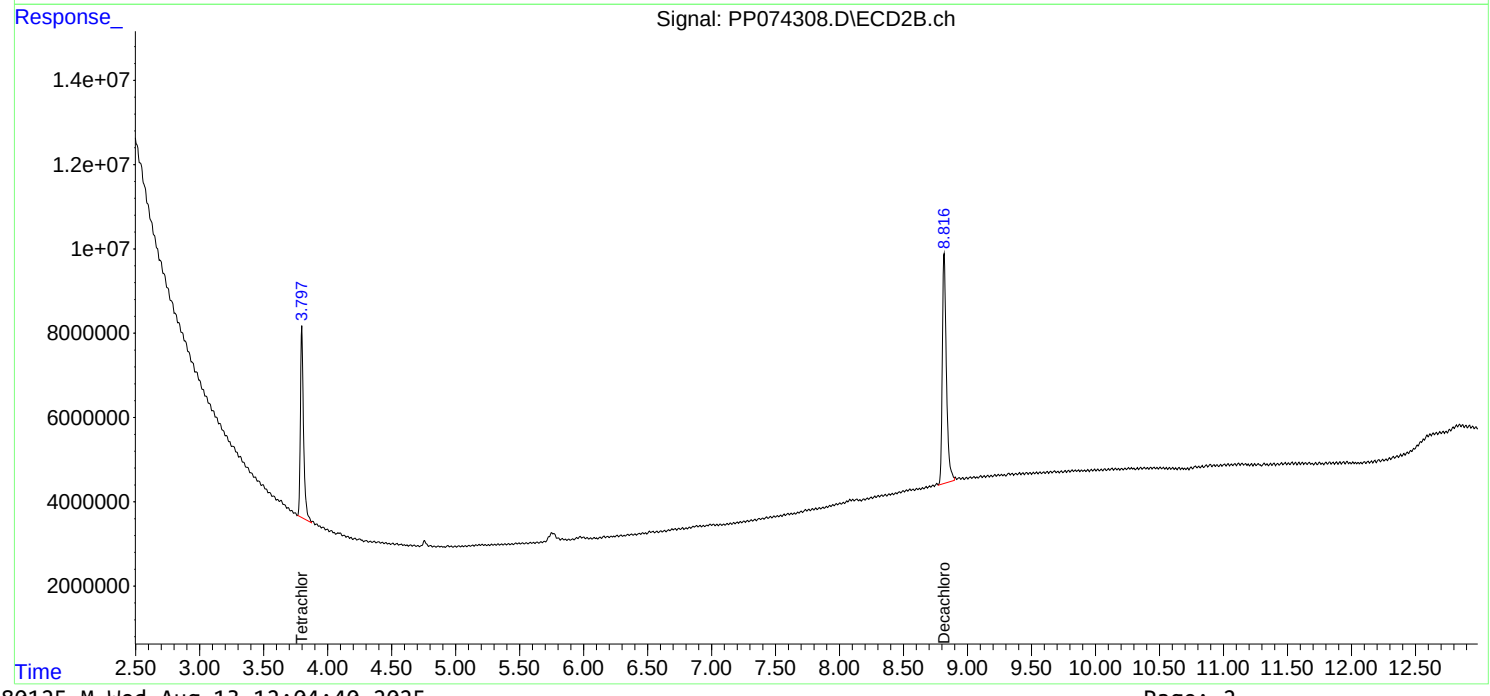
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081225\
Data File : PP074308.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 12:48
Operator : YP\AJ
Sample : PB169205BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

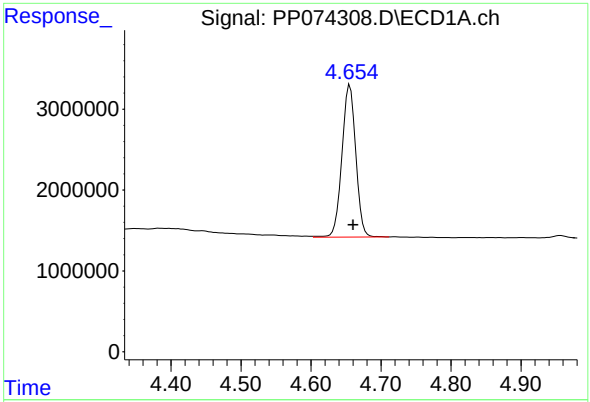
**Instrument :**
ECD_P
**ClientSampleId :**
PB169205BL

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



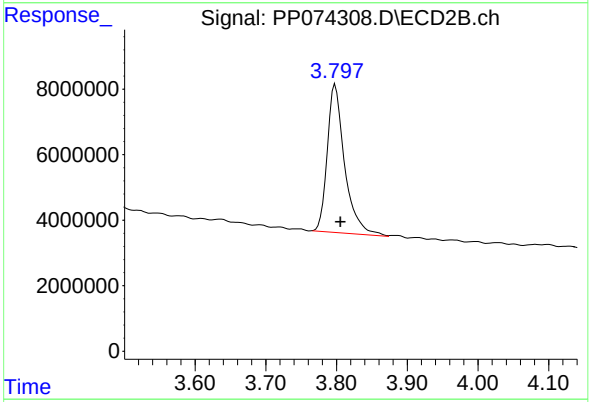






#1 Tetrachloro-m-xylene

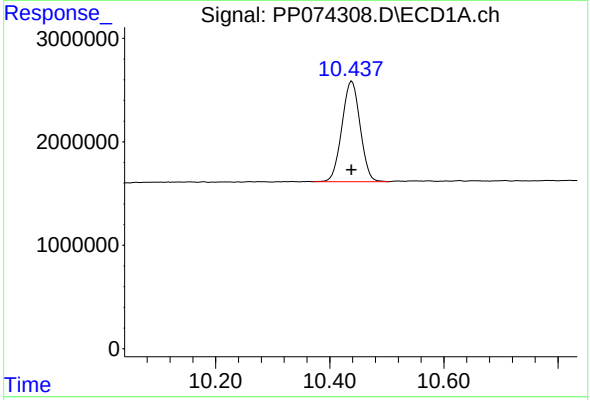
R.T.: 4.656 min
Delta R.T.: -0.004 min
Response: 25834612
Conc: 23.10 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB169205BL



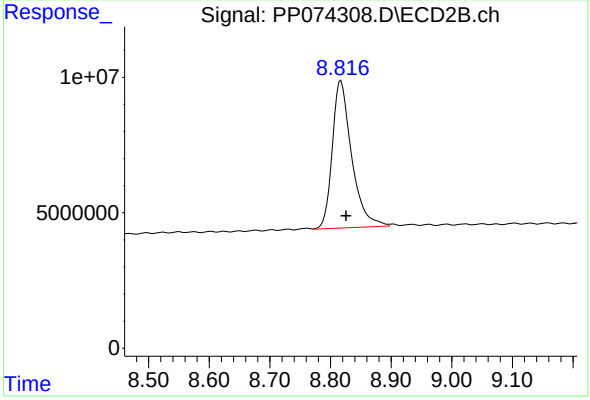

#1 Tetrachloro-m-xylene

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.

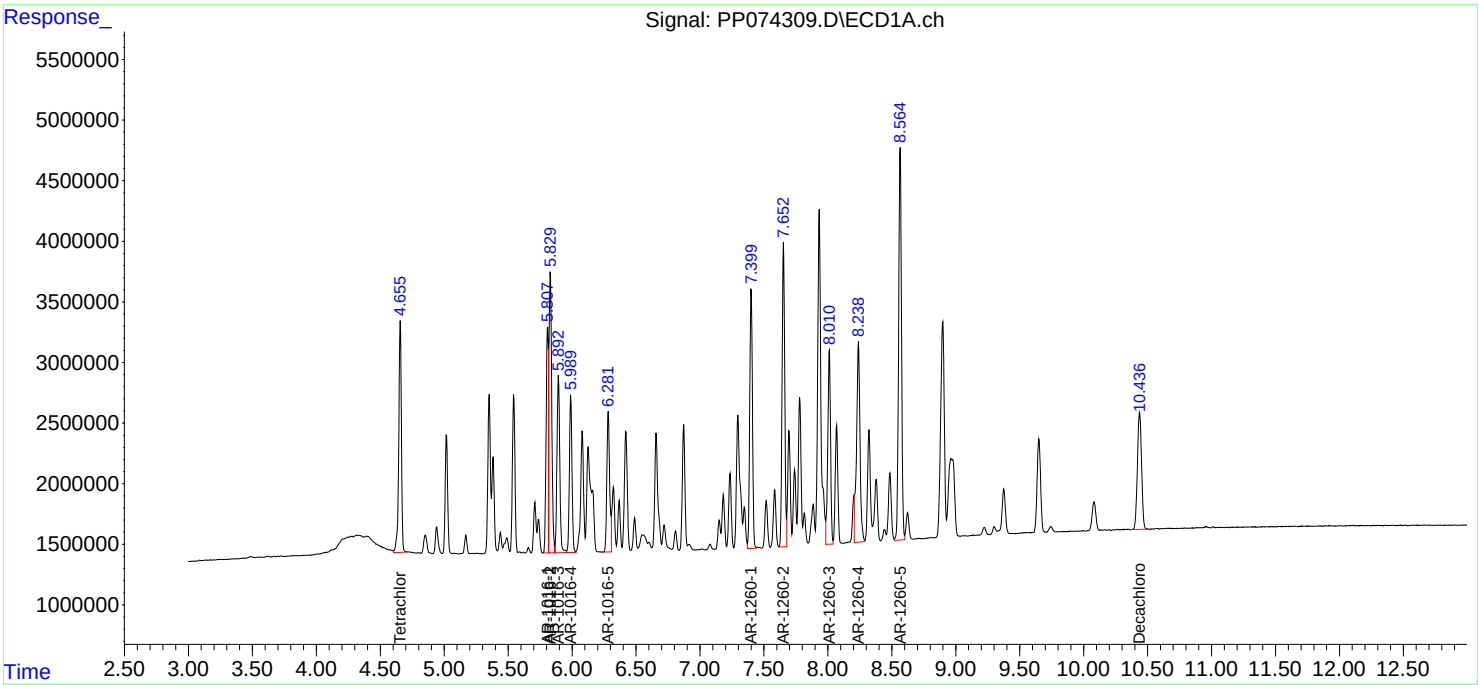
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081225\
Data File : PP074309.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 13:05
Operator : YP\AJ
Sample : PB169205BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

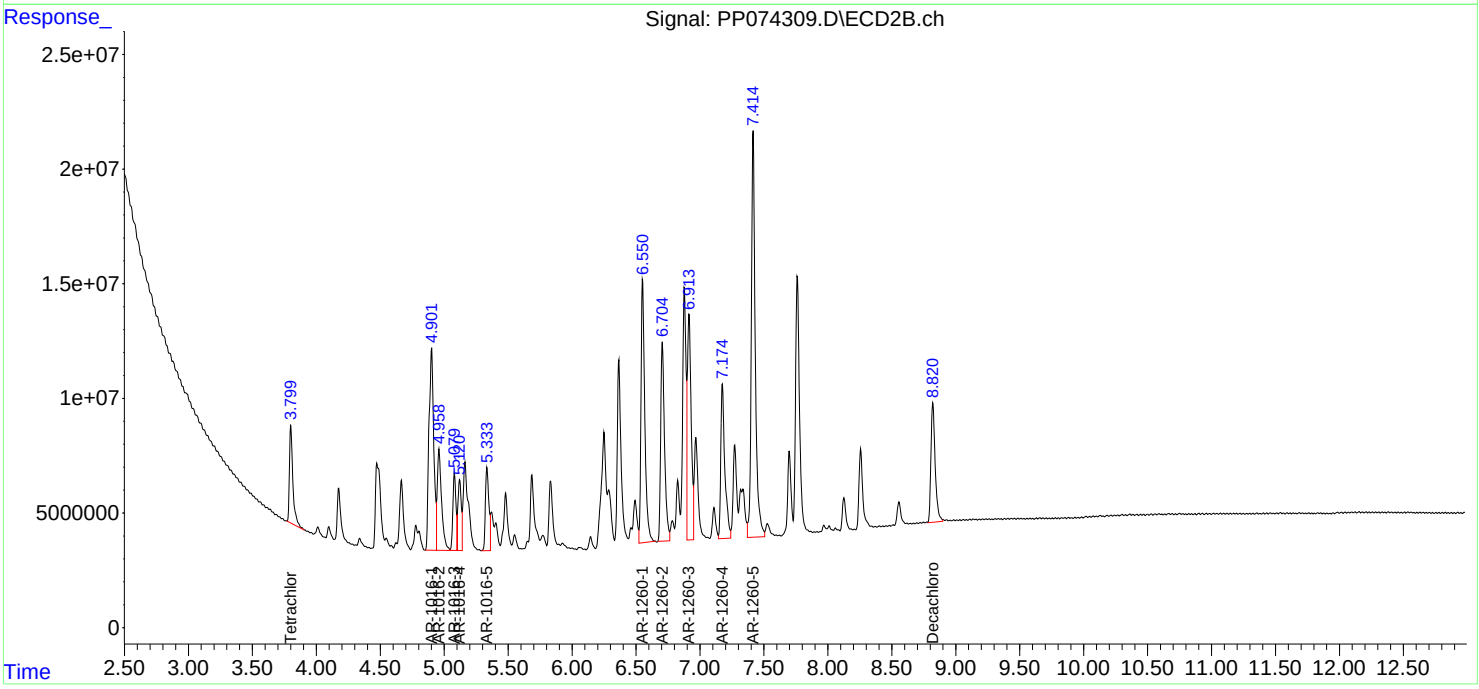
**Instrument :**
ECD_P
**ClientSampleId :**
PB169205BS

**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.

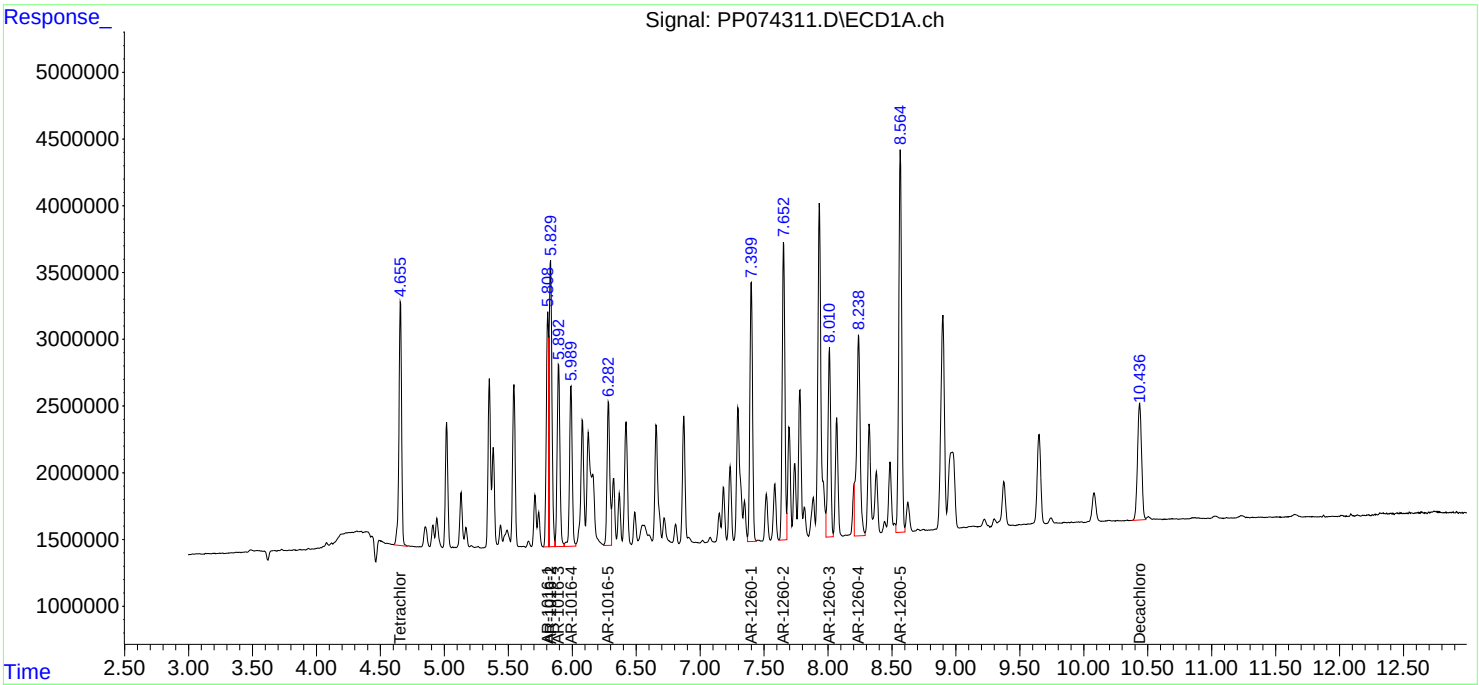
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081225\
Data File : PP074311.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 13:37
Operator : YP\AJ
Sample : Q2830-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

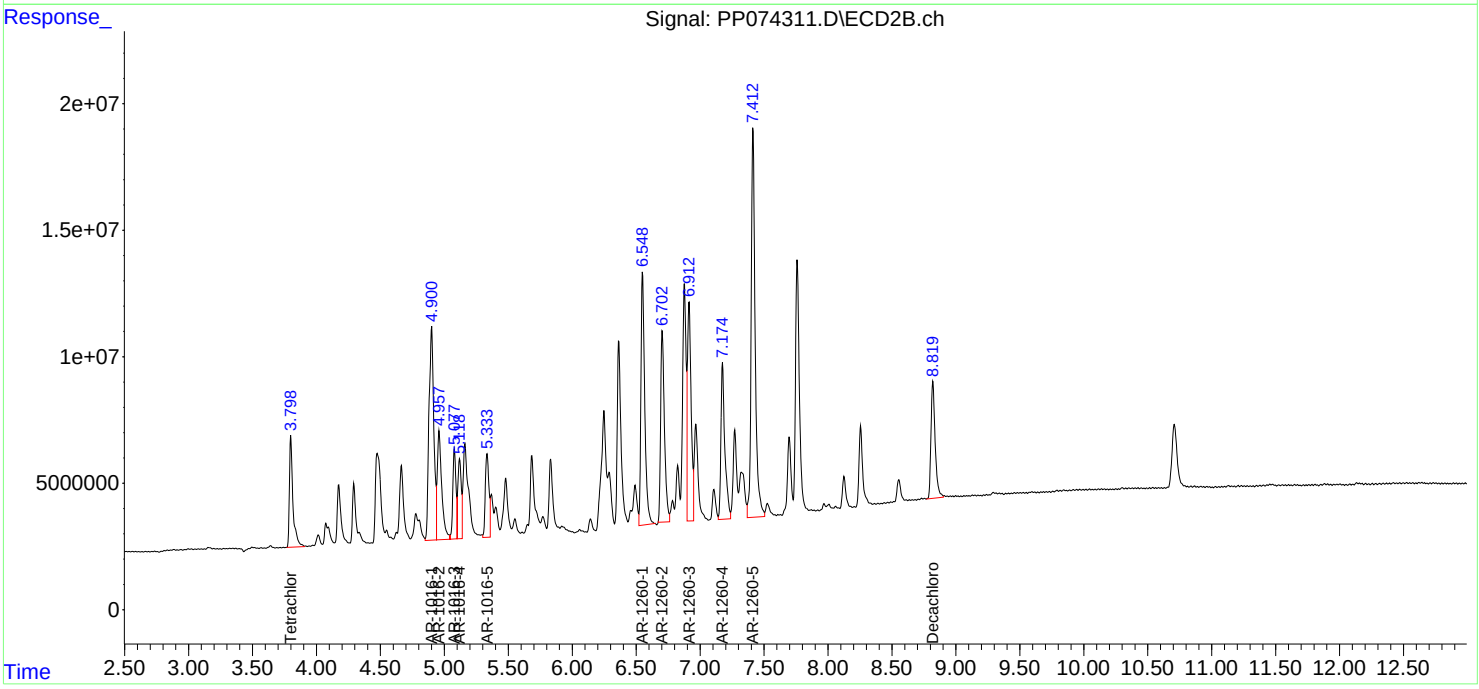
**Instrument :**
ECD_P
**ClientSampleId :**
BIN0009-DRIVEWAY-TP-SOUTH-EASTMS

**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.

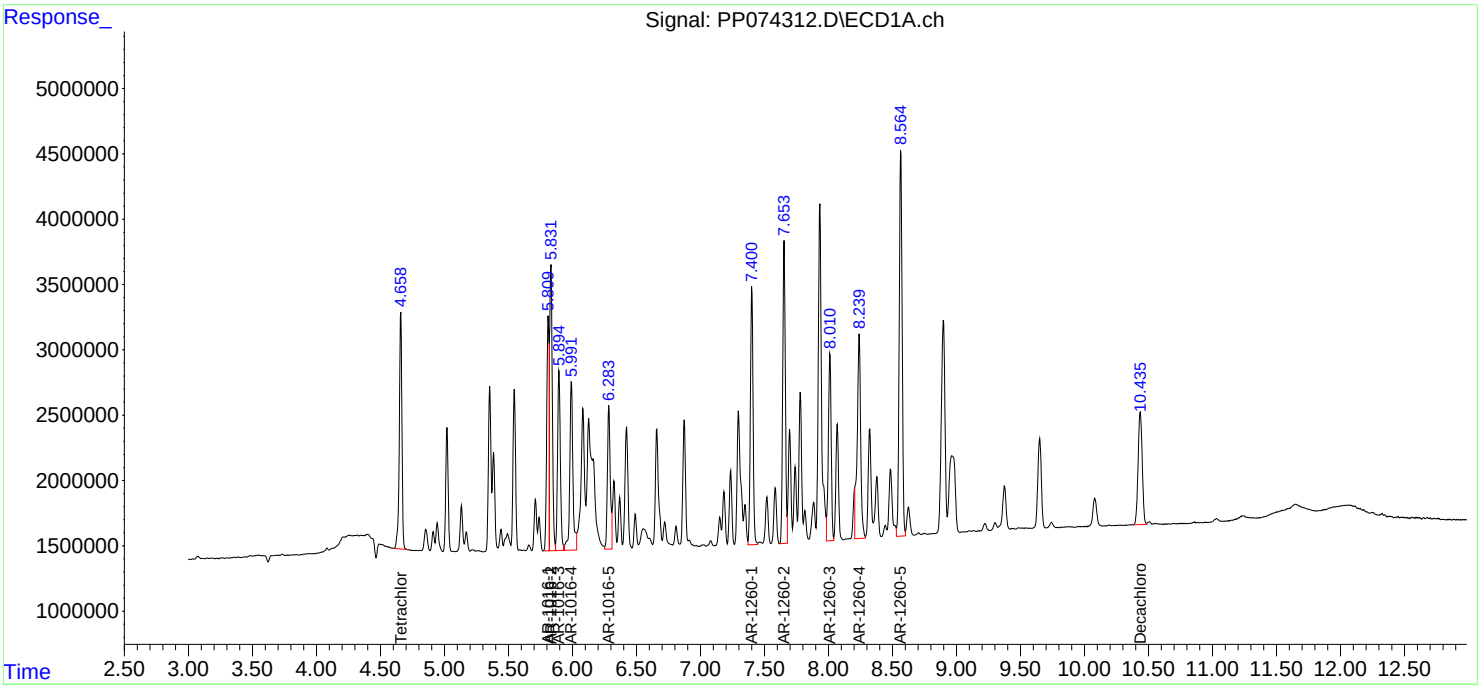
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081225\
Data File : PP074312.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 13:53
Operator : YP\AJ
Sample : Q2830-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

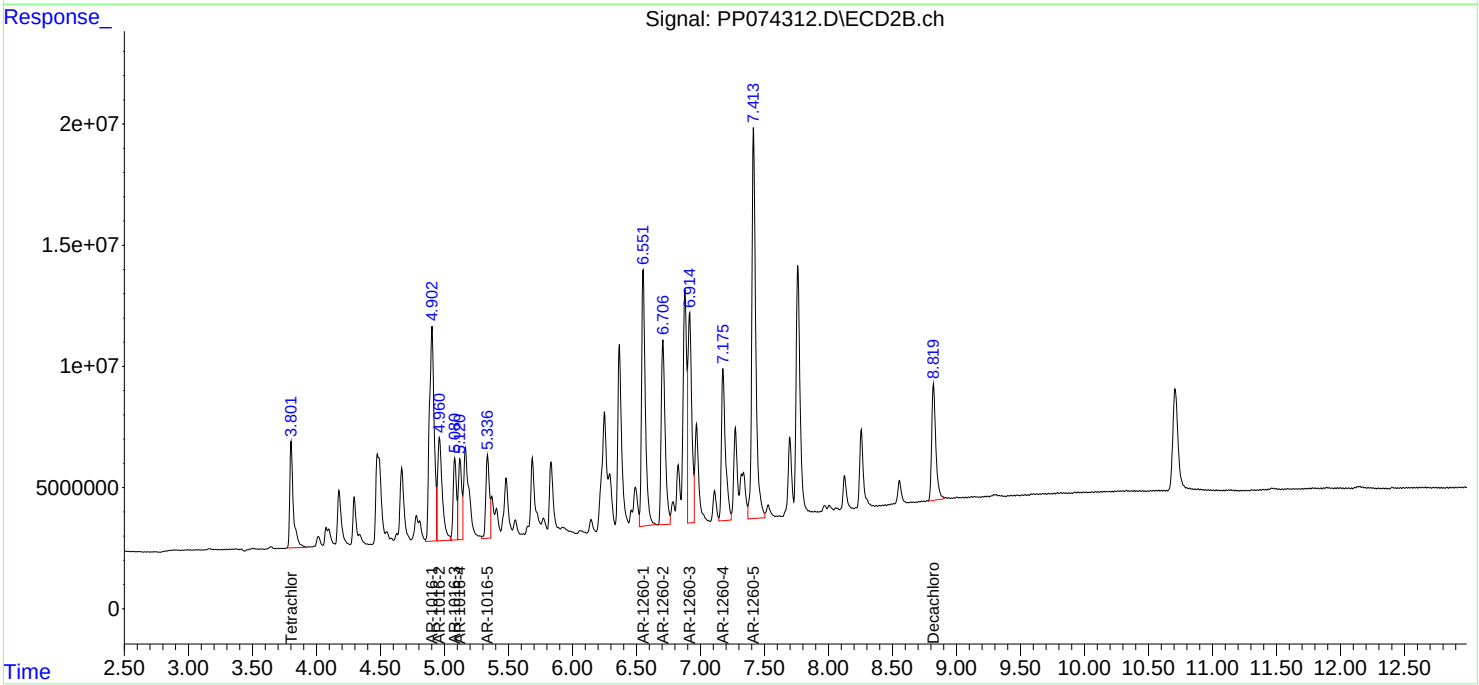
**Instrument :**
ECD_P
**ClientSampleId :**
BIN0009-DRIVEWAY-TP-SOUTH-EASTMSD

**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 |

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# 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 |

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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 |
|---|---|---|---|---|---|---|---|
| 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 |

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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 | 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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Fax : 908 789 8922

**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 |

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,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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Fax : 908 789 8922



**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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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 | |

| 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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**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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922



**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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Fax : 908 789 8922



**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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Fax : 908 789 8922

**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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Fax : 908 789 8922



**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)

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** |
| | | | 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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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: | 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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Fax : 908 789 8922



# 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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Fax : 908 789 8922



| | | | |
|---|---|---|---|
| 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 |

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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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Fax : 908 789 8922



# 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 |

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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**

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 | 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.

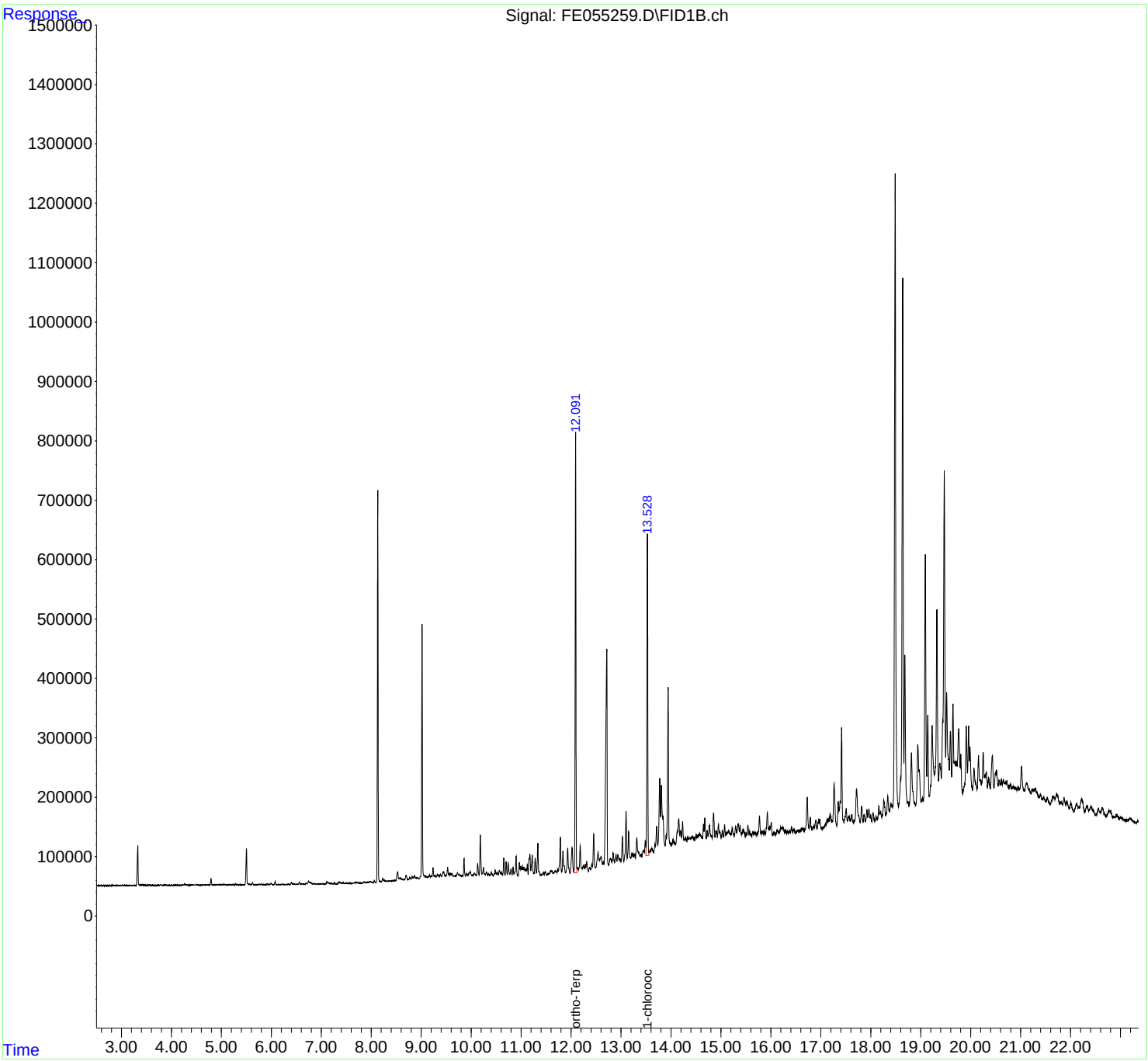
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055259.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 16:27
Operator : YP\AJ
Sample : Q2818-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

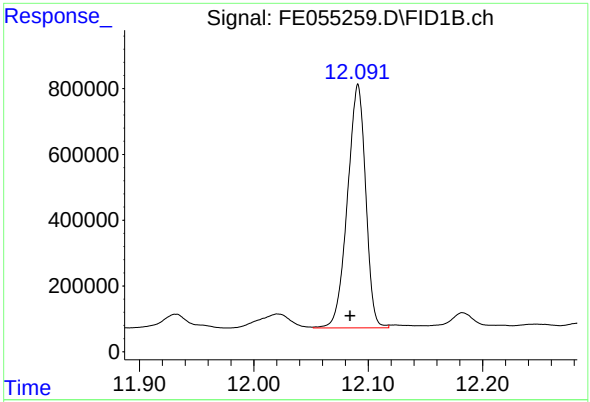
Integration File: autoint1.e
Quant Time: Aug 13 04:04:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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**
Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/13/2025





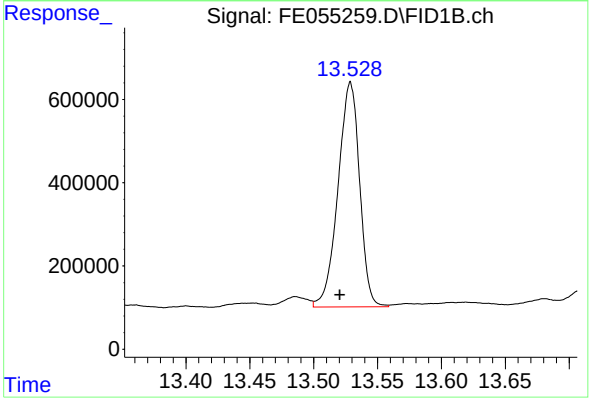

#9 ortho-Terphenyl (SURR)

R.T.: 12.091 min
Delta R.T.: 0.007 min
Response: 8181382
Conc: 57.29 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
B-2-5-1

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/13/2025




#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 :**
B-2-5-1

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 : 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% |

Page 1

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**Instrument :**
FID_E
**ClientSampleId :**
B-2-5-1

rteres

**Manual IntegrationsAPPROVED**

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Supervised By :mohammad ahmed 08/13/2025

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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 :**
B-2-5-1

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/13/2025

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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% |

9

**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

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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

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|---|---|---|---|---|---|---|---|---|
| 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 :**
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**Manual IntegrationsAPPROVED**

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Supervised By :mohammad ahmed 08/13/2025

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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**Instrument :**
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**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/13/2025

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**

Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/13/2025

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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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rteres

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|---|---|---|---|---|---|---|---|---|
| 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.

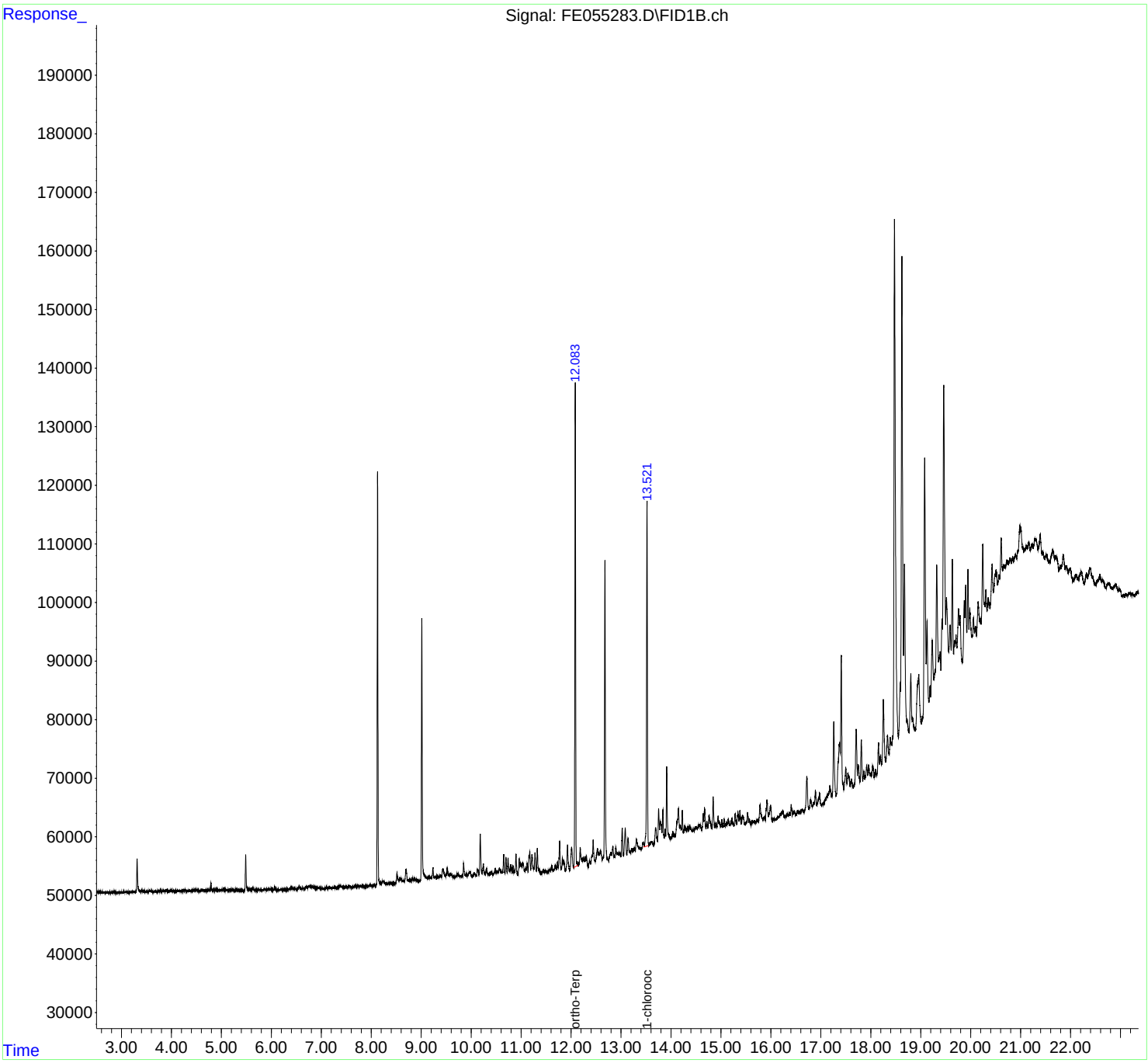
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081325AL\
Data File : FE055283.D
Signal(s) : FID1B.ch
Acq On : 13 Aug 2025 09:17
Operator : YP\AJ
Sample : Q2818-01DL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

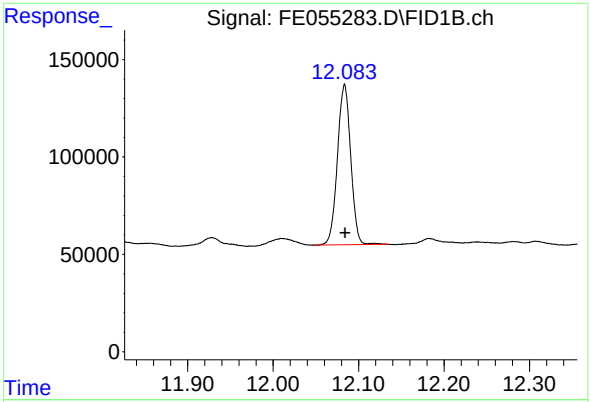
Integration File: sample.E
Quant Time: Aug 14 01:19:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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





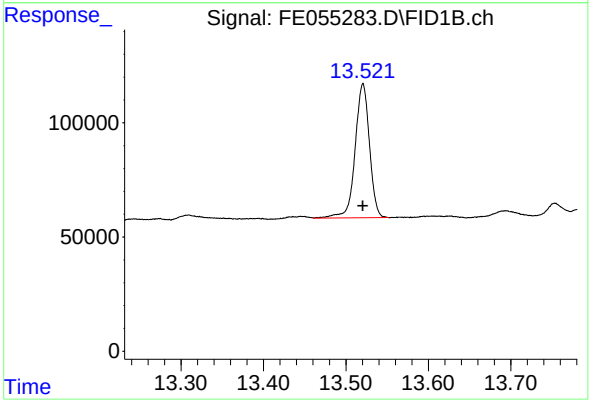

#9 ortho-Terphenyl (SURR)

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% |

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**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

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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% |

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**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

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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% |

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**Instrument :**
FID_E
**ClientSampleId :**
B-2-5-1DL

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/14/2025
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.

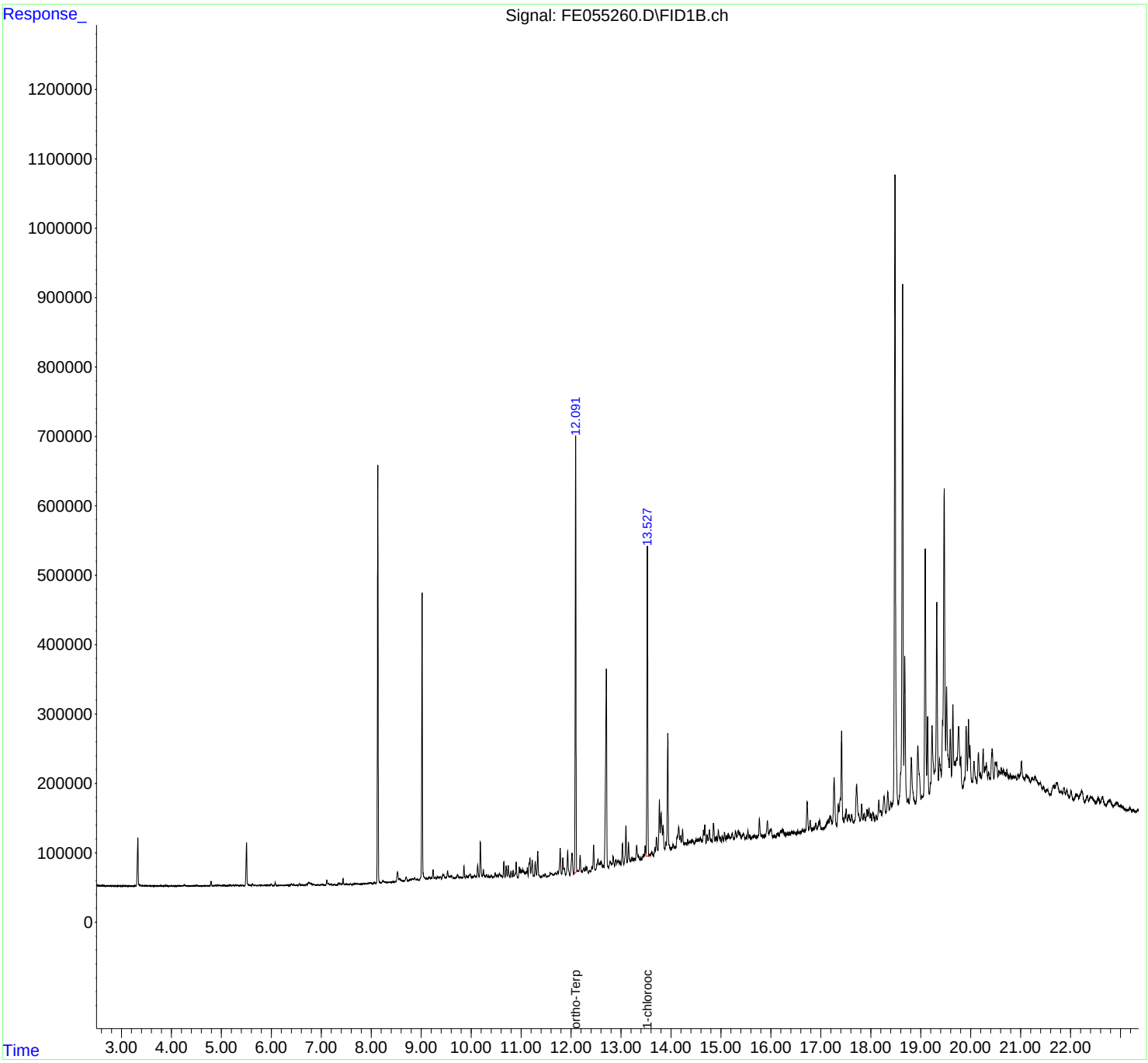
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055260.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 16:57
Operator : YP\AJ
Sample : Q2818-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

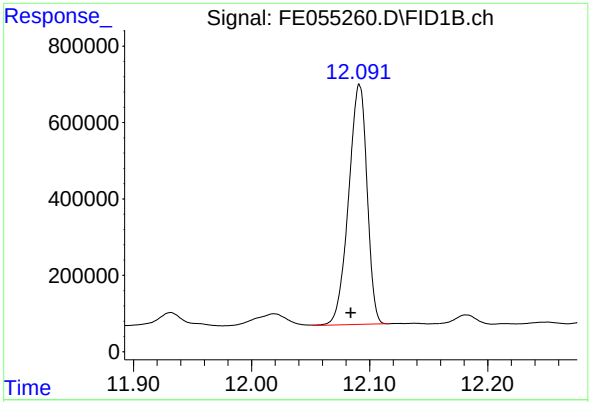
Integration File: autoint1.e
Quant Time: Aug 13 04:05:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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





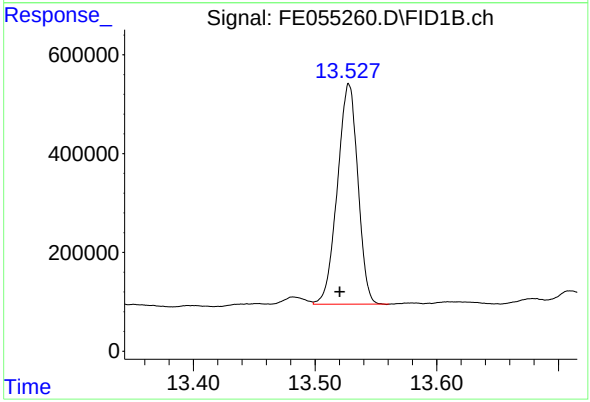

#9 ortho-Terphenyl (SURR)

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% |

Page 1

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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

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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% |

9

**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

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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% |

9

**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

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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% |

9

**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

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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% |

9

**Instrument :**
FID_E
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B-3-5-2

**Manual IntegrationsAPPROVED**

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A B C D E F G H I J

rteres

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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% |

9

**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% |

9

**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

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|---|---|---|---|---|---|---|---|---|---|
| 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% |

9

**Instrument :**
FID_E
**ClientSampleId :**
B-3-5-2

**Manual IntegrationsAPPROVED**

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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.

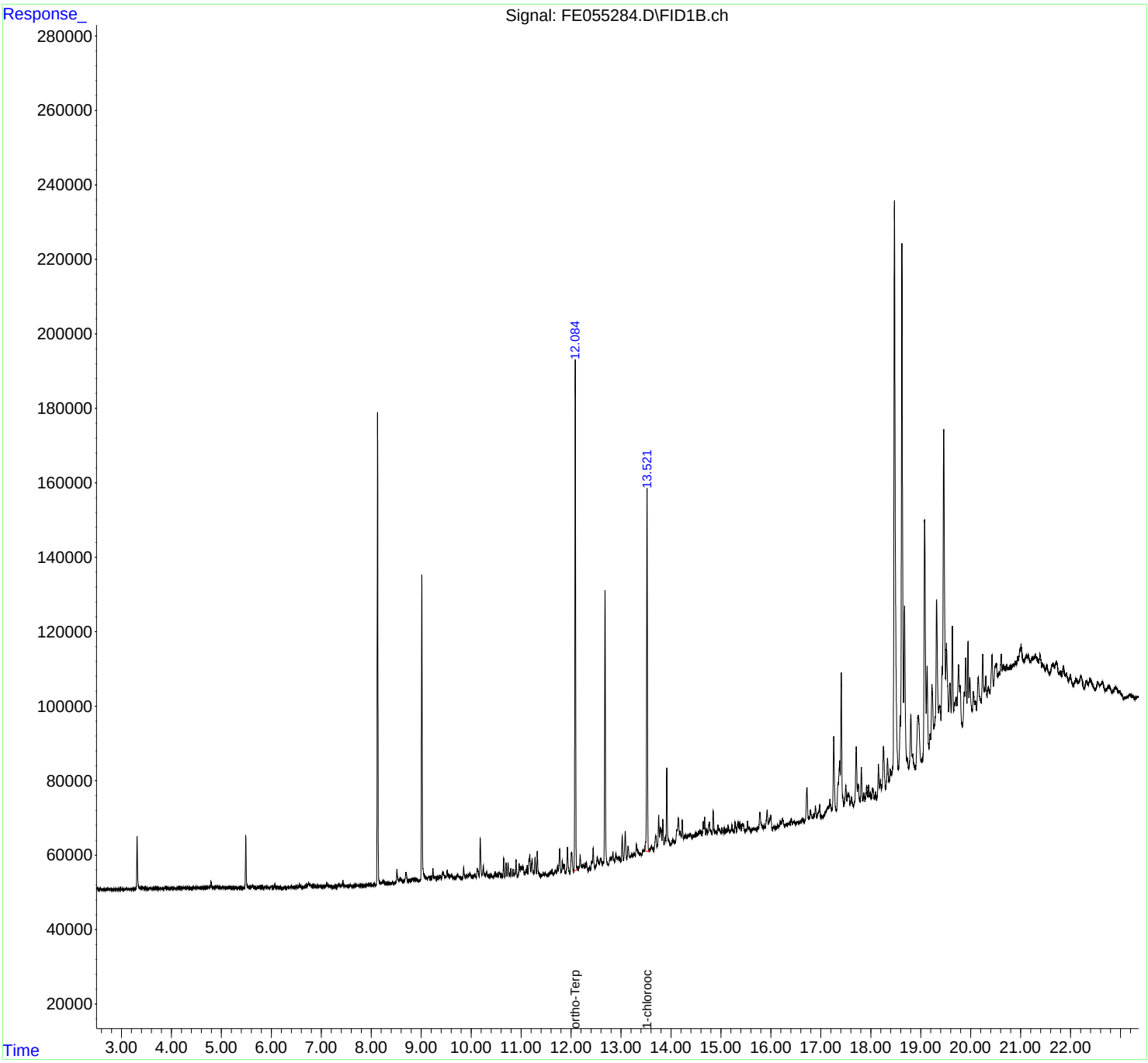
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081325AL\
Data File : FE055284.D
Signal(s) : FID1B.ch
Acq On : 13 Aug 2025 09:48
Operator : YP\AJ
Sample : Q2818-02DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

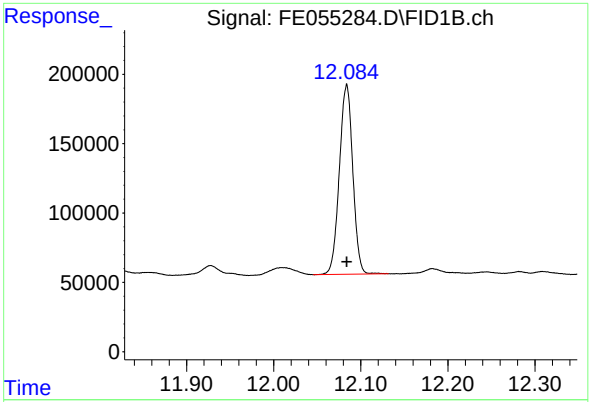
Integration File: sample.E
Quant Time: Aug 14 01:20:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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





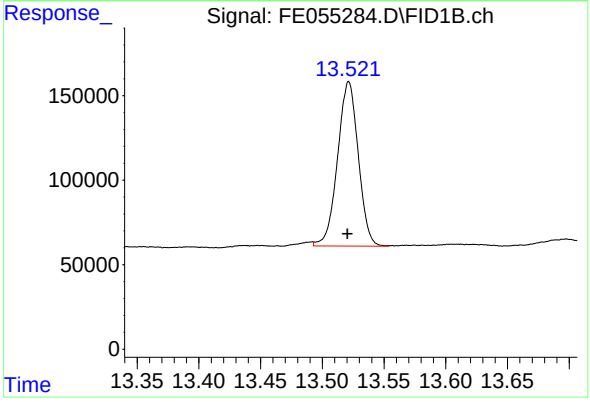

#9 ortho-Terphenyl (SURR)

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% |

Page 1

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**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

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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% |

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**Instrument :**
FID_E
**ClientSampleId :**
B-3-5-2DL

**Manual IntegrationsAPPROVED**

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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% |

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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

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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% |

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**Instrument :**
FID_E
**ClientSampleId :**
B-3-5-2DL

**Manual IntegrationsAPPROVED**

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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 | | | |

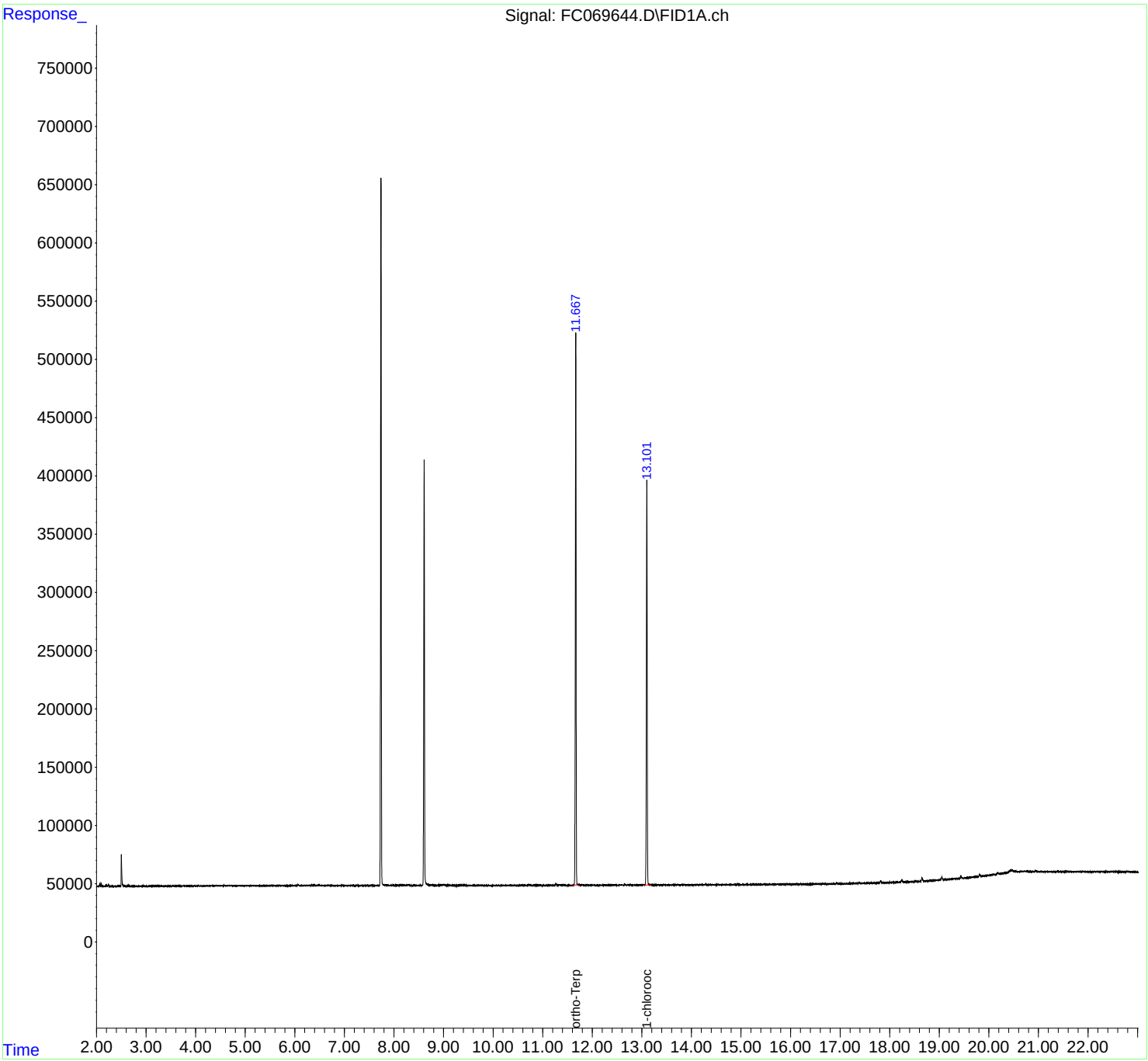
(f)=RT Delta > 1/2 Window (m)=manual int.

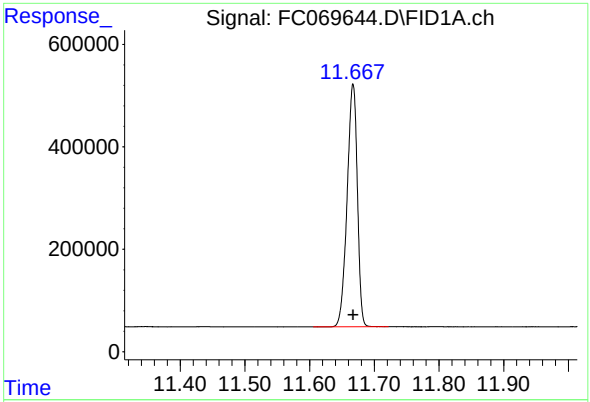
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081225AL\
Data File : FC069644.D
Signal(s) : FID1A.ch
Acq On : 12 Aug 2025 20:22
Operator : YP/AJ
Sample : PB169207BL
Misc :
ALS Vial : 18 Sample Multiplier: 1

**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

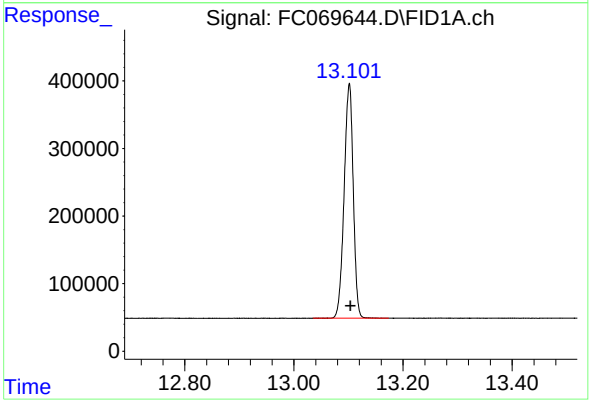





#9 ortho-Terphenyl (SURR)

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 |

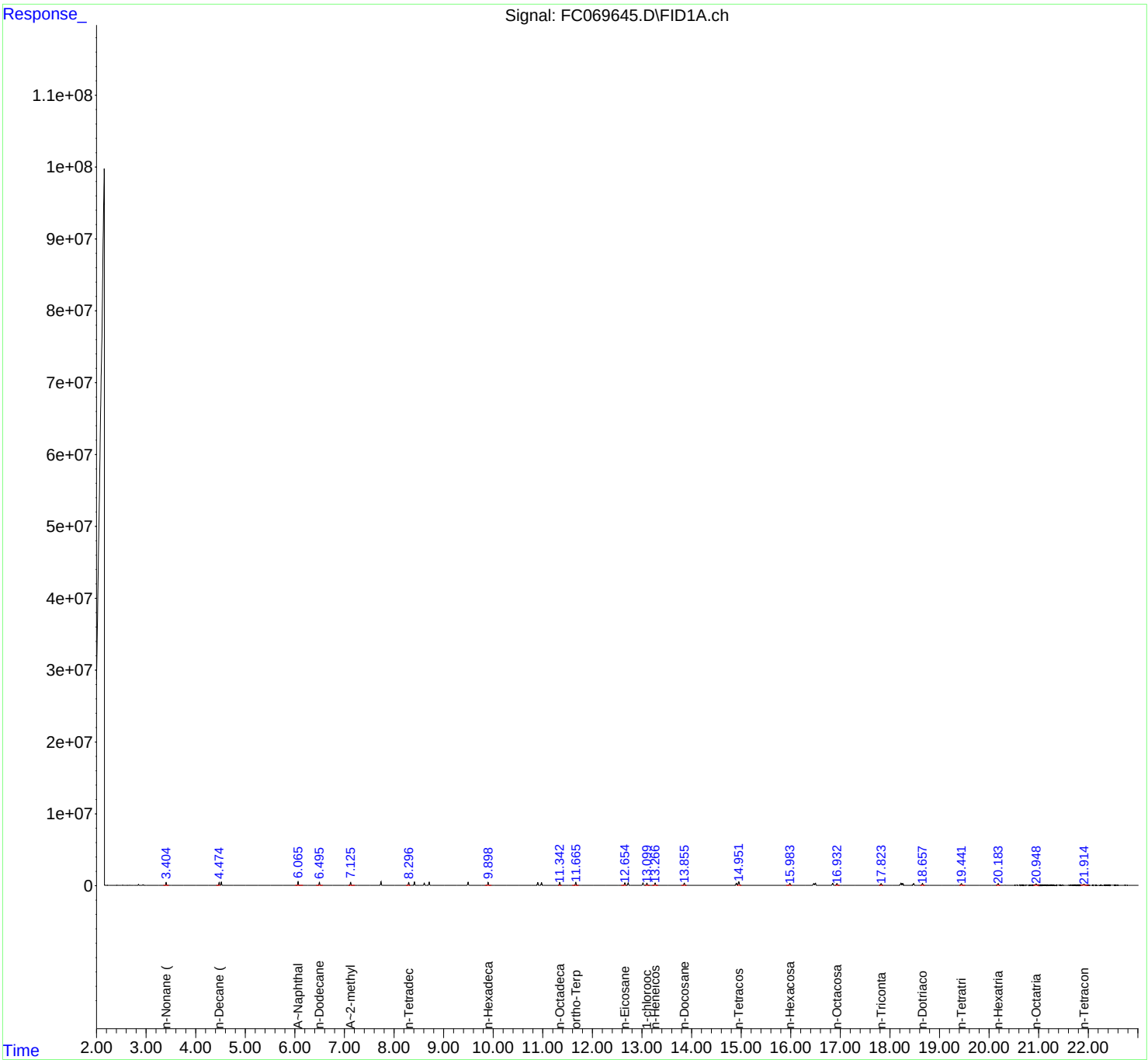
(f)=RT Delta > 1/2 Window (m)=manual int.

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% |

rteres

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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 |

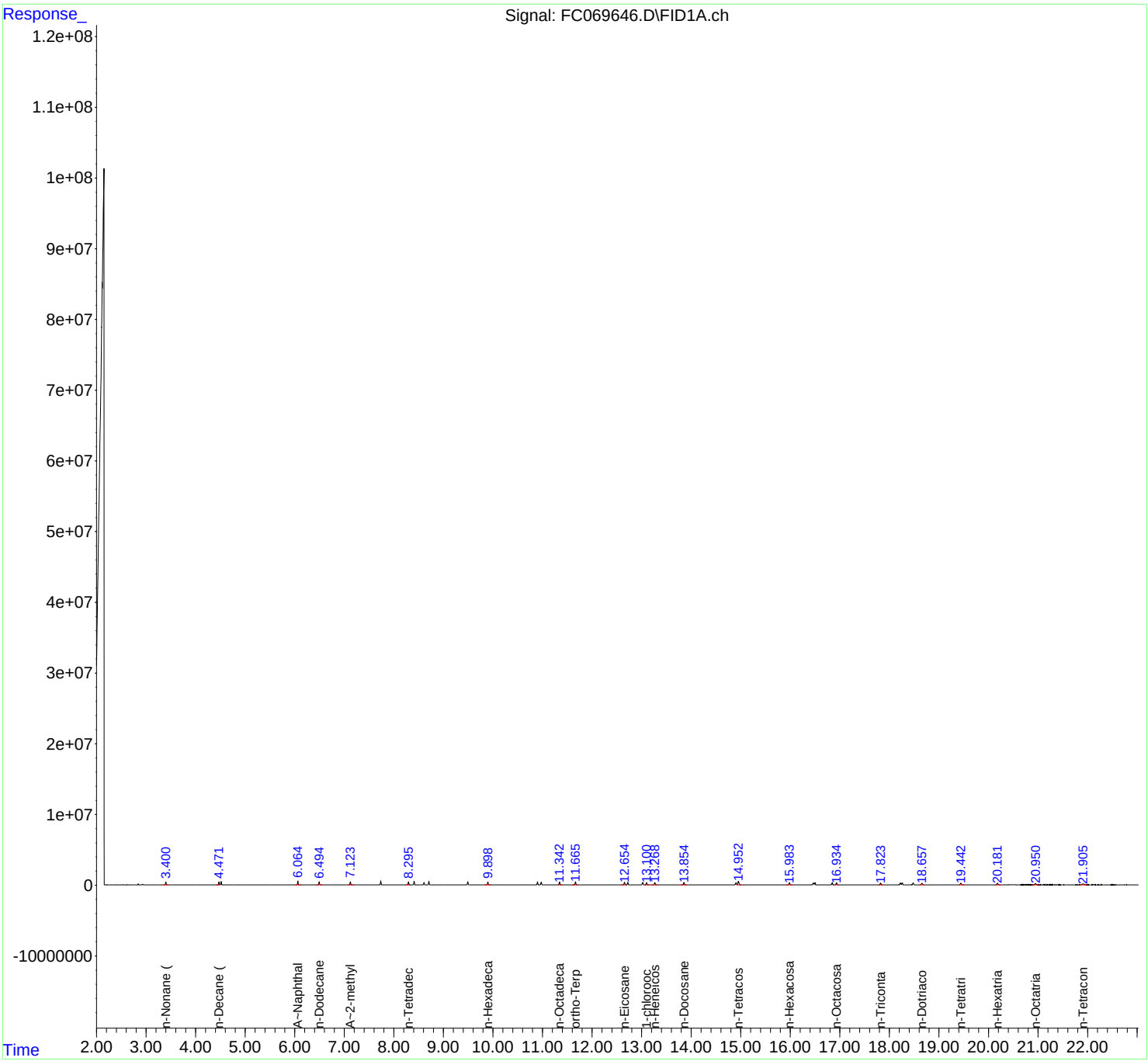
(f)=RT Delta > 1/2 Window (m)=manual int.

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 |

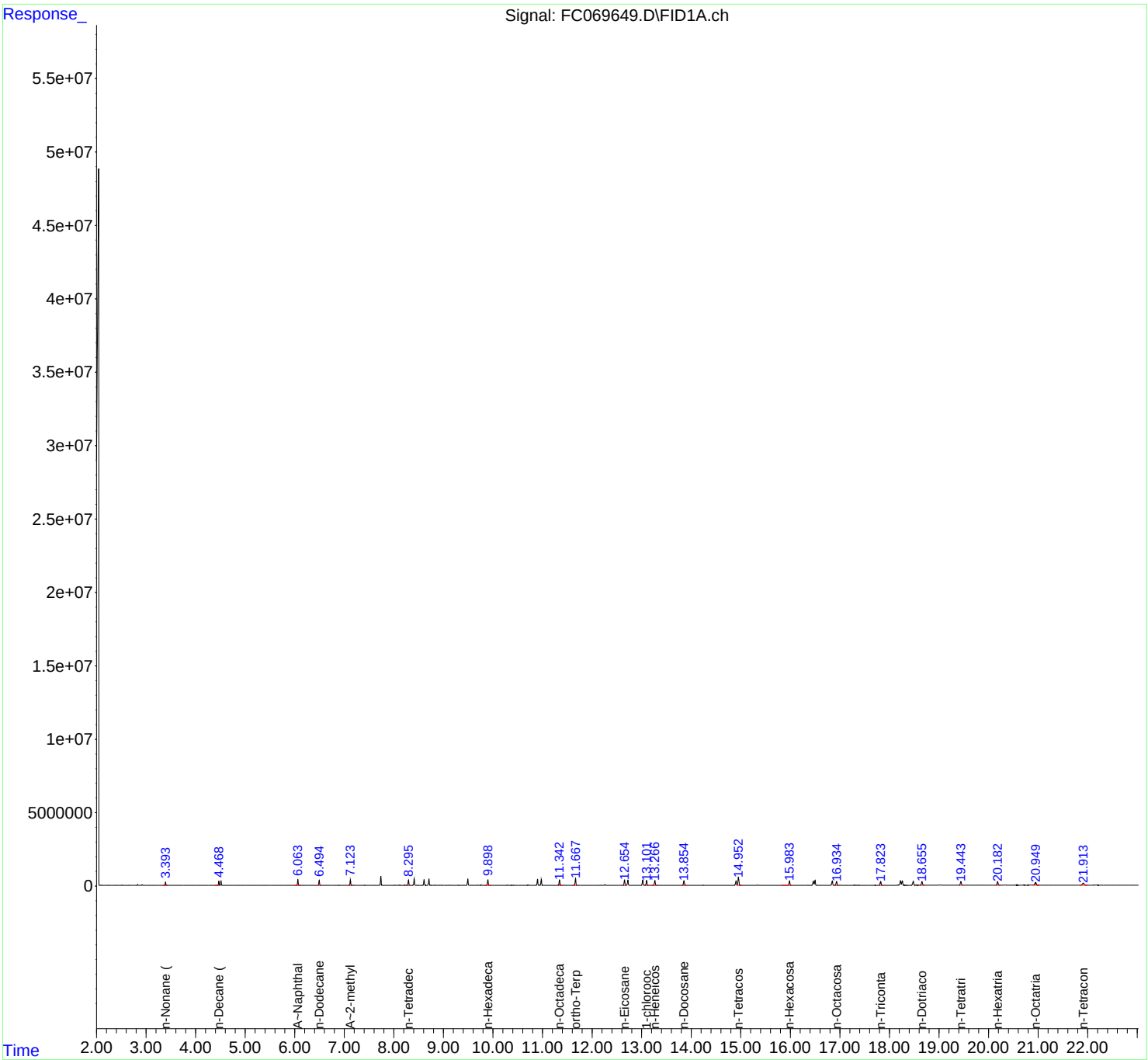
(f)=RT Delta > 1/2 Window (m)=manual int.

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% |

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|---|---|---|---|---|---|---|---|---|
| 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 |

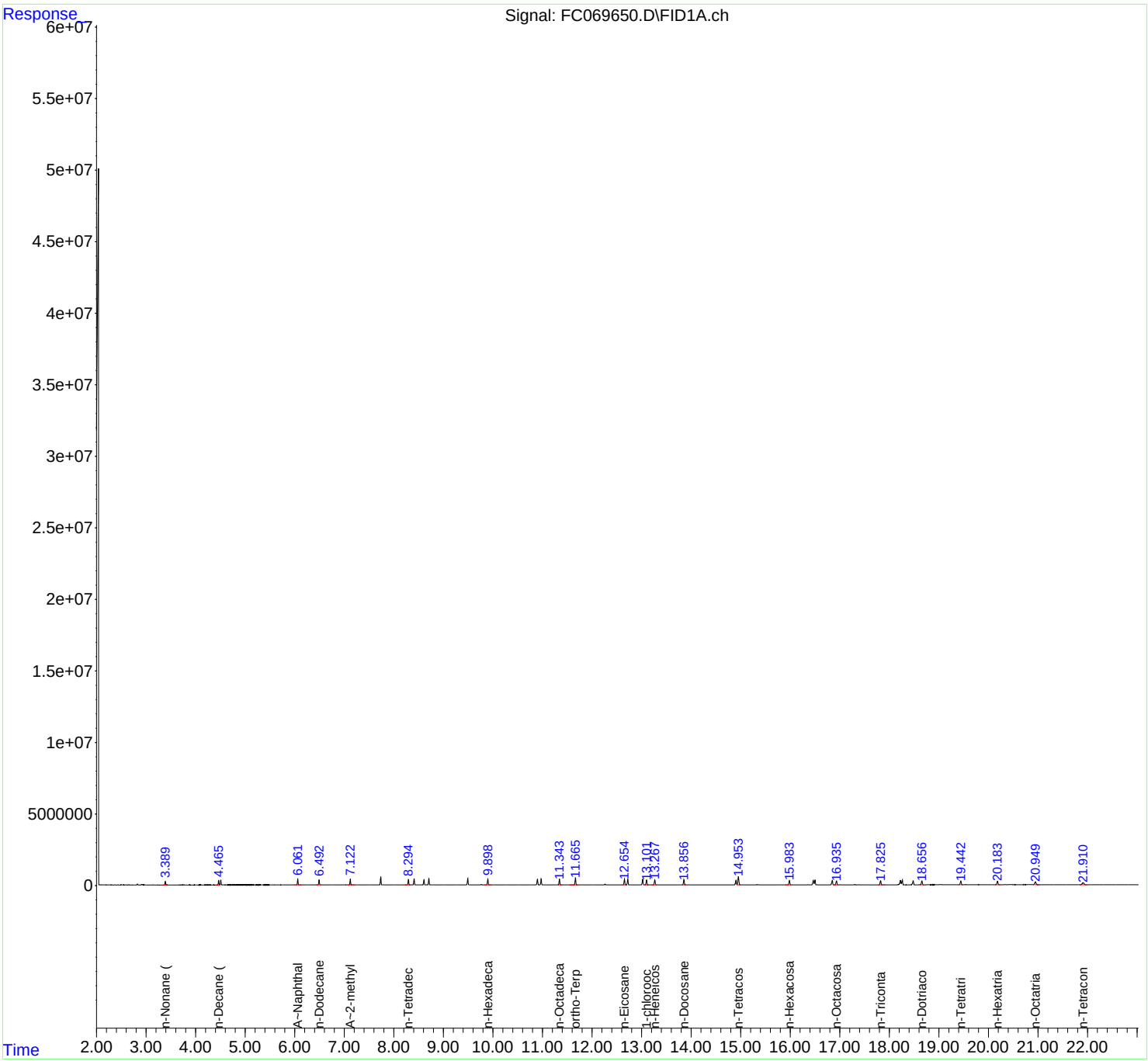
(f)=RT Delta > 1/2 Window (m)=manual int.

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



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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% |

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|---|---|---|---|---|---|---|---|---|
| 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% |

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|---|---|---|---|---|---|---|---|---|
| 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% |

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|---|---|---|---|---|---|---|---|---|
| 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% |

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|---|---|---|---|---|---|---|---|---|
| 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% |

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|---|---|---|---|---|---|---|---|---|
| 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% |

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|---|---|---|---|---|---|---|---|---|
| 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% |

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|---|---|---|---|---|---|---|---|---|
| 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

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# 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 |
|---|---|---|---|---|---|---|---|

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# 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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Fax : 908 789 8922



**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 |

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Fax : 908 789 8922



**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 |

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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 |

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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 |

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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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Fax : 908 789 8922



**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 | |

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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

## - 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 |
|---|---|---|---|---|---|---|---|---|---|
| **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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# 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 | 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 |

Alliance TECHNICAL GROUP
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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** | 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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# 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 |
|---|---|---|---|---|---|---|---|---|---|
| **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

## - 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 |
|---|---|---|---|---|---|---|---|---|---|
| **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

## - 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 |
|---|---|---|---|---|---|---|---|---|---|
| **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
## - 3b -
## 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

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

## - 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 |
|---|---|---|---|---|---|---|---|---|---|
| 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

## - 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 |
|---|---|---|---|---|---|---|---|---|---|
| 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 |

Alliance TECHNICAL GROUP
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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 |
|---|---|---|---|---|---|---|---|---|---|
| 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 |

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



# 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 |
|---|---|---|---|---|---|---|---|---|---|
| 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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Fax : 908 789 8922



# 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 |
|---|---|---|---|---|---|---|---|---|---|
| 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
## - 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 | 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
## - 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 |
|---|---|---|---|---|---|---|---|---|---|
| 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
## - 5a -
## 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
## - 5a -
## 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
## - 5a -
## 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
## - 5a -
## 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
## - 5b -
## 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

## - 6 -
## 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

## - 6 -
## 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

## - 6 -

## 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

## -9 -

## 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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# Metals

## -9 -

## 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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**metals**
**- 14 -**
**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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**metals**
**- 14 -**
**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

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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 |
|---|---|---|---|---|---|---|
| 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 |

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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 |
|---|---|---|---|---|---|---|
| Aluminum | 396.100 | 0.0000000 | 0.0000000 | 0.0000590 | 0.0000000 | 0.0396900 |
| Antimony | 206.833 | 0.0122000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 193.759 | -0.0029000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0004900 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 234.861 | 0.0000000 | 0.0000000 | 0.0000000 | -0.0000710 | -0.0003400 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 373.690 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000070 | 0.0002200 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | -0.0007860 |
| Copper | 224.700 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0006510 | 0.0020500 |
| Iron | 240.488 | 0.0000000 | 0.0000000 | 0.0000730 | 0.0000000 | -0.0015250 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001400 | -0.0008600 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.490 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.090 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0007460 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | -0.0000120 |
| Sodium | 589.592 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.856 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0017400 | -0.0100400 |
| Vanadium | 292.402 | -0.0025100 | 0.0000000 | 0.0000000 | 0.0000000 | -0.0072000 |
| Zinc | 213.800 | 0.0000000 | 0.0009010 | 0.0000000 | 0.0000000 | 0.0000000 |

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# Metals
## - 11 -
## ICP INTERELEMENT CORRECTION FACTORS

**Client:** 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
## - 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 |
|---|---|---|---|---|---|---|
| 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

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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(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
## - 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(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 |

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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 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 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 |

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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** | | | | | | | | |
| Q2818-04 | 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

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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: | Q2818-04 | 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

## - 6 -
## 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

## - 6 -
## 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

## -9 -

## 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**
**- 14 -**
**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
## - 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:** | **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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**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 |

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**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

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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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Fax : 908 789 8922



# 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

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# 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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# 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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# 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 |

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**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 |

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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 |

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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 | |

Alliance TECHNICAL GROUP

## 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 |

Alliance TECHNICAL GROUP

## 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 |

Alliance TECHNICAL GROUP

# 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 |

Alliance TECHNICAL GROUP

## 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